



# MARCH 2015 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		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	48	37	43	-1	36	41	22	0	RA BR			0.10	29.42	30.42	1.9	24	3.7	12	22	8	27	01		
02	49	40	45	0	36	40	20	0	RA BR			0.16	29.37	30.38	2.0	05	5.0	19	07	14	07	02		
03	53	39	46	1	42	44	19	0	RA BR			0.41	29.18	30.15	0.7	21	1.8	10	27	6	25	03		
04	69	41	55	10	53	54	10	0	RA BR			0.79	28.94	29.91	2.8	23	6.1	27	21	16	21	04		
05	42	20	31	-15	27	30	34	0	RA FZRA SN BR			0.66	29.18	30.25	2.7	03	5.5	16	03	10	06	05		
06	42	17*	30*	-16	16	24	35	0				0.00	29.49	30.54	0.3	08	3.6	14	01	9	20	06		
07	58	22	40	-6	23	33	25	0				0.00	29.41	30.42	1.9	21	2.7	17	22	12	20	07		
08	67	31	49	2	25	39	16	0				0.00	29.29	30.28	1.0	21	2.6	13	20	9	20	08		
09	60	46	53	6	43	48	12	0	RA BR			0.05	29.26	30.24	0.9	20	1.0	23	21	16	19	09		
10	60	50	55	8	53	53	10	0	RA BR			0.55	29.13	30.10	0.8	24	1.6	13	22	7	25	10		
11	70	55	63	16	57	59	2	0	RA FG BR			0.32	29.18	30.17	1.4	06	2.0	12	05	8	05	11		
12	71	47	59	11	49	53	6	0	RA			0.01	29.35	30.33	2.7	05	3.9	18	06	14	07	12		
13	60	49	55	7	50	51	10	0	RA BR			0.52	29.31	30.28	0.7	07	1.6	10	08	7	07	13		
14	59	47	53	5	52	52	12	0	RA BR			0.11	29.10	30.07	0.2	31	1.9	12	26	8	21	14		
15	71	44	58	9	43	50	7	0	BR			0.00	29.24	30.23	0.6	02	2.1	13	17	9	14	15		
16	81*	37	59	10	38	48	6	0				0.00	29.20	30.15	1.1	20	1.8	16	22	12	21	16		
17	79	48	64	15	45	53	1	0				0.00	29.03	30.01	1.9	33	4.9	28*	35	20*	33	17		
18	55	44	50	1	29	41	15	0				0.00	29.20	30.18	4.6	05	6.0	17	06	12	06	18		
19	52	43	48	-2	41	45	17	0	RA BR			0.36	29.14	30.12	2.3	05	3.0	13	04	8	07	19		
20	56	48	52	2	49	50	13	0	RA BR			0.04	29.13	30.12	2.1	22	3.5	13	21	10	21	20		
21	68	48	58	8	44	50	7	0				0.00	29.18	30.14	0.8	07	1.3	10	15	8	08	21		
22	69	49	59	8	45	51	6	0	RA			0.01	29.08	30.05	0.4	07	1.8	13	02	9	06	22		
23	75	44	60	9	41	50	5	0				0.00	29.07	30.04	0.7	17	1.7	14	27	9	21	23		
24	75	46	61	10	45	52	4	0				0.00	29.13	30.10	1.6	21	3.0	15	18	13	20	24		
25	79	59	69*	18	50	58	0	4				0.00	29.13	30.06	4.5	22	5.8	24	23	16	21	25		
26	78	46	62	10	53	57	3	0	RA BR			0.57	28.92	29.85	3.3	22	5.9	23	19	12	19	26		
27	53	37	45	-7	31	39	20	0	RA			0.01	28.94	29.94	3.7	35	5.5	23	32	16	34	27		
28	49	32	41	-11	15	31	24	0				0.00	29.18	30.22	2.2	35	4.8	20	01	12	35	28		
29	60	25	43	-9	18	35	22	0				0.00	29.31	30.30	2.9	20	4.8	22	20	16	20	29		
30	70	45	58	5	34	47	7	0	RA			0.05	29.13	30.10	3.4	25	4.9	19	21	12	26	30		
31	78	37	58	5	38	48	7	0				0.00	29.02	29.96	2.8	26	4.2	23	22	14	27	31		

63.1			41.1			52.1			☼	39.4		46.0		12.8		0.1		< MONTHLY AVERAGES   TOTALS >				4.72				29.18		30.16		0.3		25		3.5		< MONTHLY AVERAGES				
1.7			1.8			1.7				-----DEPARTURE FROM NORMAL -----																-0.34				SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
<b>DEGREE DAYS</b>										GREATEST 24-HR PRECIPITATION : 0.94 DATE : 03-04										SEA LEVEL PRESSURE																				
MONTHLY					SEASON TO DATE					GREATEST 24-HR SNOWFALL :					DATE :					MAXIMUM :					DATE					TIME										
TOTAL DEPARTURE					TOTAL DEPARTURE					GREATEST SNOW DEPTH :					DATE :					MINIMUM :					DATE					TIME										
HEATING :		397		-61		3561		141		NUMBER OF -> DAYS WITH		MAXIMUM TEMP >= 90 :		0		MINIMUM TEMP <= 32 :		6		PRECIPITATION >= 0.01 INCH :		17		PRECIPITATION >= 0.10 INCH :		11		SNOWFALL >= 1.0 INCH :												
COOLING :		4		0		4		0		THUNDERSTORMS :		0		HEAVY FOG :		0																								

