



# JANUARY 2001

## LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

# OAK RIDGE, TN

OAK RIDGE (OQT)  
 Lat: 36°01' N Long: 84°14' W Elev (Ground): 910 Feet  
 Time Zone: EASTERN WBAN: 53868 ISSN #: -

JANUARY 2001  
 OAK RIDGE, TN

DATE	TEMPERATURE °F							DEG DAYS BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								DATE											
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING	0700 LST		1300 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM																	
																			5-SEC		2-MIN															
																			SPEED	DIR	SPEED	DIR														
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	28	20	24	-11	20	23	41	0	SN BR				0.01	29.36	30.41	0.8	06	1.5	8	06	7	01	01													
02	34	18	26	-9	15	22	39	0					0.00	29.56	30.61	2.7	03	3.5	17	05	12	05	02													
03	36	11*	24*	-11	12	20	41	0					0.00	29.40	30.45	0.7	24	2.3	12	18	9	19	03													
04	42	26	34	-1	19	28	31	0					0.00	29.19	30.22	2.3	22	3.4	12	23	9	26	04													
05	50	25	38	3	24	33	27	0					0.00	28.90		4.6	24	6.7	23	34	17	30	05													
06	47	26	37	2	22	31	28	0					0.00	28.98	29.98	1.2	27	2.8	23	30	17	30	06													
07	50	25	38	3	25	33	27	0					0.00	28.95	29.95	0.6	25	1.3	12	27	8	26	07													
08	43	31	37	2	30	34	28	0	RA SN BR HZ				0.15	28.96	29.96	1.8	35	3.4	20	35	13	35	08													
09	34	21	28	-7	14	24	37	0	SN				T	29.27	30.30	2.7	02	4.5	17	36	12	01	09													
10	47	16	32	-3	15	24	33	0	BR				0.00	29.37	30.41	0.9	06	1.7	10	09	9	06	10													
11	39	20	30	-5	23	28	35	0	RA BR				0.19	29.24	30.27	1.5	06	1.5	12	06	9	06	11													
12	44	30	37	2	36	36	28	0	RA BR				0.08	29.18	30.19	0.2	11	1.2	9	23	7	11	12													
13	38	28	33	-2	33	33	32	0	FG+ FZFG BR				0.00	29.29	30.31	0.6	02	1.0	7	02	7	02	13													
14	43	32	38	3	37	38	27	0	RA FG+ BR				0.01	29.20	30.21	0.4	26	1.0	8	11	7	10	14													
15	59	42	51	17	41	45	14	0	FG+ BR				0.00	29.14	30.13	4.7	23	5.1	20	20	14	21	15													
16	44	30	37	2	30	35	28	0					0.00	29.25	30.26	0.2	16	.8	9	07	7	08	16													
17	46	28	37	2	34	35	28	0	RA BR				0.24	29.24	30.25	0.7	05	1.2	9	04	8	06	17													
18	45	40	43	8	42	42	22	0	RA BR				0.94	29.05	30.05	1.8	05	2.1	9	07	8	07	18													
19	48	36	42	7	42	43	23	0	RA BR				1.73	28.83	29.81	1.5	07	2.0	13	06	10	05	19													
20	36	26	31	-4	26	30	34	0	RA SN BR UP				T	29.11	30.12	2.7	28	3.9	21	28	13	28	20													
21	38	22	30	-5	16	24	35	0					0.00	29.41	30.45	1.6	03	2.3	12	07	9	07	21													
22	48	24	36	1	21	29	29	0					0.00	29.42	30.46	0.7	06	1.1	13	06	10	06	22													
23	50	20	35	0	23	29	30	0					0.00	29.30	30.33	0.6	07	.7	8	18	6	19	23													
24	50	26	38	3	26	33	27	0					0.00	29.18	30.20	2.7	25	3.0	20	28	14	25	24													
25	38	23	31	-4	16	26	34	0					0.00	29.38	30.40	2.1	03	4.4	16	06	13	06	25													
26	40	18	29	-6	20	27	36	0	RA				T	29.24	30.28	1.3	26	3.4	15	27	12	26	26													
27	43	26	35	0	25	33	30	0					0.00	29.28	30.29	1.5	02	4.8	20	26	13	26	27													
28	44	20	32	-3	21	28	33	0	BR				0.00	29.38	30.41	2.1	05	2.5	13	05	10	05	28													
29	57	29	43	8	30	38	22	0	RA BR				0.40	29.07	30.07	1.0	06	2.2	13	22	9	21	29													
30	61*	47	54*	19	42	48	11	0	RA BR				0.20	28.72	29.69	9.6	21	10.9	36*	21	23*	20	30													
31	57	42	50	14	33	42	15	0					0.00	28.91	29.88	5.5	26	7.1	22	21	16	21	31													
										44.5		26.7	35.6	■ ■	26.2	32.1	29.2	0.0	< MONTHLY AVERAGES		TOTALS-->				3.95	29.19		0.5	27	3.0	<-- MONTHLY AVERAGES					
										-.3		1.6	0.6	■ ■	<-----DEPARTURE FROM NORMAL----->										-.62		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 1.73 DATE: 19										SEA LEVEL PRESSURE										DATE		TIME				
MONTHLY					SEASON TO DATE					GREATEST 24-HR SNOWFALL:					MAXIMUM					MINIMUM					30.69		02 1053									
TOTAL DEPARTURE					TOTAL DEPARTURE					GREATEST SNOW DEPTH:					NUMBER OF DAYS WITH					MAXIMUM TEMP ≥ 90: 0					MINIMUM TEMP ≤ 32: 26					PRECIPITATION ≥ 0.01 INCH: 10						
HEATING: 905					-25					2592					21					MAXIMUM TEMP ≤ 32: 1					MINIMUM TEMP ≤ 0: 0					PRECIPITATION ≥ 0.10 INCH: 7						
COOLING: 0					0					0					0					THUNDERSTORMS: 0					HEAVY FOG: 3					SNOWFALL ≥ 1.0 INCH: :						

