



JANUARY 2017 LOCAL CLIMATOLOGICAL DATA

NOAA, National Centers for Environmental Information

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												
																			SPEED 20	DIR 21	SPEED 22	DIR 23											
01	49	40	45	8	43	44	20	0	RA BR			0.35	29.11	30.12	0.7	07	1.7	10	25	7	03	01											
02	61	49	55	18	51	52	10	0	RA BR			0.41	29.11	30.08	0.6	13	1.0	13	06	9	06	02											
03	64	54	59	22	55	56	6	0	RA BR			0.45	28.82	29.78	2.5	22	4.7	20	20	12	21	03											
04	56	29	43	6	29	37	22	0				0.00	28.97	29.99	1.9	33	4.0	20	34	13	34	04											
05	37	27	32	-5	20	29	33	0	SN UP			T	29.01	30.02	0.8	04	2.1	12	36	8	36	05											
06	33	21	27	-9	19	24	38	0	SN FZFG BR			0.11	29.10	30.17	1.6	06	4.5	17	01	8	06	06											
07	28	16	22	-14	6	17	43	0	SN UP			0.03	29.39	30.50	0.6	01	3.4	16	35	10	34	07											
08	28	10*	19*	-17	5	15	46	0				0.00	29.69	30.78	0.4	17	1.7	14	33	8	09	08											
09	42	18	30	-6	11	25	35	0				0.00	29.59	30.63	2.5	23	3.5	21	17	15	19	09											
10	50	34	42	6	23	35	23	0	RA BR			0.09	29.32	30.32	3.3	26	4.2	21	22	10	26	10											
11	59	46	53	17	49	50	12	0	RA BR			0.77	29.23	30.21	0.5	20	0.7	17	19	10	20	11											
12	66	53	60	24	54	57	5	0	RA BR			0.03	29.26	30.26	3.5	22	4.5	23	21	15	20	12											
13	61	56	59	23	55	57	6	0	RA FG+ FG BR			0.03	29.44	30.44	0.2	09	1.2	8	07	6	07	13											
14	69	52	61*	25	55	57	4	0	RA FG+ FG BR			T	29.44	30.40	0.7	24	1.5	14	22	8	28	14											
15	64	54	59	23	54	56	6	0	RA BR			0.06	29.32	30.29	0.4	22	0.8	11	25	6	25	15											
16	63	53	58	22	52	54	7	0	RA FG BR			T	29.28	30.25	0.3	08	0.1	6	06	5	06	16											
17	63	53	58	22	56	57	7	0	RA BR			0.36	29.13	30.09	1.7	25	3.6	21	25	14	26	17											
18	61	47	54	18	44	49	11	0	RA			T	29.15	30.13	1.3	23	2.7	22	26	13	25	18											
19	56	42	49	13	43	46	16	0	RA			0.02	29.05	30.00	1.4	06	2.2	9	06	6	04	19											
20	69*	51	60	23	51	54	5	0	RA FG BR			0.36	28.84	29.81	1.4	21	2.1	22	26	14	21	20											
21	63	49	56	19	49	51	9	0	RA BR			0.05	28.82	29.76	0.5	10	0.9	14	10	10	10	21											
22	66	49	58	21	51	53	7	0	RA BR			1.04	28.51	29.41	1.7	03	3.8	21	04	13	05	22											
23	58	44	51	14	46	49	14	0	RA BR			0.11	28.41	29.43	2.6	31	5.3	24	32	15	31	23											
24	54	36	45	8	37	41	20	0	HZ			0.00	28.88	29.88	2.0	25	3.3	17	25	12	26	24											
25	64	33	49	12	41	45	16	0	RA FG+ FG BR			0.10	28.87	29.84	1.3	23	2.8	21	22	12	21	25											
26	57	40	49	12	30	39	16	0				0.00	28.90	29.93	6.6	26	7.6	26*	26	17*	27	26											
27	40	31	36	-1	22	31	29	0	SN			T	29.08	30.08	4.3	26	5.4	22	27	15	27	27											
28	51	29	40	3	19	33	25	0				0.00	28.99	29.99	5.1	23	6.4	25	23	15	21	28											
29	45	33	39	2	27	34	26	0	RA SN BR			0.07	28.92	29.92	2.7	26	4.6	24	27	15	27	29											
30	50	30	40	2	20	32	25	0	SN			T	29.07	30.09	2.9	24	4.6	24	29	16	30	30											
31	66	32	49	11	28	39	16	0				0.00	29.02	30.01	3.1	22	4.1	20	19	14	20	31											
										54.6		39.1		46.8		☼	36.9		42.5		18.0		0.0		< MONTHLY AVERAGES TOTALS >								
										8.0		10.2		9.1			<-----DEPARTURE FROM NORMAL----->										-0.10				SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3		
DEGREE DAYS										GREATEST 24-HR PRECIPITATION : 1.07				DATE : 22-23				SEA LEVEL PRESSURE				DATE TIME											
MONTHLY										GREATEST 24-HR SNOWFALL :				DATE :				MAXIMUM :				30.85				08 1124							
TOTAL DEPARTURE										GREATEST SNOW DEPTH :				DATE :				MINIMUM :				29.16				23 0053							
SEASON TO DATE										NUMBER OF ->				MAXIMUM TEMP >= 90 :				0				MINIMUM TEMP <= 32 :				10							
TOTAL DEPARTURE										THUNDERSTORMS :				MAXIMUM TEMP <= 32 :				2				MINIMUM TEMP <= 0 :				0							
HEATING :										PRECIPITATION >= 0.01 INCH :				18				PRECIPITATION >= 0.10 INCH :				10											
COOLING :										SNOWFALL >= 1.0 INCH :																							

