



JANUARY 2008

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		0700 LST	1300 LST	2400 LST	2400 LST	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			5-SEC		2-MIN			
																		SPEED 20	DIR 21	SPEED 22	DIR 23			
01	47	24	36	-1	20	30	29	0	RA SN			T	29.18	30.23	6.4	27	8.1	28	26	18	29	01		
02	26	17	22	-15	6	18	43	0	SN			T	29.51	30.61	3.3	28	4.9	25	29	16	29	02		
03	33	13	23	-14	9	18	42	0				0.00	29.76	30.83	0.4	05	0.5	9	03	6	05	03		
04	44	16	30	-7	13	24	35	0				0.00	29.63	30.67	1.3	23	1.5	14	22	9	21	04		
05	48	30	39	2	23	34	26	0	RA			0.02	29.39	30.40	2.0	23	2.5	17	25	12	25	05		
06	55	41	48	12	42	45	17	0	RA BR			0.06	29.29	30.29	0.4	21	0.6	8	25	6	25	06		
07	67	41	54	18	47	50	11	0				0.00	29.29	30.29	0.8	23	1.0	14	24	7	26	07		
08	67*	49	58*	22	51	55	7	0	RA			0.13	29.16	30.09	5.4	21	6.0	31	20	21	20	08		
09	62	39	51	15	39	45	14	0	RA BR			0.29	29.11	30.11	0.9	26	4.5	32	27	17	25	09		
10	60	39	50	14	45	47	15	0	RA BR			2.32	28.98	29.92	1.2	18	2.8	26	21	21	18	10		
11	59	34	47	11	38	43	18	0	RA BR			0.05	28.84	29.86	2.5	25	4.3	24	27	16	26	11		
12	54	30	42	6	31	36	23	0	FG+ FG FZFG BR			0.00	29.05	30.05	0.9	06	1.2	13	04	8	05	12		
13	51	32	42	6	32	37	23	0	RA			0.01	29.00	30.02	1.7	25	2.4	20	27	12	26	13		
14	43	28	36	0	20	29	29	0				0.00	29.16	30.18	3.1	24	4.9	20	25	14	21	14		
15	40	26	33	-3	17	27	32	0				0.00	29.18	30.22	1.4	23	1.9	13	19	9	19	15		
16	40	24	32	-4	19	28	33	0	RA SN			0.06	29.25	30.27	1.1	07	1.6	12	06	8	06	16		
17	41	33	37	1	34	36	28	0	RA BR			0.29	29.07	30.07	1.0	04	2.8	15	05	10	04	17		
18	48	37	43	7	24	35	22	0				0.00	29.14	30.15	2.7	24	3.5	16	29	10	26	18		
19	39	22	31	-5	17	28	34	0				0.00	29.19	30.21	1.7	34	2.1	16	28	10	36	19		
20	28	12*	20*	-17	0	15	45	0				0.00	29.52	30.57	1.2	34	2.4	18	31	12	30	20		
21	40	15	28	-9	5	20	37	0				0.00	29.61	30.67	0.9	06	1.0	12	05	8	09	21		
22	37	30	34	-3	28	33	31	0	RA BR UP			0.30	29.28	30.31	3.2	22	4.1	16	26	12	25	22		
23	41	30	36	-1	31	35	29	0	BR			0.00	29.15	30.16	1.6	25	2.7	13	27	9	26	23		
24	36	18	27	-10	16	26	38	0	SN			T	29.23	30.27	3.9	29	6.3	20	26	13	28	24		
25	34	14	24	-13	5	19	41	0				0.00	29.47	30.53	1.7	05	3.2	18	36	12	02	25		
26	42	31	37	0	22	32	28	0	UP			T	29.23	30.25	4.2	23	4.7	17	21	10	21	26		
27	49	26	38	1	26	32	27	0	BR			0.00	29.23	30.25	1.2	19	1.8	14	21	9	20	27		
28	53	22	38	1	24	33	27	0	BR			0.00	29.21	30.20	0.9	23	1.3	10	26	7	22	28		
29	56	44	50	13	37	44	15	0	RA BR			0.60	28.85	29.78	3.0	23	4.0	40*	26	24	26	29		
30	48	26	37	-1	13	26	28	0				0.00	29.08	30.16	3.4	26	5.3	38	26	25*	27	30		
31	46	28	37	-1	17	30	28	0	RA BR			0.36	29.23	30.23	4.1	05	4.8	16	08	12	06	31		

