



FEBRUARY 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 #: -

FEBRUARY 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											
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	50	35	43	7	30	37	22	0					0.00	29.18	30.18	1.2	21	2.1	10	21	8	20	01									
02	42	25	34	-2	17	29	31	0					0.00	29.23	30.24	3.9	27	6.1	23	29	17	27	02									
03	47	18*	33	-3	11	24	32	0					0.00	29.31	30.34	0.5	13	1.7	12	22	9	05	03									
04	53	23	38	2	19	32	27	0					0.00	29.18	30.19	2.3	23	2.9	21	21	15	20	04									
05	45	29	37	0	28	34	28	0					0.00	29.12	30.12	2.8	25	3.8	16	26	13	25	05									
06	59	23	41	4	27	34	24	0	BR				0.00	29.16	30.17	1.2	24	2.1	16	23	10	22	06									
07	65	31	48	11	32	40	17	0					0.00	29.28	30.28	0.1	08	.1	7	10	5	06	07									
08	70	31	51	14	37	44	14	0	BR				0.00	29.33	30.32	2.4	23	2.7	18	24	14	21	08									
09	73*	46	60*	23	48	53	5	0	RA BR				0.64	29.09	30.06	8.4	22	10.0	35*	20	25*	22	09									
10	53	31	42	5	30	35	23	0					0.00	29.31	30.31	5.1	02	7.5	17	07	14	06	10									
11	48	29	39	1	25	33	26	0	RA				0.11	29.42	30.44	5.5	05	6.1	22	06	17	06	11									
12	46	39	43	5	41	42	22	0	RA BR				0.03	29.42	30.42	0.5	06	2.2	8	18	7	19	12									
13	49	43	46	8	46	46	19	0	RA BR				0.51	29.36	30.36	0.1	17	.7	8	20	7	20	13									
14	55	47	51	13	52	52	14	0	RA FG+ BR				0.59	29.13	30.11	1.9	24	2.3	12	26	9	26	14									
15	60	54	57	18	57	57	8	0	RA FG BR				1.36	29.03	30.00	1.1	10	2.8	13	03	9	03	15									
16	58	46	52	13	52	53	13	0	RA BR				2.35	28.99	29.96	5.2	04	6.4	24	35	16	36	16									
17	46	28	37	-2	22	32	28	0	RA				0.01	29.35	30.36	7.7	35	8.4	24	35	18	35	17									
18	41	23	32*	-7	16	26	33	0					0.00	29.50	30.54	2.4	05	3.5	13	03	10	07	18									
19	58	26	42	2	26	36	23	0					0.00	29.34	30.36	3.0	22	4.6	22	23	16	22	19									
20	58	39	49	9	39	45	16	0					0.00	29.26	30.25	2.9	24	3.5	14	27	9	25	20									
21	53	40	47	7	38	44	18	0	RA BR				0.05	29.26	30.25	4.3	06	4.6	15	06	12	06	21									
22	46	36	41	0	38	40	24	0	RA BR				1.08	29.10	30.10	1.6	06	2.9	13	06	9	08	22									
23	56	35	46	5	35	39	19	0	BR				0.00	29.32	30.33	1.2	04	1.4	12	01	8	06	23									
24	70	33	52	11	42	47	13	0	BR				0.00	29.24	30.23	3.5	21	4.7	26	16	18	20	24									
25	71	47	59	17	47	53	6	0	RA BR				0.89	29.12	30.08	6.6	23	6.9	24	26	18	21	25									
26	60	37	49	7	31	41	16	0					0.00	29.32	30.31	3.0	07	3.7	15	05	12	06	26									
27	60	37	49	7	31	41	16	0	RA				T	29.23	30.22	0.6	04	2.1	10	21	7	22	27									
28	54	41	48	5	33	41	17	0					0.00	29.11	30.10	4.8	05	5.2	17	07	14	06	28									
< MONTHLY AVERAGES										TOTALS-->																						
55.2										34.7		45.0		■ ■		33.9		40.4		19.8		0.0		<-- MONTHLY AVERAGES								
5.4										7.0		6.2		■ ■		<-----DEPARTURE FROM NORMAL----->										3.28		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3				
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 2.90 DATE: 15-16				SEA LEVEL PRESSURE				DATE TIME															
MONTHLY TOTAL DEPARTURE									SEASON TO DATE TOTAL DEPARTURE				GREATEST 24-HR SNOWFALL:				MAXIMUM				: 30.64 18 0953											
HEATING: 554 -180									3146 -159				GREATEST SNOW DEPTH:				MINIMUM				: 29.83 16 1553											
COOLING: 0 0									0 0				NUMBER OF DAYS WITH →				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32: 12				PRECIPITATION ≥ 0.01 INCH : 11							
																	MAXIMUM TEMP ≤ 32 : 0				MINIMUM TEMP ≤ 0 : 0				PRECIPITATION ≥ 0.10 INCH : 8							
																					THUNDERSTORMS : 0				HEAVY FOG : 1				SNOWFALL ≥ 1.0 INCH :			