**MARCH 2015  
OAK RIDGE, TN**

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)  
MARCH 2015

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			T	0.01	0.04	0.03	0.01			T	0.01	T	01	0.10	0.10
02	0.01	0.05	0.01	0.02	0.04	0.03							02													02	0.16	0.16
03					T	T	0.01	0.01	0.01	0.01		T	0.01			T	0.02	0.02	0.01	0.06	0.25		T			03	0.41	0.41
04	0.02	0.07	0.03	0.17	0.07	0.08	0.03	0.03	0.02	0.02			04	T	T		T	0.06	0.01	0.08					04	0.79	0.79	
05	0.01	0.01	T	0.12	0.12	0.04	0.02	0.02	0.09	0.09	0.11	0.01	05				T		0.02	T					05	0.66	0.66	
06													06													06	0.00	0.00
07													07													07	0.00	0.00
08													08													08	0.00	0.00
09			T	T	T	0.01	0.01	0.01		T			09							T	0.01	T	T	0.01		09	0.05	0.05
10	0.02	0.02	0.10	0.04	0.04	0.07	0.02					T	10	0.03	0.06				T	0.01	0.01	T	0.01	0.12	10	0.55	0.55	
11	0.01	0.03	0.02	0.04	0.03	0.02	0.03	0.04	0.03	0.03	0.01	0.01	11	T				0.02	T						11	0.32	0.32	
12													12									0.01	T			12	0.01	0.01
13			0.05	0.01	T	0.02	0.05	0.09	0.08	0.01	0.06	0.02	13	0.06	0.03	0.02	T				T	0.02	T	T	13	0.52	0.52	
14							T	0.01	0.01	0.01	0.05	T	14	0.01	0.01	T			T	0.01	T		T		14	0.11	0.11	
15													15													15	0.00	0.00
16													16													16	0.00	0.00
17													17													17	0.00	0.00
18													18													18	0.00	0.00
19		T	T	T	0.01	0.01	0.01	0.06	0.05	0.06	0.04	0.01	19	T	0.03	0.01	0.01	0.01	0.02	0.01	0.02				19	0.36	0.36	
20						T		T	0.02	0.01	T	0.01	20	T		T										20	0.04	0.04
21													21													21	0.00	0.00
22													22							T	0.01	T	T			22	0.01	0.01
23													23													23	0.00	0.00
24													24													24	0.00	0.00
25													25													25	0.00	0.00
26										T	0.01		26			T	0.19	0.01	0.02	0.05	0.04	0.10	0.13	0.02	26	0.57	0.57	
27	T	0.01	T	T									27					T					T	T	27	0.01	0.01	
28													28													28	0.00	0.00
29													29													29	0.00	0.00
30		T	0.02	0.03	T								30													30	0.05	0.05
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)	0.06	0.09	0.14	0.16	0.17	0.23	0.30	0.31	0.31	0.31	0.33	0.35
Ending Date	26	26	26	26	26	03	03	03	03	03	04	04
Ending Time (Hr/Min)	1621	1626	1628	1632	1644	1944	1946	1958	1958	1958	0518	0541

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.

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).

## 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	
VC In the Vicinity	UP Unkown Precipitation		GL Glaze

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

# OAK RIDGE, TN MARCH 2015

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet.

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.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

**NORMALS ARE FOR THE YEARS 1981-2010**

### ADDITIONAL NOTES & ERRATA:

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	VISIBILITY (MILES)	
	MINIMUM	MAXIMUM
01	2.50	10.00
02	2.50	10.00
03	1.00	10.00
04	1.25	10.00
05	1.50	10.00
06	10.00	10.00
07	10.00	10.00
08	10.00	10.00
09	6.00	10.00
10	1.75	10.00
11	1.00	10.00
12	10.00	10.00
13	3.00	10.00
14	1.00	10.00
15	2.00	10.00
16	10.00	10.00
17	10.00	10.00
18	10.00	10.00
19	1.75	10.00
20	1.00	10.00
21	5.00	10.00
22	10.00	10.00
23	9.00	10.00
24	10.00	10.00
25	10.00	10.00
26	4.00	10.00
27	10.00	10.00
28	10.00	10.00
29	10.00	10.00
30	8.00	10.00
31	10.00	10.00
<b>AVGS</b>	6.20	10.00
<b>MINIMUM VISIBILITY (MILES)</b>		
<= .25	<= 3.0	>= 7.0
0	12	16