46.3	28.1	37.2	☼	24.2	32.6	27.6	0.0	< MONTHLY AVERAGES TOTALS >				4.49	29.23	30.25	1.3	25	3.2	< MONTHLY AVERAGES			
0.4	0.9	0.6		<----- DEPARTURE FROM NORMAL ----->										-0.64	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3						
DEGREE DAYS								GREATEST 24-HR PRECIPITATION : 2.37 DATE : 10-11				SEA LEVEL PRESSURE				DATE TIME					
MONTHLY				SEASON TO DATE				GREATEST 24-HR SNOWFALL :				MAXIMUM :				30.92 03 1102					
TOTAL DEPARTURE				TOTAL DEPARTURE				GREATEST SNOW DEPTH :				MINIMUM :				29.52 29 2253					
HEATING :		855 -27		2047		-400		NUMBER OF ->		MAXIMUM TEMP >= 90 : 0		MINIMUM TEMP <= 32 : 22		PRECIPITATION >= 0.01 INCH : 12							
COOLING :		0 0		0		0		DAYS WITH		MAXIMUM TEMP <= 32 : 2		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH : 7							
										THUNDERSTORMS : 0		HEAVY FOG : 1		SNOWFALL >= 1.0 INCH :							

JANUARY 2008
OAK RIDGE, TN

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)
JANUARY 2008

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											01												01	T	T	
02	T	T		T									02												02	T	T	
03			T										03												03	0.00	0.00	
04													04												04	0.00	0.00	
05													05												05	0.02	0.02	
06				T	T	0.01	T	0.02	0.03	T	T		06												06	0.06	0.06	
07													07												07	0.00	0.00	
08													08												08	0.13	0.13	
09	0.05	0.24	T										09												09	0.29	0.29	
10		T	T	T	0.03	0.01	0.38	0.12	0.10	0.27	0.08	0.06	10	0.05	0.01			0.01	0.08	0.27	0.62	0.04	0.17	0.02	10	2.32	2.32	
11	0.03	0.02	T										11												11	0.05	0.05	
12													12												12	0.00	0.00	
13													13	T											13	0.01	0.01	
14													14												14	0.00	0.00	
15													15												15	0.00	0.00	
16													16												16	0.06	0.06	
17	0.04	0.04	0.06	0.05	0.03	0.05	0.01	T	T	0.01			17												17	0.29	0.29	
18													18												18	0.00	0.00	
19													19												19	0.00	0.00	
20													20												20	0.00	0.00	
21													21												21	0.00	0.00	
22							0.01	0.01	0.04	0.06	0.04	0.01	22	0.02	0.04	0.01	0.02	0.01	0.02	0.01				22	0.30	0.30		
23													23												23	0.00	0.00	
24													24	T											24	T	T	
25													25												25	0.00	0.00	
26		T	T										26												26	T	T	
27													27												27	0.00	0.00	
28													28												28	0.00	0.00	
29													29	T	T	T	T	T	T	0.12	T	0.21	0.13	T	0.14	29	0.60	0.60
30													30												30	0.00	0.00	
31													31												31	0.36	0.36	

* 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)	0.22	0.32	0.37	0.43	0.50	0.62	0.72	0.81	0.86	0.91	0.96	1.01
Ending Date	10	10	10	10	10	10	10	10	10	10	10	10
Ending Time (Hr/Min)	2010	2011	2016	2021	2025	2021	2035	2052	2107	2107	2107	2235