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

# OAK RIDGE, TN

JANUARY 2001

OQT

WBAN # 53868

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note)	2400 LST	
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			Water	Equiv.
01													01	T	T	T	T	0.01	T						01		0.01		
02													02												02		0.00		
03													03												03		0.00		
04													04												04		0.00		
05													05												05		0.00		
06													06												06		0.00		
07													07												07		0.00		
08	T	0.03	0.04	0.05	0.03	T							08			T									08	T	0.15		
09	T			T									09												09		T		
10													10												10		0.00		
11													11												11	0.18	0.19		
12	0.04	T		T			0.01	0.02			0.01	0.01	12		T	T				T	0.04	0.12	0.02	12	0.09	0.08			
13													13												13		0.00		
14													14	T	T	T	T	0.01			T				14		0.01		
15													15												15		0.00		
16													16												16		0.00		
17													17	0.03											17		0.24		
18	0.01	0.01	T	T	0.01	0.03	0.03	0.02	0.01	0.01	0.07	0.02	18	0.01	0.01	0.05	0.04	T	0.01	0.02	0.12	0.07	0.06	0.10	18	0.92	0.94		
19	0.15	0.16	0.22	0.13	0.11	0.11	0.10	0.11	0.08	0.10	0.03	0.06	19	0.14	0.05	T	T	0.05	0.09	0.01	0.01	0.01	0.01	0.01	19	1.75	1.73		
20					T		T	T				T	20	T	T				T						20		T		
21													21												21		0.00		
22													22												22		0.00		
23													23												23		0.00		
24													24												24		0.00		
25													25												25		0.00		
26													26			T	T	T							26		T		
27													27												27		0.00		
28													28												28		0.00		
29													29								0.01	0.03	0.08	0.16	0.12	29		0.40	
30	0.10	0.10	T	T	T	T	T						30												30		0.20		
31													31												31		0.00		

## MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.03	.05	.07	.08	.11	.14	.18	.22	.25	.29	.35	.39
Ending Date	30	30	30	30	29	29	29	29	29	29	29	30
Ending Time (Hour/Min)	0103	0106	0109	0109	2222	2236	2226	2242	2306	2343	2352	0023

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. 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.

## 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 1961–1990

### WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
	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	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

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

## OAK RIDGE, TN JANUARY 2001

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:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR–SS		MN–MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							.75	10.00	
02							7.00	10.00	
03							7.00	10.00	
04							10.00	10.00	
05							.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							1.75	10.00	
09							10.00	10.00	
10							.00	10.00	
11							2.50	10.00	
12							.75	10.00	
13							.25	5.00	
14							.25	7.00	
15							.25	10.00	
16							9.00	10.00	
17							2.50	10.00	
18							1.75	6.00	
19							1.75	10.00	
20							2.50	10.00	
21							10.00	10.00	
22							8.00	10.00	
23							7.00	10.00	
24							8.00	10.00	
25							10.00	10.00	
26							7.00	10.00	
27							8.00	10.00	
28							4.00	10.00	
29							1.75	10.00	
30							2.50	10.00	
31							10.00	10.00	
<b>MONTHLY AVGS</b>							5.56	9.58	
<b>SUNSHINE (MINUTES)</b>									
Total:                      Possible:                      Percent Possible:									
<b>NUMBER OF DAYS WITH:</b>									
<b>SKY CONDITION</b>									
CLR   PTLY CLDY   CLOUDY   MISSING									
31									
<b>MINIMUM VISIBILITY (MILES)</b>									
<=0.25      <=3.0      >=7.0									
3                      13                      16									

