



JANUARY 2016 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			
01	44	30	37	0	29	34	28	0				0.00	29.31	30.33	0.3	16	1.2	9	20	7	19	01		
02	48	25	37	0	24	31	28	0				0.00	29.29	30.30	0.2	17	0.9	10	21	8	20	02		
03	49	26	38	1	26	32	27	0				0.00	29.13	30.14	1.0	23	1.9	13	21	9	34	03		
04	39	29	34	-3	18	29	31	0				0.00	29.26	30.32	1.0	03	3.6	21	03	12	35	04		
05	43	22	33	-4	17	26	32	0				0.00	29.50	30.54	1.8	07	2.3	14	07	10	08	05		
06	46	21	34	-2	19	27	31	0				0.00	29.43	30.45	0.1	07	0.5	10	10	8	11	06		
07	57	27	42	6	28	36	23	0				0.00	29.20	30.19	1.0	06	1.8	12	07	8	06	07		
08	53	43	48	12	45	47	17	0	RA BR			0.17	29.02	30.00	0.5	26	1.0	8	26	6	26	08		
09	55	39	47	11	44	46	18	0	RA FG+ FG BR			0.26	28.92	29.87	0.8	05	1.0	12	21	7	23	09		
10	50	21	36	0	28	33	29	0	RA BR			0.08	28.89	29.95	5.0	26	7.0	28	27	15	26	10		
11	36	15	26	-10	13	21	39	0				0.00	29.23	30.28	0.8	20	1.6	11	21	8	20	11		
12	45	26	36	0	18	29	29	0				0.00	29.10	30.13	2.2	26	4.3	28	29	16	28	12		
13	41	18	30	-6	11	24	35	0				0.00	29.23	30.25	0.8	22	1.3	13	20	9	21	13		
14	59	25	42	6	24	34	23	0				0.00	29.10	30.10	1.8	22	2.9	18	20	13	20	14		
15	45	32	39	3	35	38	26	0	RA BR			0.40	28.79	29.76	0.6	19	2.2	10	05	7	08	15		
16	46	36	41	5	34	38	24	0	RA FG BR			0.03	28.84	29.87	1.6	28	4.3	23	25	14	27	16		
17	39	32	36	0	24	31	29	0				0.00	28.99	30.02	1.5	27	4.2	21	29	14	28	17		
18	32	16	24	-12	2	17	41	0				0.00	29.26	30.33	2.5	27	3.9	19	29	13	28	18		
19	30	11*	21*	-15	7	17	44	0				0.00	29.44	30.51	0.5	07	1.1	11	07	8	08	19		
20	31	22	27	-10	22	25	38	0	SN FG+ FZFG BR			0.34	29.29	30.32	0.4	10	1.2	9	22	7	20	20		
21	41	30	36	-1	28	32	29	0	RA BR			0.03	29.23	30.24	3.1	06	3.8	15	08	9	05	21		
22	37	28	33	-4	31	33	32	0	RA SN BR			1.36	28.82	29.79	4.1	03	6.1	21	07	14	07	22		
23	31	24	28	-9	17	24	37	0	SN			T	28.97	30.04	3.7	33	5.5	23	35	14	33	23		
24	43	17	30	-7	19	25	35	0				0.00	29.20	30.24	0.3	13	0.7	10	06	8	06	24		
25	56	25	41	4	24	33	24	0				0.00	29.19	30.21	1.7	25	2.4	21	21	14	21	25		
26	49	39	44	7	39	43	21	0	RA BR			0.92	29.15	30.15	1.1	27	2.8	14	27	10	26	26		
27	43	28	36	-1	28	33	29	0				0.00	29.23	30.24	1.6	06	3.1	14	36	9	08	27		
28	49	25	37	0	28	31	28	0	FG+ FZFG BR			0.00	29.00	29.99	1.3	19	1.7	14	17	10	17	28		
29	52	31	42	5	26	34	23	0				0.00	28.95	29.98	1.9	22	3.1	13	21	9	20	29		
30	65*	26	46	8	30	37	19	0				0.00	29.06	30.06	2.6	23	3.2	25	22	16	20	30		
31	64	40	52*	14	43	48	13	0				0.00	29.00	29.97	4.5	22	5.0	29*	21	17*	20	31		