**JANUARY 2017
OAK RIDGE, TN**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)
JANUARY 2017

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	0.03	0.02	0.04	0.03	0.01	0.05	0.02	0.01	0.01	0.01	0.01	0.01	01	0.04	T	T						0.01	0.01	0.03	0.01	01	0.35	0.35
02	0.01	0.02	0.02	0.11	0.05	T	0.10	0.07	0.01				02									T	0.01	0.01	02	0.41	0.41	
03			0.02	T	0.02		T	0.01	0.01	0.04	0.02	0.02	03		T	T	0.01	0.10	0.06	0.14				T	03	0.45	0.45	
04													04												T	04	0.00	0.00
05													05					T	T						05	T	T	
06													06	T	T	T									06	0.11	0.11	
07	T	0.01	0.01	T	0.01	T	T	T	0.02	0.03	0.01	0.01	07												07	0.03	0.03	
08													08												08	0.00	0.00	
09													09												09	0.00	0.00	
10													10							T	0.01	0.05	0.01	0.02	10	0.09	0.09	
11	0.03	0.08	0.06	0.10	0.05	0.21	0.07	0.06	0.01	T	0.06	0.04	11	T											11	0.77	0.77	
12						0.01	0.01	0.01	T				12												12	0.03	0.03	
13							T	T	T	T			13		T	0.02				0.01		T	T	13	0.03	0.03		
14													14				T					T		14	T	T		
15			T	T	0.02	0.03				T	0.01	T	15	T										15	0.06	0.06		
16													16				T							16	T	T		
17								T	T	T	T	0.06	0.03	17	0.11	T	0.01	0.02	0.02	0.02	T	0.02	T	0.01	T	0.06	0.36	0.36
18			T										18											T	18	T	T	
19													19		T				T	T	T	T	0.01	T	T	0.01	0.02	0.02
20	0.06	0.03	0.19	0.08									20												20	0.36	0.36	
21													21	0.03	0.02	T									21	0.05	0.05	
22						T	0.04	0.07	0.16	T			22						T	0.01	0.04	T	0.24	0.20	0.28	22	1.04	1.04
23	0.03					T	0.01	0.02	0.02	T	T		23					T	T	0.01	0.02	T		23	0.11	0.11		
24													24												24	0.00	0.00	
25													25						0.08	0.01	T	0.01			25	0.10	0.10	
26													26												26	0.00	0.00	
27													27												27	T	T	
28													28												28	0.00	0.00	
29													29	0.01	T	0.01	T	T						T	0.05	29	0.07	0.07
30	T	T											30												30	T	T	
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)	0.14	0.21	0.23	0.24	0.24	0.26	0.32	0.41	0.45	0.50	0.64	0.74
Ending Date	20	20	20	20	20	23	22	23	22	23	22	23
Ending Time (Hr/Min)	0257	0301	0306	0309	0309	0003	2343	0000	2353	0003	2353	0003

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	GL Glaze
VC In the Vicinity	UP Unkown Precipitation		

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

OAK RIDGE, TN JANUARY 2017

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, TN
Lat/Lon:35.998/-84.2192 Elevation:1019ft
Distance:1.5mi Dir:SW
Augmented Elements:TEMP, PRECIP, SNOW
Equipment:PRECIP-MODEL TRP525M, TEMP-VAISALA HMP 35C, SNOWBOARD, SNOWSTICK

Date	VISIBILITY (MILES)	
	MINIMUM	MAXIMUM
01	1.50	10.00
02	3.00	10.00
03	2.50	10.00
04	10.00	10.00
05	10.00	10.00
06	0.50	10.00
07	4.00	10.00
08	10.00	10.00
09	10.00	10.00
10	5.00	10.00
11	1.00	10.00
12	4.00	10.00
13	0.25	10.00
14	0.25	10.00
15	7.00	10.00
16	0.75	10.00
17	2.00	10.00
18	10.00	10.00
19	6.00	10.00
20	0.50	10.00
21	5.00	10.00
22	2.50	10.00
23	5.00	10.00
24	6.00	10.00
25	0.00	10.00
26	8.00	10.00
27	9.00	10.00
28	10.00	10.00
29	2.00	10.00
30	9.00	10.00
31	10.00	10.00
AVGS	4.99	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
3	13	11

