



# FEBRUARY 2011 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																	
20	21	22	23	24																																		
01	53	48	51	13	46	48	14	0	RA BR HZ			0.53	29.00	29.94	0.2	16	2.3	16	27	8	23	01																
02	53	26	40	2	25	32	25	0				0.00	29.10	30.17	5.5	26	7.1	29	25	18	25	02																
03	36	22	29*	-9	15	25	36	0				0.00	29.46	30.49	3.0	05	4.0	20	03	10	07	03																
04	38	34	36	-2	27	33	29	0	RA			0.06	29.23	30.22	1.3	05	1.4	10	07	7	07	04																
05	47	36	42	4	32	36	23	0	RA BR UP			0.06	28.85	29.86	3.7	23	4.9	29	27	20	20	05																
06	49	34	42	3	28	35	23	0				0.00	29.03	30.05	1.8	21	2.5	13	21	9	20	06																
07	52	30	41	2	32	36	24	0	RA BR			0.20	28.92	29.91	0.7	30	2.2	23	32	15	33	07																
08	38	24	31	-8	19	27	34	0	SN			0.01	29.21	30.27	1.9	33	3.7	18	27	13	28	08																
09	40	23	32	-7	18	26	33	0	SN BR			0.01	29.25	30.27	1.7	05	2.7	17	13	12	13	09																
10	39	22	31	-8	15	24	34	0				0.00	29.18	30.22	1.7	05	3.0	16	07	12	07	10																
11	45	17*	31	-9	9	24	34	0				0.00	29.20	30.24	1.1	24	1.9	15	28	8	28	11																
12	52	25	39	-1	17	30	26	0				0.00	29.28	30.31	3.8	23	4.6	20	28	12	26	12																
13	62	25	44	4	24	36	21	0				0.00	29.23	30.22	3.4	22	4.4	24	21	16	21	13																
14	66	32	49	9	26	39	16	0				0.00	29.12	30.13	3.3	27	4.5	25	29	16	25	14																
15	58	31	45	4	27	37	20	0				0.00	29.33	30.33	1.1	05	1.6	16	07	9	05	15																
16	62	33	48	7	32	40	17	0				0.00	29.29	30.28	1.3	25	1.8	14	22	8	25	16																
17	71*	32	52	11	38	45	13	0				0.00	29.19	30.17	4.1	22	4.8	28	22	18	21	17																
18	65	51	58	17	46	52	7	0	RA BR			0.11	29.18	30.16	1.4	24	2.7	16	34	12	32	18																
19	60	37	49	7	27	41	16	0	FG+ FG BR			0.00	29.31	30.30	2.2	06	2.5	15	08	12	06	19																
20	67	37	52	10	26	41	13	0				0.00	29.16	30.11	2.4	20	4.4	22	21	15	20	20																
21	70	51	61*	19	44	52	4	0	RA			0.05	28.86	29.81	5.9	23	6.8	32	20	21	21	21																
22	60	37	49	7	38	45	16	0	RA			0.01	29.02	30.03	1.5	27	2.7	20	21	10	28	22																
23	61	30	46	3	30	39	19	0	BR			0.00	29.23	30.22	0.5	05	0.8	9	25	6	25	23																
24	60	47	54	11	47	48	11	0	RA BR HZ			1.11	29.05	29.99	0.3	16	0.9	20	22	10	19	24																
25	65	37	51	8	40	45	14	0	RA BR			0.75	28.89	29.94	4.2	26	8.0	33*	27	22*	27	25																
26	62	30	46	3	33	40	19	0				0.00	29.10	30.08	1.7	27	2.8	17	26	12	26	26																
27	60	40	50	6	48	50	15	0	RA FG+ FG BR			0.54	29.00	29.97	0.2	19	0.7	9	26	6	26	27																
28	67	46	57	13	54	56	8	0	RA FG BR			2.26	28.86	29.86	2.4	22	5.8	29	21	18	21	28																
										55.6		33.5		44.6		☼	30.8		38.6		20.1		0.0		< MONTHLY AVERAGES   TOTALS >				5.70	29.13	30.11	1.2	24	3.4	< MONTHLY AVERAGES			
										4.0		4.0		4.0			<-----DEPARTURE FROM NORMAL----->										1.20	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
<b>DEGREE DAYS</b>										GREATEST 24-HR PRECIPITATION : 2.26 DATE : 28										SEA LEVEL PRESSURE																		
MONTHLY										GREATEST 24-HR SNOWFALL :										DATE : 03 0953																		
TOTAL DEPARTURE										GREATEST SNOW DEPTH :										DATE : 25 0053																		
SEASON TO DATE										NUMBER OF ->										MAXIMUM TEMP >= 90 : 0																		
TOTAL DEPARTURE										THUNDERSTORMS :										MINIMUM TEMP <= 32 : 14																		
HEATING : 564 -132 3049 -94										MAXIMUM TEMP <= 32 : 0										MINIMUM TEMP <= 0 : 0																		
COOLING : 0 0 0 0										PRECIPITATION >= 0.01 INCH : 13										PRECIPITATION >= 0.10 INCH : 7																		
										SNOWFALL >= 1.0 INCH :																												