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 JANUARY 2008

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							2.50	10.00	
02							1.75	10.00	
03							9.00	10.00	
04							7.00	10.00	
05							10.00	10.00	
06							3.00	10.00	
07							8.00	10.00	
08							4.00	10.00	
09							6.00	10.00	
10							1.25	10.00	
11							8.00	10.00	
12							0.00	10.00	
13							7.00	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							6.00	10.00	
17							2.50	9.00	
18							5.00	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							1.75	10.00	
23							0.75	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							5.00	10.00	
28							5.00	10.00	
29							2.00	10.00	
30							10.00	10.00	
31							3.00	10.00	
MONTHLY AVGS							6.08	9.97	
SUNSHINE (Minutes)									
Total : 0					Possible :				
Percent Possible :									
NUMBER OF DAYS WITH :									
SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
MINIMUM VISIBILITY (MILES)									
<= .25			<= 3.0			>= 7.0			
1			10			15			

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN JANUARY 2008

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)																																																																																																																																																																											
			Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	STATION				SEA LEVEL	Observation Time (LST)			Eff Cld Amt Oktas	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL																																																																																																																																																																								
SUNRISE: 0747													JAN 01			SUNSET: 1734						SUNRISE: 0748													JAN 07			SUNSET: 1739																																																																																																																																																													
01	OVC	095			10.00		43	33	39	68	0 00	29.03	30.02	01	FEW	055			10.00		50	44	47	80	3 23	29.28	30.27	04	CLR	NC			10.00		42	20	34	41	6 23	29.12	30.11	04	CLR	NC			10.00		36	21	31	55	5 23	29.19	30.20	07	OVC	033			10.00		37	20	31	50	15 27	29.23	30.24	10	OVC	025			10.00		39	16	31	39	13 29	29.23	30.23	13	CLR	NC			10.00		36	14	29	40	10 28	29.24	30.25	13	CLR	NC			10.00		32	14	26	47	9 30	29.30	30.32	16	OVC	070			10.00		27	18	24	69	10 30	29.32	30.35	19	OVC	085			10.00									19	CLR	NC			10.00									22	BKN	085			3.00	-SN								22	BKN	050			9.00																						
SUNRISE: 0748													JAN 02			SUNSET: 1734						SUNRISE: 0748													JAN 08			SUNSET: 1739																																																																																																																																																													
01	BKN	060			10.00		23	3	18	42	11 28	29.36	30.39	01	OVC	048			10.00		52	47	49	83	3 23	29.24	30.22	04	OVC	060			10.00		21	7	17	55	10 28	29.39	30.43	04	OVC	060			10.00		20	7	17	57	5 24	29.45	30.49	07	FEW	060			10.00		10	SCT	033			21	4	17	48	7 27	29.55	30.60	10	SCT	033			10.00		26	6	21	42	6 34	29.57	30.63	13	OVC	046			10.00		25	7	20	46	5 VR	29.60	30.66	16	OVC	050			10.00		23	6	19	48	3 29	29.68	30.74	19	CLR	NC			10.00		19	7	16	59	0 00	29.74	30.81	22	CLR	NC			10.00									22	CLR	NC			10.00																																													
SUNRISE: 0748													JAN 03			SUNSET: 1735						SUNRISE: 0748													JAN 09			SUNSET: 1740																																																																																																																																																													