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN

FEBRUARY 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												01			0.00		
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													08												08			0.00		
09													09								T	0.25	0.21	0.18	09			0.64		
10													10												10			0.00		
11													11												11			0.11		
12	T	T		T									12	T				0.01							12			0.03		
13					0.01			0.01					13	0.01	T		0.03	0.05	0.01						13			0.51		
14	T	0.02	0.04	0.03	0.10	0.01	0.12	0.04	0.02	0.02	0.06	0.06	14	0.01	T	0.04	0.05	0.04	0.03	0.03	0.08	0.10	0.05	0.03	0.01	14			0.59	
15	0.09	0.13	0.06	0.06	0.01	0.17	0.04	0.01	0.05	0.02	T	0.01	15	0.01	T				T	0.03	0.04	0.01	0.32	0.22	0.06	0.02	15			1.36
16	T	0.01	0.03	0.01	0.03	0.13	0.13	0.08	0.24	0.13	0.02	T	16	T		0.20	0.22	0.36	0.20	0.24	0.24	0.07	T	0.01		16			2.35	
17	T	T	0.01										17												17			0.01		
18													18												18			0.00		
19													19												19			0.00		
20													20												20			0.00		
21					T	T		0.01	0.04				21		T										21			0.05		
22		0.03	0.23	0.44	0.12	0.06	0.16		0.02	T	0.01	0.01	22												22			1.08		
23													23												23			0.00		
24													24												24			0.00		
25					0.12	0.34	0.24	0.04	0.15	T	T		25												25			0.89		
26													26												26			0.00		
27													27						T						27			T		
28													28							T					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)	.11	.16	.18	.21	.26	.36	.45	.55	.68	.71	.78	.89
Ending Date	16	16	15	15	15	22	22	22	22	22	16	16
Ending Time (Hour/Min)	1545	1428	2055	2055	2058	0349	0400	0344	0400	0400	1810	1838

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 FEBRUARY 2001

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:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR–SS		MN–MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							10.00	10.00	
02							10.00	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							4.00	10.00	
07							10.00	10.00	
08							6.00	10.00	
09							3.00	10.00	
10							10.00	10.00	
11							7.00	10.00	
12							1.75	10.00	
13							1.75	9.00	
14							.25	9.00	
15							.50	10.00	
16							1.25	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							8.00	10.00	
21							2.00	10.00	
22							1.25	10.00	
23							6.00	10.00	
24							6.00	10.00	
25							1.50	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							10.00	10.00	
MONTHLY AVGS							6.71	9.93	
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 1 8 16									