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

MARCH 2015

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)					
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL						DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL				
<b>SUNRISE: 0707</b>					<b>MAR 01</b>					<b>SUNSET: 1832</b>					<b>SUNRISE: 0659</b>					<b>MAR 07</b>					<b>SUNSET: 1837</b>				
01	BKN	110	10.00		38	27	34	65	0	00	29.46	30.48	01	CLR	NC	10.00		27	22	25	81	0	00	29.46	30.49				
04	OVC	033	10.00		42	28	36	58	3	VR	29.45	30.45	04	CLR	NC	10.00		24	21	23	88	0	00	29.45	30.48				
07	OVC	038	10.00		42	29	37	60	5	26	29.46	30.46	07	CLR	NC	10.00		22	19	21	89	0	00	29.49	30.52				
10	OVC	025	10.00		44	32	39	63	6	VR	29.48	30.49	10	CLR	NC	10.00		38	24	33	57	3	26	29.49	30.51				
13	OVC	019	10.00		47	34	41	61	3	VR	29.44	30.44	13	CLR	NC	10.00		50	21	39	32	8	19	29.43	30.44				
16	OVC	015	8.00	-RA	47	41	44	80	5	26	29.38	30.38	16	CLR	NC	10.00		57	23	43	27	5	VR	29.34	30.35				
19	OVC	019	3.00	BR	45	43	44	93	6	27	29.38	30.38	19	CLR	NC	10.00		52	24	41	34	3	19	29.31	30.33				
22	OVC	009	3.00	-RA BR	45	43	44	93	3	VR	29.36	30.36	22	CLR	NC	10.00		43	26	36	51	0	00	29.33	30.34				
<b>SUNRISE: 0706</b>					<b>MAR 02</b>					<b>SUNSET: 1832</b>					<b>SUNRISE: 0658</b>					<b>MAR 08</b>					<b>SUNSET: 1838</b>				
01	OVC	007	3.00	BR	45	44	45	97	5	25	29.32	30.32	01	CLR	NC	10.00		35	27	32	72	0	00	29.33	30.33				
04	OVC	040	5.00	BR	46	44	45	93	6	VR	29.31	30.31	04	CLR	NC	10.00		33	26	30	75	0	00	29.32	30.32				
07	OVC	022	10.00		42	38	40	85	5	VR	29.40	30.40	07	CLR	NC	10.00		31	25	29	79	0	00	29.35	30.36				
10	OVC	015	10.00		40	35	38	83	6	VR	29.46	30.47	10	CLR	NC	10.00		51	27	41	39	5	VR	29.34	30.34				
13	SCT	017	10.00		43	34	39	71	7	VR	29.46	30.46	13	CLR	NC	10.00		62	18	44	18	5	VR	29.28	30.27				
16	CLR	NC	10.00		47	31	40	54	7	07	29.39	30.38	16	CLR	NC	10.00		67	19	47	16	6	VR	29.22	30.20				
19	CLR	NC	10.00		45	30	39	56	7	06	29.34	30.35	19	CLR	NC	10.00		59	25	44	27	3	20	29.21	30.21				
22	BKN	120	10.00		41	31	37	67	3	05	29.33	30.34	22	CLR	NC	10.00		54	31	44	42	0	00	29.24	30.23				
<b>SUNRISE: 0705</b>					<b>MAR 03</b>					<b>SUNSET: 1833</b>					<b>SUNRISE: 0657</b>					<b>MAR 09</b>					<b>SUNSET: 1839</b>				
01	OVC	080	10.00		41	32	37	70	0	00	29.28	30.28	01	OVC	080	10.00		56	29	44	36	15	21	29.28	30.25				
04	OVC	034	10.00		42	32	38	68	0	00	29.22	30.22	04	OVC	040	10.00		50	39	45	66	0	00	29.26	30.23				
07	OVC	010	2.00	BR	40	38	39	93	0	00	29.24	30.24	07	OVC	080	10.00	-RA	47	44	46	90	0	00	29.28	30.26				
10	OVC	010	1.75	BR	42	40	41	92	0	00	29.24	30.24	10	OVC	080	10.00		50	46	48	86	0	00	29.31	30.29				
13	OVC	004	5.00	BR	45	43	44	93	6	25	29.16	30.16	13	OVC	055	10.00		55	44	49	67	0	00	29.29	30.26				
16	OVC	003	2.50	-RA BR	48	47	47	96	5	20	29.09	30.08	16	BKN	065	10.00		59	43	51	56	0	00	29.22	30.20				
19	OVC	006	1.25	RA BR	50	49	49	96	0	00	29.07	30.06	19	OVC	110	10.00		56	45	50	67	0	00	29.22	30.20				
