



JANUARY 2013 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			
																			SPEED 20	DIR 21	SPEED 22	DIR 23		
01	46	39	43	6	40	41	22	0	RA BR			1.09	29.08	30.07	0.7	23	1.3	10	27	7	30	01		
02	42	36	39	2	31	35	26	0	RA			T	29.15	30.17	1.5	02	2.6	13	36	8	07	02		
03	45	28	37	0	26	32	28	0				0.00	29.26	30.30	0.3	15	0.6	9	21	7	20	03		
04	45	24	35	-2	22	29	30	0				0.00	29.41	30.45	0.3	19	0.6	10	02	7	26	04		
05	46	23	35	-2	24	31	30	0	RA			0.03	29.37	30.39	0.3	05	0.4	9	21	8	07	05		
06	48	37	43	7	33	38	22	0	RA BR			0.03	29.23	30.25	1.9	23	3.5	17	21	13	21	06		
07	51	28	40	4	26	32	25	0				0.00	29.37	30.40	1.5	06	2.3	15	05	12	07	07		
08	54	24	39	3	29	34	26	0	FG+ FZFG BR			0.00	29.34	30.38			0.0	8	05	6	04	08		
09	49	36	43	7	41	43	22	0	RA BR			0.13	29.41	30.44	1.0	05	1.2	9	05	7	07	09		
10	62	48	55	19	48	50	10	0	BR			0.00	29.41	30.37	1.7	05	2.1	12	07	8	06	10		
11	68	49	59	23	56	58	6	0	RA BR			0.03	29.13	30.10	4.1	21	4.9	24	21	16	20	11		
12	70*	61	66*	30	61	63	0	1	RA BR			0.05	29.10	30.05	1.9	21	2.6	15	20	10	20	12		
13	67	54	61	25	57	60	4	0	RA FG BR			1.22	29.03	29.98	3.0	22	3.7	20	22	13	20	13		
14	54	36	45	9	39	41	20	0	RA BR			1.22	29.20	30.20	2.7	05	3.5	14	04	9	05	14		
15	43	37	40	4	38	39	25	0	RA BR			2.17	29.13	30.13	2.7	06	3.6	14	07	10	07	15		
16	46	39	43	7	40	41	22	0	RA BR			0.63	29.05	30.04	0.3	17	1.4	16	28	9	02	16		
17	42	30	36	0	31	35	29	0	RA SN BR UP			0.60	29.08	30.12	4.5	04	5.6	25	04	13	02	17		
18	47	25	36	0	26	31	29	0	BR			0.00	29.47	30.52	0.6	09	1.2	13	07	8	06	18		
19	53	26	40	4	27	33	25	0	FG+ FZFG BR			0.00	29.36	30.37	1.5	23	2.7	20	20	13	21	19		
20	58	30	44	7	27	36	21	0				0.00	29.19	30.19	1.3	23	2.6	16	25	9	25	20		
21	46	26	36	-1	16	29	29	0	BR			0.00	29.16	30.19	4.1	26	4.6	29	27	15	26	21		
22	35	21*	28*	-9	0	21	37	0				0.00	29.31	30.36	1.3	24	2.8	15	24	9	26	22		
23	46	22	34	-3	11	27	31	0				0.00	29.31	30.32	2.1	22	3.0	16	26	10	20	23		
24	40	27	34	-3	10	27	31	0				0.00	29.33	30.38	3.1	02	5.3	22	08	14	08	24		
25	33	26	30	-7	23	28	35	0	RA FZRA BR UP			0.54	29.25	30.26	1.6	24	3.0	21	26	12	26	25		
26	45	31	38	1	31	34	27	0	FG BR			0.00	29.28	30.33	0.8	07	1.0	10	06	7	07	26		
27	46	27	37	0	30	35	28	0	RA BR			0.02	29.41	30.42	0.9	06	0.9	9	06	7	08	27		
28	53	42	48	11	40	44	17	0	RA			T	29.33	30.32	2.4	24	3.4	15	25	9	26	28		
29	62	47	55	18	49	51	10	0	RA BR HZ			T	29.15	30.10	2.0	22	2.4	10	25	6	23	29		
30	69	40	55	17	51	53	10	0	RA FG BR			2.75	28.69	29.63	5.6	21	7.0	39*	26	23*	28	30		
31	43	34	39	1	22	32	26	0	RA SN			T	28.98	30.02	5.7	25	7.8	32	26	18	28	31		
50.1		34.0	42.0	☼	32.4	38.2	22.7	0.0	< MONTHLY AVERAGES TOTALS >				10.51	29.22	30.23	0.6	23	2.8	< MONTHLY AVERAGES					
3.5		5.1	4.3		-----DEPARTURE FROM NORMAL ----->				5.97	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3														
DEGREE DAYS									GREATEST 24-HR PRECIPITATION : 2.75				DATE : 30	SEA LEVEL PRESSURE				DATE		TIME				
MONTHLY									GREATEST 24-HR SNOWFALL :				DATE :	MAXIMUM :				30.59		18		1053		
TOTAL DEPARTURE									GREATEST SNOW DEPTH :				DATE :	MINIMUM :				29.52		30		1526		
SEASON TO DATE									NUMBER OF ->				MAXIMUM TEMP >= 90 : 0		MINIMUM TEMP <= 32 : 16		PRECIPITATION >= 0.01 INCH : 14							
TOTAL DEPARTURE									THUNDERSTORMS : 0				MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH : 9							
HEATING : 703 -142 2061 -251													THUNDERSTORMS : 0		HEAVY FOG : 2		SNOWFALL >= 1.0 INCH :							
COOLING : 1 1 1 1																								