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

FEBRUARY 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)
SUNRISE: 0737				FEB 01				SUNSET: 1804				SUNRISE: 0732				FEB 07				SUNSET: 1810						
01	OVC	050		10.00	42	30	37	62	5	23	29.10	30.10	01	SCT	NC		10.00	35	29	33	78	0	00	29.20	30.20	
04	OVC	038		10.00	42	30	37	62	3	25	29.13	30.12	04	CLR	NC		10.00	31	27	29	85	0	00	29.21	30.21	
07	OVC	038		10.00	40	32	37	73	0	00	29.18	30.18	07	OVC	075		10.00	35	33	34	93	0	00	29.27	30.27	
10	CLR	NC		10.00	42	31	37	65	5	20	29.24	30.24	10	OVC	065		10.00	41	32	37	70	0	00	29.33	30.34	
13	CLR	NC		10.00	46	30	39	54	5	05	29.19	30.19	13	FEW	NC		10.00	58	32	46	38	0	00	29.31	30.30	
16	CLR	NC		10.00	49	30	41	48	3	VR	29.17	30.17	16	OVC	090		10.00	64	33	49	32	0	00	29.26	30.26	
19	CLR	NC		10.00	43	30	38	60	3	20	29.19	30.20	19	CLR	NC		10.00	53	36	45	52	0	00	29.27	30.28	
22	CLR	NC		10.00	38	30	35	73	0	00	29.19	30.20	22	CLR	NC		10.00	42	36	39	79	0	00	29.30	30.31	
SUNRISE: 0736				FEB 02				SUNSET: 1805				SUNRISE: 0731				FEB 08				SUNSET: 1811						
01	BKN	120		10.00	35	31	33	85	0	00	29.18	30.19	01	CLR	NC		10.00	38	35	37	89	0	00	29.31	30.30	
04	CLR	NC		10.00	33	28	31	82	3	22	29.17	30.17	04	CLR	NC		10.00	34	32	33	92	0	00	29.33	30.32	
07	CLR	NC		10.00	30	27	29	88	3	21	29.15	30.16	07	CLR	NC		9.00	31	30	31	96	0	00	29.38	30.38	
10	CLR	NC		10.00	40	25	34	55	10	23	29.19	30.20	10	CLR	NC		10.00	43	35	40	74	0	00	29.42	30.42	
13	CLR	NC		10.00	39	19	32	45	12	27	29.24	30.25	13	CLR	NC		10.00	65	36	51	34	6	VR	29.36	30.35	
16	CLR	NC		10.00	39	2	28	21	10	25	29.24	30.26	16	CLR	NC		10.00	70	40	54	34	13	22	29.29	30.27	
19	CLR	NC		10.00	34	0	25	23	6	29	29.29	30.32	19	CLR	NC		10.00	61	42	51	50	0	00	29.28	30.27	
22	CLR	NC		10.00	28	7	22	41	3	03	29.31	30.33	22	CLR	NC		10.00	56	39	48	53	5	25	29.29	30.28	
SUNRISE: 0736				FEB 03				SUNSET: 1806				SUNRISE: 0730				FEB 09				SUNSET: 1812						
01	CLR	NC		10.00	24	9	20	52	5	08	29.32	30.35	01	CLR	NC		10.00	50	41	46	71	0	00	29.26	30.23	
04	CLR	NC		10.00	20	10	17	65	0	00	29.32	30.35	04	CLR	NC		10.00	47	41	44	80	0	00	29.21	30.18	
07	CLR	NC		10.00	19	11	17	71	0	00	29.36	30.39	07	CLR	NC		10.00	54	46	50	75	5	VR	29.19	30.16	
10	CLR	NC		10.00	26	12	22	55	3	VR	29.38	30.42	10	CLR	NC		10.00	58	48	53	70	10	26	29.19	30.16	
13	CLR	NC		10.00	38	9	29	30	3	VR	29.33	30.35	13	BKN	041		10.00	69	52	59	55	17	21	29.08	30.04	
16	CLR	NC		10.00	47	5	33	18	7	VR	29.28	30.30	16	CLR	NC		10.00	73	48	59	41	20	22	28.98	29.94	
19	CLR	NC		10.00	38	12	29	34	0	00	29.27	30.30	19	OVC	095		10.00	71	49	59	46	15	21	28.92	29.87	
22	CLR	NC		10.00	30	15	25	54	0	00	29.27	30.31	22	OVC	060		3.00	+RA BR	57	56	56	96	13	27	28.98	29.94