45.7		26.7		36.2		☼	25.2		31.9		28.5		0.0		< MONTHLY AVERAGES TOTALS >		3.59		29.13		30.14		0.5		26		2.8		< MONTHLY AVERAGES	
-0.9		-2.2		-1.5			<----- DEPARTURE FROM NORMAL ----->										-0.95		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3											
DEGREE DAYS										GREATEST 24-HR PRECIPITATION : 1.39 DATE : 21-22										SEA LEVEL PRESSURE										
MONTHLY					SEASON TO DATE					GREATEST 24-HR SNOWFALL :					DATE :					MAXIMUM : 30.62 05 1109										
TOTAL DEPARTURE					TOTAL DEPARTURE					GREATEST SNOW DEPTH :					DATE :					MINIMUM : 29.60 15 1453										
HEATING :		882		37		1732		-580		NUMBER OF -> DAYS WITH		MAXIMUM TEMP >= 90 :		0		MINIMUM TEMP <= 32 :		26		PRECIPITATION >= 0.01 INCH :		9								
COOLING :		0		0		0		0		THUNDERSTORMS :		0		MAXIMUM TEMP <= 32 :		4		MINIMUM TEMP <= 0 :		0		PRECIPITATION >= 0.10 INCH :		6						

**JANUARY 2016
OAK RIDGE, TN**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)
JANUARY 2016

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												01	0.00	0.00			
02													02												02	0.00	0.00			
03													03												03	0.00	0.00			
04													04												04	0.00	0.00			
05													05												05	0.00	0.00			
06													06												06	0.00	0.00			
07													07												07	0.00	0.00			
08	T	T	0.02	0.09	0.01	0.02	0.01	0.01				T	0.01												08	0.17	0.17			
09																T	T	T	0.01		T	0.05	0.15	0.05	09	0.26	0.26			
10	0.01	0.07			T	T																			10	0.08	0.08			
11													11												11	0.00	0.00			
12													12												12	0.00	0.00			
13													13												13	0.00	0.00			
14													14												14	0.00	0.00			
15												T	0.04	0.12											15	0.40	0.40			
16		0.03											16	0.11	0.06	T			T	0.01	0.01	0.02		T	0.01	0.02	16	0.03	0.03	
17													17												17	0.00	0.00			
18													18												18	0.00	0.00			
19													19												19	0.00	0.00			
20					0.01	0.03	T	T	T	0.03	0.07	0.07	20	0.11	0.02	T									20	0.34	0.34			
21													21												21	0.03	0.03			
22	0.10	0.13	0.16	0.21	0.12	0.10	0.02		0.01	0.08	0.14	0.04	22	0.07	0.05	0.04	0.01	0.04	0.03	0.01	T		T	T	T	0.03	22	1.36	1.36	
23	T	T				T	T	T	T	T	T	T	23												23	T	T	23	T	T
24													24												24	0.00	0.00			
25													25												25	0.00	0.00			
26			T	T	0.01		T	0.01	0.06	0.24	0.16	0.10	26	0.05	0.11	0.09	T	0.03	0.04	0.02		T		26	0.92	0.92				
27													27												27	0.00	0.00			
28													28												28	0.00	0.00			
29													29												29	0.00	0.00			
30													30												30	0.00	0.00			
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	0.07	0.10	0.12	0.16	0.21	0.26	0.32	0.38	0.43	0.49	0.53
Ending Date	09	26	22	22	22	26	26	26	26	26	26	26
Ending Time (Hr/Min)	2212	0934	1008	1008	1015	0941	0951	1011	1032	1052	1123	1151

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 JANUARY 2016

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	10.00	10.00
02	9.00	10.00
03	10.00	10.00
04	10.00	10.00
05	10.00	10.00
06	7.00	10.00
07	10.00	10.00
08	1.00	10.00
09	0.25	10.00
10	6.00	10.00
11	10.00	10.00
12	10.00	10.00
13	10.00	10.00
14	10.00	10.00
15	3.00	10.00
16	0.50	10.00
17	10.00	10.00
18	10.00	10.00
19	10.00	10.00
20	0.25	10.00
21	3.00	10.00
22	1.75	10.00
23	6.00	10.00
24	9.00	10.00
25	9.00	10.00
26	1.50	10.00
27	9.00	10.00
28	0.25	10.00
29	10.00	10.00
30	10.00	10.00
31	10.00	10.00
AVGS	6.98	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
3	9	20