FEBRUARY 2011  
OAK RIDGE, TN

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)  
FEBRUARY 2011

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	T	T			T					01			T	T	0.04	0.08	0.13	0.09	0.04	0.15	T	01	0.53	0.53	
02													02												02	0.00	0.00	
03													03												03	0.00	0.00	
04												0.01	04	0.02	0.01	0.01	0.01	T	T		T			04	0.06	0.06		
05		T		0.01	0.01	T	0.01	0.02	0.01	T	T		05											05	0.06	0.06		
06													06											06	0.00	0.00		
07													07			0.01	0.04	0.01	0.05	0.09	T			07	0.20	0.20		
08	T	T	0.01	T									08											08	0.01	0.01		
09													09							T	0.01	T	T	09	0.01	0.01		
10													10											10	0.00	0.00		
11													11											11	0.00	0.00		
12													12											12	0.00	0.00		
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											T		18							T	0.09	T	0.02	T	18	0.11	0.11	
19													19											19	0.00	0.00		
20													20											20	0.00	0.00		
21													21										0.01	0.04	21	0.05	0.05	
22	0.01	T	T										22											22	0.01	0.01		
23													23											23	0.00	0.00		
24		T	0.05	T	0.11	0.12	0.35	0.03	0.03	0.03	0.02	0.07	24	0.11	0.11	0.07	0.01							24	1.11	1.11		
25	0.01	0.31	0.26	0.17	T	T				T			25											25	0.75	0.75		
26													26											26	0.00	0.00		
27										T	0.19	0.15	T	27	0.02	0.09	0.09	T	T				27	0.54	0.54			
28	T	T						T	T	0.05	0.01	0.01	28	0.72	0.88	0.54	0.04					0.01	28	2.26	2.26			

\* 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)	0.23	0.33	0.44	0.54	0.66	0.78	0.98	1.26	1.46	1.86	2.05	2.14
Ending Date	25	28	28	28	28	28	28	28	28	28	28	28
Ending Time (Hr/Min)	0159	1402	1406	1236	1419	1432	1419	1418	1358	1417	1446	1515

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 2011

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							1.50	10.00	
02							10.00	10.00	
03							10.00	10.00	
04							8.00	10.00	
05							1.75	10.00	
06							10.00	10.00	
07							3.00	10.00	
08							5.00	10.00	
09							1.25	10.00	
10							10.00	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							7.00	10.00	
18							7.00	10.00	
19							0.25	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							6.00	10.00	
24							1.00	10.00	
25							1.25	10.00	
26							7.00	10.00	
27							0.50	10.00	
28							0.50	10.00	
MONTHLY AVGS							6.46	10.00	
<b>SUNSHINE (Minutes)</b>									
Total : 0					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			
1			9			17			