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

JANUARY 2001

OQT

WBAN # 53868

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)							
	SKY COVER	CEILING 100'S OF FT		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	SKY COVER	CEILING 100'S OF FT	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: 0748				JAN 01				SUNSET: 1734				SUNRISE: 0748				JAN 07				SUNSET: 1739									
01	OVC	110		10.00	21	16	20	81	0	00	29.33	30.38	01	CLR	NC		10.00	29	22	27	75	5	23	28.97	29.98				
04	OVC	095		10.00	23	17	21	78	5	08	29.35	30.39	04	CLR	NC		10.00	27	21	25	78	0	00	28.98	29.98				
07	OVC	070		10.00	23	17	21	78	3	06	29.35	30.39	07	CLR	NC		10.00	26	21	24	81	0	00	28.99	30.00				
10	OVC	050		4.00	26	19	24	75	5	07	29.36	30.41	10	CLR	NC		10.00	33	26	30	75	0	00	29.01	30.03				
13	OVC	020		3.00	28	24	27	85	0	00	29.32	30.37	13	FEW	NC		10.00	47	23	37	39	5	28	28.95	29.95				
16	OVC	009		1.00	27	25	26	92	0	00	29.33	30.37	16	FEW	NC		10.00	50	25	40	38	3	24	28.90	29.90				
19	OVC	080		7.00	26	25	26	96	0	00	29.38	30.43	19	SCT	NC		10.00	44	28	37	53	0	00	28.90	29.91				
22	OVC	060		10.00	25	18	23	75	5	VR	29.42	30.46	22	OVC	070		10.00	43	30	38	60	0	00	28.91	29.91				
SUNRISE: 0748				JAN 02				SUNSET: 1735				SUNRISE: 0748				JAN 08				SUNSET: 1740									
01	OVC	034		7.00	22	20	21	92	0	00	29.45	30.50	01	OVC	045		10.00	42	38	40	85	0	00	28.89	29.88				
04	OVC	034		10.00	24	18	22	77	5	02	29.50	30.55	04	OVC	032		2.50	40	40	40	100	0	00	28.87	29.85				
07	FEW	NC		10.00	22	14	20	71	6	04	29.55	30.60	07	BKN	036		10.00	37	34	36	89	0	00	28.89	29.88				
10	CLR	NC		10.00	26	15	23	63	6	36	29.62	30.68	10	OVC	032		10.00	38	31	35	76	5	33	28.95	29.95				
13	FEW	NC		10.00	33	16	27	49	8	13	29.59	30.64	13	OVC	032		10.00	38	30	35	73	3	VR	28.94	29.94				
16	OVC	050		10.00	32	11	26	41	7	31	29.57	30.62	16	OVC	027		10.00	35	28	32	76	6	VR	28.97	29.97				
19	SCT	NC		10.00	26	13	22	57	0	00	29.56	30.62	19	OVC	037		10.00	33	24	30	70	8	35	29.03	30.03				
22	CLR	NC		10.00	20	14	18	78	0	00	29.58	30.63	22	OVC	032		10.00	32	20	28	61	7	35	29.07	30.08				
SUNRISE: 0748				JAN 03				SUNSET: 1736				SUNRISE: 0748				JAN 09				SUNSET: 1741									
01	CLR	NC		10.00	19	12	17	74	6	06	29.56	30.61	01	OVC	032		10.00	31	20	27	64	3	VR	29.09	30.11				
04	CLR	NC		9.00	14	11	13	88	0	00	29.52	30.57	04	OVC	036		10.00	29	17	25	61	6	VR	29.10	30.13				
07	CLR	NC		9.00	12	8	11	84	0	00	29.50	30.57	07	OVC	042		10.00	26	13	22	57	7	04	29.19	30.22				
10	CLR	NC		8.00	18	14	17	84	0	00	29.47	30.54	10	OVC	030		10.00	26	16	23	66	5	06	29.29	30.32				
13	CLR	NC		10.00	30	10	24	43	6	VR	29.39	30.44	13	CLR	NC		10.00	31	11	25	43	6	VR	29.32	30.35				
16	CLR	NC		10.00	35	10	27	35	6	VR	29.30	30.34	16	CLR	NC		10.00	34	12	27	40	9	02	29.31	30.34				