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

JANUARY 2017

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				
SUNRISE: 0747					JAN 01					SUNSET: 1734					SUNRISE: 0748					JAN 07					SUNSET: 1739				
01	OVC	015	5.00	-RA BR	41	38	40	89	3	VR	29.07	30.07	01	OVC	070	10.00			21	14	19	74	3	VR	29.22	30.27			
04	OVC	010	2.50	-RA BR	42	40	41	92	0	00	29.10	30.09	04	OVC	038	6.00	-SN			19	10	17	68	7	VR	29.28	30.33		
07	OVC	004	2.50	BR	42	41	42	96	0	00	29.13	30.13	07	OVC	095	10.00				18	8	15	65	3	02	29.35	30.41		
10	OVC	004	1.50	-RA BR	43	41	42	93	5	07	29.17	30.18	10	CLR	NC	10.00				19	6	16	57	3	VR	29.46	30.51		
13	OVC	005	1.75	-RA BR	46	43	45	89	3	04	29.15	30.15	13	CLR	NC	10.00				24	5	19	44	0	00	29.46	30.51		
16	OVC	007	10.00		48	45	47	89	0	00	29.13	30.12	16	CLR	NC	10.00				28	-0	21	29	6	VR	29.48	30.53		
19	OVC	026	10.00		48	45	47	89	5	07	29.13	30.11	19	CLR	NC	10.00				21	4	17	47	5	08	29.55	30.61		
22	OVC	016	8.00		49	46	48	90	0	00	29.15	30.14	22	CLR	NC	10.00				19	3	15	49	0	00	29.61	30.68		
SUNRISE: 0748					JAN 02					SUNSET: 1734					SUNRISE: 0748					JAN 08					SUNSET: 1739				
01	OVC	012	7.00	-RA	49	47	48	93	0	00	29.14	30.13	01	CLR	NC	10.00				16	2	13	54	0	00	29.64	30.71		
04	OVC	014	4.00	-RA BR	49	47	48	93	0	00	29.15	30.14	04	CLR	NC	10.00				15	2	12	56	7	34	29.68	30.74		
07	OVC	044	3.00	-RA BR	50	48	49	93	0	00	29.17	30.16	07	CLR	NC	10.00				11	3	9	70	0	00	29.71	30.79		
10	OVC	027	10.00		52	50	51	93	0	00	29.20	30.19	10	CLR	NC	10.00				17	5	14	59	0	00	29.77	30.84		
13	CLR	NC	10.00		60	53	56	78	0	00	29.14	30.11	13	CLR	NC	10.00				23	4	18	44	3	VR	29.73	30.80		
16	OVC	032	10.00		60	54	57	80	0	00	29.05	30.02	16	CLR	NC	10.00				27	6	21	41	3	VR	29.70	30.76		
19	OVC	031	10.00		57	54	55	90	0	00	29.03	30.00	19	CLR	NC	10.00				24	8	20	50	3	15	29.70	30.77		
22	OVC	055	9.00		56	53	54	90	3	20	29.01	29.98	22	CLR	NC	10.00				19	10	17	68	0	00	29.70	30.77		
SUNRISE: 0748					JAN 03					SUNSET: 1735					SUNRISE: 0748					JAN 09					SUNSET: 1740				
01	BKN	110	5.00	BR	55	53	54	93	3	14	28.84	29.80	01	BKN	110	10.00				20	13	18	74	0	00	29.66	30.73		
04	OVC	039	6.00	BR	55	53	54	93	0	00	28.85	29.81	04	FEW	120	10.00				21	13	19	71	0	00	29.66	30.72		
07	OVC	010	10.00		58	55	56	90	8	21	28.82	29.78	07	BKN	120	10.00				22	9	18	57	0	00	29.65	30.71		
10	OVC	013	4.00	-RA BR	58	56	57	93	5	VR	28.84	29.81	10	CLR	NC	10.00				26	11	22	53	5	19	29.66	30.72		
13	OVC	019	9.00		61	57	59	87	5	VR	28.81	29.77	13	CLR	NC	10.00				39	11	30	31	9	23	29.57	30.61		
16	BKN	046	6.00	-RA BR	61	57	59	87	6	VR	28.79	29.75	16	CLR	NC	10.00				41	9	31	27	8	22	29.52	30.55		
19	OVC	016	5.00	-RA BR	59	57	58	93	6	VR	28.79	29.75	19	CLR	NC	10.00				35	11	27	37	0	00	29.52	30.55		