JANUARY 2013
OAK RIDGE, TN

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)
JANUARY 2013

WBAN # 53868

Date	FOR HOUR (LST) ENDING AT												Date	FOR HOUR (LST) ENDING AT												Date	Sum of Hourly Data	2400 LST Water Equiv.
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			
01	T	0.01	0.03	0.08	0.15	0.12	0.08	0.04	0.07	0.07	0.04	T	01	0.02	0.03	0.07	0.04	0.04	0.03	0.05	0.05	0.01	0.04	T	0.02	01	1.09	1.09
02	T												02													02	T	T
03													03													03	0.00	0.00
04													04													04	0.00	0.00
05													05							T	T	0.02	T	0.01	05	0.03	0.03	
06	0.02	0.01											06												06	0.03	0.03	
07													07												07	0.00	0.00	
08													08												08	0.00	0.00	
09										T	0.01	0.03	0.04	09	0.01	0.02	0.02								09	0.13	0.13	
10													10												10	0.00	0.00	
11													11	T											11	0.03	0.03	
12	0.04	T			T	0.01	0.01	T	T	T	0.01	T	12	T									T	T	12	0.05	0.05	
13													13	0.04	T	T				T	0.18	0.48	0.24	0.12	0.10	13	1.22	1.22
14	0.04	0.02	0.04	0.02	0.01	0.01							14	0.01	0.06	0.10	0.06	0.19	0.11	0.10	0.16	0.12	0.05	0.04	0.05	14	1.22	1.22
15	0.03	0.01	0.05	0.10	0.14	0.12	0.13	0.03	0.01				15	T	0.06	0.02	0.12	0.25	0.09	0.17	0.09	0.12	0.15	0.28	0.15	15	2.17	2.17
16	0.13	0.06	0.01	0.01	0.20	0.07	T	T					16	0.03	0.02	T	T	0.02	0.01	0.06	T				16	0.63	0.63	
17	T	T	0.01	T	T			T	0.01	0.14	0.16	0.08	17	0.09	0.02	0.04	0.03	0.02							17	0.60	0.60	
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													22												22	0.00	0.00	
23													23												23	0.00	0.00	
24													24												24	0.00	0.00	
25					0.01	0.04	0.05	0.02	0.03	0.01	0.09	0.22	25	0.06	T		T	0.01							25	0.54	0.54	
26													26												26	0.00	0.00	
27													27												27	0.02	0.02	
28													28												28	T	T	
29													29	T	T	T									29	T	T	
30				T	T	T		0.02	0.40	0.82	0.16	0.28	30	0.34	0.16	0.16	0.13	0.15	0.04	T	T	0.01	0.07	T	0.01	30	2.75	2.75
31	T	T											31												31	T	T	