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

FEBRUARY 2011 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				
																												Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)	DRY BULB
<b>SUNRISE: 0738 FEB 01</b>						<b>SUNSET: 1804</b>						<b>SUNRISE: 0733 FEB 07</b>						<b>SUNSET: 1810</b>													
01	OVC	085			10.00			53	44	48	72	6	VR	29.12	30.09	01	FEW	085			10.00			35	30	33	82	0	00	29.06	30.06
04	OVC	039			10.00			51	45	48	80	3	VR	29.12	30.09	04	CLR	NC			10.00			30	27	29	89	0	00	29.05	30.05
07	OVC	030			8.00			49	45	47	86	0	00	29.13	30.10	07	BKN	110			8.00			30	28	29	92	0	00	29.01	30.01
10	OVC	015			6.00	BR		49	45	47	86	5	VR	29.12	30.09	10	BKN	120			10.00			36	31	34	82	0	00	28.97	29.96
13	OVC	029			9.00			51	43	47	74	5	06	28.98	29.96	13	CLR	NC			10.00			46	30	39	54	0	00	28.86	29.85
16	BKN	100			10.00			53	44	48	72	0	00	28.87	29.85	16	OVC	050			10.00			51	31	42	46	0	00	28.73	29.72
19	OVC	044			2.50	-RA BR		49	48	48	96	0	00	28.77	29.75	19	OVC	030			10.00			44	41	43	89	0	00	28.77	29.76
22	OVC	021			10.00			52	50	51	93	6	20	28.74	29.71	22	OVC	085			10.00			39	30	35	70	10	33	28.89	29.89
<b>SUNRISE: 0737 FEB 02</b>						<b>SUNSET: 1805</b>						<b>SUNRISE: 0732 FEB 08</b>						<b>SUNSET: 1811</b>													
01	OVC	009			10.00			52	49	50	90	3	25	28.77	29.74	01	OVC	027			10.00			36	26	32	67	6	32	29.04	30.04
04	BKN	049			10.00			52	48	50	86	9	23	28.82	29.79	04	OVC	030			10.00			33	23	29	67	0	00	29.10	30.10
07	OVC	035			10.00			40	31	36	70	14	25	29.00	29.98	07	OVC	031			10.00			31	21	28	66	0	00	29.17	30.18
10	OVC	031			10.00			32	21	28	64	9	25	29.15	30.16	10	FEW	031			10.00			31	17	26	56	3	VR	29.26	30.28
13	SCT	040			10.00			33	16	27	50	11	26	29.23	30.23	13	BKN	043			10.00			37	19	31	48	7	25	29.30	30.31
16	CLR	NC			10.00			35	16	29	46	6	VR	29.29	30.29	16	CLR	NC			10.00			35	15	28	44	6	33	29.31	30.33
19	CLR	NC			10.00			30	15	25	54	5	32	29.39	30.41	19	CLR	NC			10.00			30	14	25	51	0	00	29.34	30.37
22	CLR	NC			10.00			28	14	24	56	6	35	29.45	30.48	22	CLR	NC			10.00			26	13	22	58	6	36	29.34	30.38
<b>SUNRISE: 0736 FEB 03</b>						<b>SUNSET: 1806</b>						<b>SUNRISE: 0731 FEB 09</b>						<b>SUNSET: 1812</b>													
01	CLR	NC			10.00			25	13	21	60	3	01	29.46	30.50	01	CLR	NC			10.00			24	15	21	68	5	05	29.31	30.34
04	CLR	NC			10.00			23	11	20	60	6	03	29.46	30.50	04	CLR	NC			10.00			25	15	22	66	0	00	29.35	30.38
07	CLR	NC			10.00			23	12	20	63	6	VR	29.49	30.53	07	CLR	NC			10.00			25	15	22	66	0	00	29.32	30.36
10	CLR	NC			10.00			27	15	23	61	3	VR	29.52	30.56	10	CLR	NC			10.00			29	16	25	58	0	00	29.33	30.36
13	CLR	NC			10.00			33	16	27	50	5	VR	29.47	30.50	13	FEW	110			10.00			36	16	29	44	3	VR	29.21	30.24
16	CLR	NC			10.00			35	16	29	46	8	07	29.42	30.45	16	OVC	100			10.00			39	15	31	38	3	27	29.14	30.17
19	BKN	110			10.00			35	18	29	50	0	00	29.43	30.47	19	OVC	075			10.00			34	20	29	57	3	07	29.17	30.21