SUNRISE: 0735				FEB 04				SUNSET: 1807				SUNRISE: 0729				FEB 10				SUNSET: 1813						
01	CLR	NC		10.00	26	18	23	71	0	00	29.27	30.29	01	OVC	033		10.00	52	49	50	89	7	27	29.08	30.03	
04	CLR	NC		10.00	25	18	23	75	0	00	29.25	30.27	04	BKN	040		10.00	46	38	42	73	9	29	29.15	30.12	
07	CLR	NC		10.00	23	18	21	81	0	00	29.26	30.29	07	FEW	NC		10.00	38	31	35	76	8	34	29.24	30.22	
10	CLR	NC		10.00	39	21	32	48	3	VR	29.24	30.26	10	OVC	020		10.00	35	29	33	78	8	03	29.35	30.35	
13	FEW	NC		10.00	49	20	38	32	10	23	29.17	30.18	13	OVC	024		10.00	38	29	34	70	9	03	29.36	30.36	
16	FEW	NC		10.00	51	17	38	26	7	22	29.09	30.10	16	OVC	030		10.00	38	27	34	65	12	06	29.36	30.37	
19	OVC	065		10.00	49	18	37	29	0	00	29.10	30.11	19	CLR	NC		10.00	33	24	30	70	8	04	29.41	30.42	
22	OVC	080		10.00	46	21	36	37	3	23	29.09	30.09	22	BKN	028		10.00	32	23	29	69	6	01	29.42	30.45	
SUNRISE: 0734				FEB 05				SUNSET: 1808				SUNRISE: 0728				FEB 11				SUNSET: 1814						
01	CLR	NC		10.00	40	24	34	53	0	00	29.08	30.08	01	CLR	NC		10.00	31	23	28	72	6	04	29.41	30.42	
04	BKN	120		10.00	31	24	28	76	0	00	29.05	30.05	04	CLR	NC		10.00	30	22	27	72	8	05	29.42	30.44	
07	OVC	080		10.00	37	28	34	70	3	VR	29.08	30.07	07	CLR	NC		10.00	29	22	27	75	8	05	29.45	30.48	
10	OVC	033		10.00	40	33	37	77	6	25	29.13	30.13	10	FEW	NC		10.00	35	23	31	61	12	04	29.46	30.50	
13	OVC	037		10.00	41	28	36	60	7	VR	29.14	30.15	13	CLR	NC		10.00	43	23	35	45	7	VR	29.44	30.45	
16	OVC	036		10.00	42	29	37	60	5	26	29.13	30.15	16	CLR	NC		10.00	47	24	38	41	7	02	29.37	30.39	
19	OVC	048		10.00	41	29	36	62	3	26	29.17	30.18	19	CLR	NC		10.00	45	25	37	46	0	00	29.38	30.40	
22	CLR	NC		10.00	32	28	31	85	0	00	29.16	30.18	22	OVC	070		10.00	-RA	43	31	38	63	0	00	29.40	30.41
SUNRISE: 0733				FEB 06				SUNSET: 1809				SUNRISE: 0727				FEB 12				SUNSET: 1815						
01	CLR	NC		10.00	29	26	28	89	0	00	29.15	30.17	01	OVC	050		7.00	-RA	39	39	39	100	3	18	29.42	30.42
04	CLR	NC		10.00	26	24	25	92	0	00	29.16	30.18	04	OVC	050		8.00	-RA	41	40	41	96	0	00	29.39	30.39
07	CLR	NC		9.00	23	21	22	92	0	00	29.18	30.21	07	OVC	044		6.00	BR	41	40	41	96	3	06	29.44	30.44
10	CLR	NC		10.00	35	28	32	76	3	22	29.20	30.22	10	OVC	055		7.00	-RA	43	41	42	93	3	36	29.45	30.47
13	CLR	NC		10.00	50	29	41	44	5	25	29.14	30.15	13	OVC	050		10.00	-RA	45	40	43	83	0	00	29.42	30.42
16	CLR	NC		10.00	59	27	45	29	8	24	29.08	30.08	16	OVC	020		10.00	46	42	44	86	0	00	29.39	30.39	
19	CLR	NC		10.00	50	30	41	46	0	00	29.13	30.15	19	OVC	006		3.00	BR	43	43	43	100	0	00	29.40	30.40
22	CLR	NC		10.00	39	30	35	70	0	00	29.18	30.19	22	OVC	007		3.00	BR	43	43	43	100	3	22	29.42	30.42