* 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)	0.18	0.30	0.43	0.58	0.75	0.90	1.08	1.22	1.24	1.28	1.41	1.54
Ending Date	30	30	30	30	30	30	30	30	30	30	30	30
Ending Time (Hr/Min)	0853	0859	0903	0909	0919	0934	0945	0953	1018	1036	1110	1140

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 1981-2010

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 2013

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
 Beginning with the January 2013 LCD, monthly mean temperature calculations have changed to the National Data Stewardship Team standard. Monthly maximum and minimum temperature are not rounded until after monthly mean temperature is calculated. This is the most accurate outcome, but may be slightly different from the mean derived from rounded monthly maximum and minimum.

Date	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			Sky Cover	Satellite	Sky Cover	Satellite			
01							2.50	10.00	
02							10.00	10.00	
03							10.00	10.00	
04							8.00	10.00	
05							7.00	10.00	
06							5.00	10.00	
07							8.00	10.00	
08							0.25	10.00	
09							1.75	10.00	
10							6.00	10.00	
11							5.00	10.00	
12							4.00	10.00	
13							1.25	10.00	
14							4.00	10.00	
15							2.00	10.00	
16							2.50	10.00	
17							2.00	10.00	
18							4.00	10.00	
19							0.25	10.00	
20							10.00	10.00	
21							8.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							1.75	10.00	
26							0.50	10.00	
27							5.00	10.00	
28							8.00	10.00	
29							2.00	8.00	
30							0.75	10.00	
31							10.00	10.00	
MONTHLY AVGS							5.15	9.94	
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				
2		12			12				