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

JANUARY 2016

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	021	10.00		39	31	36	73	5	06	29.29	30.29	01	CLR	NC	10.00		29	23	27	78	0	00	29.31	30.33
04	BKN	021	10.00		37	31	35	79	0	00	29.30	30.30	04	CLR	NC	10.00		29	24	27	82	0	00	29.27	30.29
07	CLR	NC	10.00		36	31	34	82	0	00	29.34	30.35	07	CLR	NC	10.00		28	24	27	85	3	06	29.23	30.26
10	CLR	NC	10.00		38	30	35	73	0	00	29.36	30.37	10	OVC	031	10.00		35	27	32	72	0	00	29.28	30.31
13	CLR	NC	10.00		41	30	37	65	3	28	29.32	30.33	13	BKN	044	10.00		51	22	39	32	5	VR	29.19	30.20
16	CLR	NC	10.00		44	30	38	58	3	21	29.29	30.30	16	BKN	060	10.00		56	32	45	40	5	04	29.10	30.09
19	CLR	NC	10.00		36	28	33	73	0	00	29.31	30.32	19	OVC	070	10.00		52	36	45	55	3	06	29.09	30.09
22	CLR	NC	10.00		33	26	30	75	0	00	29.35	30.37	22	OVC	060	10.00		49	36	43	61	0	00	29.08	30.08
SUNRISE: 0748					JAN 02			SUNSET: 1734					SUNRISE: 0748					JAN 08			SUNSET: 1739				
01	CLR	NC	10.00		30	25	28	82	0	00	29.35	30.37	01	OVC	047	10.00	-RA	48	40	44	74	0	00	29.04	30.01
04	CLR	NC	10.00		27	24	26	89	0	00	29.35	30.37	04	OVC	042	10.00	-RA	45	43	44	93	0	00	29.02	29.99
07	CLR	NC	9.00		25	22	24	88	0	00	29.33	30.36	07	OVC	080	8.00	-RA	45	43	44	93	0	00	29.02	30.00
10	CLR	NC	10.00		34	28	32	79	0	00	29.36	30.39	10	OVC	022	7.00	-RA	48	45	47	89	0	00	29.06	30.04
13	CLR	NC	10.00		43	21	35	42	0	00	29.30	30.31	13	OVC	019	10.00		52	47	49	83	3	27	29.02	29.99
16	CLR	NC	10.00		48	21	38	34	5	VR	29.21	30.22	16	OVC	036	10.00		53	47	50	80	3	29	28.99	29.97
19	CLR	NC	10.00		38	26	33	62	0	00	29.20	30.22	19	OVC	041	10.00		52	47	49	83	0	00	29.02	30.00
22	CLR	NC	10.00		31	26	29	82	0	00	29.20	30.22	22	CLR	NC	5.00	BR	45	43	44	93	0	00	29.03	30.02
SUNRISE: 0748					JAN 03			SUNSET: 1735					SUNRISE: 0748					JAN 09			SUNSET: 1740				
01	CLR	NC	10.00		30	25	28	82	0	00	29.19	30.21	01	VV	001	0.25	FG	42	41	42	96	0	00	29.03	30.02
04	CLR	NC	10.00		28	24	27	85	0	00	29.17	30.18	04	VV	002	0.25	FG	39	38	39	96	0	00	29.01	30.00
07	CLR	NC	10.00		27	23	26	85	0	00	29.17	30.19	07	OVC	018	7.00		42	41	42	96	0	00	29.01	29.99
10	CLR	NC	10.00		36	27	33	70	3	26	29.17	30.19	10	OVC	014	7.00		47	45	46	93	0	00	29.02	30.00
13	CLR	NC	10.00		46	26	38	46	6	VR	29.09	30.10	13	CLR	NC	10.00		52	46	49	80	0	00	28.92	29.90
16	CLR	NC	10.00		48	27	39	44	7	19	29.05	30.05	16	BKN	080	10.00		54	45	49	72	3	07	28.83	29.81
19	CLR	NC	10.00		37	29	34	73	0	00	29.09	30.10	19	SCT	120	10.00		51	44	48	77	0	00	28.77	29.74
22	CLR	NC	10.00		33	28	31	82	0	00	29.10	30.12	22	OVC	045	7.00	-RA	49	47	48	93	0	00	28.66	29.63
SUNRISE: 0748					JAN 04			SUNSET: 1736					SUNRISE: 0748					JAN 10			SUNSET: 1741				
01	CLR	NC	10.00		36	26	32	67	3	VR	29.13	30.13	01	OVC	020	6.00	-RA BR	50	47	48	89	7	VR	28.66	29.63
04	BKN	035	10.00		33	21	29	61	0	00	29.16	30.17	04	BKN	036	10.00		49	46	47	90	6	VR	28.66	29.62
07	OVC	041	10.00		33	18	28	54	3	VR	29.22	30.24	07	SCT	060	10.00		41	34	38	76	8	27	28.76	29.73
10	OVC	038	10.00		34	20	29	56	5	VR	29.29	30.31	10	OVC	018	10.00		34	27	31	76	9	25	28.94	29.94
13	OVC	047	10.00		36	18	30	48	7	VR	29.31	30.33	13	OVC	024	10.00		34	27	31	76	7	VR	29.01	30.00
16	BKN	060	10.00		38	14	30	37	8	03	29.33	30.35	16	OVC	027	10.00		33	25	30	72	9	27	29.06	30.06
19	FEW	060	10.00		34	14	28	44	0	00	29.40	30.42	19	CLR	NC	10.00		29	18	25	63	7	26	29.14	30.16
22	CLR	NC	10.00		31	14	26	49	0	00	29.46	30.48	22	CLR	NC	10.00		23	14	20	68	5	23	29.19	30.23
SUNRISE: 0748					JAN 05			SUNSET: 1737					SUNRISE: 0748					JAN 11			SUNSET: 1742				
01	CLR	NC	10.00		28	17	24	63	0	00	29.47	30.50	01	CLR	NC	10.00		20	13	18	74	3	23	29.23	30.26
04	CLR	NC	10.00		27	16	24	63	3	05	29.49	30.53	04	CLR	NC	10.00		18	12	16	77	0	00	29.25	30.29
07	CLR	NC	10.00		22	17	20	82	3	06	29.54	30.59	07	CLR	NC	10.00		16	11	15	80	0	00	29.28	30.32
10	CLR	NC	10.00		31	17	26	56	7	07	29.57	30.61	10	CLR	NC	10.00		21	14	19	74	0	00	29.31	30.36
13	CLR	NC	10.00		37	16	30	42	0	00	29.53	30.57	13	CLR	NC	10.00		29	15	25	56	0	00	29.26	30.30
16	CLR	NC	10.00		42	12	32	29	5	17	29.47	30.50	16	CLR	NC	10.00		36	11	28	35	3	VR	29.20	30.24
19	CLR	NC	10.00		33	18	28	54	0	00	29.48	30.52	19	CLR	NC	10.00		31	12	25	45	0	00	29.18	30.22
22	CLR	NC	10.00		28	20	25	72	0	00	29.49	30.53	22	CLR	NC	10.00		27	15	23	61	3	VR	29.18	30.22
SUNRISE: 0748					JAN 06			SUNSET: 1738					SUNRISE: 0747					JAN 12			SUNSET: 1743				
01	CLR	NC	10.00		25	19	23	78	0	00	29.49	30.52	01	OVC	095	10.00		27	17	24	66	0	00	29.14	30.18
04	CLR	NC	10.00		22	18	21	85	0	00	29.48	30.51	04	OVC	090	10.00		29	18	25	63	0	00	29.10	30.13
07	CLR	NC	10.00		21	17	20	85	0	00	29.50	30.55	07	OVC	060	10.00		29	19	26	66	0	00	29.09	30.11
10	CLR	NC	10.00		30	24	28	79	0	00	29.50	30.55	10	SCT	060	10.00		35	17	29	48	7	25	29.10	30.12
13	CLR	NC	10.00		41	16	32	36	3	VR	29.44	30.46	13	OVC	050	10.00		42	22	34	45	6	VR	29.04	30.04
16	CLR	NC	10.00		44	14	34	30	0	00	29.34	30.37	16	BKN	060	10.00		44	23	36	43	11	27	29.08	30.08
19	CLR	NC	10.00		35	20	30	54	0	00	29.33	30.37	19	CLR	NC	10.00		41	20	33	43	0	00	29.13	30.15
22	CLR	NC	10.00		31	22	28	69	0	00	29.33	30.36	22	CLR	NC	10.00		34	6	26	31	3	06	29.21	30.23