22	OVC	004	5.00	BR	52	51	51	97	0	00	29.04	30.02	22	OVC	090	10.00		52	49	50	89	0	00	29.24	30.22				
<b>SUNRISE: 0703</b>					<b>MAR 04</b>					<b>SUNSET: 1834</b>					<b>SUNRISE: 0655</b>					<b>MAR 10</b>					<b>SUNSET: 1840</b>				
01	OVC	002	1.25	RA BR	53	52	52	96	6	VR	29.00	29.98	01	OVC	046	5.00	-RA BR	51	49	50	92	0	00	29.21	30.19				
04	OVC	005	5.00	-RA BR	54	53	53	97	6	26	28.97	29.94	04	OVC	034	3.00	-RA BR	50	49	49	96	0	00	29.15	30.13				
07	OVC	004	6.00	-RA BR	55	54	54	96	6	25	28.97	29.94	07	OVC	041	3.00	BR	50	49	49	96	3	08	29.13	30.11				
10	OVC	011	10.00		62	59	60	90	8	21	28.95	29.92	10	OVC	038	10.00		53	50	51	89	0	00	29.13	30.11				
13	OVC	029	9.00	-RA	66	60	62	81	10	21	28.91	29.87	13	OVC	034	1.75	RA BR	56	54	55	93	8	25	29.12	30.09				
16	OVC	029	10.00	-RA	67	60	63	79	6	VR	28.84	29.79	16	OVC	014	6.00	BR	58	56	57	93	3	VR	29.08	30.04				
19	OVC	032	10.00	-RA	53	51	52	93	7	06	28.89	29.86	19	OVC	060	5.00	BR	58	56	57	93	0	00	29.09	30.06				
22	OVC	026	10.00	-RA	45	42	44	90	5	VR	29.02	29.99	22	OVC	050	2.50	-RA BR	58	57	57	97	0	00	29.13	30.10				
<b>SUNRISE: 0702</b>					<b>MAR 05</b>					<b>SUNSET: 1835</b>					<b>SUNRISE: 0654</b>					<b>MAR 11</b>					<b>SUNSET: 1841</b>				
01	OVC	027	10.00		41	38	40	89	6	05	29.03	30.00	01	OVC	080	4.00	-RA BR	59	57	58	93	0	00	29.13	30.10				
04	OVC	055	4.00	RA BR	37	35	36	93	3	VR	29.03	30.00	04	OVC	110	4.00	-RA BR	58	57	57	97	0	00	29.13	30.10				
07	OVC	031	6.00	-RA BR	37	34	36	89	5	VR	29.08	30.07	07	OVC	047	1.75	-RA BR	58	57	57	97	0	00	29.15	30.12				
10	OVC	070	2.00	-SN BR	33	30	32	89	9	07	29.18	30.19	10	OVC	031	3.00	-RA BR	62	60	61	93	0	00	29.19	30.16				
13	OVC	025	10.00		32	28	30	85	9	06	29.18	30.20	13	OVC	033	10.00		64	61	62	90	0	00	29.20	30.16				
16	OVC	043	10.00		30	23	28	75	5	36	29.33	30.35	16	FEW	120	10.00		69	57	62	66	0	00	29.19	30.15				
19	OVC	029	10.00		26	20	24	78	7	VR	29.44	30.47	19	OVC	032	10.00	-RA	62	57	59	84	3	07	29.25	30.22				
22	CLR	NC	10.00		22	15	20	75	5	VR	29.49	30.53	22	FEW	060	10.00		57	52	54	83	5	05	29.32	30.28				
<b>SUNRISE: 0701</b>					<b>MAR 06</b>					<b>SUNSET: 1836</b>					<b>SUNRISE: 0652</b>					<b>MAR 12</b>					<b>SUNSET: 1841</b>				
01	SCT	025	10.00		20	12	18	71	6	04	29.49	30.53	01	CLR	NC	10.00		53	50	51	89	3	07	29.34	30.31				
04	CLR	NC	10.00		19	9	16	65	3	VR	29.49	30.54	04	CLR	NC	10.00		49	47	48	93	5	06	29.35	30.32				
07	BKN	026	10.00		17	9	15	70	5	06	29.52	30.57	07	CLR	NC	10.00		48	45	47	89	0	00	29.38	30.36				
10	CLR	NC	10.00		25	16	22	69	6	VR	29.54	30.59	10	CLR	NC	10.00		58	47	52	67	8	07	29.41	30.39				
13	CLR	NC	10.00		32	18	27	56	5	11	29.52	30.56	13	OVC	050	10.00		66	46	55	49	6	VR	29.37	30.34				
16	CLR	NC	10.00		40	16	32	38	6	27	29.46	30.49	16	BKN	065	10.00		71	48	58	44	6	02	29.34	30.31				
19	CLR	NC	10.00		37	16	30	42	3	23	29.45	30.49	19	FEW	120	10.00		67	49	57	53	3	01	29.34	30.31				
22	CLR	NC	10.00		30	22	27	72	0	00	29.48	30.52	22	OVC	100	10.00		59	56	57	90	3	16	29.35	30.32				