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

JANUARY 2013 KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)																				
			Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL																			
															Observation Time (LST)	Eff Cld Amt Oktas	DRY BULB	DEW POINT	WET BULB	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL										
SUNRISE: 0747							JAN 01							SUNSET: 1734																			
01	OVC	050			10.00	-RA	41	33	38	73	0	00	29.12	30.11	04	CLR	NC			10.00													
04	OVC	028			3.00	RA BR	39	37	38	93	0	00	29.13	30.12	07	CLR	NC			10.00													
07	OVC	028			3.00	RA BR	39	37	38	93	0	00	29.13	30.14	10	CLR	NC			10.00													
10	OVC	037			2.50	-RA BR	40	39	40	96	3	17	29.10	30.11	13	CLR	NC			10.00													
13	OVC	014			5.00	-RA BR	45	42	44	89	0	00	29.04	30.03	16	CLR	NC			10.00													
16	OVC	021			6.00	-RA BR	46	43	45	89	0	00	29.03	30.02	19	CLR	NC			10.00													
19	OVC	006			4.00	-RA BR	46	44	45	93	0	00	29.05	30.04	22	CLR	NC			10.00													
22	OVC	006			9.00	-RA	43	42	43	96	0	00	29.04	30.03	SUNRISE: 0748							JAN 02							SUNSET: 1734				
01	OVC	043			10.00		40	37	39	89	3	02	29.08	30.07	01	CLR	NC			10.00													
04	OVC	020			10.00		39	35	37	86	0	00	29.10	30.10	04	CLR	NC			8.00													
07	OVC	031			10.00		37	32	35	82	3	36	29.15	30.15	07	VV	001			0.25	FZFG												
10	OVC	015			10.00		37	31	35	79	3	VR	29.19	30.20	10	BKN	037			6.00	BR												
13	OVC	023			10.00		39	31	36	73	5	VR	29.17	30.18	13	BKN	037			10.00													
16	OVC	028			10.00		39	30	35	70	5	03	29.17	30.18	16	CLR	NC			10.00													
19	OVC	024			10.00		36	29	33	76	0	00	29.19	30.20	19	CLR	NC			10.00													
22	OVC	024			10.00		37	29	34	73	0	00	29.21	30.22	22	CLR	NC			10.00													
SUNRISE: 0748							JAN 03							SUNSET: 1735																			
01	OVC	024			10.00		36	30	34	79	0	00	29.21	30.22	01	FEW	032			10.00													
04	OVC	028			10.00		35	28	32	76	0	00	29.21	30.23	04	OVC	060			10.00													
07	OVC	014			10.00		35	29	33	79	0	00	29.25	30.27	07	OVC	070			10.00													
10	CLR	NC			10.00		35	27	32	73	3	06	29.29	30.31	10	OVC	022			6.00	-RA												
13	CLR	NC			10.00		40	24	34	53	0	00	29.28	30.29	13	OVC	060			2.50	-RA BR												
16	CLR	NC			10.00		44	22	36	42	5	19	29.28	30.29	16	OVC	012			5.00	BR												
19	CLR	NC			10.00		36	25	32	64	0	00	29.34	30.36	19	OVC	009			5.00	BR												
22	CLR	NC			10.00		30	24	28	78	0	00	29.36	30.39	22	OVC	049			6.00	BR												
SUNRISE: 0748							JAN 04							SUNSET: 1736																			
01	CLR	NC			10.00		27	23	26	85	0	00	29.39	30.42	01	OVC	018			9.00													
04	CLR	NC			10.00		27	22	25	81	0	00	29.39	30.41	04	BKN	060			8.00													
07	CLR	NC			10.00		25	21	24	85	0	00	29.42	30.45	07	SCT	070			6.00	BR												
10	CLR	NC			10.00		32	25	29	75	0	00	29.47	30.50	10	OVC	048			10.00													
13	OVC	110			10.00		40	22	33	49	6	17	29.43	30.45	13	OVC	042			10.00													
16	CLR	NC			10.00		44	22	36	42	6	21	29.39	30.41	16	SCT	090			10.00													
19	CLR	NC			10.00		37	20	31	50	0	00	29.42	30.45	19	OVC	100			10.00													
22	CLR	NC			10.00		30	22	27	72	0	00	29.44	30.47	22	OVC	080			10.00													
SUNRISE: 0748							JAN 05							SUNSET: 1737																			
01	CLR	NC			10.00		27	22	25	81	3	05	29.43	30.46	01	CLR	NC			10.00													
04	CLR	NC			9.00		24	21	23	88	0	00	29.42	30.44	04	OVC	040			10.00													
07	CLR	NC			9.00		24	21	23	88	0	00	29.43	30.46	07	OVC	050			9.00													
10	CLR	NC			10.00		31	27	30	85	0	00	29.43	30.45	10	OVC	029			10.00	-RA												
13	CLR	NC			10.00		43	22	35	43	0	00	29.36	30.38	13	OVC	018			10.00													
16	OVC	095			10.00		45	22	36	40	0	00	29.29	30.31	16	OVC	048			10.00													
19	OVC	070			10.00		44	24	36	45	0	00	29.28	30.30	19	BKN	048			10.00													
22	OVC	041			10.00	-RA	40	33	37	76	0	00	29.31	30.33	22	OVC	012			10.00													
SUNRISE: 0748							JAN 06							SUNSET: 1738																			
01	OVC	080			6.00	-RA BR	38	35	37	89	0	00	29.28	30.29	01	OVC	006			4.00	-RA BR												
04	OVC	009			9.00		39	36	38	89	0	00	29.26	30.26	04	OVC	010			9.00													
07	OVC	007			8.00		39	36	38	89	0	00	29.24	30.24	07	OVC	021			10.00													
10	OVC	032			6.00	BR	40	37	39	89	3	20	29.26	30.27	10	OVC	010			10.00													
13	BKN	035			10.00		44	34	40	68	8	21	29.20	30.21	13	OVC	100			10.00													
16	CLR	NC			10.00		47	33	41	58	8	21	29.16	30.16	16	SCT	046			10.00													
19	OVC	055			10.00		46	30	39	54	0	00	29.22	30.22	19	BKN	050			10.00													
22	SCT	042			10.00		42	27	36	55	3	34	29.31	30.31	22	CLR	NC			10.00													