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

JANUARY 2016

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 13			SUNSET: 1744					SUNRISE: 0745					JAN 19			SUNSET: 1750				
01	CLR	NC	10.00		27	8	22	45	0	00	29.24	30.26	01	CLR	NC	10.00		16	5	13	62	0	00	29.39	30.45
04	CLR	NC	10.00		23	11	20	60	0	00	29.27	30.29	04	CLR	NC	10.00		13	7	12	77	0	00	29.41	30.47
07	CLR	NC	10.00		19	11	17	71	0	00	29.27	30.30	07	CLR	NC	10.00		12	6	11	77	0	00	29.46	30.52
10	CLR	NC	10.00		27	12	23	53	0	00	29.30	30.32	10	CLR	NC	10.00		19	4	15	51	3	VR	29.52	30.58
13	CLR	NC	10.00		36	7	27	30	0	00	29.23	30.26	13	CLR	NC	10.00		25	6	20	44	5	VR	29.50	30.56
16	CLR	NC	10.00		41	5	30	22	6	20	29.21	30.23	16	CLR	NC	10.00		28	7	22	41	0	00	29.45	30.50
19	BKN	090	10.00		36	10	28	34	0	00	29.18	30.21	19	CLR	NC	10.00		26	7	21	44	0	00	29.45	30.51
22	CLR	NC	10.00		29	15	25	56	0	00	29.15	30.18	22	CLR	NC	10.00		23	11	20	60	0	00	29.45	30.50
SUNRISE: 0747					JAN 14			SUNSET: 1745					SUNRISE: 0745					JAN 20			SUNSET: 1751				
01	CLR	NC	10.00		27	17	24	66	0	00	29.15	30.18	01	BKN	120	10.00		24	15	21	68	0	00	29.40	30.44
04	CLR	NC	10.00		27	16	24	63	3	22	29.15	30.17	04	OVC	038	10.00		25	10	21	53	0	00	29.35	30.39
07	CLR	NC	10.00		26	18	23	71	3	23	29.14	30.17	07	OVC	065	10.00		23	19	22	85	6	09	29.34	30.38
10	CLR	NC	10.00		39	23	33	53	3	VR	29.16	30.19	10	OVC	039	1.25	-SN BR	25	21	24	85	0	00	29.29	30.34
13	CLR	NC	10.00		51	29	42	43	6	VR	29.12	30.12	13	OVC	026	0.50	SN FZFG	25	23	24	92	0	00	29.22	30.27
16	CLR	NC	10.00		58	29	45	33	9	18	29.03	30.02	16	OVC	011	8.00		28	24	27	85	0	00	29.20	30.23
19	CLR	NC	10.00		51	29	42	43	3	VR	29.02	30.02	19	OVC	006	1.50	BR	29	27	28	92	0	00	29.24	30.28
22	CLR	NC	10.00		40	28	35	63	0	00	29.01	30.01	22	OVC	020	3.00	BR	30	28	29	92	0	00	29.25	30.29
SUNRISE: 0747					JAN 15			SUNSET: 1746					SUNRISE: 0745					JAN 21			SUNSET: 1752				
01	CLR	NC	10.00		36	29	33	76	3	21	28.96	29.95	01	OVC	009	4.00	BR	30	28	29	92	0	00	29.25	30.29
04	CLR	NC	10.00		37	28	33	70	3	19	28.90	29.88	04	OVC	020	5.00	BR	31	29	30	92	0	00	29.27	30.30
07	BKN	110	10.00		34	28	32	79	0	00	28.85	29.84	07	OVC	019	5.00	BR	32	29	31	88	3	VR	29.26	30.29
10	OVC	080	10.00	-RA	39	32	36	76	0	00	28.82	29.82	10	OVC	016	10.00		33	27	31	78	8	06	29.29	30.32
13	OVC	050	5.00	RA BR	39	36	38	89	5	06	28.70	29.69	13	CLR	NC	10.00		39	29	35	67	5	10	29.25	30.27
16	OVC	023	10.00		44	40	42	85	0	00	28.63	29.61	16	FEW	031	10.00		40	28	35	63	5	VR	29.20	30.22
19	OVC	020	7.00		43	41	42	93	0	00	28.67	29.66	19	OVC	029	10.00		38	28	34	68	6	06	29.16	30.17
22	OVC	004	4.00	BR	43	42	43	97	6	21	28.70	29.69	22	OVC	034	10.00	-RA	37	27	33	67	7	04	29.12	30.13