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

FEBRUARY 2001

QQT

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)
SUNRISE: 0726					FEB 13				SUNSET: 1816				SUNRISE: 0719					FEB 19				SUNSET: 1822			
01	OVC	005	4.00	BR	43	43	43	100	0	00	29.40	30.41	01	CLR	NC	10.00		29	22	27	75	0	00	29.40	30.43
04	OVC	005	2.00	BR	43	43	43	100	5	21	29.40	30.40	04	CLR	NC	10.00		28	23	26	81	0	00	29.41	30.43
07	OVC	008	5.00	BR	44	43	44	96	0	00	29.42	30.43	07	CLR	NC	10.00		27	24	26	89	0	00	29.39	30.42
10	OVC	005	6.00	BR	45	44	45	97	0	00	29.42	30.42	10	CLR	NC	10.00		38	19	31	47	5	VR	29.43	30.45
13	OVC	007	5.00	-RA BR	48	46	47	93	0	00	29.37	30.37	13	CLR	NC	10.00		53	28	42	38	14	21	29.35	30.36
16	OVC	007	4.00	-RA BR	49	49	49	100	0	00	29.32	30.32	16	CLR	NC	10.00		58	29	45	33	7	VR	29.27	30.28
19	OVC	008	5.00	-RA BR	49	48	48	97	0	00	29.32	30.31	19	CLR	NC	10.00		53	30	43	41	5	22	29.26	30.27
22	OVC	014	4.00	-RA BR	48	48	48	100	5	03	29.28	30.28	22	CLR	NC	10.00		49	31	41	50	5	VR	29.26	30.27
SUNRISE: 0725					FEB 14				SUNSET: 1817				SUNRISE: 0718					FEB 20				SUNSET: 1823			
01	OVC	002	2.50	BR	48	48	48	100	5	26	29.23	30.22	01	CLR	NC	10.00		45	31	39	58	5	VR	29.28	30.27
04	OVC	006	5.00	-RA BR	49	48	48	97	5	25	29.19	30.18	04	CLR	NC	10.00		42	31	37	65	5	24	29.27	30.26
07	OVC	015	2.50	RA BR	49	49	49	100	3	22	29.18	30.17	07	OVC	070	10.00		42	33	38	71	0	00	29.28	30.27
10	OVC	004	2.00	BR	51	51	51	100	6	24	29.18	30.16	10	OVC	065	10.00		50	35	43	57	6	27	29.30	30.29
13	OVC	002	0.75	-RA BR	52	52	52	100	3	VR	29.12	30.11	13	OVC	060	10.00		53	42	48	66	8	25	29.28	30.27
16	OVC	002	0.75	BR	53	53	53	100	3	24	29.08	30.05	16	OVC	070	10.00		57	44	50	62	0	00	29.23	30.22
19	OVC	002	0.75	BR	54	54	54	100	0	00	29.08	30.05	19	OVC	036	10.00		55	46	50	72	0	00	29.23	30.22
22	VV	001	0.25	FG	54	54	54	100	0	00	29.05	30.01	22	OVC	065	8.00		52	46	49	80	0	00	29.24	30.23
SUNRISE: 0724					FEB 15				SUNSET: 1818				SUNRISE: 0717					FEB 21				SUNSET: 1824			
01	OVC	008	2.50	RA BR	58	58	58	100	3	26	28.99	29.95	01	OVC	075	8.00		52	46	49	80	0	00	29.23	30.21
04	OVC	045	3.00	-RA BR	58	58	58	100	0	00	29.00	29.96	04	OVC	070	7.00		51	47	49	86	0	00	29.19	30.18
07	OVC	060	6.00	-RA BR	57	56	56	96	5	23	29.06	30.02	07	OVC	032	10.00		51	46	49	83	6	05	29.24	30.22
10	OVC	013	4.00	-RA BR	57	57	57	100	0	00	29.08	30.05	10	OVC	060	8.00		48	45	47	89	9	07	29.30	30.29
13	OVC	013	5.00	-RA BR	59	58	58	96	8	15	29.06	30.02	13	OVC	080	10.00		49	33	42	55	10	05	29.34	30.33
16	OVC	015	10.00		60	55	57	84	0	00	29.01	29.96	16	OVC	095	10.00		52	33	44	49	8	07	29.30	30.28
19	OVC	015	8.00	-RA	57	57	57	100	0	00	29.02	29.99	19	CLR	NC	10.00		49	28	40	45	0	00	29.28	30.27