22	OVC	024	10.00		58	54	56	87	0	00	28.81	29.76	22	CLR	NC	10.00				38	10	29	31	5	VR	29.49	30.53		
SUNRISE: 0748					JAN 04					SUNSET: 1736					SUNRISE: 0748					JAN 10					SUNSET: 1741				
01	OVC	060	10.00		53	47	50	80	6	VR	28.83	29.80	01	BKN	044	10.00				34	14	28	44	3	VR	29.47	30.48		
04	OVC	060	10.00		49	42	46	77	7	VR	28.89	29.85	04	OVC	046	10.00				37	13	29	37	3	VR	29.42	30.44		
07	OVC	019	10.00		45	39	42	80	5	30	28.97	29.94	07	OVC	050	10.00				37	15	30	41	5	28	29.40	30.42		
10	SCT	023	10.00		44	32	39	63	13	34	29.04	30.01	10	OVC	031	10.00				39	16	31	39	6	27	29.39	30.40		
13	CLR	NC	10.00		44	25	36	47	7	VR	29.06	30.03	13	OVC	050	10.00				45	23	36	42	8	23	29.26	30.27		
16	CLR	NC	10.00		45	19	35	35	0	00	29.03	30.01	16	OVC	060	10.00				47	24	38	41	3	25	29.20	30.20		
19	CLR	NC	10.00		37	15	30	41	0	00	29.07	30.07	19	OVC	038	10.00				48	28	40	46	6	25	29.18	30.19		
22	CLR	NC	10.00		31	20	27	64	0	00	29.07	30.07	22	OVC	034	5.00	-RA BR			44	41	43	89	3	23	29.24	30.24		
SUNRISE: 0748					JAN 05					SUNSET: 1737					SUNRISE: 0748					JAN 11					SUNSET: 1742				
01	CLR	NC	10.00		28	21	26	75	0	00	29.06	30.07	01	OVC	013	3.00	-RA BR			46	44	45	93	0	00	29.25	30.24		
04	OVC	110	10.00		29	19	26	66	3	05	29.01	30.02	04	OVC	025	1.25	RA BR			47	45	46	93	0	00	29.27	30.26		
07	OVC	110	10.00		31	17	26	56	5	05	29.06	30.07	07	OVC	010	1.75	-RA BR			48	46	47	93	0	00	29.26	30.25		
10	OVC	090	10.00		32	17	27	54	3	VR	29.03	30.05	10	OVC	015	1.00	BR			49	47	48	93	0	00	29.28	30.28		
13	OVC	095	10.00		35	19	29	52	0	00	28.98	29.99	13	OVC	006	3.00	BR			50	48	49	93	0	00	29.22	30.22		
16	OVC	080	10.00		37	19	31	48	0	00	28.91	29.93	16	OVC	024	6.00	BR			54	51	52	90	0	00	29.18	30.16		
19	OVC	050	10.00		36	21	31	55	0	00	28.98	29.99	19	OVC	032	10.00				58	53	55	84	6	VR	29.20	30.18		
22	OVC	042	10.00		35	24	31	64	0	00	28.99	30.01	22	BKN	070	9.00				55	53	54	93	0	00	29.19	30.17		
SUNRISE: 0748					JAN 06					SUNSET: 1738					SUNRISE: 0747					JAN 12					SUNSET: 1743				
01	OVC	024	10.00		32	23	29	69	7	07	29.03	30.03	01	OVC	050	10.00				55	52	53	90	0	00	29.19	30.17		
04	OVC	022	10.00		31	22	28	69	3	VR	29.05	30.06	04	OVC	043	10.00				56	52	54	87	3	21	29.22	30.20		
07	OVC	026	10.00		28	18	25	66	7	07	29.08	30.10	07	OVC	031	7.00	-RA			57	55	56	93	3	25	29.26	30.23		
10	VV	013	0.50	SN FZFG	25	21	24	85	3	VR	29.16	30.19	10	OVC	037	10.00				60	54	57	80	6	VR	29.31	30.28		
13	OVC	100	9.00	-SN	27	19	24	72	6	VR	29.15	30.18	13	OVC	075	10.00				64	54	58	70	8	22	29.28	30.24		
16	OVC	090	10.00		28	19	25	69	5	VR	29.19	30.22	16	OVC	032	10.00				66	54	59	65	5	VR	29.28	30.24		
19	CLR	NC	10.00		24	14	21	65	5	VR	29.19	30.23	19	OVC	027	10.00				64	55	59	73	0	00	29.33	30.29		
22	OVC	021	1.25	-SN	22	15	20	75	6	04	29.21	30.25	22	BKN	085	10.00				58	54	56	87	3	22	29.36	30.33		