01	CLR	NC			10.00		16	6	14	64	0 00	29.74	30.81	01	OVC	045			6.00	-RA	62	57	59	84	11 22	28.96	29.91	04	CLR	NC			10.00		15	6	13	67	0 00	29.78	30.85	04	CLR	NC			10.00		14	6	12	70	0 00	29.82	30.89	07	FEW	036			10.00		19	9	16	65	0 00	29.85	30.92	10	CLR	NC			10.00		28	10	23	47	6 01	29.79	30.85	13	CLR	NC			10.00		33	10	26	38	0 00	29.72	30.78	16	CLR	NC			10.00		27	12	23	53	0 00	29.71	30.78	19	CLR	NC			10.00		22	13	19	68	0 00	29.70	30.76	22	CLR	NC			10.00									22	CLR	NC			10.00																																																		
SUNRISE: 0748													JAN 04			SUNSET: 1736						SUNRISE: 0748													JAN 10			SUNSET: 1741																																																																																																																																																													
01	CLR	NC			10.00		19	13	17	77	0 00	29.69	30.75	01	OVC	110			10.00		40	36	38	86	0 00	29.10	30.09	04	CLR	NC			9.00		17	12	16	81	0 00	29.67	30.73	04	OVC	030			10.00		16	12	15	84	0 00	29.71	30.78	07	OVC	030			9.00		25	17	23	72	0 00	29.72	30.78	10	OVC	016			9.00		38	14	30	37	5 24	29.63	30.68	13	CLR	NC			10.00		43	9	32	25	7 22	29.55	30.59	16	CLR	NC			10.00		35	13	28	40	0 00	29.52	30.56	19	CLR	NC			10.00		31	16	26	54	0 00	29.49	30.54	22	CLR	NC			10.00									22	OVC	080			10.00																																																		
SUNRISE: 0748													JAN 05			SUNSET: 1737						SUNRISE: 0748													JAN 11			SUNSET: 1742																																																																																																																																																													
01	CLR	NC			10.00		33	13	27	44	3 24	29.48	30.50	01	OVC	018			8.00	RA	59	56	57	90	6 24	28.69	29.65	04	BKN	045			10.00		31	17	26	56	0 00	29.44	30.46	04	OVC	065			10.00		32	18	27	56	0 00	29.47	30.49	07	SCT	060			10.00		41	17	33	38	3 22	29.45	30.47	10	OVC	070			10.00		46	26	38	46	6 24	29.37	30.38	13	OVC	065			10.00		48	27	39	44	0 00	29.32	30.33	16	OVC	055			10.00		46	29	39	52	0 00	29.31	30.32	19	OVC	048			10.00		47	34	41	61	6 24	29.31	30.31	22	OVC	060			10.00									22	CLR	NC			10.00																																																		
SUNRISE: 0748													JAN 06			SUNSET: 1738						SUNRISE: 0747													JAN 12			SUNSET: 1743																																																																																																																																																													
01	OVC	048			10.00		44	38	41	80	0 00	29.31	30.31	01	CLR	NC			7.00		34	31	33	89	0 00	29.02	30.01	04	OVC	070			10.00		45	38	42	77	0 00	29.31	30.30	04	OVC	006			0.25	FZFG	31	29	30	92	0 00	29.04	30.03	07	OVC	043			10.00		44	41	43	89	0 00	29.32	30.32	07	VV	001			0.25	FZFG	30	29	30	96	0 00	29.06	30.07	10	OVC	055			4.00	BR	46	43	45	89	0 00	29.34	30.34	10	VV	001			0.25	FG	33	33	33	100	0 00	29.10	30.11	13	OVC	031			10.00		50	44	47	80	0 00	29.30	30.29	13	CLR	NC			10.00		54	47	50	77	0 00	29.25	30.24	16	CLR	NC			10.00		50	46	48	86	0 00	29.26	30.25	19	SCT	037			9.00		43	41	42	93	0 00	29.26	30.26	22	CLR	NC			4.00	BR								22	CLR	NC			10.00								

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

JANUARY 2008

KOQT

WBAN # 53868

Table with multiple columns: HOUR (LST), SKY COVER, CEILING 100's of FT., SATELLITE (Observation Time (LST), Eff Cld Amt Oktas), VISIBILITY (MILES), WEATHER, TEMPERATURE (°F) (DRY BULB, DEW POINT, WET BULB), WIND (RELATIVE HUMIDITY (PCT), SPEED (MPH), DIRECTION Tens of Deg), PRESSURE (INCHES, HG) (STATION, SEA LEVEL). The table is organized by date and time intervals.