19	CLR	NC		10.00	27	13	23	55	0	00	29.27	30.32	19	CLR	NC		10.00	29	12	24	49	0	00	29.36	30.40				
22	FEW	NC		10.00	24	14	21	65	3	22	29.27	30.32	22	CLR	NC		10.00	25	14	22	63	0	00	29.39	30.44				
SUNRISE: 0748				JAN 04				SUNSET: 1736				SUNRISE: 0748				JAN 10				SUNSET: 1742									
01	BKN	041		10.00	26	13	22	57	6	22	29.22	30.26	01	CLR	NC		10.00	20	15	19	81	0	00	29.41	30.45				
04	OVC	037		10.00	29	15	25	56	3	VR	29.22	30.24	04	CLR	NC		10.00	17	15	17	93	0	00	29.41					
07	OVC	035		10.00	29	15	25	56	3	26	29.23	30.26	07	CLR	NC		8.00	17	14	16	88	0	00	29.43	30.48				
10	OVC	033		10.00	32	17	27	54	7	20	29.23	30.27	10	CLR	NC		10.00	26	18	23	71	7	06	29.44	30.48				
13	CLR	NC		10.00	38	24	33	57	5	VR	29.20	30.23	13	CLR	NC		10.00	41	16	32	36	5	10	29.38	30.41				
16	CLR	NC		10.00	42	23	35	47	7	19	29.17	30.19	16	CLR	NC		10.00	46	9	34	22	3	12	29.32	30.35				
19	CLR	NC		10.00	32	22	28	66	0	00	29.17	30.20	19	CLR	NC		10.00	35	16	29	46	0	00	29.34	30.38				
22	CLR	NC		10.00	28	22	26	78	3	23	29.10	30.13	22	CLR	NC		10.00	28	18	25	66	0	00	29.30	30.34				
SUNRISE: 0748				JAN 05				SUNSET: 1737				SUNRISE: 0748				JAN 11				SUNSET: 1743									
01	CLR	NC		10.00	27	21	25	78	3	24	29.05	30.06	01	CLR	NC		10.00	26	18	23	71	3	05	29.28	30.31				
04	SCT	NC		10.00	30	24	28	79	5	VR	29.00	30.00	04	CLR	NC		10.00	21	17	20	85	3	06	29.29	30.31				
07	FEW	NC		10.00	30	24	28	79	6	23	28.95	29.96	07	CLR	NC		10.00	20	18	19	92	0	00	29.30	30.33				
10									7	20	28.92		10	CLR	NC		10.00	27	22	25	81	3	07	29.31	30.35				
13	CLR	NC		10.00	45	28	38	52	6	VR	28.84	29.85	13	FEW	NC		10.00	35	24	31	64	3	08	29.25	30.28				
16	CLR	NC		10.00	49	24	39	38	9	24	28.79	29.79	16	OVC	060		10.00	38	23	32	55	7	05	29.17	30.20				
19	CLR	NC		10.00	42	24	35	49	7	22	28.85	29.85	19	OVC	050		10.00	38	24	33	57	0	00	29.16	30.20				
22	SCT	NC		10.00	40	25	34	55	6	23	28.89		22	OVC	050		3.00	35	34	35	96	0	00	29.16	30.18				
SUNRISE: 0748				JAN 06				SUNSET: 1738				SUNRISE: 0747				JAN 12				SUNSET: 1744									
01	FEW	NC		10.00	37	21	31	52	3	VR	28.93	29.93	01	OVC	023		3.00	34	34	34	100	0	00	29.14	30.16				
04	OVC	042		10.00	36	20	30	52	8	36	28.96	29.96	04	OVC	021		5.00	34	34	34	100	0	00	29.10	30.12				
07	SCT	NC		10.00	29	20	26	69	0	00	28.99	30.00	07	OVC	016		2.00	35	35	35	100	0	00	29.13	30.14				
10	CLR	NC		10.00	37	22	32	54	0	00	29.04	30.03	10	OVC	016		3.00	35	35	35	100	0	00	29.16	30.18				
13	CLR	NC		10.00	44	22	36	41	3	VR	28.99	29.99	13	OVC	021		4.00	40	40	40	100	5	09	29.16	30.18				
16	CLR	NC		10.00	47	21	37	36	7	25	28.97	29.96	16	OVC	017		10.00	44	41	43	89	5	VR	29.17	30.18				
19	CLR	NC		10.00	40	23	34	51	0	00	28.98	29.99	19	CLR	NC		9.00	38	38	38	100	0	00	29.23	30.24				
22	CLR	NC		10.00	31	23	28	72	5	21	28.99	30.00	22	CLR	NC		2.50	32	32	32	100	0	00	29.27	30.29				

