



FEBRUARY 2003

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

OAK RIDGE, TN

OAK RIDGE (OQT)
 Lat: 36°01' N Long: 84°14' W Elev (Ground): 913 Feet
 Time Zone: EASTERN WBAN: 53868 ISSN #: -

FEBRUARY 2003
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																						
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	45	31	38	0	34	37	27	0	RA BR				T	29.06	30.06	2.9	26	4.8	20	28	13	27	01																				
02	64	28	46	8	35	40	19	0	BR HZ				0.00	28.99	29.99	0.8	25	2.1	14	27	9	25	02																				
03	62	40	51	13	44	48	14	0	RA HZ				0.06	28.86	29.83	4.8	23	6.2	22	20	16	19	03																				
04	59	32	46	8	29	38	19	0	RA BR				0.56	28.93	29.91	7.1	28	8.1	30	28	20	27	04																				
05	44	21	33	-5	12	27	32	0					0.00	29.25	30.27	0.7	07	1.1	9	18	7	15	05																				
06	38	32	35	-4	27	32	30	0	RA SN FG+ BR HZ				0.42	29.19	30.20	2.5	04	2.7	12	06	9	05	06																				
07	36	23	30	-9	27	31	35	0	SN BR				T	29.16	30.18	2.4	27	4.2	17	27	12	29	07																				
08	33	15*	24*	-15	10	20	41	0					0.00	29.31	30.36	0.3	29	3.4	14	26	12	19	08																				
09	41	20	31	-8	22	28	34	0	SN FG BR				T	29.19	30.22	0.7	20	1.2	13	22	10	22	09																				
10	40	30	35	-4	30	33	30	0	RA SN BR UP				0.37	28.99	30.00	4.3	25	4.9	22	27	16	27	10																				
11	51	27	39	-1	29	34	26	0	BR				0.00	29.09	30.10	4.5	24	5.4	25	25	17	23	11																				
12	47	26	37	-3	11	31	28	0					0.00	29.20	30.21	3.5	27	5.1	20	26	14	27	12																				
13	51	21	36	-4	18	30	29	0					0.00	29.30	30.32	2.1	23	2.5	15	26	12	20	13																				
14	45	34	40	0	37	38	25	0	RA FG BR				1.93	29.12	30.12	0.0	00	.9	12	27	8	26	14																				
15	55	44	50	9	49	50	15	0	RA FG+ BR				3.11	28.95	29.93	0.6	25	2.2	14	25	9	26	15																				
16	55	43	49	8	48	52	16	0	RA BR HZ				2.76	28.89	29.85	2.6	05	4.3	15	06	12	05	16																				
17	40	33	37	-4			28	0	RA HZ				T	29.01		3.8	25	6.1	17	28	13	26	17																				
18	38	30	34	-7			31	0	HZ				0.00	29.25		2.2	23	3.9	16	28	12	26	18																				
19	54	32	43	1			22	0	RA BR HZ				0.04	29.26		0.6	29	1.8	14	27	10	27	19																				
20	49	43	46	4	45	46	19	0	RA BR				0.16	29.25	30.24	2.4	06	2.6	9	06	7	05	20																				
21	51	44	48	6	47	47	17	0	RA FG+ BR				0.29	28.96	29.94	0.7	03	.9	7	33	6	06	21																				
22	73*	43	58*	16	50	52	7	0	RA BR				2.20	28.39	29.34	2.7	23	8.6	35*	21	23*	20	22																				
23	46	33	40	-3	30	35	25	0	RA SN BR				0.05	28.91	29.90	3.5	26	6.1	26	28	20	26	23																				
24	53	33	43	0	33	39	22	0	RA				T	29.21	30.21	2.8	28	5.4	22	28	16	29	24																				
25	34	30	32	-11	27	30	33	0	SN FG+ FZFG BR				0.12	29.32	30.34	5.2	05	5.5	17	06	13	05	25																				
26	40	33	37	-6	34	36	28	0	RA BR				0.36	29.11	30.13	3.0	05	3.3	10	06	8	05	26																				
27	47	40	44	0	43	44	21	0	RA BR				0.35	28.93	29.93	3.0	06	4.0	13	06	9	06	27																				
28	54	42	48	4	44	46	17	0	BR				0.00	29.07	30.06	1.1	23	2.3	10	22	8	22	28																				
										48.0				32.3		40.2		■ ■		24.6		0.0		< MONTHLY AVERAGES TOTALS->				12.78		29.08		1.1		27		3.9		<- MONTHLY AVERAGES					
										-3.6				2.8		-.4		■ ■		<-----DEPARTURE FROM NORMAL----->										8.28				SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 5.18 DATE: 15-16										SEA LEVEL PRESSURE DATE TIME																							
MONTHLY TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL: DATE: DATE:										MAXIMUM MINIMUM										: 30.42 25 0853													
SEASON TO DATE TOTAL DEPARTURE										GREATEST SNOWFALL: DATE: DATE:										MINIMUM MINIMUM										: 29.09 22 1553													
HEATING: 690										MAXIMUM TEMP ≥ 90: 0										MINIMUM TEMP ≤ 32: 15										PRECIPITATION ≥ 0.01 INCH: 15													
COOLING: 0										MAXIMUM TEMP ≤ 32: 0										MINIMUM TEMP ≤ 0: 0										PRECIPITATION ≥ 0.10 INCH: 12													
										THUNDERSTORMS: 0										HEAVY FOG: 4										SNOWFALL ≥ 1.0 INCH: :													