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN
JANUARY 2008

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)			
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
		SUNRISE: 0742		JAN 25		SUNSET: 1756								
01	CLR	NC				17	1	13	49	10	02	29.50	30.56	
04	CLR	NC				15	-0	12	51	6	04	29.52	30.57	
07	CLR	NC				14	2	11	59	5	04	29.55	30.61	
10	CLR	NC				20	4	16	50	5	VR	29.56	30.63	
13	CLR	NC				29	5	22	36	5	08	29.50	30.56	
16	CLR	NC				33	4	25	29	0	00	29.45	30.50	
19	BKN	120				33	7	25	33	0	00	29.41	30.45	
22	OVC	095				32	9	25	38	0	00	29.36	30.40	
		SUNRISE: 0742		JAN 26		SUNSET: 1757								
01	OVC	085				32	12	26	43	6	23	29.34	30.36	
04	OVC	037				33	15	27	48	3	22	29.28	30.31	
07	OVC	037				34	15	28	46	6	22	29.28	30.30	
10	OVC	050				37	17	30	44	6	21	29.27	30.29	
13	OVC	034				40	22	33	49	9	25	29.21	30.23	
16	OVC	032				42	27	36	55	5	25	29.16	30.17	
19	OVC	030				40	30	36	68	6	21	29.19	30.21	
22	OVC	022				38	31	35	76	5	25	29.17	30.18	
		SUNRISE: 0741		JAN 27		SUNSET: 1758								
01	SCT	019				33	28	31	82	3	23	29.18	30.19	
04	CLR	NC				29	26	28	89	3	VR	29.20	30.22	
07	CLR	NC				27	24	26	88	0	00	29.23	30.26	
10	CLR	NC				35	29	33	79	3	20	29.27	30.29	
13	CLR	NC				44	27	37	51	0	00	29.25	30.26	
16	CLR	NC				49	26	40	41	5	15	29.20	30.22	
19	CLR	NC				42	27	36	55	0	00	29.25	30.27	
22	CLR	NC				31	25	29	78	0	00	29.25	30.27	
		SUNRISE: 0741		JAN 28		SUNSET: 1759								
01	CLR	NC				28	23	26	82	0	00	29.25	30.27	
04	CLR	NC				25	21	24	85	0	00	29.27	30.28	
07	CLR	NC				23	18	21	81	0	00	29.28	30.31	
10	CLR	NC				32	27	30	82	0	00	29.28	30.31	
13	CLR	NC				49	26	40	41	5	VR	29.20	30.21	
16	CLR	NC				53	23	41	31	0	00	29.13	30.12	
19	OVC	110				50	26	40	39	0	00	29.10	30.12	
22	CLR	NC				45	26	37	47	0	00	29.07	30.06	
		SUNRISE: 0740		JAN 29		SUNSET: 1800								
01	FEW	120				48	25	39	41	5	23	29.03	30.01	
04	CLR	NC				48	25	39	41	3	22	28.98	29.96	
07	BKN	055				49	26	39	41	6	25	28.94	29.92	
10	OVC	029				49	34	42	56	5	VR	28.92	29.91	
13	OVC	021				50	38	44	64	5	26	28.82	29.80	
16	OVC	025				51	43	47	74	0	00	28.70	29.66	
19	OVC	049			-RA BR	51	49	50	93	0	00	28.64	29.60	
22	BKN	100				55	52	53	90	11	19	28.57	29.53	
		SUNRISE: 0739		JAN 30		SUNSET: 1801								
01	BKN	090				45				17	27	28.74	29.72	
04	CLR	NC				31	15	26	51	10	25	29.03	30.03	
07	CLR	NC				27	10	22	49	7	23	29.13	30.14	
10	CLR	NC				29	11	24	47	5	26	29.19	30.19	
13	CLR	NC				35	10	27	35	0	00	29.18	30.19	
16	CLR	NC				40	9	30	28	0	00	29.18	30.20	
19	CLR	NC				34	15	28	46	0	00	29.24	30.27	
22	CLR	NC				29	16	25	58	0	00	29.27	30.30	