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

JANUARY 2001

OQT

WBAN # 53868

HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)					
	SKY COVER	CEILING 100'S OF FT			OBSERVATION TIME (LST)	EFF CLD AMT Oktas	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL			SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0747					JAN 13				SUNSET: 1745				SUNRISE: 0745					JAN 19				SUNSET: 1750							
01	OVC	001	0.25	FZFG	30	30	30	100	0	00	29.27	30.29	01	OVC	010	2.50	RA BR	45	45	45	100	0	00	28.86	29.85				
04	VV	001	0.25	FZFG	29	29	29	100	0	00	29.27	30.29	04	OVC	018	3.00	RA BR	45	45	45	100	0	00	28.81	29.79				
07	OVC	001	0.50	FZFG	30	30	30	100	0	00	29.30	30.32	07	OVC	015	6.00	-RA BR	46	46	46	100	3	12	28.78	29.76				
10	OVC	001	0.50	FZFG	31	31	31	100	0	00	29.35	30.38	10	OVC	014	2.50	RA BR	47	47	47	100	0	00	28.80	29.78				
13	OVC	003	1.50	BR	35	34	35	96	5	01	29.32	30.35	13	OVC	011	6.00	RA BR	44	43	44	96	7	06	28.82	29.80				
16	OVC	005	3.00	BR	37	36	37	96	5	03	29.26	30.29	16	OVC	018	10.00	-RA	43	41	42	93	5	06	28.77	29.76				
19	OVC	005	4.00	BR	36	35	36	97	0	00	29.26	30.29	19	OVC	020	10.00	-RA	41	38	40	89	5	02	28.84	29.83				
22	VV	001	0.25	FG	35	35	35	100	0	00	29.27	30.29	22	OVC	017	10.00		37	36	37	96	0	00	28.93	29.92				
SUNRISE: 0747					JAN 14				SUNSET: 1745				SUNRISE: 0745					JAN 20				SUNSET: 1751							
01	VV	001	0.25	FG	34	34	34	100	3	35	29.24	30.26	01	OVC	025	10.00		36	34	35	93	3	06	28.93	29.93				
04	VV	001	0.25	FG	33	33	33	100	0	00	29.22	30.24	04	OVC	014	9.00		35	33	34	93	0	00	28.97	29.97				
07	VV	001	0.25	FG	33	33	33	100	0	00	29.25	30.27	07	OVC	023	5.00	-SN BR	33	32	33	96	0	00	29.01	30.01				
10	OVC	001	1.25	-RA BR	35	35	35	100	0	00	29.25	30.27	10	OVC	024	9.00		33	31	32	92	0	00	29.07	30.08				
13	OVC	035	6.00	-RA BR	40	38	39	93	0	00	29.19	30.21	13	OVC	021	6.00	-SN	34	28	32	79	6	29	29.08	30.09				
16	OVC	031	5.00	-RA BR	41	40	41	96	6	21	29.14	30.16	16	OVC	043	10.00		33	19	28	56	12	29	29.12	30.14				
19	OVC	010	5.00	BR	42	41	42	96	0	00	29.14	30.16	19	OVC	041	10.00		29	19	26	66	5	24	29.23	30.26				
22	OVC	008	5.00	BR	42	41	42	96	0	00	29.15	30.16	22	OVC	035	10.00		27	14	23	58	7	VR	29.32	30.35				
SUNRISE: 0747					JAN 15				SUNSET: 1746				SUNRISE: 0744					JAN 21				SUNSET: 1753							
01	OVC	002	2.00	BR	43	42	43	97	0	00	29.14	30.14	01	OVC	029	10.00		25	16	22	69	6	02	29.31	30.35				
04	VV	001	0.25	FG	43	43	43	100	0	00	29.13	30.13	04	OVC	031	10.00		25	14	22	63	3	VR	29.36	30.39				
07	VV	001	0.50	FG	44	44	44	100	0	00	29.14	30.14	07	SCT	NC	10.00		22	17	20	82	0	00	29.40	30.45				
10	OVC	001	2.00	BR	46	46	46	100	7	21	29.15	30.16	10	FEW	NC	10.00		26	15	23	63	6	06	29.46	30.50				
13	FEW	NC	10.00		55	43	49	64	12	21	29.11	30.10	13	CLR	NC	10.00		32	14	26	47	3	VR	29.45	30.48				
16	CLR	NC	10.00		58	40	49	51	12	23	29.08	30.06	16	CLR	NC	10.00		37	12	29	36	0	00	29.41	30.44				