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

MARCH 2015

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL						DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
<b>SUNRISE: 0651 MAR 13</b>					<b>SUNSET: 1842</b>					<b>SUNRISE: 0642 MAR 19</b>					<b>SUNSET: 1848</b>										
01	OVC	050	10.00		60	53	56	78	0	00	29.34	30.30	01	OVC	085	10.00		52	26	41	37	5	05	29.15	30.13
04	OVC	055	10.00		56	53	54	90	0	00	29.33	30.29	04	OVC	060	10.00		51	28	41	41	5	04	29.14	30.12
07	OVC	075	5.00	-RA BR	55	53	54	93	0	00	29.35	30.31	07	OVC	045	10.00	-RA	45	40	43	83	5	04	29.15	30.14
10	OVC	065	10.00		52	49	50	89	3	06	29.37	30.35	10	OVC	034	9.00	-RA	44	40	42	85	5	VR	29.15	30.14
13	OVC	046	5.00	-RA BR	51	49	50	92	0	00	29.34	30.32	13	OVC	023	1.75	-RA BR	46	44	45	93	5	VR	29.14	30.13
16	OVC	011	10.00		52	50	51	93	5	VR	29.27	30.25	16	OVC	009	2.00	-RA BR	48	46	47	93	0	00	29.10	30.08
19	BKN	095	10.00		50	48	49	93	0	00	29.25	30.23	19	OVC	018	3.00	-RA BR	48	47	47	96	0	00	29.13	30.11
22	OVC	033	10.00	-RA	50	48	49	93	3	09	29.22	30.21	22	OVC	018	4.00	BR	49	47	48	93	0	00	29.13	30.13
<b>SUNRISE: 0650 MAR 14</b>					<b>SUNSET: 1843</b>					<b>SUNRISE: 0641 MAR 20</b>					<b>SUNSET: 1848</b>										
01	BKN	120	4.00	BR	50	48	49	93	0	00	29.16	30.15	01	OVC	004	4.00	BR	49	47	48	93	3	VR	29.13	30.11
04	BKN	090	3.00	BR	49	47	48	93	0	00	29.10	30.09	04	OVC	005	10.00		48	47	47	96	5	VR	29.10	30.09
07	OVC	044	4.00	BR	48	47	47	96	0	00	29.08	30.06	07	OVC	003	3.00	BR	49	48	48	97	3	VR	29.13	30.11
10	OVC	010	3.00	-RA BR	51	50	50	96	0	00	29.10	30.08	10	OVC	004	1.75	BR	50	49	49	96	5	VR	29.15	30.14
13	OVC	004	8.00		55	53	54	93	6	VR	29.08	30.05	13	OVC	008	10.00		54	51	52	90	5	VR	29.14	30.13
16	OVC	009	10.00		59	55	57	87	6	VR	29.04	30.01	16	OVC	022	10.00		55	52	53	90	5	21	29.12	30.10
19	OVC	080	10.00		57	55	56	93	3	VR	29.08	30.05	19	OVC	034	10.00		55	50	52	83	3	23	29.14	30.12
22	OVC	034	10.00		57	55	56	93	0	00	29.14	30.12	22	OVC	019	10.00		53	48	50	83	0	00	29.17	30.16
<b>SUNRISE: 0648 MAR 15</b>					<b>SUNSET: 1844</b>					<b>SUNRISE: 0640 MAR 21</b>					<b>SUNSET: 1849</b>										
01	CLR	NC	10.00		56	50	53	81	5	01	29.18	30.15	01	OVC	010	5.00	BR	50	48	49	93	0	00	29.17	30.16
04	CLR	NC	10.00		56	46	51	70	7	32	29.20	30.18	04	OVC	008	8.00		49	46	48	90	0	00	29.17	30.15
07	FEW	002	2.50	BR	44	43	44	96	0	00	29.28	30.27	07	OVC	025	10.00		48	45	47	89	0	00	29.20	30.19
10	CLR	NC	10.00		55	44	49	67	5	06	29.33	30.31	10	CLR	NC	10.00		54	42	48	64	0	00	29.23	30.21
13	CLR	NC	10.00		63	41	52	45	7	VR	29.30	30.27	13	CLR	NC	10.00		63	42	52	47	3	VR	29.19	30.17
16	CLR	NC	10.00		70	40	54	34	3	VR	29.22	30.18	16	CLR	NC	10.00		67	41	54	39	6	08	29.12	30.08
19	CLR	NC	10.00		66	40	53	39	0	00	29.24	30.22	19	CLR	NC	10.00		62	43	52	50	0	00	29.14	30.11