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN

FEBRUARY 2003

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	T							T	T				01												01		T		
02													02												02		0.00		
03													03					T	T					03		0.06			
04	0.17	0.26	0.09	0.03	0.01			T					04											04		0.56			
05													05											05		0.00			
06											T		06		0.01	0.04	0.03	0.05	0.02	0.01	0.02	0.01	0.02	0.01	0.20	06	0.42		
07	T			T									07												07		T		
08													08												08		0.00		
09													09						T	T	T	T	T	T	09		T		
10	T	T	T	T	T			T	T	0.01	T	0.13	0.15	10	0.08									10		0.37			
11														11											11		0.00		
12														12											12		0.00		
13														13											13		0.00		
14								T	0.02	0.08	0.12	0.18	14	0.10	0.07	0.11	0.16	0.20	0.18	0.24	0.13	0.12	0.12	0.07	0.03	14	1.93		
15	T				T	T	0.02	0.10	0.17	0.03	0.04	0.08	15	0.19	0.17	0.14	0.14	0.17	0.15	0.03	T	T	0.23	0.45	1.00	15	3.11		
16	0.18	0.83	0.48	0.24	0.32	0.02	0.01	0.06	0.07	0.09	0.04	0.01	16	0.04	0.04	0.06	0.08	0.06	0.03	0.03	0.03	0.03	0.01	T		16	2.76		
17								T	T				17													17	T		
18													18													18	0.00		
19													19												0.01	0.01	19	0.04	
20	0.02	0.04	0.03	0.01	0.02	0.01	T					T	20	T	0.01	T	0.01	0.01			T	T				20	0.16		
21							0.01	0.03	0.04	0.04	0.04	0.05	21	0.01	T	0.01								0.06	21	0.29			
22	0.12	0.14	0.20	0.28	0.36	0.38	0.19	0.17	0.19	0.03	0.04		22				0.05	T			T	0.03	0.02		22	2.20			
23	T	T	T	0.01	0.01	0.01	0.01				0.01		23												23	0.05			
24													24												24	T			
25												T	25	T	0.01	0.02	0.02	0.04	0.03						25	0.12			
26									0.01	0.02	0.01	0.03	26	0.08	0.08	0.02	0.01	0.02	T	0.01	0.04	T	0.02	0.01	26	0.36			
27	0.01	0.01	0.01	T	T	T	T	0.04	0.04	0.06	0.06	0.01	27				0.02	0.02	0.02				0.03		27	0.35			
28													28												28	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)	.16	.26	.34	.43	.57	.80	.99	1.13	1.26	1.40	1.67	2.14
Ending Date	15	15	15	15	15	15	16	16	15	15	16	16
Ending Time (Hour/Min)	2317	2321	2327	2331	2341	2356	0002	0215	2358	2358	0141	0209

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 1971–2000

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	
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 Unknown Precipitation		

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

OAK RIDGE, TN FEBRUARY 2003

Ceilorometer (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:

Note: 2002 LCD Annual, the element "Normal Dry Bulb" was not updated using the 1971–2000 Normals. Correction will be made in the 2003 LCD Annual.