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

JANUARY 2017

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F					WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F					WIND		PRESSURE (INCHES, HG)																																																																																																																																																																																					
					DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL	DRY BULB						DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL																																																																																																																																																																																						
																										DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL																																																																																																																																																																														
SUNRISE: 0747					JAN 13					SUNSET: 1744					SUNRISE: 0745					JAN 19					SUNSET: 1750																																																																																																																																																																																						
01	OVC	080	10.00		58	54	56	87	0	00	29.37	30.33	01	CLR	NC	10.00		46	41	44	83	0	00	29.13	30.11	04	CLR	NC	10.00		42	39	41	89	0	00	29.13	30.11	07	OVC	025	10.00	-RA	58	55	56	90	3	25	29.45	30.42	07	CLR	NC	10.00		44	40	42	85	0	00	29.10	30.09	10	OVC	010	10.00		58	54	56	87	3	VR	29.52	30.49	10	OVC	038	10.00		49	40	45	71	6	07	29.10	30.09	13	OVC	016	10.00		60	53	56	78	0	00	29.49	30.47	13	OVC	032	10.00		53	42	48	66	5	07	29.05	30.03	16	OVC	020	10.00		60	57	58	90	3	06	29.49	30.46	16	OVC	037	10.00		56	44	50	65	3	04	28.97	29.95	19	OVC	080	7.00		58	56	57	93	0	00	29.49	30.48	19	OVC	070	10.00		54	45	49	72	3	VR	28.92	29.90	22	OVC	033	1.25	BR	57	55	56	93	0	00	29.52	30.50	22	BKN	090	10.00		52	47	49	83	0	00	28.87	29.85													
SUNRISE: 0747					JAN 14					SUNSET: 1745					SUNRISE: 0745					JAN 20					SUNSET: 1751																																																																																																																																																																																						
01	OVC	018	1.50	BR	56	54	55	93	0	00	29.49	30.46	01	OVC	095	6.00	-RA BR	51	48	49	89	0	00	28.82	29.79	04	BKN	110	10.00		53	50	51	89	6	18	28.80	29.77	04	BKN	110	10.00		53	50	51	89	6	18	28.80	29.77	07	VV	003	0.25	FG	53	52	52	96	0	00	29.48	30.46	07	OVC	006	9.00		53	51	52	93	0	00	29.48	30.46	10	VV	002	0.75	BR	56	54	55	93	0	00	29.49	30.47	10	VV	003	0.50	FG	56	54	55	93	0	00	29.49	30.47	13	BKN	008	10.00		63	58	60	84	3	VR	29.42	30.39	13	BKN	055	10.00		63	57	61	71	3	22	29.38	30.34	16	OVC	090	10.00		67	57	61	71	3	22	29.38	30.34	16	CLR	NC	10.00		64	57	60	78	0	00	29.37	30.34	19	OVC	095	10.00		62	57	59	84	0	00	29.37	30.34	19	CLR	NC	10.00		62	57	59	84	0	00	29.37	30.34	22	OVC	070	10.00		62	57	59	84	0	00	29.37	30.34	22	CLR	NC	10.00		62	57	59	84	0	00	29.37	30.34
SUNRISE: 0747					JAN 15					SUNSET: 1746					SUNRISE: 0745					JAN 21					SUNSET: 1752																																																																																																																																																																																						