22	BKN	110			10.00			34	21	29	59	0	00	29.41	30.44	22	OVC	037			3.00	-SN BR		30	27	29	89	6	VR	29.15	30.18
<b>SUNRISE: 0735 FEB 04</b>						<b>SUNSET: 1807</b>						<b>SUNRISE: 0730 FEB 10</b>						<b>SUNSET: 1813</b>													
01	OVC	060			10.00			34	20	29	57	3	04	29.36	30.39	01	OVC	020			10.00			28	23	26	82	0	00	29.13	30.16
04	OVC	048			10.00			34	20	29	57	0	00	29.35	30.37	04	OVC	047			10.00			27	19	24	72	7	VR	29.13	30.15
07	OVC	039			10.00			35	21	30	57	5	05	29.28	30.30	07	BKN	019			10.00			23	15	21	71	5	04	29.19	30.23
10	OVC	030			10.00			36	21	31	55	3	05	29.28	30.30	10	FEW	020			10.00			25	15	22	66	6	VR	29.26	30.29
13	OVC	095			10.00	-RA		37	30	34	76	0	00	29.22	30.24	13	CLR	NC			10.00			32	17	27	54	5	VR	29.21	30.24
16	OVC	090			8.00	-RA		37	33	35	86	0	00	29.14	30.16	16	CLR	NC			10.00			38	7	28	27	3	34	29.17	30.19
19	OVC	016			10.00			37	33	35	86	5	04	29.07	30.08	19	CLR	NC			10.00			32	10	25	40	0	00	29.20	30.24
22	OVC	033			10.00	-RA		37	33	35	86	0	00	29.01	30.02	22	CLR	NC			10.00			26	15	23	63	0	00	29.20	30.24
<b>SUNRISE: 0734 FEB 05</b>						<b>SUNSET: 1808</b>						<b>SUNRISE: 0729 FEB 11</b>						<b>SUNSET: 1814</b>													
01	OVC	032			9.00			37	34	36	89	0	00	28.91	29.91	01	CLR	NC			10.00			21	14	19	74	0	00	29.18	30.22
04	OVC	025			5.00	-RA BR		38	35	37	89	0	00	28.83	29.83	04	CLR	NC			10.00			19	14	18	81	0	00	29.20	30.23
07	OVC	009			1.75	BR		37	36	37	96	5	23	28.77	29.77	07	FEW	050			10.00			18	13	17	81	0	00	29.22	30.27
10	OVC	008			10.00			42	39	41	89	5	VR	28.78	29.77	10	BKN	060			10.00			26	17	23	69	0	00	29.26	30.29
13	BKN	039			10.00			45	30	39	56	13	25	28.81	29.80	13	CLR	NC			10.00			38	11	29	33	3	VR	29.22	30.25
16	OVC	031			10.00			38	26	33	62	9	23	28.87	29.87	16	CLR	NC			10.00			44	1	31	16	6	18	29.15	30.18
19	OVC	029			10.00			37	27	33	67	6	22	28.93	29.94	19	CLR	NC			10.00			40	-4	28	15	6	27	29.18	30.22
22	OVC	028			10.00			36	27	33	70	3	VR	28.98	29.97	22	CLR	NC			10.00			32	5	24	32	3	22	29.22	30.26
<b>SUNRISE: 0733 FEB 06</b>						<b>SUNSET: 1809</b>						<b>SUNRISE: 0728 FEB 12</b>						<b>SUNSET: 1815</b>													
01	OVC	022			10.00			36	27	33	70	0	00	29.00	29.99	01	CLR	NC			10.00			28	8	22	43	3	23	29.24	30.27
04	OVC	020			10.00			35	27	32	73	3	VR	29.00	30.01	04	CLR	NC			10.00			28	9	23	45	5	23	29.24	30.26
07	OVC	020			10.00			35	27	32	73	0	00	29.04	30.05	07	CLR	NC			10.00			27	9	22	47	3	22	29.27	30.29
10	OVC	018			10.00			35	27	32	73	6	28	29.10	30.11	10	CLR	NC			10.00			37	15	30	41	8	22	29.33	30.35
13	CLR	NC			10.00			43	27	37	53	3	15	29.07	30.07	13	CLR	NC			10.00			48	22	38	36	6	VR	29.31	30.33
16	CLR	NC			10.00			48	28	40	46	8	20	29.04	30.03	16	CLR	NC			10.00			51	20	39	29	8	26	29.26	30.27
19	CLR	NC			10.00			45	29	38	54	0	00	29.05	30.05	19	CLR	NC			10.00			46	22	37	39	6	27	29.31	30.33
22	SCT	095			10.00			42	31	37	65	0	00	29.08	30.08	22	CLR	NC			10.00			37	24	32	59	0	00	29.33	30.35