22	CLR	NC	10.00		52	45	48	77	0	00	29.27	30.25	22	CLR	NC	10.00		55	45	50	69	0	00	29.13	30.11
<b>SUNRISE: 0647 MAR 16</b>					<b>SUNSET: 1845</b>					<b>SUNRISE: 0638 MAR 22</b>					<b>SUNSET: 1850</b>										
01	CLR	NC	10.00		45	42	44	90	0	00	29.25	30.24	01	CLR	NC	10.00		52	45	48	77	0	00	29.14	30.11
04	CLR	NC	10.00		41	38	40	89	0	00	29.25	30.23	04	CLR	NC	10.00		49	45	47	86	0	00	29.12	30.08
07	CLR	NC	10.00		38	35	37	89	0	00	29.28	30.26	07	CLR	NC	10.00		49	44	47	83	0	00	29.10	30.07
10	CLR	NC	10.00		56	41	49	57	0	00	29.27	30.25	10	CLR	NC	10.00		60	45	52	58	5	VR	29.13	30.09
13	CLR	NC	10.00		72	39	55	30	7	15	29.19	30.16	13	CLR	NC	10.00		66	43	54	43	3	05	29.08	30.03
16	CLR	NC	10.00		80	31	55	17			29.09	30.05	16	OVC	110	10.00		67	42	54	41	3	12	29.03	29.99
19	CLR	NC	10.00		71	35	53	27	0	00	29.07	30.04	19	OVC	090	10.00		63	44	53	50	0	00	29.03	29.99
22	CLR	NC	10.00		57	41	49	55	0	00	29.07	30.03	22	OVC	085	10.00	-RA	54	49	51	83	3	23	29.09	30.06
<b>SUNRISE: 0645 MAR 17</b>					<b>SUNSET: 1846</b>					<b>SUNRISE: 0637 MAR 23</b>					<b>SUNSET: 1851</b>										
01	CLR	NC	10.00		56	38	47	51	3	25	29.05	30.00	01	CLR	NC	10.00		53	50	51	89	0	00	29.06	30.02
04	CLR	NC	10.00		49	40	45	71	0	00	29.03	29.98	04	CLR	NC	10.00		50	46	48	86	0	00	29.06	30.01
07	CLR	NC	10.00		49	42	46	77	0	00	29.04	30.00	07	CLR	NC	9.00		44	42	43	93	0	00	29.10	30.07
10	CLR	NC	10.00		69	52	59	55	5	VR	29.02	29.97	10	CLR	NC	10.00		61	38	50	43	5	VR	29.12	30.09
13	FEW	060	10.00		78	50	62	37	10	35	28.99	29.93	13	CLR	NC	10.00		69	38	53	32	5	VR	29.08	30.03
16	OVC	050	10.00		70	51	59	51	6	VR	29.05	30.01	16	CLR	NC	10.00		73	36	54	26	6	18	29.03	29.98
19	CLR	NC	10.00		66	45	55	47	3	VR	29.09	30.05	19	CLR	NC	10.00		69	37	53	31	3	VR	29.04	30.01
22	CLR	NC	10.00		56	36	47	47	6	02	29.16	30.12	22	CLR	NC	10.00		56	42	49	60	0	00	29.10	30.06
<b>SUNRISE: 0644 MAR 18</b>					<b>SUNSET: 1847</b>					<b>SUNRISE: 0635 MAR 24</b>					<b>SUNSET: 1852</b>										
01	CLR	NC	10.00		51	33	43	50	10	05	29.17	30.12	01	CLR	NC	10.00		49	42	46	77	0	00	29.10	30.07
04	CLR	NC	10.00		46	29	39	51	3	03	29.19	30.16	04	BKN	080	10.00		48	42	45	80	0	00	29.12	30.08
07	CLR	NC	10.00		44	28	37	53	6	05	29.23	30.21	07	CLR	NC	10.00		47	41	44	80	0	00	29.15	30.13
10	CLR	NC	10.00		45	30	39	56	8	03	29.25	30.24	10	CLR	NC	10.00		63	48	55	58	7	VR	29.19	30.16
13	CLR	NC	10.00		52	31	43	45	6	VR	29.23	30.22	13	CLR	NC	10.00		73	47	59	40	5	VR	29.15	30.12
16	FEW	120	10.00		55	29	44	37	8	06	29.16	30.14	16	SCT	070	10.00		74	45	58	36	8	18	29.12	30.08
19	OVC	100	10.00		54	31	44	42	3	07	29.17	30.16	19	CLR	NC	10.00		71	44	56	38	0	00	29.12	30.08
22	OVC	100	10.00		52	26	41	37	6	05	29.17	30.16	22	CLR	NC	10.00		59	47	53	64	0	00	29.10	30.07