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

JANUARY 2013

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)		
			Observation Time (LST)	Eff Cl'd Amt Oktas			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0742 JAN 25 SUNSET: 1756														
01	CLR	NC			10.00		28	3	21	34	3	04	29.38	30.41
04	OVC	055			10.00		29	5	22	36	0	00	29.32	30.35
07	OVC	038			6.00	-FZRA	27	21	25	78	0	00	29.27	30.31
10	OVC	034			5.00	UP	29	24	27	82	3	23	29.20	30.24
13	OVC	017			7.00	UP	32	29	31	89	7	25	29.18	30.21
16	OVC	007			1.75	BR	32	30	31	92	5	VR	29.14	30.16
19	OVC	005			4.00	BR	33	31	32	92	3	VR	29.18	30.21
22	OVC	003			2.00	BR	33	32	33	96	0	00	29.20	30.23
SUNRISE: 0742 JAN 26 SUNSET: 1757														
01	CLR	NC			4.00	BR	33	31	32	92	0	00	29.22	30.24
04	OVC	003			1.00	BR	33	31	32	92	0	00	29.26	30.28
07	VV	002			0.75	BR	32	30	31	92	0	00	29.29	30.31
10	BKN	010			6.00	BR	33	31	32	92	0	00	29.33	30.35
13	BKN	017			10.00		39	33	37	79	0	00	29.32	30.35
16	CLR	NC			10.00		44	32	39	63	0	00	29.31	30.32
19	CLR	NC			10.00		37	31	35	79	0	00	29.34	30.36
22	CLR	NC			8.00		32	28	30	85	0	00	29.38	30.41
SUNRISE: 0741 JAN 27 SUNSET: 1758														
01	CLR	NC			8.00		30	26	29	85	3	06	29.41	30.43
04	CLR	NC			9.00		30	25	28	82	3	06	29.40	30.41
07	CLR	NC			7.00		28	24	27	85	0	00	29.42	30.45
10	CLR	NC			10.00		34	28	32	79	3	07	29.46	30.49
13	SCT	100			10.00		43	30	38	60	0	00	29.42	30.44
16	OVC	100			10.00		46	31	40	56	0	00	29.39	30.40
19	OVC	037			10.00		44	34	40	68	0	00	29.40	30.42
22	OVC	031			9.00		43	38	41	83	0	00	29.36	30.37
SUNRISE: 0741 JAN 28 SUNSET: 1759														
01	OVC	035			10.00		43	39	41	86	0	00	29.36	30.37
04	BKN	043			10.00		43	35	40	73	5	21	29.36	30.36
07	OVC	049			10.00		44	33	39	65	0	00	29.38	30.38
10	OVC	020			10.00		47	33	41	58	0	00	29.38	30.38
13	OVC	018			10.00		48	39	44	71	6	VR	29.33	30.32
16	OVC	016			8.00		51	44	48	77	5	25	29.27	30.27
19	OVC	050			9.00	-RA	51	45	48	80	3	23	29.27	30.26
22	OVC	050			8.00		52	46	49	80	3	26	29.27	30.26
SUNRISE: 0740 JAN 29 SUNSET: 1800														
01	OVC	075			7.00		51	46	48	83	3	23	29.26	30.25
04	BKN	090			7.00		50	45	48	83	3	23	29.24	30.23
07	BKN	032			6.00	BR	49	45	47	86	5	21	29.21	30.19
10	OVC	022			6.00	HZ	53	47	50	80	5	16	29.21	30.19
13	OVC	031			8.00		61	50	55	67	6	22	29.13	30.11
16	OVC	031			6.00	HZ	60	54	57	81	0	00	29.06	30.03
19	BKN	080			5.00	BR	56	53	54	90	0	00	29.02	29.99
22	SCT	049			3.00	BR	54	51	52	90	0	00	28.98	29.95
SUNRISE: 0739 JAN 30 SUNSET: 1801														
01	OVC	060			2.50	BR	51	50	50	96	0	00	28.88	29.84
04	OVC	060			10.00	-RA	66	57	61	73	9	21	28.78	29.73
07	OVC	041			10.00		68	59	63	73	10	20	28.69	29.63
10	OVC	060			0.75	+RA BR	56	54	55	93	0	00	28.71	29.66
13	OVC	034			1.25	RA BR	56	54	55	93	0	00	28.63	29.59
16	OVC	070			2.50	RA BR	53	50	51	90	8	23	28.60	29.54
19	OVC	023			10.00		49	45	47	86	11	18	28.59	29.54
22	OVC	055			10.00		45	38	42	77	11	26	28.64	29.60