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR–SS		MN–MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							6.00	10.00	
02							1.75	10.00	
03							2.50	10.00	
04							1.25	10.00	
05							10.00	10.00	
06							.50	10.00	
07							1.75	10.00	
08							8.00	10.00	
09							.50	10.00	
10							.75	10.00	
11							3.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							.50	10.00	
15							.25	7.00	
16							.75	10.00	
17							6.00	10.00	
18							.00	10.00	
19							1.75	10.00	
20							1.75	6.00	
21							<.25	3.00	
22							.75	10.00	
23							1.25	10.00	
24							7.00	10.00	
25							.25	10.00	
26							1.50	8.00	
27							1.00	10.00	
28							1.75	10.00	
MONTHLY AVGS							3.23	9.36	
SUNSHINE (MINUTES)									
Total:					Possible:				
					Percent Possible:				
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR		PTLY CLDY		CLOUDY		MISSING		28	
MINIMUM VISIBILITY (MILES)									
<=0.25			<=3.0			>=7.0			
2			20			6			

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

FEBRUARY 2003

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: 0738				FEB 01				SUNSET: 1804				SUNRISE: 0733				FEB 07				SUNSET: 1810									
01	OVC	024		7.00		39	37	38	93	6	VR	29.01	30.01	01	OVC	002		3.00	BR	32	32	32	100	0	00	29.05	30.06		
04	OVC	027		10.00		40	37	39	89	7	25	29.02	30.01	04	OVC	016		3.00	BR	33	33	33	100	0	00	29.06	30.06		
07	OVC	023		10.00		40	36	38	86	9	27	29.04	30.04	07	OVC	023		3.00	BR	33	33	33	100	0	00	29.08	30.10		
10	OVC	034		10.00		40	34	37	79	3	23	29.08	30.09	10	OVC	021		10.00		35	31	33	85	5	35	29.15	30.17		
13	OVC	026		10.00		41	34	38	76	8	24	29.09	30.10	13	OVC	024		10.00		36	28	33	73	6	33	29.18	30.20		
16	SCT	NC		10.00		44	33	39	65	6	VR	29.07	30.06	16	OVC	029		10.00		36	26	32	67	8	27	29.17	30.19		
19	OVC	030		10.00		40	34	37	79	0	00	29.08	30.09	19	CLR	NC		10.00		31	21	28	67	10	26	29.21	30.24		
22	CLR	NC		7.00		34	32	33	92	0	00	29.06	30.07	22	BKN	036		10.00		27	14	23	58	6	VR	29.29	30.32		
SUNRISE: 0737				FEB 02				SUNSET: 1805				SUNRISE: 0732				FEB 08				SUNSET: 1811									
01	CLR	NC		6.00	BR	32	31	32	96	0	00	29.04	30.04	01	OVC	036		10.00		23	14	20	68	7	VR	29.32	30.35		
04	BKN	120		5.00	BR	32	31	32	96	0	00	29.05	30.06	04	OVC	027		10.00		20	11	17	68	3	04	29.34	30.38		
07	CLR	NC		4.00	BR	28	28	28	100	0	00	29.04	30.06	07	CLR	NC		10.00		15	10	14	80	0	00	29.35	30.40		
10	CLR	NC		6.00	HZ	40	35	38	83	5	22	29.05	30.06	10	CLR	NC		10.00		19	9	16	65	3	VR	29.37	30.41		
13	CLR	NC		9.00		52	37	45	57	3	VR	29.00	29.99	13	CLR	NC		10.00		29	9	23	43	6	VR	29.33	30.37		
16	CLR	NC		10.00		63	39	51	41	6	29	28.92	29.91	16	CLR	NC		10.00		32	6	25	33	5	VR	29.27	30.31		
19	CLR	NC		10.00		52	41	47	66	0	00	28.93	29.92	19	CLR	NC		10.00		29	9	23	43	0	00	29.28	30.33		
22	CLR	NC		10.00		51	39	45	64	0	00	28.94	29.92	22	CLR	NC		10.00		23	15	21	72	0	00	29.26	30.31		
SUNRISE: 0736				FEB 03				SUNSET: 1806				SUNRISE: 0731				FEB 09				SUNSET: 1812									
01	CLR	NC		10.00		45	38	42	77	5	24	28.94	29.92	01	BKN	110		9.00		22	17	20	82	0	00	29.28	30.32		
04	CLR	NC		10.00		42	37	40	82	3	VR	28.93	29.90	04	BKN	110		9.00		23	18	21	81	0	00	29.26	30.29		
07	OVC	039		10.00		44	39	42	83	5	26	28.94	29.93	07	OVC	100		8.00		24	19	22	81	0	00	29.27	30.30		