# OBSERVATIONS AT 3-HOURLY INTERVALS

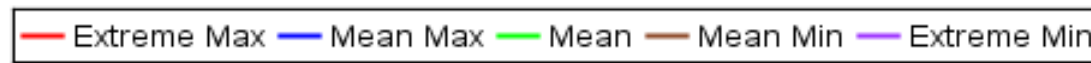
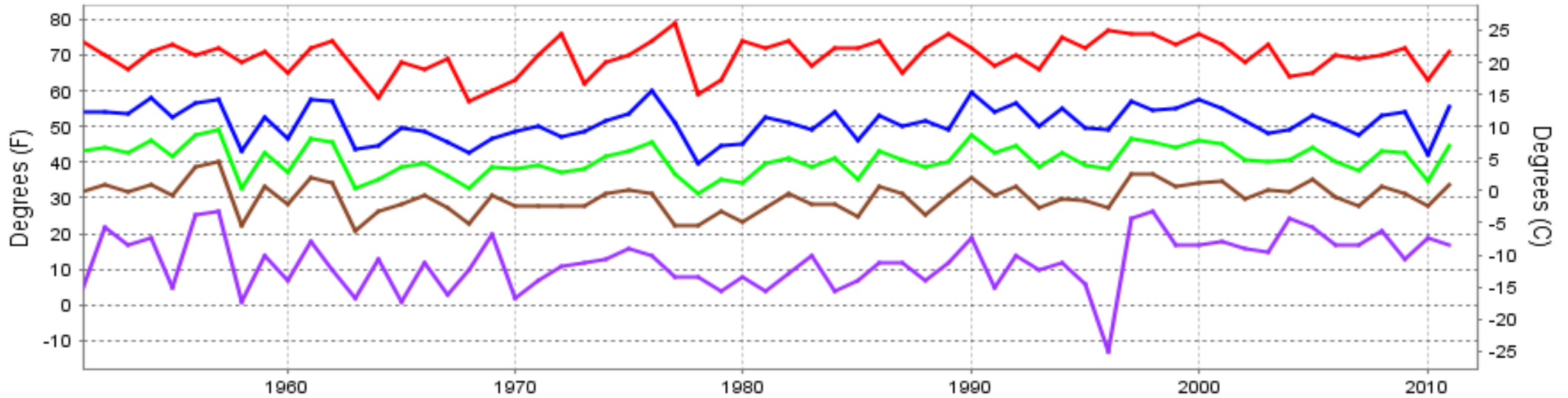
# OAK RIDGE, TN