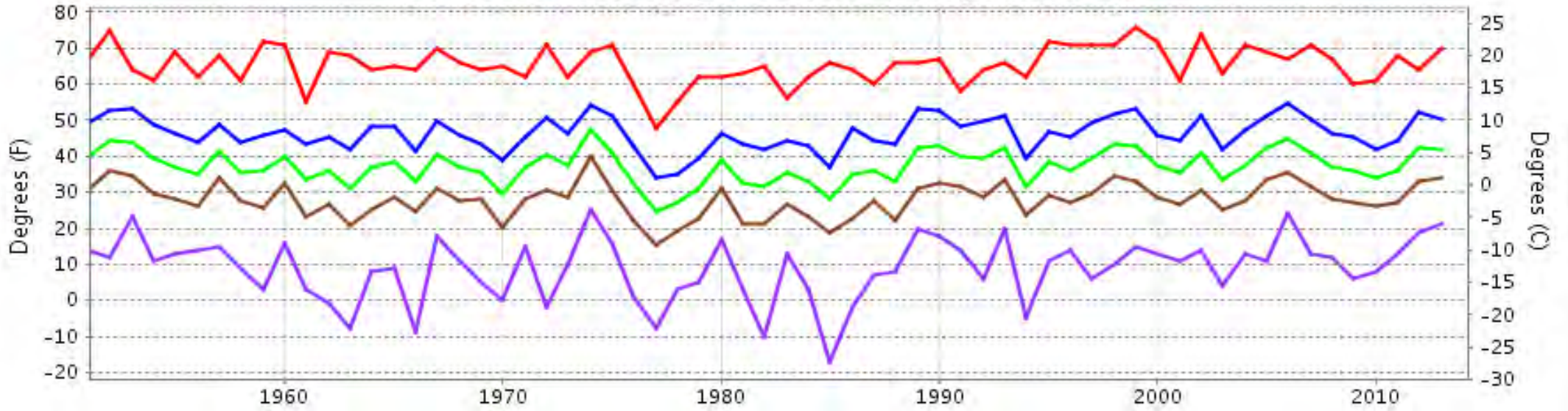
HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)		
			Observation Time (LST)	Eff Cl'd Amt Oktas			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0738 JAN 31 SUNSET: 1802														
01	OVC	055			10.00	-RA	38	29	34	70	17	28	28.82	29.80
04	OVC	047			10.00		35	23	31	62	10	25	28.93	29.92
07	OVC	043			10.00		34	19	29	54	6	VR	28.98	29.97
10	OVC	050			10.00		35	19	29	52	10	26	29.07	30.07
13	OVC	050			10.00		38	21	32	50	8	22	29.10	30.10
16	SCT	065			10.00		43	20	34	40	6	VR	29.06	30.06
19	FEW	095			10.00		40	21	33	47	5	21	29.06	30.07
22	OVC	085			10.00		38	23	32	55	6	VR	29.06	30.06