10	OVC	029		6.00	HZ	50	43	47	77	5	25	28.95	29.92	10	BKN	090		9.00		29	19	26	66	0	00	29.27	30.31		
13	OVC	021		5.00	HZ	54	47	50	77	13	22	28.88	29.86	13	CLR	NC		10.00		39	17	31	41	0	00	29.21	30.24		
16	CLR	NC		8.00		56	46	51	70	8	22	28.84	29.82	16	OVC	065		10.00		39	16	31	39	3	23	29.09	30.12		
19	OVC	040		10.00		56	47	51	72	6	VR	28.79	29.76	19	VV	005		0.50	SN FG	32	32	32	100	0	00	29.13	30.17		
22	OVC	044		10.00		60	48	54	65	8	23	28.70	29.65	22	OVC	006		1.00	-SN BR	31	31	31	100	0	00	29.05	30.07		
SUNRISE: 0735				FEB 04				SUNSET: 1807				SUNRISE: 0730				FEB 10				SUNSET: 1813									
01	OVC	022		2.50	RA BR	58	57	57	97	9	22	28.58	29.53	01	OVC	022		0.75	-SN BR	31	31	31	100	0	00	29.01	30.02		
04	OVC	055		5.00	-RA BR	48	44	46	86	14	27	28.67	29.63	04	OVC	016		2.00	-SN BR	31	31	31	100	0	00	28.89	29.89		
07	OVC	035		10.00		43	34	39	71	8	30	28.87	29.85	07	OVC	003		1.25	UP BR	32	32	32	100	0	00	28.85	29.87		
10	OVC	037		10.00		40	29	35	65	7	27	28.97	29.94	10	OVC	005		3.00	-SN BR	33	33	33	100	7	24	28.90	29.92		
13	CLR	NC		10.00		45	22	36	40	9	28	28.98	29.96	13	OVC	033		10.00		37	31	35	79	9	25	28.98	29.99		
16	CLR	NC		10.00		48	23	38	37	8	25	28.99	29.97	16	OVC	041		10.00		38	28	34	68	9	25	29.03	30.04		
19	CLR	NC		10.00		41	18	33	39	8	27	29.06	30.06	19	OVC	041		9.00		36	28	33	73	6	VR	29.09	30.11		
22	CLR	NC		10.00		36	20	30	52	5	VR	29.13	30.14	22	OVC	050		10.00		34	27	31	76	5	24	29.12	30.14		
SUNRISE: 0734				FEB 05				SUNSET: 1808				SUNRISE: 0729				FEB 11				SUNSET: 1814									
01	CLR	NC		10.00		33	8	26	35	0	00	29.17	30.18	01	BKN	034		10.00		32	27	30	82	5	VR	29.14	30.16		
04	CLR	NC		10.00		28	9	23	45	0	00	29.18	30.19	04	FEW	NC		7.00		29	26	28	89	3	VR	29.13	30.15		
07	CLR	NC		10.00		22	17	20	82	0	00	29.25	30.27	07	BKN	021		5.00	BR	28	26	27	92	3	20	29.11	30.14		
10	CLR	NC		10.00		30	11	24	45	0	00	29.29	30.32	10	OVC	019		7.00		32	27	30	82	6	24	29.12	30.14		
13	CLR	NC		10.00		38	5	28	25	0	00	29.29	30.31	13	CLR	NC		10.00		45	30	39	56	12	26	29.08	30.08		
16	CLR	NC		10.00		42	5	31	21	0	00	29.26	30.28	16	OVC	050		10.00		49	32	42	52	12	24	29.02	30.02		
19	CLR	NC		10.00		38	12	29	34	3	07	29.26	30.29	19	CLR	NC		10.00		46	31	40	56	5	VR	29.04	30.05		
22	CLR	NC		10.00		36	14	29	40	6	09	29.25	30.28	22	CLR	NC		10.00		40	31	36	70	0	00	29.06	30.07		
SUNRISE: 0733				FEB 06				SUNSET: 1809				SUNRISE: 0728				FEB 12				SUNSET: 1815									
01	BKN	110		10.00		34	18	29	52	0	00	29.26	30.28	01	CLR	NC		10.00		36	29	33	76	3	21	29.08	30.09		
04	OVC	090		10.00		34	20	29	56	3	06	29.24	30.25	04	BKN	110		10.00		37	29	34	73	6	20	29.10	30.10		
07	OVC	055		10.00		35	20	30	54	0	00	29.26	30.28	07	BKN	110		10.00		39	26	34	60	6	26	29.13	30.13		
10	OVC	023		5.00	HZ	35	25	31	67	6	03	29.28	30.30	10	CLR	NC		10.00		42	19	34	40	8	30	29.22	30.23		
13	BKN	034		10.00		38	33	36	83	7	03	29.19	30.20	13	CLR	NC		10.00		46	1	32	15	8	25	29.24	30.25		
16	OVC	005		3.00	-RA BR	36	35	36	97	5	05	29.13	30.15	16	CLR	NC		10.00		45	-5	31	12	12	29	29.22	30.23		
19	OVC	005		0.75	-SN BR	32	32	32	100	0	00	29.12	30.14	19	CLR	NC		10.00		40	-6	28	14	6	VR	29.25	30.26		
22	OVC	002		0.75	-SN BR	32	32	32	100	0	00	29.08	30.09	22	CLR	NC		10.00		34	-1	25	22	0	00	29.29	30.31		