FEBRUARY 2011 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)	Eff Cld Amt Oktas
SUNRISE: 0727 FEB 13						SUNSET: 1816						SUNRISE: 0720 FEB 19						SUNSET: 1822										
01	CLR	NC			10.00	31	24	28	75	0	00	29.30	30.31	01	OVC	075			10.00	BR	51	49	50	93	0	00	29.28	30.26
04	CLR	NC			10.00	29	23	27	78	3	25	29.29	30.30	04	BKN	085			2.50	BR	44	43	44	96	0	00	29.28	30.26
07	CLR	NC			10.00	25	21	24	85	0	00	29.29	30.31	07	CLR	NC			10.00		40	32	37	73	5	05	29.32	30.31
10	CLR	NC			10.00	41	26	35	55	6	26	29.30	30.31	10	OVC	100			10.00		49	22	38	35	10	06	29.38	30.36
13	CLR	NC			10.00	56	26	43	32	6	VR	29.21	30.22	13	BKN	110			10.00		56	19	41	23	6	VR	29.36	30.34
16	CLR	NC			10.00	62	26	46	25	11	20	29.13	30.12	16	SCT	110			10.00		59	15	42	18	0	00	29.29	30.27
19	CLR	NC			10.00	57	24	43	28	5	VR	29.13	30.13	19	OVC	085			10.00		56	19	41	23	0	00	29.30	30.29
22	CLR	NC			10.00	50	24	39	36	3	25	29.13	30.12	22	FEW	080			10.00		51	24	40	35	0	00	29.30	30.29
SUNRISE: 0725 FEB 14						SUNSET: 1817						SUNRISE: 0719 FEB 20						SUNSET: 1823										
01	CLR	NC			10.00	40	26	35	57	0	00	29.13	30.12	01	CLR	NC			10.00		43	25	36	49	0	00	29.27	30.26
04	CLR	NC			10.00	34	24	30	67	0	00	29.10	30.09	04	CLR	NC			10.00		39	25	34	57	0	00	29.24	30.23
07	CLR	NC			10.00	36	24	32	62	0	00	29.09	30.08	07	OVC	090			10.00		39	25	34	57	3	05	29.23	30.22
10	CLR	NC			10.00	51	26	41	38	5	VR	29.10	30.09	10	OVC	055			10.00		45	24	37	44	0	00	29.24	30.23
13	CLR	NC			10.00	64	24	46	22	8	24	29.09	30.06	13	OVC	095			10.00		57	19	42	23	3	VR	29.16	30.14
16	CLR	NC			10.00	66	19	46	16	7	31	29.10	30.07	16	FEW	080			10.00		67	28	49	23	10	20	29.03	30.00
19	CLR	NC			10.00	57	26	44	30	7	28	29.19	30.18	19	FEW	060			10.00		62	28	47	28	11	20	28.99	29.96
22	CLR	NC			10.00	48	31	41	52	8	34	29.29	30.27	22	BKN	050			10.00		58	34	47	41	7	VR	28.97	29.95
SUNRISE: 0724 FEB 15						SUNSET: 1818						SUNRISE: 0717 FEB 21						SUNSET: 1824										
01	CLR	NC			10.00	39	30	35	70	0	00	29.33	30.31	01	BKN	050			10.00		51	34	43	52	5	21	28.94	29.91
04	CLR	NC			10.00	35	28	32	76	0	00	29.33	30.32	04	OVC	065			10.00		56	38	47	51	6	26	28.91	29.87
07	CLR	NC			10.00	32	27	30	82	0	00	29.37	30.37	07	OVC	065			10.00		53	39	46	59	0	00	28.91	29.87
10	CLR	NC			10.00	41	31	37	68	7	06	29.39	30.40	10	OVC	055			10.00		58	46	52	65	6	25	28.90	29.86
13	CLR	NC			10.00	51	29	42	43	5	VR	29.36	30.35	13	OVC	050			10.00		68	49	57	51	7	22	28.82	29.78
16	CLR	NC			10.00	56	22	42	27	5	07	29.28	30.27	16	OVC	065			10.00		68	47	56	47	15	21	28.77	29.72
19	CLR	NC			10.00	49	24	39	38	0	00	29.28	30.29	19	OVC	049			10.00		66	48	56	52	9	22	28.77	29.73
22	CLR	NC			10.00	40	28	35	62	0	00	29.30	30.30	22	OVC	041			10.00		66	49	57	54	9	23	28.79	29.74