SUNRISE: 0746					JAN 16			SUNSET: 1747					SUNRISE: 0744					JAN 22			SUNSET: 1753				
01	VV	002	0.50	FG	44	42	43	93	0	00	28.70	29.68	01	OVC	050	5.00	RA BR	34	31	33	89	5	09	29.06	30.06
04	OVC	004	4.00	BR	46	44	45	93	3	VR	28.73	29.71	04	OVC	032	4.00	RA BR	34	32	33	92	7	06	28.95	29.96
07	OVC	036	10.00		41	34	38	76	10	25	28.82	29.81	07	OVC	010	10.00		36	34	35	93	9	04	28.81	29.81
10	OVC	030	10.00		41	32	37	70	5	27	28.91	29.90	10	OVC	034	1.75	+RA BR	36	33	35	89	8	04	28.77	29.78
13	OVC	028	10.00		43	33	39	68	5	VR	28.91	29.90	13	OVC	030	6.00	-RA BR	37	34	36	89	5	VR	28.71	29.71
16	OVC	031	10.00		41	31	37	67	7	25	28.94	29.93	16	OVC	028	4.00	-SN BR	35	33	34	93	6	VR	28.64	29.64
19	OVC	020	10.00		38	30	35	73	3	33	28.97	29.97	19	OVC	030	7.00	-SN	34	32	33	92	3	VR	28.70	29.70
22	OVC	025	10.00		37	28	33	70	3	VR	28.97	29.97	22	OVC	038	9.00	-SN	30	23	28	75	5	VR	28.77	29.78
SUNRISE: 0746					JAN 17			SUNSET: 1748					SUNRISE: 0744					JAN 23			SUNSET: 1754				
01	OVC	027	10.00		36	27	33	70	3	06	28.93	29.93	01	OVC	020	10.00		28	20	25	72	10	35	28.81	29.82
04	OVC	027	10.00		36	25	32	64	3	VR	28.92	29.91	04	OVC	025	10.00		27	19	24	72	0	00	28.85	29.86
07	OVC	046	10.00		35	26	32	70	3	07	28.94	29.94	07	OVC	034	10.00		25	15	22	66			28.92	29.94
10	OVC	021	10.00		35	28	32	76	3	VR	29.01	30.02	10	OVC	032	6.00	-SN	25	16	22	69	8	34	29.01	30.03
13	OVC	029	10.00		36	25	32	64	5	26	29.03	30.03	13	OVC	034	10.00		31	18	27	59	7	VR	29.02	30.04
16	BKN	034	10.00		38	24	33	57	7	VR	29.03	30.03	16	OVC	030	10.00		29	18	25	63	8	32	29.06	30.09
19	SCT	050	10.00		33	21	29	61	3	VR	29.09	30.10	19	OVC	028	10.00		28	19	25	69	5	VR	29.13	30.16
22	OVC	055	10.00		33	22	29	64	5	22	29.12	30.13	22	SCT	028	10.00		26	15	23	63	0	00	29.19	30.22
SUNRISE: 0746					JAN 18			SUNSET: 1749					SUNRISE: 0743					JAN 24			SUNSET: 1755				
01	BKN	044	10.00		29	15	25	56	9	29	29.15	30.17	01	SCT	031	10.00		23	16	21	74	0	00	29.18	30.22
04	CLR	NC	10.00		21	7	17	54	6	34	29.19	30.22	04	CLR	NC	10.00		20	15	19	81	0	00	29.19	30.23
07	CLR	NC	10.00		17	3	14	54	5	25	29.26	30.31	07	CLR	NC	10.00		17	14	16	88	0	00	29.24	30.29
10	CLR	NC	10.00		18	-1	14	43	0	00	29.34	30.37	10	CLR	NC	10.00		26	20	24	78	5	VR	29.27	30.31
13	CLR	NC	10.00		24	-0	18	35	6	23	29.32	30.35	13	CLR	NC	10.00		35	20	30	54	0	00	29.21	30.24
16	CLR	NC	10.00		26	-3	19	28	5	VR	29.29	30.33	16	CLR	NC	10.00		42	21	34	43	3	18	29.17	30.19
19	CLR	NC	10.00		23	1	18	38	5	27	29.33	30.39	19	CLR	NC	10.00		34	23	30	64	0	00	29.18	30.22
22	CLR	NC	10.00		20	2	16	45	5	26	29.37	30.43	22	CLR	NC	10.00		28	23	26	81	0	00	29.18	30.21