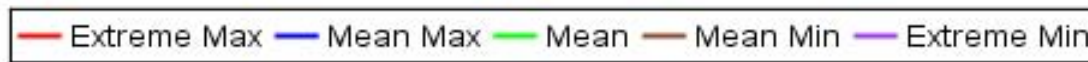
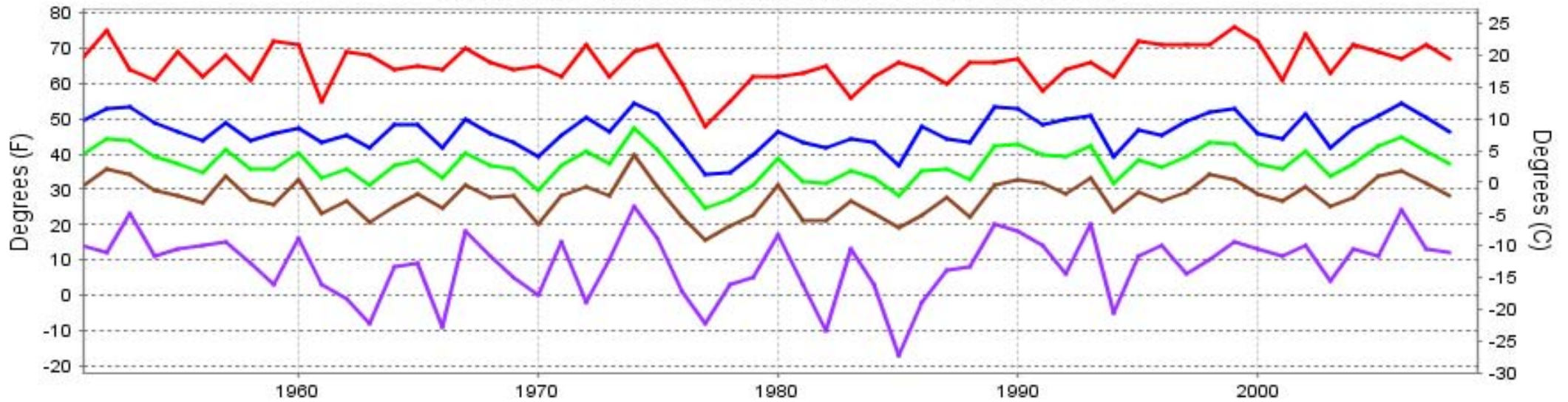
HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)			
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
		SUNRISE: 0738		JAN 31		SUNSET: 1802								
01	CLR	NC				30	9	24	41	7	05	29.27	30.29	
04	CLR	NC				29	11	24	47	7	04	29.24	30.26	
07	SCT	120				32	12	26	43	6	09	29.34	30.36	
10	CLR	NC				34	9	26	35	7	05	29.37	30.40	
13	CLR	NC				37	15	30	41	7	04	29.25	30.27	
16	CLR	NC				45	16	35	31	10	06	29.12	30.13	
19	OVC	110				45	18	35	34	0	00	29.09	30.09	
22	OVC	041				39	35	37	86	0	00	29.04	30.05	