SUNRISE: 0723 FEB 16						SUNSET: 1819						SUNRISE: 0716 FEB 22						SUNSET: 1825										
01	CLR	NC			10.00	36	27	33	70	0	00	29.31	30.32	01	OVC	043			10.00	-RA	54	51	52	90	0	00	28.86	29.82
04	CLR	NC			10.00	35	29	33	79	0	00	29.30	30.30	04	OVC	080			10.00		51	47	49	86	0	00	28.91	29.86
07	SCT	070			10.00	34	29	32	82	0	00	29.33	30.34	07	SCT	033			10.00		47	40	44	77	0	00	29.00	29.96
10	FEW	032			10.00	52	27	41	38	6	VR	29.36	30.36	10	OVC	018			10.00		48	41	45	77	0	00	29.09	30.05
13	OVC	070			10.00	56	30	44	37	5	27	29.31	30.31	13	OVC	045			10.00		56	35	46	45	7	26	29.10	30.07
16	OVC	095			10.00	61	35	49	38	3	VR	29.24	30.23	16	FEW	049			10.00		58	34	47	41	7	VR	29.09	30.05
19	CLR	NC			10.00	54	39	47	57	0	00	29.22	30.22	19	CLR	NC			10.00		53	33	44	47	3	30	29.14	30.13
22	CLR	NC			10.00	43	37	40	79	0	00	29.24	30.23	22	CLR	NC			10.00		43	30	38	60	0	00	29.21	30.20
SUNRISE: 0722 FEB 17						SUNSET: 1820						SUNRISE: 0715 FEB 23						SUNSET: 1826										
01	CLR	NC			10.00	38	34	36	86	0	00	29.25	30.24	01	CLR	NC			10.00		36	30	34	79	0	00	29.23	30.23
04	CLR	NC			10.00	35	32	34	89	0	00	29.23	30.22	04	CLR	NC			10.00		34	29	32	82	0	00	29.22	30.22
07	CLR	NC			8.00	34	31	33	89	0	00	29.24	30.24	07	CLR	NC			9.00		30	27	29	89	0	00	29.27	30.28
10	CLR	NC			9.00	47	38	43	71	0	00	29.26	30.26	10	CLR	NC			10.00		40	31	36	70	5	03	29.29	30.29
13	CLR	NC			10.00	66	45	55	47	15	21	29.18	30.16	13	CLR	NC			10.00		53	27	42	37	3	VR	29.25	30.25
16	CLR	NC			10.00	70	40	54	34	13	20	29.10	30.08	16	BKN	100			10.00		60	29	46	31	3	06	29.19	30.19
19	CLR	NC			10.00	64	41	52	43	6	VR	29.10	30.09	19	OVC	100			10.00		57	30	45	36	0	00	29.18	30.19
22	CLR	NC			10.00	61	40	50	46	6	24	29.12	30.09	22	OVC	065			10.00		52	36	45	55	0	00	29.19	30.18
SUNRISE: 0721 FEB 18						SUNSET: 1821						SUNRISE: 0714 FEB 24						SUNSET: 1827										
01	CLR	NC			10.00	57	38	48	49	7	23	29.13	30.09	01	BKN	100			10.00		49	37	43	63	0	00	29.16	30.14
04	OVC	047			10.00	58	39	49	49	3	VR	29.15	30.11	04	OVC	055			8.00		48	45	47	89	0	00	29.13	30.11
07	OVC	033			10.00	57	40	49	53	0	00	29.18	30.14	07	OVC	048			1.00	+RA BR	48	47	47	96	0	00	29.14	30.12
10	OVC	027			10.00	57	44	50	62	3	VR	29.20	30.17	10	OVC	044			2.50	BR	49	47	48	93	0	00	29.13	30.10
13	OVC	025			10.00	61	50	55	67	5	VR	29.21	30.18	13	OVC	040			2.00	-RA BR	50	48	49	93	3	04	29.07	30.05
16	OVC	027			10.00	64	53	58	68	5	26	29.18	30.14	16	OVC	007			6.00	BR	50	49	49	96	0	00	28.96	29.94
19	OVC	047			10.00	63	54	58	73	3	VR	29.21	30.18	19	BKN	100			4.00	BR	50	49	49	96	0	00	28.86	29.84
22	OVC	090			10.00	56	46	51	69	0	00	29.26	30.24	22	OVC	070			2.50	BR	50	49	49	96	0	00	28.80	29.78