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

JANUARY 2016

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	CLR	NC	10.00		27	23	26	85	0	00	29.18	30.21
04	CLR	NC	9.00		27	24	26	89	0	00	29.19	30.21					
07	CLR	NC	10.00		26	22	25	84	0	00	29.24	30.27					
10	CLR	NC	10.00		34	27	31	76	0	00	29.27	30.30					
13	CLR	NC	10.00		48	27	39	44	6	29	29.20	30.22					
16	CLR	NC	10.00		56	21	42	26	8	23	29.15	30.16					
19	CLR	NC	10.00		45	23	36	42	0	00	29.14	30.16					
22	OVC	070	10.00		47	26	38	44	3	VR	29.16	30.17					
SUNRISE: 0742 JAN 26 SUNSET: 1757					01	OVC	043	10.00	-RA	48	26	39	42	0	00	29.14	30.13
04	OVC	034	10.00	-RA	47	32	41	56	5	24	29.14	30.12					
07	OVC	030	10.00	-RA	48	38	43	68	6	30	29.14	30.14					
10	OVC	034	1.75	RA BR	45	44	45	97	3	VR	29.18	30.18					
13	OVC	007	3.00	-RA BR	46	44	45	93	5	25	29.16	30.16					
16	OVC	009	6.00	-RA BR	47	45	46	93	5	29	29.14	30.14					
19	OVC	010	10.00	-RA	45	42	44	90	0	00	29.16	30.15					
22	OVC	006	10.00		42	39	41	89	0	00	29.17	30.17					
SUNRISE: 0741 JAN 27 SUNSET: 1758					01	OVC	016	9.00		38	35	37	89	3	06	29.21	30.22
04	OVC	020	10.00		36	30	34	79	3	VR	29.24	30.24					
07	OVC	018	10.00		34	29	32	82	5	02	29.28	30.29					
10	OVC	019	10.00		34	27	31	76	5	VR	29.31	30.32					
13	SCT	022	10.00		38	28	34	68	7	07	29.25	30.26					
16	CLR	NC	10.00		42	27	36	55	6	08	29.18	30.19					
19	CLR	NC	10.00		36	27	33	70	0	00	29.18	30.20					
22	CLR	NC	10.00		31	27	30	85	0	00	29.16	30.18					
SUNRISE: 0741 JAN 28 SUNSET: 1759					01	CLR	NC	10.00		28	25	27	88	0	00	29.14	30.16
04	VV	002	0.25	FZFG	27	24	26	89	0	00	29.10	30.11					
07	VV	002	0.25	FZFG	26	25	26	96	0	00	29.07	30.09					
10	VV	002	0.25	FZFG	29	27	28	92	0	00	29.05	30.07					
13	SCT	006	10.00		35	32	34	89	5	15	28.97	29.98					
16	FEW	120	10.00		48	29	40	48	8	18	28.87	29.87					
19	CLR	NC	10.00		41	32	37	70	0	00	28.87	29.88					
22	CLR	NC	10.00		34	30	32	85	0	00	28.87	29.88					
SUNRISE: 0740 JAN 29 SUNSET: 1800					01	CLR	NC	10.00		34	28	32	79	8	21	28.86	29.86
04	CLR	NC	10.00		33	27	31	78	3	VR	28.85	29.84					
07	CLR	NC	10.00		32	27	30	82	5	22	28.91	29.91					
10	CLR	NC	10.00		40	27	35	60	0	00	29.01	30.01					
13	CLR	NC	10.00		48	27	39	44	3	VR	29.03	30.02					
16	CLR	NC	10.00		51	22	39	32	0	00	29.01	30.00					
19	CLR	NC	10.00		43	22	35	43	3	22	29.04	30.04					
22	CLR	NC	10.00		35	25	31	67	0	00	29.07	30.07					
SUNRISE: 0739 JAN 30 SUNSET: 1801					01	CLR	NC	10.00		30	25	28	82	0	00	29.10	30.11
04	CLR	NC	10.00		28	24	27	85	0	00	29.09	30.09					
07	CLR	NC	10.00		27	24	26	89	0	00	29.12	30.13					
10	CLR	NC	10.00		38	28	34	68	0	00	29.13	30.14					
13	CLR	NC	10.00		53	29	43	40	6	26	29.05	30.04					
16	CLR	NC	10.00		64	32	49	30	14	21	28.98	29.96					
19	CLR	NC	10.00		59	34	47	39	5	25	29.00	29.99					
22	CLR	NC	10.00		45	35	41	68	5	21	29.04	30.03					