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

MARCH 2015

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
<b>SUNRISE: 0634 MAR 25</b>					<b>SUNSET: 1853</b>							
01	CLR	NC	10.00		62	46	54	56	3	19	29.13	30.07
04	CLR	NC	10.00		62	49	55	62	5	VR	29.12	30.06
07	OVC	060	10.00		60	51	55	72	5	23	29.19	30.14
10	SCT	055	10.00		68	53	59	59	8	22	29.19	30.15
13	FEW	049	10.00		76	50	61	40	14	19	29.13	30.08
16	CLR	NC	10.00		78	49	61	36	5	VR	29.08	30.01
19	CLR	NC	10.00		73	49	59	43	3	VR	29.07	30.01
22	SCT	070	10.00		69	51	59	53	5	19	29.06	30.00
<b>SUNRISE: 0632 MAR 26</b>					<b>SUNSET: 1854</b>							
01	OVC	075	10.00		67	55	60	66	3	21	29.04	29.97
04	BKN	075	10.00		65	55	59	70	8	21	28.97	29.90
07	OVC	080	10.00		63	56	59	78	5	VR	28.97	29.91
10	OVC	050	10.00		63	59	61	87	5	VR	28.93	29.88
13	SCT	080	10.00		75	53	62	46	10	21	28.84	29.77
16	OVC	090	10.00	-RA	74	51	61	45	9	22	28.77	29.69
19	OVC	030	6.00	RA	55	49	52	80	9	34	28.85	29.80
22	OVC	039	9.00	RA	47	44	46	90	3	04	28.94	29.91
<b>SUNRISE: 0631 MAR 27</b>					<b>SUNSET: 1854</b>							
01	OVC	085	10.00	-RA	43	40	42	89	7	02	28.93	29.89
04	OVC	060	10.00		42	38	40	85	7	05	28.86	29.82
07	OVC	017	10.00		43	38	41	82	3	VR	28.91	29.89
10	OVC	033	10.00		46	32	40	58	7	36	28.96	29.95
13	FEW	045	10.00		51	26	41	38	5	VR	28.94	29.93
16	OVC	080	10.00		50	25	40	38	8	35	28.92	29.91
19	BKN	100	10.00		44	28	37	53	3	VR	28.99	29.98
22	OVC	070	10.00		40	26	35	58	6	31	29.07	30.06
<b>SUNRISE: 0629 MAR 28</b>					<b>SUNSET: 1855</b>							
01	OVC	055	10.00		36	21	31	55	7	35	29.10	30.09
04	OVC	045	10.00		34	20	29	56	6	34	29.10	30.10
07	SCT	041	10.00		32	17	27	54	6	34	29.17	30.18
10	CLR	NC	10.00		37	16	30	42	5	VR	29.23	30.24
13	CLR	NC	10.00		43	13	33	29	5	VR	29.22	30.23
16	CLR	NC	10.00		48	10	35	21	7	VR	29.20	30.21
19	CLR	NC	10.00		43	8	32	24	6	VR	29.26	30.27
22	CLR	NC	10.00		37	13	29	37	0	00	29.33	30.35
<b>SUNRISE: 0628 MAR 29</b>					<b>SUNSET: 1856</b>							
01	CLR	NC	10.00		33	14	27	45	3	02	29.37	30.38
04	CLR	NC	10.00		27	19	24	72	0	00	29.39	30.40
07	CLR	NC	10.00		25	20	23	81	0	00	29.41	30.44
10	CLR	NC	10.00		40	15	31	36	0	00	29.42	30.43
13	CLR	NC	10.00		52	13	38	21	10	17	29.34	30.34
16	CLR	NC	10.00		59	13	41	16	7	21	29.22	30.22
19	CLR	NC	10.00		56	20	41	24	8	21	29.16	30.16
22	SCT	120	10.00		56	24	43	29	9	23	29.15	30.14
<b>SUNRISE: 0627 MAR 30</b>					<b>SUNSET: 1857</b>							
01	OVC	055	10.00		56	29	44	36	0	00	29.13	30.10
04	OVC	036	10.00	-RA	48	43	46	83	6	23	29.10	30.08
07	OVC	036	10.00		48	44	46	86	3	VR	29.14	30.12
10	SCT	041	10.00		56	46	51	70	7	20	29.19	30.16
13	CLR	NC	10.00		66	32	50	28	9	26	29.15	30.11
16	CLR	NC	10.00		68	27	49	21	7	23	29.09	30.06
19	CLR	NC	10.00		65	24	47	21	7	30	29.12	30.08
22	CLR	NC	10.00		51	31	42	46	0	00	29.15	30.13

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
<b>SUNRISE: 0625 MAR 31</b>					<b>SUNSET: 1858</b>							
01	CLR	NC	10.00		43	34	39	71	0	00	29.13	30.10
04	CLR	NC	10.00		39	33	36	79	0	00	29.09	30.06
07	CLR	NC	10.00		39	34	37	82	0	00	29.09	30.06
10	CLR	NC	10.00		58	36	48	44	7	26	29.07	30.03
13	FEW	070	10.00		74	45	58	36	8	22	28.97	29.92
16	FEW	090	10.00		77	43	58	30	9	24	28.89	29.85
19	CLR	NC	10.00		74	40	56	29	8	27	28.89	29.85
22	CLR	NC	10.00		65	41	53	42	5	27	28.95	29.90

## 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

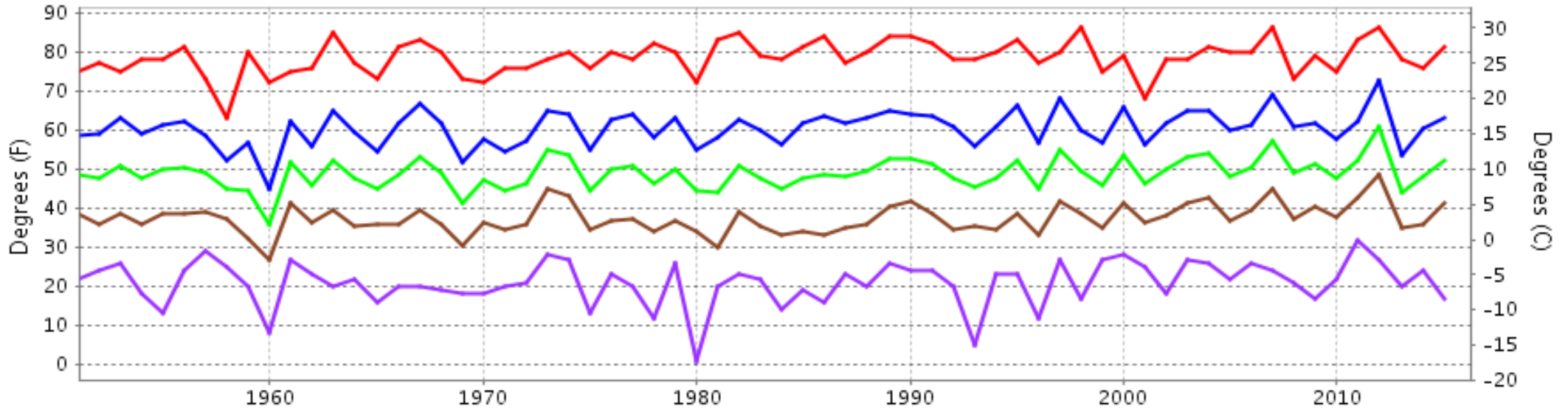
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.