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

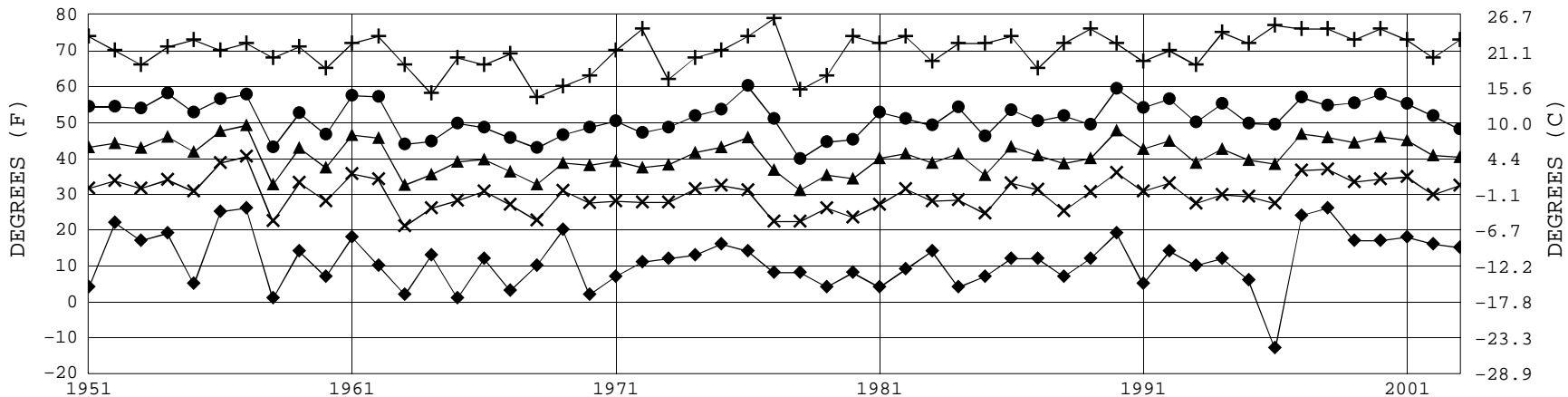
FEBRUARY 2003

OQT

WBAN # 53868

HOUR (LST)	SKY COVER		OBSERVATION TIME (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		OBSERVATION TIME (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)				
	SKY COVER	CEILING 100'S OF FT		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		EFF CLD AMT Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL			
																														DRY BULB	DEW POINT	WET BULB
SUNRISE: 0727 FEB 13 SUNSET: 1816							SUNRISE: 0720 FEB 19 SUNSET: 1822																									
01	CLR	NC			10.00		30	6	23	36	0	00	29.32	30.33	01	CLR	NC			4.00	HZ			0	00	29.27						
04	CLR	NC			10.00		24	13	21	62	0	00	29.33	30.35	04	CLR	NC			4.00	HZ			0	00	29.27						
07	CLR	NC			10.00		22	15	20	75	3	23	29.34	30.37	07	CLR	NC			4.00	HZ			0	00	29.28						
10	CLR	NC			10.00		34	14	28	44	3	27	29.36	30.39	10	CLR	NC			5.00	HZ			0	00	29.29						
13	CLR	NC			10.00		46	16	35	30	3	VR	29.31	30.32	13	BKN	090			10.00				50	33	42	52	8	25	29.26		
16	CLR	NC			10.00		50	20	38	31	9	23	29.24	30.26	16	OVC	080			10.00				52	34	44	50	6	VR	29.21		
19	CLR	NC			10.00		47	25	38	42	0	00	29.25	30.27	19	OVC	070			10.00				51	34	43	52	0	00	29.21		
22	CLR	NC			10.00		36	28	33	73	0	00	29.25	30.27	22	OVC	045			3.00	-RA BR			46	45	46	96	0	00	29.27		
SUNRISE: 0725 FEB 14 SUNSET: 1817							SUNRISE: 0719 FEB 20 SUNSET: 1823																									
01	CLR	NC			10.00		34	29	32	82	0	00	29.22	30.24	01	OVC	043			3.00	-RA BR			45	44	45	97	0	00	29.28	30.27	
04	CLR	NC			10.00		34	30	32	85	0	00	29.19	30.19	04	OVC	043			4.00	-RA BR			44	43	44	96	6	07	29.28	30.27	
07	OVC	080			10.00		35	29	33	78	0	00	29.19	30.20	07	OVC	041			4.00	BR			44	42	43	93	5	06	29.29	30.28	
10	OVC	040			2.00	-RA BR	37	36	37	96	3	VR	29.21	30.22	10	OVC	012			4.00	BR			46	43	45	89	6	04	29.30	30.30	
13	OVC	007			1.75	-RA BR	39	39	39	100	0	00	29.14	30.15	13	OVC	034			3.00	-RA BR			48	45	47	89	3	08	29.28	30.27	