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		43	34	39	71	3	21	29.03	30.01
04	CLR	NC	10.00		42	34	39	73	3	24	29.03	30.00					
07	OVC	030	10.00		46	37	42	71	3	25	29.05	30.02					
10	OVC	033	10.00		50	40	45	68	3	25	29.06	30.04					
13	OVC	037	10.00		60	47	53	62	9	22	28.99	29.97					
16	OVC	043	10.00		63	48	55	58	15	21	28.93	29.90					
19	CLR	NC	10.00		62	49	55	62	5	VR	28.93	29.91					
22	OVC	050	10.00		58	49	53	72	0	00	28.98	29.95					

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.

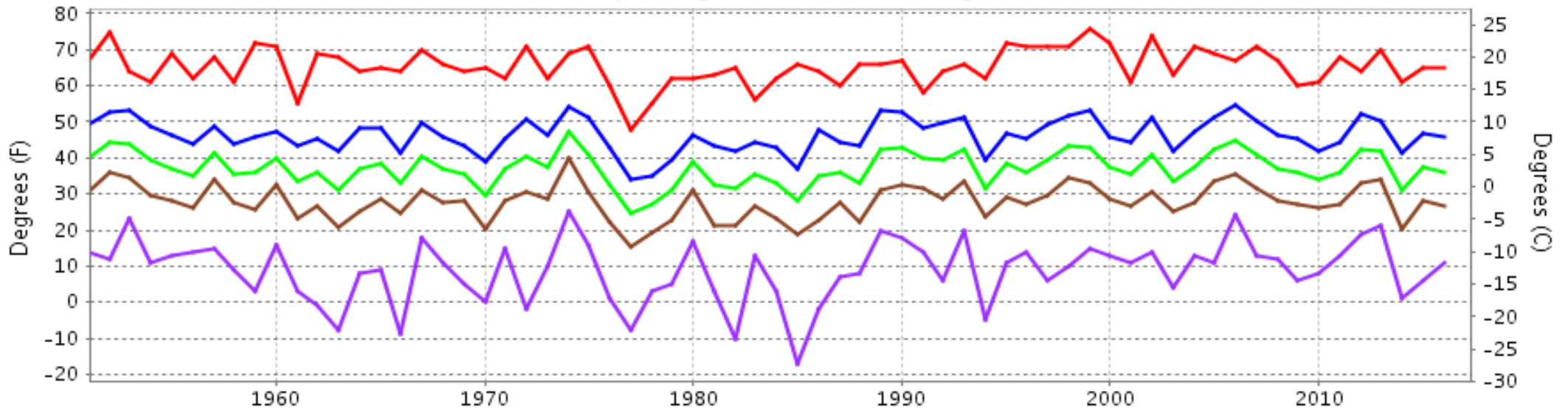
& = Original observation contained additional weather elements.