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			39	32	36	79	29.23	30.23	8.37	2	2	26
02			39	32	36	78	29.23	30.23	8.43	2	1	24
03			39	32	36	77	29.23	30.23	8.52	3	0	16
04			39	32	36	78	29.23	30.23	8.12	2	1	25
05			38	31	36	78	29.23	30.23	7.89	2	1	24
06			38	31	35	79	29.23	30.23	7.74	2	1	22
07			37	31	35	80	29.24	30.25	7.98	2	1	20
08			37	32	35	80	29.26	30.26	8.16	2	1	25
09			39	33	36	79	29.26	30.27	7.81	3	1	25
10			40	33	38	77	29.28	30.28	7.96	3	1	11
11			42	33	39	73	29.27	30.28	8.71	4	0	22
12			44	33	40	68	29.26	30.26	8.72	4	0	22
13			45	33	41	65	29.23	30.23	8.75	5	1	25
14			47	33	41	64	29.21	30.21	8.96	4	2	26
15			48	33	42	62	29.20	30.20	8.61	5	2	26
16			48	33	42	61	29.20	30.20	8.33	4	2	26
17			47	33	42	62	29.20	30.20	8.52	4	1	24
18			46	32	41	64	29.21	30.21	9.02	3	1	25
19			44	33	40	68	29.22	30.22	8.84	2	2	25
20			43	33	39	71	29.22	30.23	8.80	2	1	25
21			42	33	38	73	29.23	30.23	8.57	3	1	25
22			41	33	38	75	29.22	30.23	8.56	2	2	25
23			40	32	37	76	29.23	30.23	8.24	2	1	24
24			39	32	37	78	29.23	30.23	8.44	2	1	25

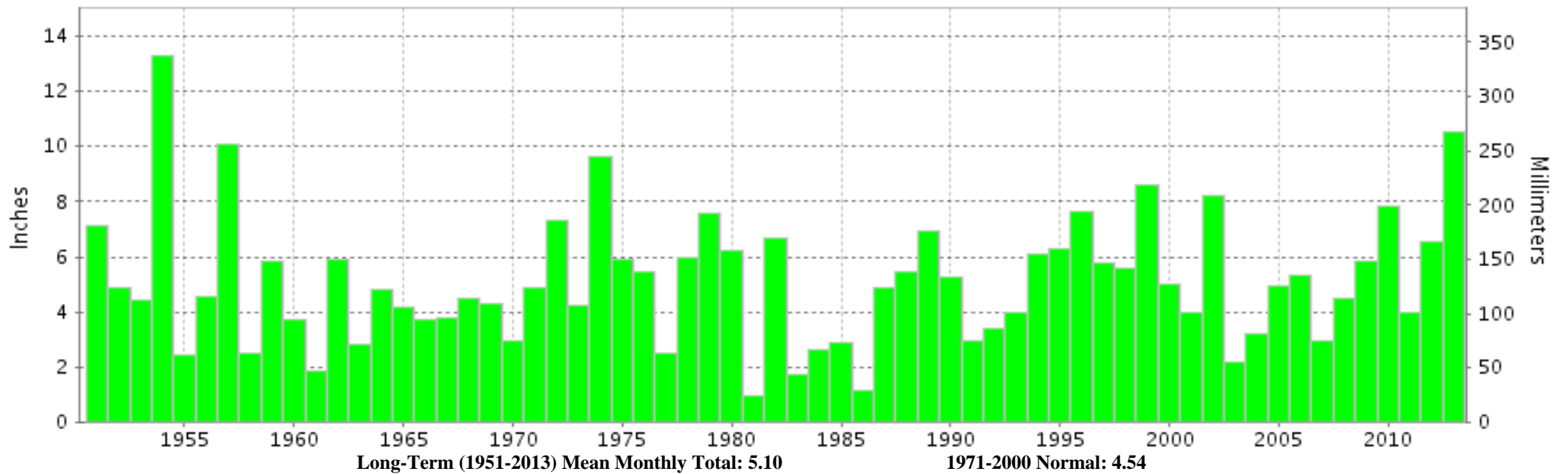
OAK RIDGE, TN JANUARY Temperatures



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

Long-Term (1951-2013) Mean: 37.2
1971-2000 Normal: 37.7

OAK RIDGE, TN JANUARY Precipitation



Long-Term (1951-2013) Mean Monthly Total: 5.10

1971-2000 Normal: 4.54



**JANUARY 2013
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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