16	OVC	042			1.00	RA BR	40	40	40	100	0	00	29.05	30.05	16	OVC	017			3.00	BR			49	46	47	90	5	09	29.22	30.22	
19	OVC	012			1.50	+RA BR	43	43	43	100	0	00	29.03	30.02	19	OVC	013			4.00	BR			48	47	47	96	0	00	29.20	30.19	
22	OVC	047			3.00	-RA BR	44	44	44	100	6	VR	29.00	30.00	22	OVC	050			3.00	BR			48	47	47	96	0	00	29.18	30.17	
SUNRISE: 0724 FEB 15 SUNSET: 1818							SUNRISE: 0717 FEB 21 SUNSET: 1824																									
01	OVC	007			5.00	BR	44	44	44	100	0	00	28.97	29.96	01	OVC	050			1.75	BR			47	46	46	97	0	00	29.15	30.14	
04	OVC	023			4.00	BR	45	44	45	97	5	23	28.95	29.94	04	OVC	007			0.25	FG			44	44	44	100	0	00	29.08	30.08	
07	OVC	017			3.00	-RA BR	47	46	46	97	5	VR	28.96	29.95	07	OVC	001			0.50	-RA FG			44	44	44	100	0	00	29.07	30.06	
10	OVC	015			1.25	BR	48	48	48	100	3	21	28.98	29.96	10	OVC	002			1.25	-RA BR			45	45	45	100	0	00	29.04	30.03	
13	OVC	011			0.25	+RA FG	50	50	50	100	0	00	28.97	29.96	13	OVC	005			1.75	-RA BR			48	48	48	100	5	01	28.94	29.92	
16	OVC	009			0.50	RA FG	51	51	51	100	0	00	28.93	29.91	16	OVC	019			3.00	BR			51	49	50	92	0	00	28.86	29.84	
19	OVC	008			0.50	-RA					0	00	28.94	29.91	19	OVC	055			2.50	BR			50	49	49	96	0	00	28.86	29.84	
22	OVC	004			0.75	+RA BR	56	54	55	93	3	04	28.91	29.88	22	OVC	035			1.75	BR			49	49	49	100	3	04	28.80	29.79	
SUNRISE: 0723 FEB 16 SUNSET: 1819							SUNRISE: 0716 FEB 22 SUNSET: 1825																									
01	OVC	005			2.50	-RA BR	59	55	57	87	0	00	28.91	29.88	01	OVC	017			1.50	-RA BR			50	49	49	96	6	07	28.71	29.67	
04	OVC	009			4.00	RA	63	55	58	76	7	08	28.88	29.85	04	OVC	009			1.25	+RA BR			49	49	49	100	7	06	28.56	29.52	
07	OVC	005			3.00	-RA	62	51	56	67	7	05	28.87	29.83	07	OVC	019			2.50	RA BR			50	50	50	100	0	00	28.53	29.49	
10	OVC	005			2.00	RA	58	48	53	70	8	06	28.88	29.85	10	OVC	007			5.00	-RA BR			53	52	52	96	3	05	28.43	29.39	
13	OVC	009			3.00	RA	58	47	52	67	7	05	28.87	29.83	13	BKN	044			10.00				59	56	57	90	6	05	28.28	29.22	