22	OVC	030	4.00	RA BR	56	56	56	100	7	06	29.05	30.01	22	SCT	NC	10.00		41	29	36	62	0	00	29.23	30.23
SUNRISE: 0723					FEB 16				SUNSET: 1819				SUNRISE: 0716					FEB 22				SUNSET: 1825			
01	OVC	027	10.00		56	55	55	97	5	01	29.06	30.02	01	CLR	NC	10.00		42	23	35	47	6	04	29.09	30.09
04	OVC	025	10.00	-RA	56	55	55	97	6	06	29.03	29.99	04	OVC	020	3.00	+RA BR	37	36	37	96	8	07	29.08	30.07
07	OVC	032	3.00	+RA BR	55	55	55	100	5	04	29.02	29.98	07	OVC	027	3.00		37	36	37	96	0	00	29.06	30.05
10	OVC	029	2.00	RA BR	56	55	55	97	7	05	29.02	29.98	10	OVC	004	2.50	BR	38	38	38	100	3	05	29.08	30.09
13	OVC	011	10.00		57	56	56	96	5	02	28.96	29.92	13	OVC	004	4.00	BR	43	41	42	93	0	00	29.06	30.05
16	OVC	030	1.50	+RA BR	55	54	54	96	8	08	28.87	29.83	16	OVC	004	6.00	BR	45	43	44	93	0	00	29.07	30.07
19	OVC	050	3.00	+RA BR	49	47	48	93	6	35	29.03	30.01	19	OVC	009	10.00		45	42	44	90	3	VR	29.11	30.11
22	OVC	031	10.00		47	43	45	86	9	02	29.01	29.98	22	OVC	018	10.00		42	38	40	85	0	00	29.18	30.19
SUNRISE: 0722					FEB 17				SUNSET: 1820				SUNRISE: 0714					FEB 23				SUNSET: 1826			
01	OVC	065	10.00		43	37	40	80	15	34	29.08	30.06	01	FEW	NC	10.00		39	35	37	86	0	00	29.24	30.25
04	OVC	025	10.00		39	33	37	79	9	35	29.23	30.22	04	OVC	015	10.00		37	35	36	93	0	00	29.26	30.26
07	CLR	NC	10.00		35	25	31	67	8	35	29.30	30.30	07	OVC	013	10.00		37	34	36	89	0	00	29.31	30.32
10	CLR	NC	10.00		36	22	31	57	7	35	29.36	30.37	10	OVC	011	10.00		37	33	35	86	5	01	29.37	30.39
13	CLR	NC	10.00		41	17	33	38	8	33	29.38	30.39	13	CLR	NC	10.00		46	35	41	66	0	00	29.39	30.39
16	CLR	NC	10.00		42	17	33	36	12	03	29.38	30.39	16	CLR	NC	10.00		55	37	47	51	0	00	29.32	30.31
19	CLR	NC	10.00		35	15	28	44	10	35	29.45	30.48	19	CLR	NC	10.00		49	38	44	66	0	00	29.32	30.32
22	CLR	NC	10.00		31	15	26	52	3	34	29.48	30.51	22	FEW	NC	10.00		43	37	40	80	3	03	29.35	30.36
SUNRISE: 0720					FEB 18				SUNSET: 1821				SUNRISE: 0713					FEB 24				SUNSET: 1827			
01	CLR	NC	10.00		28	17	25	63	5	05	29.48	30.51	01	CLR	NC	10.00		38	36	37	93	0	00	29.33	30.33
04	CLR	NC	10.00		25	17	23	72	3	06	29.50	30.53	04	CLR	NC	8.00		36	34	35	93	0	00	29.31	30.30
07	CLR	NC	10.00		24	15	21	68	3	04	29.53	30.58	07	CLR	NC	7.00		33	32	33	96	0	00	29.31	30.32
10	CLR	NC	10.00		28	14	24	56	6	10	29.59	30.64	10	OVC	045	10.00		47	40	44	77	0	00	29.32	30.32
13	CLR	NC	10.00		35	13	28	40	6	VR	29.55	30.59	13	FEW	NC	10.00		66	41	53	40	7	VR	29.24	30.22
16	CLR	NC	10.00		39	14	31	36	5	11	29.46	30.50	16	OVC	050	10.00		65	49	56	56	14	21	29.17	30.15
19	CLR	NC	10.00		36	16	29	44	0	00	29.45	30.48	19	OVC	037	10.00		62	50	55	65	13	21	29.17	30.16
22	CLR	NC	10.00		32	22	28	66	0	00	29.46	30.50	22	OVC	060	10.00		59	50	54	72	3	26	29.13	30.11