19	CLR	NC	10.00		51	36	44	56	9	27	29.12	30.11	19	CLR	NC	10.00		30	19	26	64	0	00	29.42	30.46				
22	CLR	NC	10.00		45	36	41	71	3	23	29.18	30.18	22	CLR	NC	10.00		27	21	25	78	0	00	29.43	30.47				
SUNRISE: 0746					JAN 16				SUNSET: 1747				SUNRISE: 0744					JAN 22				SUNSET: 1754							
01	CLR	NC	10.00		42	30	37	62	5	27	29.19	30.18	01	CLR	NC	10.00		27	22	25	81	0	00	29.43	30.47				
04	CLR	NC	10.00		36	30	34	79	0	00	29.21	30.21	04	CLR	NC	10.00		25	22	24	88	0	00	29.44	30.47				
07	CLR	NC	10.00		32	30	31	92	0	00	29.24	30.24	07	CLR	NC	10.00		24	22	23	91	0	00	29.45	30.49				
10	CLR	NC	10.00		37	31	35	79	0	00	29.30	30.31	10	CLR	NC	10.00		31	24	28	76	0	00	29.47	30.51				
13	CLR	NC	10.00		42	29	37	60	6	09	29.26	30.26	13	CLR	NC	10.00		42	16	33	35	5	VR	29.44	30.46				
16	CLR	NC	10.00		43	28	37	56	0	00	29.23	30.24	16	CLR	NC	10.00		47	17	36	30	0	00	29.38	30.40				
19	CLR	NC	10.00		39	31	36	73	0	00	29.25	30.27	19	CLR	NC	10.00		40	22	33	49	0	00	29.39	30.42				
22	CLR	NC	10.00		34	31	33	89	0	00	29.27	30.29	22	CLR	NC	10.00		29	23	27	78	0	00	29.40	30.44				
SUNRISE: 0746					JAN 17				SUNSET: 1748				SUNRISE: 0743					JAN 23				SUNSET: 1755							
01	CLR	NC	8.00		29	28	29	96	3	01	29.27	30.29	01	CLR	NC	10.00		26	22	25	84	0	00	29.38	30.40				
04	CLR	NC	8.00		29	27	28	92	0	00	29.25	30.27	04	CLR	NC	9.00		23	21	22	92	0	00	29.36	30.38				
07	OVC	085	9.00		31	28	30	89	3	03	29.26	30.28	07	CLR	NC	8.00		21	18	20	88	0	00	29.38	30.41				
10	OVC	070	10.00		35	30	33	82	0	00	29.31	30.33	10	CLR	NC	10.00		29	25	28	85	5	06	29.39	30.42				
13	FEW	NC	9.00		39	36	38	89	3	VR	29.24	30.26	13																
16	OVC	042	10.00		45	36	41	71	0	00	29.19	30.21	16	CLR	NC	10.00		49	21	38	33	5	13	29.21	30.23				
19	OVC	032	5.00	-RA BR	42	41	42	96	0	00	29.20	30.22	19	CLR	NC	10.00		42	25	35	51	0	00	29.21	30.24				
22	OVC	090	5.00	BR	40	40	40	100	3	06	29.17	30.19	22	CLR	NC	10.00		38	27	34	65	0	00	29.21	30.25				
SUNRISE: 0746					JAN 18				SUNSET: 1749				SUNRISE: 0743					JAN 24				SUNSET: 1756							
01	OVC	021	2.50	-RA BR	41	40	41	96	0	00	29.14	30.15	01	CLR	NC	10.00		34	28	32	79	0	00	29.20	30.22				
04	OVC	015	4.00	BR	40	40	40	100	0	00	29.10	30.10	04	CLR	NC	10.00		29	25	28	85	0	00	29.19	30.20				
07	OVC	015	3.00	-RA BR	40	40	40	100	0	00	29.12	30.12	07	CLR	NC	10.00		26	23	25	88	0	00	29.19	30.21				
10	OVC	006	3.00	-RA BR	41	41	41	100	0	00	29.12	30.13	10	CLR	NC	10.00		34	27	31	76	0	00	29.19	30.21				
13	OVC	004	3.00	-RA BR	43	42	43	97	3	02	29.09	30.09	13	OVC	045	10.00		48	31	41	52	8	26	29.16	30.16				
16	OVC	006	3.00	-RA BR	45	44	45	97	0	00	29.00	29.99	16	CLR	NC	10.00		48	28	40	46	8	21	29.14	30.15				
19	OVC	010	2.50	-RA BR	45	44	45	97	6	07	28.98	29.97	19	CLR	NC	10.00		43	24	36	47	5	26	29.18	30.20				
22	OVC	014	4.00	RA BR	44	44	44	100	3	06	28.94	29.93	22	CLR	NC	10.00		35	25	31	67	3	22	29.19	30.21				