16	OVC	015			2.50	-RA	56	47	51	72	5	VR	28.86	29.81	16	BKN	060			10.00				72	53	61	52	17	20	28.16	29.09	
19	OVC	004			2.00	-RA	52	47	49	83	0	00	28.89	29.85	19	OVC	100			10.00				62	47	54	58	16	24	28.26	29.20	
22	OVC	010			2.50	-RA	49	42	46	77	0	00	28.91	29.88	22	OVC	038			10.00				54	50	52	87	10	21	28.31	29.25	
SUNRISE: 0722 FEB 17 SUNSET: 1820							SUNRISE: 0715 FEB 23 SUNSET: 1826																									
01	OVC	014			10.00		46	40	43	79	3	VR	28.93	29.90	01	OVC	036			10.00	-RA			40	34	37	79	9	27	28.45	29.41	
04	OVC	014			10.00		49	37	43	64	5	VR	28.92	29.89	04	OVC	033			3.00	-SN			35	30	33	82	9	26	28.62	29.57	
07	OVC	018			10.00		45	35	41	68	5	23	28.96	29.94	07	OVC	038			7.00				34	28	32	79	9	27	28.79	29.77	
10	OVC	033			10.00		45	34	40	66	6	23	28.99	29.98	10	BKN	036			10.00				36	30	34	79	6	21	28.94	29.93	
13	OVC	012			10.00		50	35	43	57	8	22	28.99	29.97	13	CLR	NC			10.00				41	28	36	60	8	22	29.02	30.01	
16	OVC	014			8.00						7	27	29.01		16	CLR	NC			10.00				45	29	38	54	5	VR	29.03	30.03	
19	OVC	023			10.00						6	VR	29.08		19	CLR	NC			10.00				42	30	37	62	0	00	29.07	30.07	
22	OVC	023			10.00						8	26	29.11		22	FEW	NC			8.00				38	31	35	76	5	05	29.09	30.11	
SUNRISE: 0721 FEB 18 SUNSET: 1821							SUNRISE: 0714 FEB 24 SUNSET: 1827																									
01	OVC	018			10.00						5	25	29.13		01	OVC	095			9.00				38	31	35	76	6	08	29.07	30.07	
04	OVC	016			9.00						7	VR	29.17		04	OVC	055			8.00				38	32	35	79	0	00	29.06	30.05	
07	OVC	012			7.00						6	26	29.23		07	OVC	042			8.00				41	35	38	79	6	VR	29.08	30.08	
10	OVC	018			8.00						8	21	29.27		10	SCT	NC			10.00				51	39	45	64	13	21	29.19	30.19	
13	OVC	019			7.00		47	28	39	48	5	VR	29.26		13	CLR	NC			10.00				51	35	44	54	12	30	29.25	30.25	
16	OVC	019			5.00	HZ					6	17	29.25		16	CLR	NC			10.00				49	31	41	50	8	28	29.27	30.27	
19	OVC	021			5.00	HZ					3	VR	29.29		19	CLR	NC			10.00				44	31	39	60	0	00	29.30	30.30	
22	CLR	NC			5.00	HZ					0	00	29.29		22	CLR	NC			10.00				37	32	35	82	0	00	29.34	30.35	