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

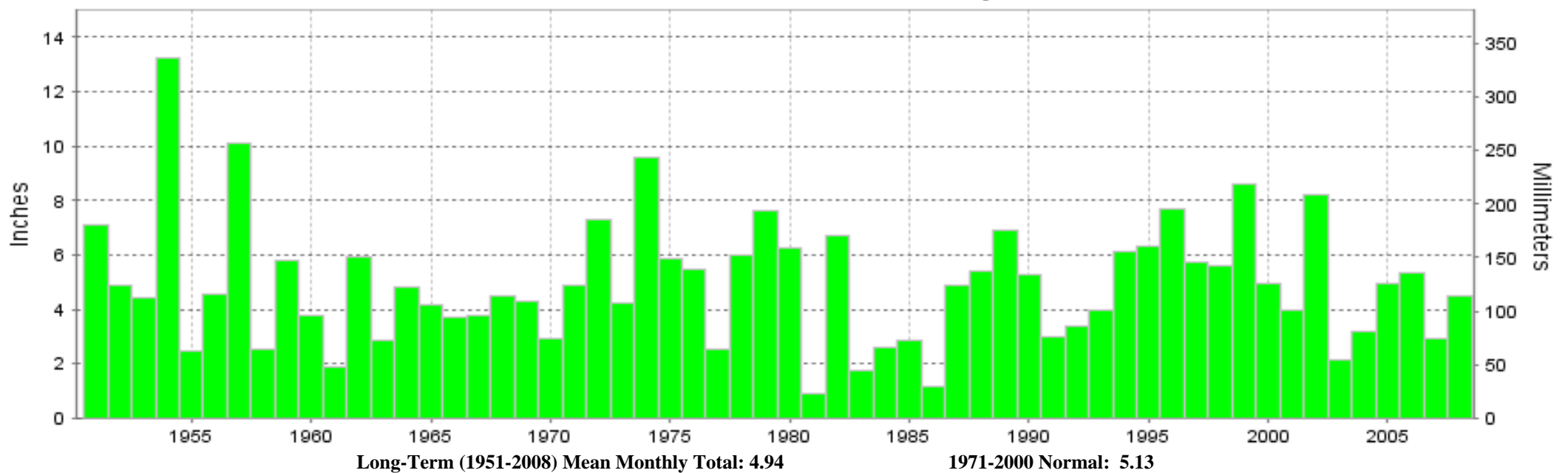
HOUR (LST)	AVERAGES									RESULTANT WIND (MPH)		
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			35	25	31	69	29.22	30.23	9.18	4	4	25
02			34	25	31	70	29.22	30.23	8.85	4	4	25
03			34	24	31	70	29.23	30.24	8.81	3	3	24
04			33	24	30	69	29.23	30.24	9.04	3	3	24
05			33	23	30	70	29.24	30.25	9.07	3	3	23
06			32	23	29	70	29.25	30.26	9.05	3	3	23
07			32	23	29	71	29.27	30.28	8.96	3	3	23
08			32	23	29	71	29.28	30.30	8.85	2	3	21
09			33	23	30	69	29.29	30.31	8.42	3	3	24
10			36	24	31	64	29.30	30.31	8.68	4	3	24
11			38	24	33	59	29.30	30.32	9.17	4	2	22
12			40	24	34	56	29.28	30.29	9.26	4	4	24
13			41	24	35	52	29.25	30.26	9.45	4	3	23
14			43	24	36	50	29.22	30.23	9.67	4	3	24
15			44	24	36	48	29.21	30.22	9.73	4	2	22
16			44	23	37	47	29.20	30.21	9.74	4	2	22
17			44	23	36	48	29.21	30.22	9.52	3	3	22
18			42	24	36	52	29.21	30.22	9.52	2	3	23
19			40	25	35	57	29.22	30.23	9.48	2	4	23
20			38	26	34	63	29.22	30.24	9.21	2	3	23
21			37	26	33	66	29.22	30.24	9.02	3	3	23
22			36	26	33	68	29.22	30.24	9.13	2	4	23
23			36	26	32	71	29.22	30.24	8.76	3	3	24
24			35	25	31	71	29.22	30.24	8.87	3	3	24

OAK RIDGE, TN JANUARY Temperatures



Long-Term (1951-2008) Mean: 37.2
1971-2000 Normal: 36.6

OAK RIDGE, TN JANUARY Precipitation



Long-Term (1951-2008) Mean Monthly Total: 4.94

1971-2000 Normal: 5.13



**JANUARY 2008
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.

Thomas R. Karl
DIRECTOR

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