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	32	25	30	75	29.14	30.15	8.86	2	1	34
02	32	25	29	76	29.13	30.14	9.08	2	2	32
03	31	24	29	77	29.13	30.14	8.93	2	2	35
04	31	24	29	77	29.13	30.14	8.79	2	2	35
05	31	24	29	79	29.13	30.14	8.69	2	2	02
06	30	24	28	79	29.14	30.15	8.72	2	3	33
07	30	24	28	79	29.15	30.17	9.33	3	1	31
08	30	24	28	79	29.16	30.18	9.33	2	2	34
09	32	25	30	78	29.17	30.19	8.60	2	1	02
10	34	25	31	72	29.18	30.20	8.55	3	2	32
11	36	25	32	66	29.18	30.20	8.67	3	1	02
12	38	25	34	62	29.17	30.18	8.91	4	3	29
13	40	26	35	59	29.14	30.15	9.18	4	2	31
14	42	26	36	56	29.12	30.12	9.15	5	2	30
15	43	26	37	53	29.10	30.11	9.68	5	4	28
16	44	25	37	51	29.10	30.11	9.61	6	2	29
17	43	25	36	53	29.10	30.11	9.38	5	1	30
18	41	25	35	56	29.10	30.12	9.37	3	2	30
19	39	26	34	62	29.12	30.13	9.53	2	2	32
20	38	26	33	65	29.12	30.14	9.39	2	2	32
21	36	26	32	68	29.13	30.15	9.44	2	2	31
22	35	26	32	70	29.13	30.14	9.29	2	2	32
23	35	25	31	71	29.13	30.15	9.21	2	1	31
24	34	25	31	73	29.13	30.15	9.16	2	1	36

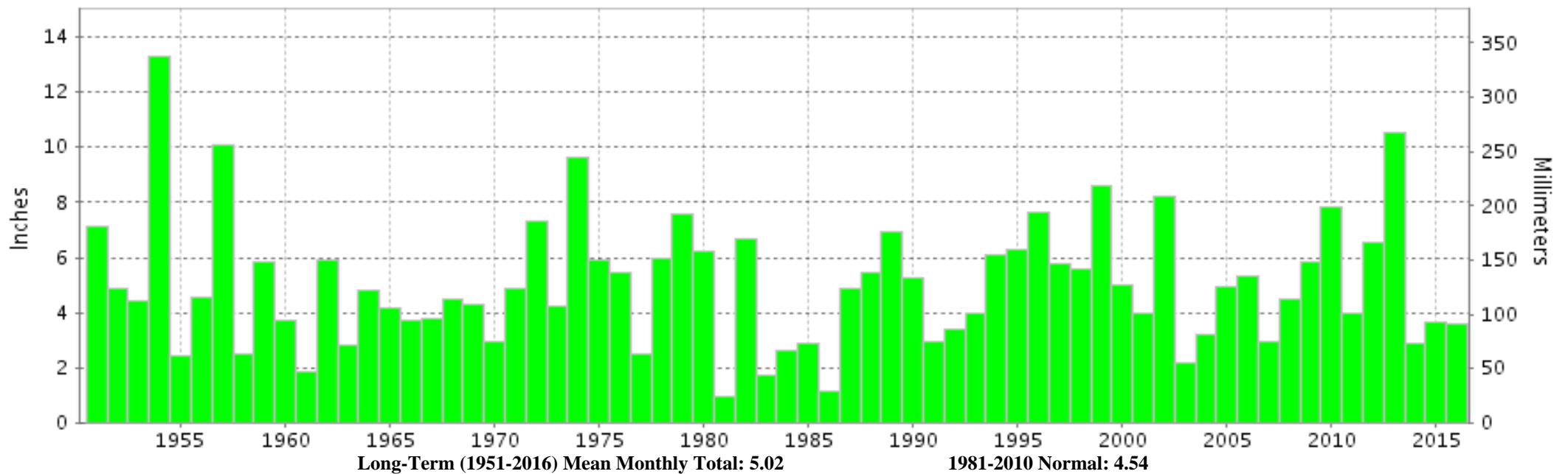
OAK RIDGE, TN JANUARY Temperatures



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

Long-Term (1951-2016) Mean: 37.1
1981-2010 Normal: 37.7

OAK RIDGE, TN JANUARY Precipitation



Long-Term (1951-2016) Mean Monthly Total: 5.02

1981-2010 Normal: 4.54



**JANUARY 2016
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, appearing to read "Thomas R. Karl".

DIRECTOR

NCEI now offers free online access to the **Edited Local Climatological Data Publication**. Go to : www.ncdc.noaa.gov/IPS/lcd/lcd.html

We welcome your questions or comments, please contact us at:
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