01	OVC	085	10.00		61	56	58	84	5	21	29.35	30.31	01	CLR	NC	10.00		51	48	49	89	0	00	28.87	29.84	04	CLR	NC	10.00		59	55	57	87	0	00	29.34	30.30	04	CLR	NC	10.00		50	47	48	89	3	26	28.88	29.84	07	OVC	009	10.00		57	54	55	90	0	00	29.35	30.32	07	OVC	023	10.00		50	48	49	93	0	00	28.85	29.82	10	OVC	007	8.00	-RA	56	53	54	90	0	00	29.37	30.34	10	OVC	004	10.00		52	49	50	89	0	00	28.85	29.81	13	OVC	011	10.00		60	55	57	84	0	00	29.32	30.29	13	OVC	070	5.00	-RA BR	60	55	57	84	0	00	29.32	30.29	16	OVC	070	10.00		64	55	59	73	3	VR	29.27	30.24	16	CLR	NC	10.00		64	55	59	73	3	VR	29.27	30.24	19	BKN	070	10.00		59	55	57	87	0	00	29.28	30.26	19	OVC	070	10.00		59	55	57	87	0	00	29.28	30.26	22	BKN	065	10.00		56	53	54	90	0	00	29.30	30.27	22	OVC	037	9.00		56	53	54	90	0	00	29.30	30.27
SUNRISE: 0746					JAN 16					SUNSET: 1747					SUNRISE: 0744					JAN 22					SUNSET: 1753																																																																																																																																																																																						
01	FEW	065	8.00		53	51	52	93	3	09	29.28	30.25	01	OVC	042	9.00		51	49	50	92	3	06	28.68	29.64	04	OVC	007	10.00		55	52	53	90	0	00	29.28	30.25	04	BKN	041	10.00		51	49	50	92	0	00	28.63	29.58	07	OVC	003	9.00		55	53	54	93	0	00	29.31	30.29	07	OVC	075	7.00	-RA	49	47	48	93	0	00	28.55	29.50	10	OVC	005	10.00		56	53	54	90	0	00	29.35	30.33	10	OVC	042	9.00		52	50	51	93	0	00	28.56	29.52	13	OVC	080	10.00		60	53	56	78	0	00	29.31	30.29	13	OVC	050	10.00		62	54	57	75	5	23	28.48	29.43	16	OVC	085	10.00		63	53	57	70	0	00	29.24	30.21	16	OVC	075	10.00		65	53	58	66	0	00	28.40	29.34	19	CLR	NC	10.00		57	53	55	87	0	00	29.24	30.21	19	OVC	090	10.00	-RA	59	54	56	83	6	04	28.34	29.28	22	BKN	070	8.00		54	51	52	90	0	00	29.22	30.19	22	OVC	060	3.00	+RA BR	56	54	55	93	6	04	28.26	29.20
SUNRISE: 0746					JAN 17					SUNSET: 1748					SUNRISE: 0744					JAN 23					SUNSET: 1754																																																																																																																																																																																						
01	CLR	NC	8.00		53	51	52	93	3	20	29.18	30.16	01	BKN	120	10.00		56	53	54	90	6	VR	28.23	29.16	04	OVC	036	10.00		57	53	55	87	3	VR	29.16	30.12	04	OVC	044	10.00		54	51	52	90	0	00	28.27	29.20	07	OVC	035	8.00		56	53	54	90	0	00	29.14	30.12	07	OVC	042	10.00		50	47	48	89	0	00	28.31	29.26	10	OVC	070	7.00	-RA	58	54	56	87	3	VR	29.16	30.13	10	OVC	075	10.00		52	49	50	89	5	20	28.40	29.36	13	OVC	019	3.00	-RA BR	59	56	57	90	0	00	29.12	30.08	13	OVC	043	10.00		58	47	52	67	7	31	28.47	29.42	16	OVC	020	4.00	-RA BR	61	58	59	90	5	27	29.08	30.04	16	BKN	037	10.00		56	44	50	65	10	32	28.52	29.47	19	OVC	031	5.00	-RA BR	62	60	61	93	6	VR	29.10	30.07	19	OVC	029	10.00	-RA	50	44	47	80	5	25	28.66	29.63	22	OVC	030	9.00		63	60	61	90	7	VR	29.09	30.05	22	OVC	034	10.00		46	42	44	86	6	VR	28.74	29.72
SUNRISE: 0746					JAN 18					SUNSET: 1749					SUNRISE: 0743					JAN 24					SUNSET: 1755																																																																																																																																																																																						
01	OVC	033	10.00		59	52	55	78	6	VR	29.10	30.07	01	OVC	024	10.00		44	39	42	83	8	22	28.77	29.75	04	OVC	060	10.00		56	48	52	75	7	VR	29.10	30.07	04	OVC	014	10.00		43	39	41	86	6	26	28.81	29.78	07	CLR	NC	10.00		50	43	47	77	3	22	29.17	30.15	07	OVC	017	10.00		43	38	41	82	3	VR	28.89	29.87	10	CLR	NC	10.00		53	43	48	69	0	00	29.22	30.20	10	OVC	021	10.00		44	37	41	76	7	27	28.96	29.94	13	CLR	NC	10.00		58	41	50	53	3	19	29.19	30.16	13	BKN	026	10.00		50	36	44	59	3	VR	28.93	29.91	16	CLR	NC	10.00		60	41	50	50	0	00	29.13	30.10	16	CLR	NC	10.00		53	36	45	52	5	VR	28.89	29.87	19	CLR	NC	10.00		53	42	48	66	0	00	29.14	30.13	19	CLR	NC	10.00		46	35	41	66	0	00	28.94	29.93	22	CLR	NC	10.00		49	43	46	80	0	00	29.16	30.14	22	CLR	NC	10.00		40	35	38	83	0	00	28.94	29.93