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

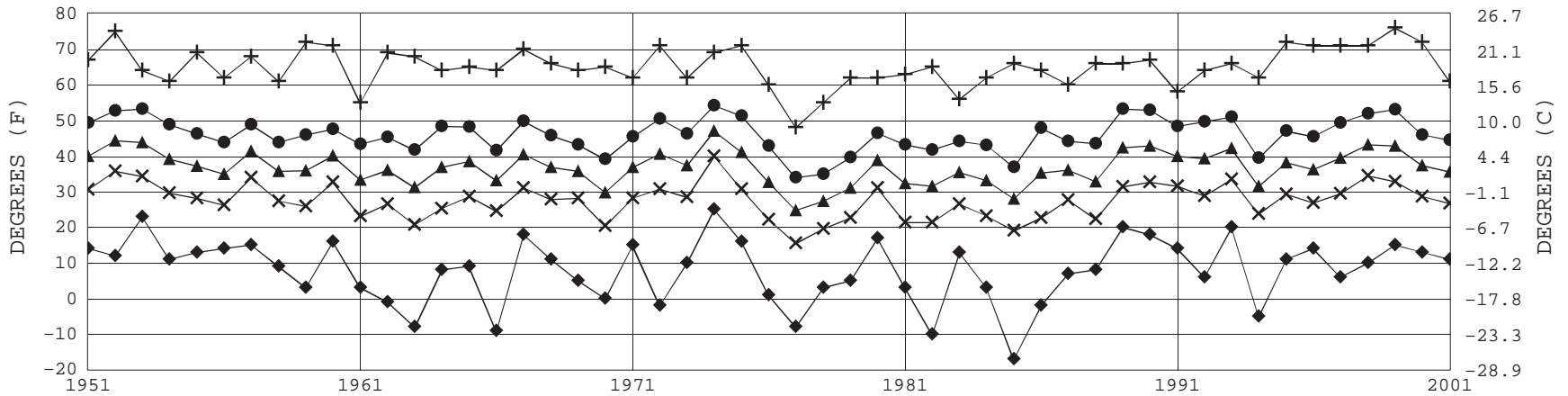
JANUARY 2001

OQT

WBAN # 53868

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		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										
SUNRISE: 0742								JAN 25				SUNSET: 1757				SUNRISE: 0738								JAN 31				SUNSET: 1803			
01	CLR	NC				10.00		37	18	30	46	6	28	29.19	30.19	01	SCT	NC				10.00		50	39	45	66	5	26	28.74	29.70
04	SCT	NC				10.00		30	16	26	56	6	35	29.25	30.26	04	BKN	060				10.00		47	38	43	71	6	26	28.78	29.75
07	BKN	044				10.00		27	14	23	58	7	VR	29.35	30.37	07	CLR	NC				10.00		46	34	41	63	7	27	28.88	29.85
10	SCT	NC				10.00		29	15	25	56	6	VR	29.44	30.47	10	OVC	047				10.00		47	31	40	54	5	VR	28.95	29.93
13	BKN	039				10.00		33	16	27	49	8	06	29.45	30.47	13	FEW	NC				10.00		52	31	43	45	8	26	28.91	29.88
16	CLR	NC				10.00		38	16	30	41	5	VR	29.41	30.44	16	CLR	NC				10.00		56	32	45	40	10	26	28.88	29.85
19	CLR	NC				10.00		32	16	27	52	0	00	29.43	30.46	19	CLR	NC				10.00		50	31	42	48	7	26	28.97	29.95
22	CLR	NC				10.00		26	18	23	71	3	03	29.42	30.46	22	CLR	NC				10.00		45	31	39	58	6	VR	29.06	30.04
SUNRISE: 0742								JAN 26				SUNSET: 1758				3-HOURLY OBSERVATION NOTES															
01	CLR	NC				10.00		23	17	21	78	0	00	29.40	30.44	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, VV = Vertical Visibility = 8/8.															
04	CLR	NC				10.00		20	15	19	81	0	00	29.38	30.42	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.															
07	CLR	NC				9.00		19	17	18	92	0	00	29.35	30.39	NC= No ceiling detected.															
10	CLR	NC				10.00		28	20	25	72	3	05	29.32	30.36	& = Original observation contained additional weather elements.															
13	OVC	100				10.00		39	17	31	41	7	VR	29.22	30.25	See page 3 for additional notes.															
16	OVC	048				10.00	RA	39	18	32	43	9	26	29.14	30.17																
19	OVC	033				10.00		39	22	33	50	5	VR	29.13	30.16																
22	OVC	048				10.00		38	25	33	60	5	VR	29.13	30.15																
SUNRISE: 0741								JAN 27				SUNSET: 1759																			
01	OVC	037				10.00		39	27	34	62	3	VR	29.11	30.12																
04	OVC	029				10.00		39	28	35	65	0	00	29.11	30.12																
07	FEW	NC				10.00		42	33	38	71	8	26	29.16	30.17																
10	BKN	033				10.00		39	25	34	57	8	36	29.31	30.32																
13	FEW	NC				10.00		42	23	35	47	7	06	29.33	30.34																
16	CLR	NC				10.00		43	23	35	45	6	04	29.32	30.33																
19	CLR	NC				10.00		36	21	31	55	0	00	29.36	30.37																
22	CLR	NC				10.00		30	21	27	69	0	00	29.41	30.43																
SUNRISE: 0740								JAN 28				SUNSET: 1760																			
01	CLR	NC				8.00		25	21	24	85	3	03	29.39	30.41																
04	CLR	NC				6.00	BR	22	20	21	92	0	00	29.39	30.41																
07	CLR	NC				5.00	BR	21	19	20	92	0	00	29.43	30.46																
10	CLR	NC				8.00		29	23	27	78	7	05	29.45	30.48																
13	FEW	NC				10.00		39	20	32	46	5	12	29.39	30.42																
16	CLR	NC				10.00		44	19	35	37	5	VR	29.35	30.38																
19	CLR	NC				10.00		39	20	32	46	0	00	29.35	30.38																
22	BKN	085				10.00		34	24	30	67	0	00	29.33	30.36																
SUNRISE: 0740								JAN 29				SUNSET: 1801																			
01	BKN	080				10.00		31	24	28	76	0	00	29.29	30.31																
04	FEW	NC				10.00		30	25	28	82	0	00	29.26	30.28																
07	CLR	NC				10.00		30	26	29	85	5	05	29.24	30.26																
10	FEW	NC				10.00		38	26	33	62	0	00	29.22	30.24																
13	CLR	NC				10.00		51	22	39	32	3	VR	29.08	30.08																
16	CLR	NC				10.00		56	28	44	34	5	03	28.91	29.90																
19	OVC	070				10.00		53	33	44	47	0	00	28.85	29.84																
22	OVC	047				3.00	RA BR	45	45	45	100	0	00	28.82	29.82																
SUNRISE: 0739								JAN 30				SUNSET: 1802																			
01	OVC	009				2.50	RA BR	53	53	53	100	8	22	28.80	29.77																
04	OVC	060				10.00		53	49	51	86	9	23	28.71	29.66																
07	SCT	NC				10.00		49	42	46	77	13	21	28.77	29.75																
10	OVC	029				10.00		49	42	46	77	12	20	28.78	29.76																
13	BKN	035				10.00		56	42	49	60	7	VR	28.71	29.67																
16	CLR	NC				10.00		61	38	50	43	13	20	28.65	29.60																
19	CLR	NC				10.00		57	37	47	47	12	21	28.69	29.65																
22	CLR	NC				10.00		55	38	47	53	7	VR	28.74	29.71																