& = Original observation contained additional weather elements. See page 3 for additional notes.

## SUMMARY BY HOUR

HOUR (LST)	AVERAGES								RESULTANT WIND (MPH)	
	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
					STATION	SEA LEVEL				
01	48	39	44	73	29.20	30.17	8.59	3	1	07
02	47	39	43	76	29.19	30.17	8.77	3	1	28
03	46	39	43	77	29.19	30.16	8.71	3	1	28
04	46	39	43	79	29.18	30.16	8.77	3	1	29
05	45	39	42	81	29.19	30.17	8.40	2	2	28
06	44	39	42	84	29.20	30.18	8.31	2	0	05
07	44	39	42	84	29.21	30.19	8.14	2	0	33
08	46	40	43	80	29.22	30.20	8.19	3	0	04
09	48	40	44	75	29.22	30.21	8.05	4	1	07
10	51	40	46	69	29.23	30.21	8.73	4	1	07
11	54	40	47	62	29.22	30.20	8.83	5	2	28
12	56	40	48	59	29.21	30.19	9.29	5	1	28
13	58	39	49	56	29.19	30.17	9.05	6	2	28
14	60	39	50	53	29.16	30.14	9.42	5	1	28
15	60	39	50	52	29.15	30.13	9.29	6	1	28
16	61	39	50	51	29.14	30.12	9.31	5	1	28
17	60	39	50	53	29.14	30.12	8.40	5	2	28
18	59	39	49	55	29.14	30.12	8.62	4	2	27
19	57	39	48	57	29.16	30.14	8.98	3	1	28
20	54	40	47	62	29.17	30.15	9.29	2	1	29
21	52	40	46	68	29.18	30.16	9.10	2	0	33
22	51	40	46	70	29.18	30.17	9.15	2	0	34
23	50	40	45	72	29.19	30.17	8.56	2	0	03
24	49	39	45	71	29.19	30.16	8.73	3	0	04

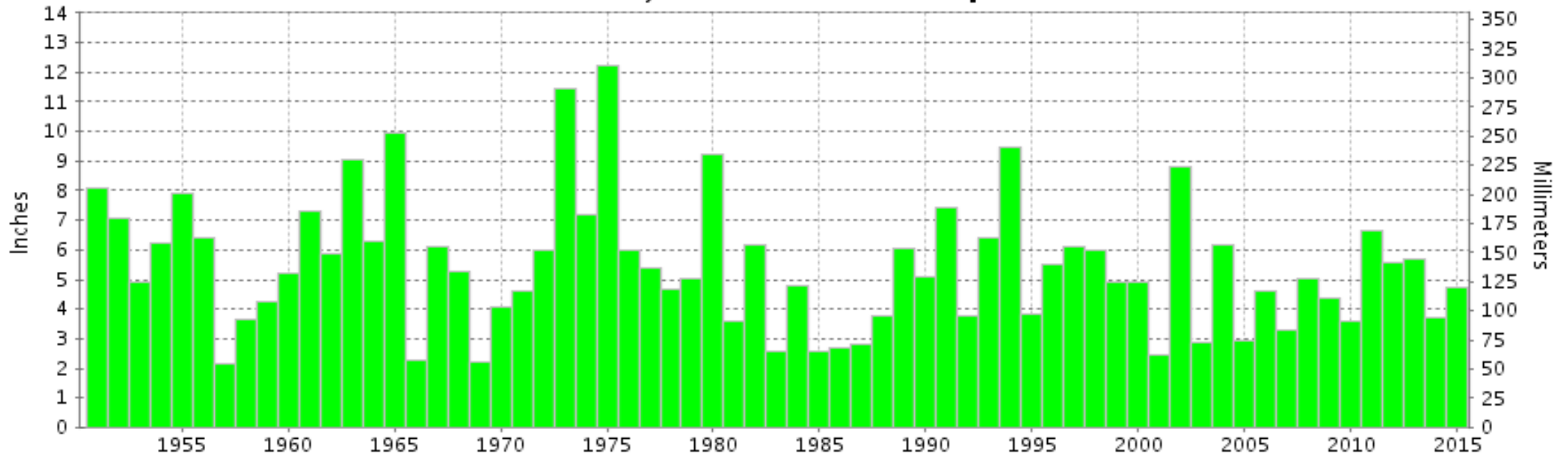
# OAK RIDGE, TN MARCH Temperatures



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

Long-Term (1951-2015) Mean: 48.9  
1981-2010 Normal: 50.4

# OAK RIDGE, TN MARCH Precipitation



Long-Term (1951-2015) Mean Monthly Total: 5.47      1981-2010 Normal: 5.06



**MARCH 2015**  
**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.*

A handwritten signature in black ink, appearing to read "Thomas R. Karl".

**DIRECTOR**

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