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

JANUARY 2017

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
SUNRISE: 0742					JAN 25			SUNSET: 1756				
01	FEW	002	10.00		36	33	35	89	0	00	28.92	29.91
04	VV	002	0.25	FG	34	31	33	89	0	00	28.94	29.93
07	VV	002	0.25	FG	34	32	33	92	0	00	28.94	29.94
10	OVC	002	0.50	FG	38	36	37	93	0	00	28.93	29.93
13	CLR	NC	10.00		58	39	49	50	6	VR	28.84	29.83
16	OVC	034	10.00		62	43	52	50	5	26	28.78	29.75
19	OVC	090	8.00	-RA	57	52	54	83	3	23	28.77	29.75
22	OVC	032	9.00		56	54	55	93	3	VR	28.76	29.73
SUNRISE: 0742					JAN 26			SUNSET: 1757				
01	OVC	080	8.00		57	55	56	93	3	22	28.73	29.67
04	OVC	100	10.00		55	43	49	64	15	26	28.74	29.70
07	CLR	NC	10.00		47	32	40	56	5	VR	28.85	29.82
10	FEW	035	10.00		42	27	36	55	10	26	28.97	29.95
13	SCT	038	10.00		43	25	36	49	10	27	29.00	29.98
16	CLR	NC	10.00		45	24	37	44	9	26	29.02	30.00
19	BKN	043	10.00		42	24	35	49	7	27	29.07	30.06
22	BKN	040	10.00		41	23	34	49	6	29	29.10	30.09
SUNRISE: 0741					JAN 27			SUNSET: 1758				
01	OVC	040	10.00		40	24	34	53	6	26	29.09	30.08
04	OVC	036	10.00		38	24	33	57	7	26	29.07	30.06
07	OVC	037	10.00		36	22	31	57	7	27	29.07	30.07
10	OVC	034	9.00	-SN	36	24	32	62	6	VR	29.10	30.10
13	OVC	048	10.00		38	22	32	52	14	26	29.08	30.08
16	OVC	044	10.00		37	19	31	48	7	27	29.07	30.07
19	OVC	048	10.00		36	18	30	48	0	00	29.09	30.09
22	OVC	070	10.00		34	21	29	59	0	00	29.07	30.08
SUNRISE: 0741					JAN 28			SUNSET: 1759				
01	OVC	055	10.00		34	23	30	64	0	00	29.03	30.04
04	FEW	042	10.00		35	22	30	59	8	24	29.05	30.06
07	CLR	NC	10.00		30	18	26	61	5	23	29.06	30.08
10	CLR	NC	10.00		36	19	30	50	6	23	29.08	30.09
13	CLR	NC	10.00		47	20	37	34	10	22	28.98	29.98
16	CLR	NC	10.00		51	15	38	24	10	22	28.89	29.88
19	BKN	080	10.00		47	19	36	33	7	22	28.91	29.91
22	OVC	090	10.00		47	19	36	33	7	VR	28.92	29.91
SUNRISE: 0740					JAN 29			SUNSET: 1800				
01	BKN	080	10.00		43	22	35	43	7	27	28.94	29.93
04	BKN	070	10.00		41	24	34	51	0	00	28.91	29.89
07	OVC	055	10.00		40	25	34	55	0	00	28.90	29.89
10	OVC	060	10.00		41	26	35	55	3	VR	28.91	29.90
13	OVC	024	10.00	-RA	39	33	36	79	5	VR	28.90	29.89
16	OVC	095	10.00		41	33	38	73	8	27	28.87	29.86
19	OVC	050	10.00		37	27	33	67	5	VR	28.97	29.97
22	OVC	060	10.00		37	26	33	65	7	28	28.99	29.99
SUNRISE: 0739					JAN 30			SUNSET: 1801				
01	OVC	070	9.00		33	26	30	75	8	25	29.02	30.02
04	BKN	070	10.00		31	19	27	61	3	VR	29.05	30.05
07	BKN	045	10.00		31	19	27	61	5	21	29.09	30.10
10	CLR	NC	10.00		36	22	31	57	5	22	29.14	30.15
13	FEW	044	10.00		42	21	34	43	3	VR	29.13	30.13
16	CLR	NC	10.00		49	12	36	22	10	26	29.09	30.09
19	CLR	NC	10.00		45	20	36	37	0	00	29.08	30.08
22	CLR	NC	10.00		36	24	32	62	0	00	29.06	30.06

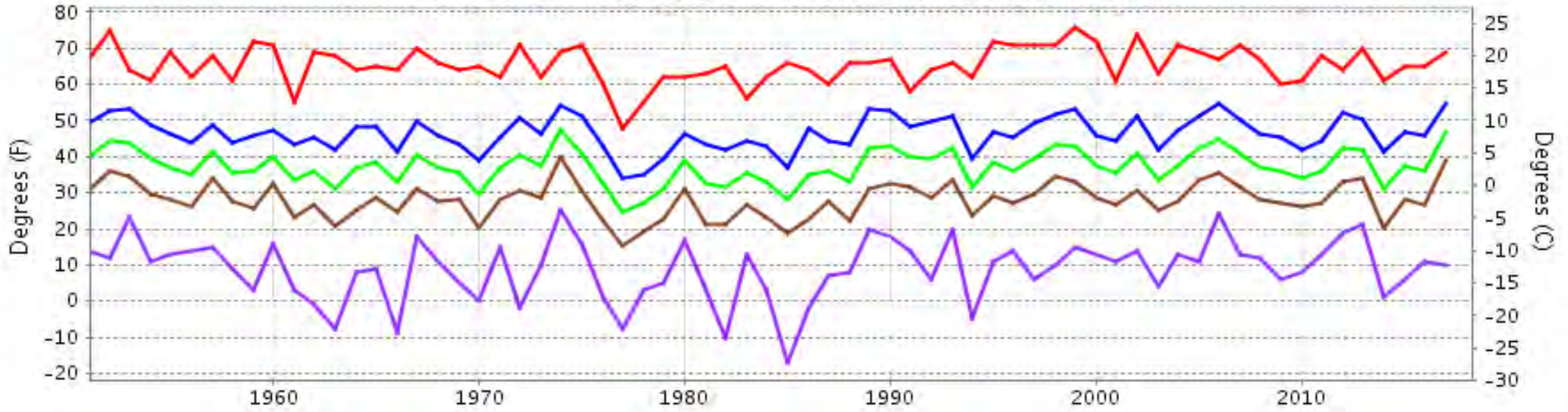
HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0738					JAN 31			SUNSET: 1802				
01	CLR	NC	10.00		35	24	31	64	5	22	29.03	30.03
04	CLR	NC	10.00		33	25	30	72	3	23	29.00	30.00
07	CLR	NC	10.00		34	27	31	76	6	21	29.01	30.01
10	CLR	NC	10.00		46	32	40	58	6	VR	29.05	30.05
13	CLR	NC	10.00		59	33	47	38	9	22	29.02	30.00
16	CLR	NC	10.00		66	26	48	22	8	21	28.97	29.95
19	CLR	NC	10.00		55	28	43	35	0	00	29.04	30.02
22	CLR	NC	10.00		46	31	40	56	0	00	29.04	30.02