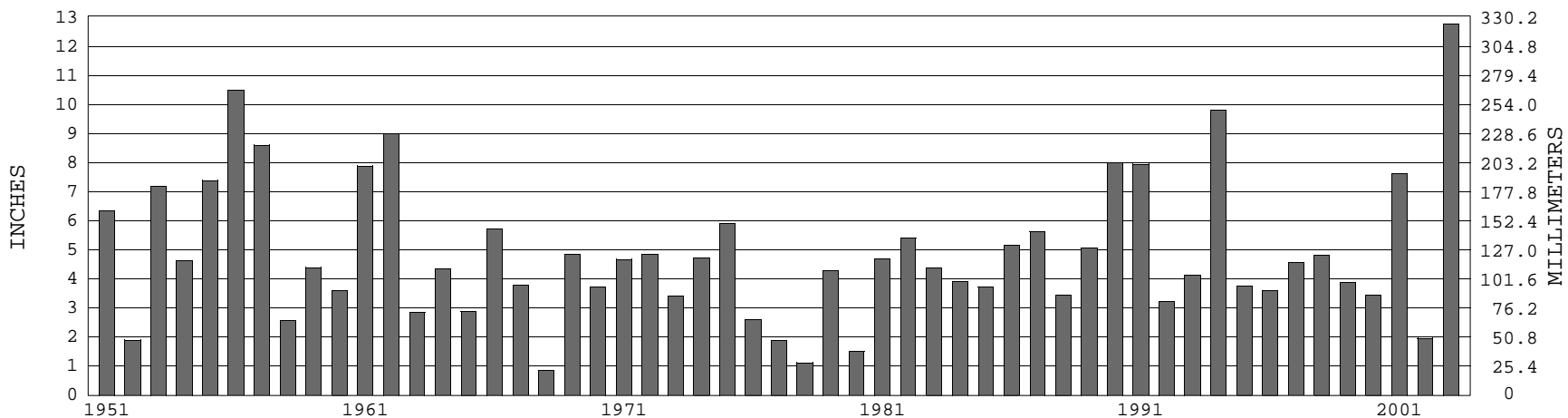
OAK RIDGE, TN FEBRUARY TEMPERATURES



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

Long-Term (1951-2003) Mean: 40.7 1961-1990 Normal: 40.6

OAK RIDGE, TN FEBRUARY PRECIPITATION



Long-Term (1951-2003) Mean Monthly Total: 4.89

1961-1990 Normal: 4.50



FEBRUARY 2003

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.

DIRECTOR

NCDC now offers an annual online subscription for the **Edited Local Climatological Data Publication**. When you purchase this subscription service, you will have **immediate online access** to all previous publications back to July 1996 and all publications thereafter until the expiration of the subscription. Your subscription is valid for one year after purchase. **The total cost is \$29 for online delivery (including back issues) compared to \$34 for offline delivery.** To order this and other subscriptions on-line with your credit card, go to: www.ncdc.noaa.gov and choose subscriptions.

We welcome your questions or comments, please contact us at
Toll Free Number (866) 742–3322 (voice)
Fax Number :(304) 726–4409
TDD : 828–271–4010
or Email : ncdc.info@noaa.gov
Local Climatological Data is available at www.ncdc.noaa.gov

For address correction, please return a photocopy of this page to Subscription Services indicating changes

NCDC Subscription Services Center
310 State Route 956 Building 300
Rocket Center, WV 26726

OFFICIAL BUSINESS. PENALTY FOR PRIVATE USE \$300

FIRST CLASS
POSTAGE AND FEES PAID
NOAA
PERMIT G-19