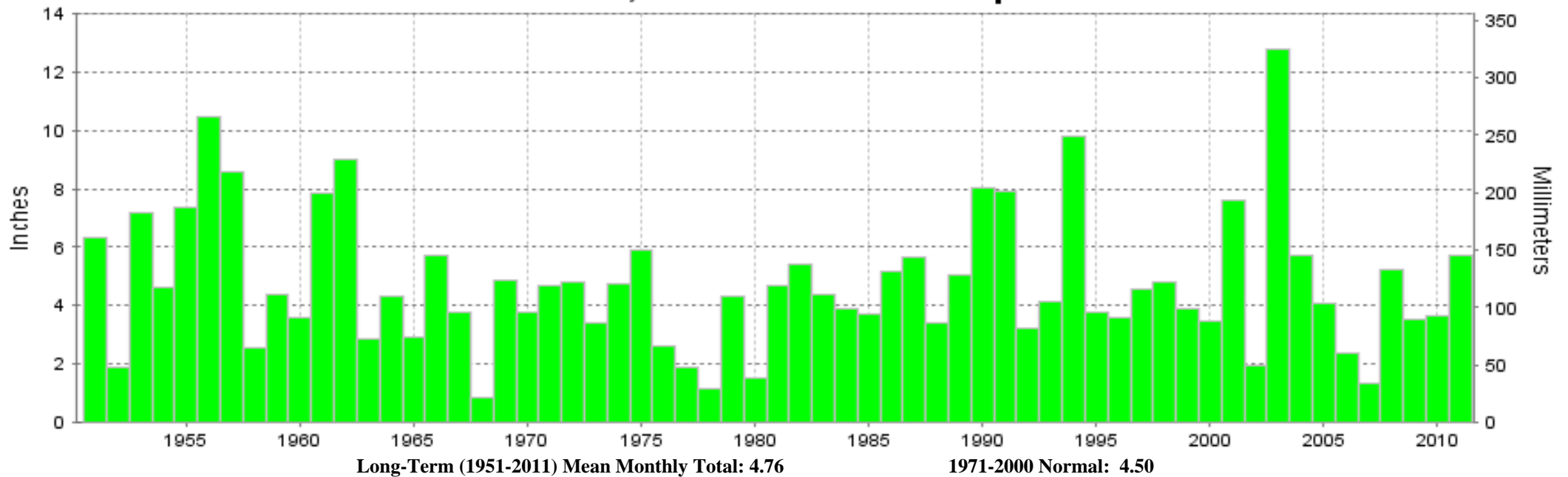


## OAK RIDGE, TN FEBRUARY Temperatures



Long-Term (1951-2011) Mean: 40.7  
1971-2000 Normal: 40.6

## OAK RIDGE, TN FEBRUARY Precipitation



Long-Term (1951-2011) Mean Monthly Total: 4.76

1971-2000 Normal: 4.50



**FEBRUARY 2011  
OAK RIDGE, TN**

# **LOCAL CLIMATOLOGICAL DATA**

## **NOAA, National Climatic Data Center**

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