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	44	38	42	79	29.08	30.07	8.69	3	2	29
02	44	37	41	79	29.08	30.06	8.41	2	3	29
03	44	37	41	79	29.09	30.07	8.33	3	3	29
04	43	37	41	78	29.08	30.07	8.40	3	4	28
05	43	36	40	77	29.09	30.07	8.43	3	4	28
06	43	36	40	77	29.09	30.08	8.23	3	2	29
07	42	36	40	78	29.10	30.10	8.31	2	2	29
08	42	36	40	78	29.11	30.11	7.91	2	3	29
09	43	36	40	78	29.13	30.12	7.28	3	2	29
10	45	37	41	75	29.14	30.13	7.80	4	3	29
11	47	37	43	70	29.15	30.14	8.64	4	4	28
12	48	37	44	67	29.13	30.12	8.87	5	4	28
13	50	37	44	64	29.10	30.09	9.06	4	4	28
14	51	37	45	62	29.08	30.06	9.16	5	3	28
15	52	37	46	60	29.06	30.05	9.65	5	3	28
16	53	36	46	58	29.07	30.05	9.55	4	4	28
17	52	36	45	59	29.07	30.06	9.84	5	2	29
18	50	37	45	63	29.08	30.06	9.48	4	2	28
19	49	37	44	67	29.08	30.08	9.52	3	1	31
20	47	38	44	72	29.09	30.08	9.48	2	2	30
21	47	38	43	74	29.09	30.09	9.35	3	1	32
22	46	38	43	76	29.09	30.08	8.76	2	2	31
23	45	38	43	77	29.09	30.08	8.69	2	4	29
24	45	38	42	78	29.09	30.08	8.97	3	4	28

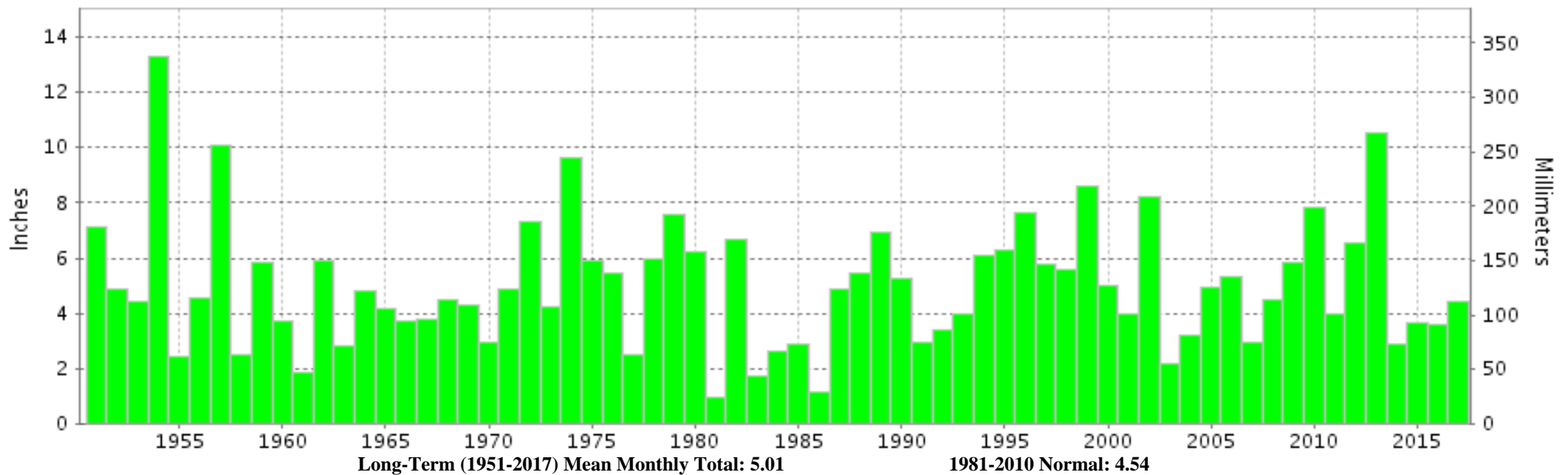
OAK RIDGE, TN JANUARY Temperatures



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

Long-Term (1951-2017) Mean: 37.3
1981-2010 Normal: 37.7

OAK RIDGE, TN JANUARY Precipitation



Long-Term (1951-2017) Mean Monthly Total: 5.01 1981-2010 Normal: 4.54



JANUARY 2017
OAK RIDGE, TN

LOCAL CLIMATOLOGICAL DATA

NOAA, National Centers for Environmental Information

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 Centers for Environmental Information (NCEI), Asheville, North Carolina 28801.

A handwritten signature in black ink that reads "Margarita FieSS".

DIRECTOR (ACTING)

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