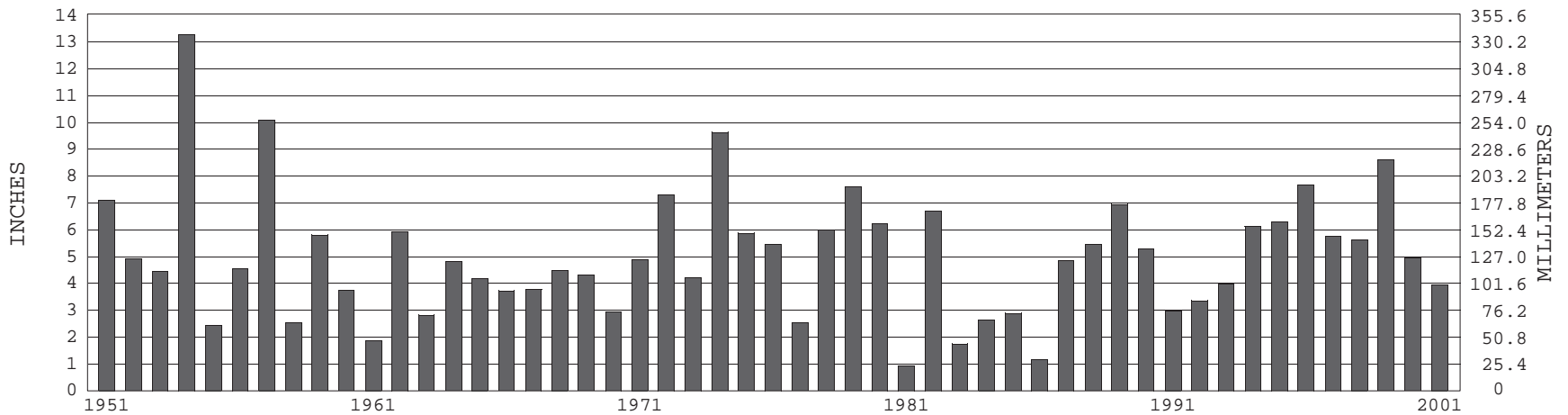
### OAK RIDGE, TN JANUARY TEMPERATURES



+ Extreme Max.      ● Mean Max.      ▲ Mean      × Mean Min.      ◆ Extreme Min.

Long-Term (1951-2001) Mean: 36.8      1961-1990 Normal: 35.0

### OAK RIDGE, TN JANUARY PRECIPITATION



Long-Term (1951-2001) Mean Monthly Total: 5.01

1961-1990 Normal: 4.57



JANUARY 2001  
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.*

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