OBSERVATIONS AT 3-HOURLY INTERVALS

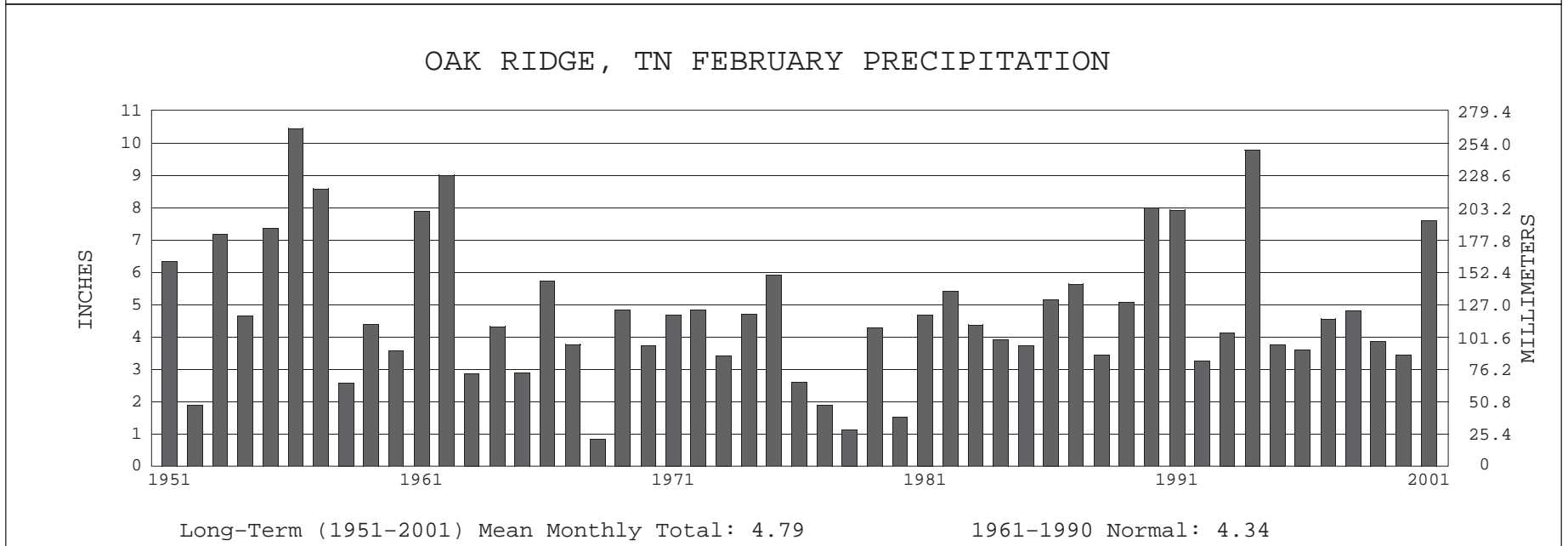
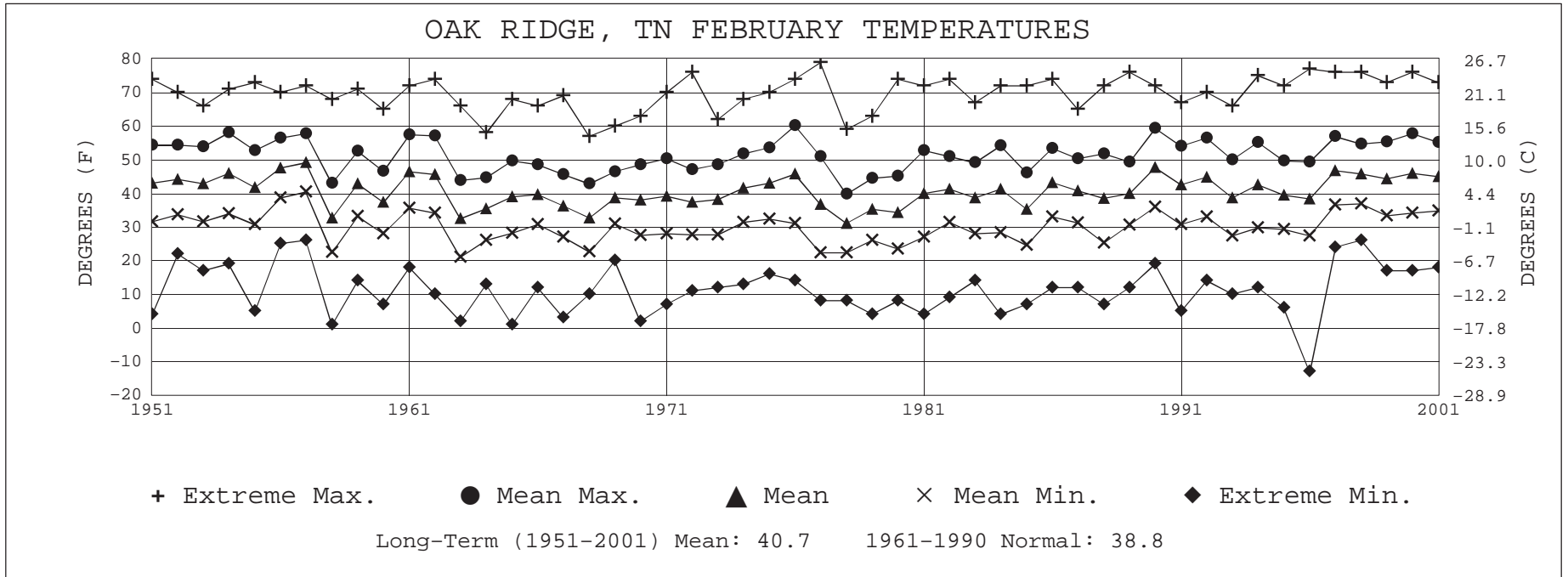
OAK RIDGE, TN

FEBRUARY 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	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: 0712				FEB 25				SUNSET: 1828				SUNRISE: FEB 31				SUNSET:																																																																																																																																																																																																																																																																																																																																																										
01	OVC	070			58	50	54	75	0	00	29.10	30.06																																																																																																																																																																																																																																																																																																																																																														
04	OVC	060			63	52	57	68	8	22	29.05	30.00																																																																																																																																																																																																																																																																																																																																																														
07	OVC	019		RA BR	57	56	56	96	6	23	29.08	30.04																																																																																																																																																																																																																																																																																																																																																														
10	OVC	070			56	53	54	90	8	22	29.11	30.09																																																																																																																																																																																																																																																																																																																																																														
13	CLR	NC			64	51	57	63	10	21	29.10	30.06																																																																																																																																																																																																																																																																																																																																																														
16	CLR	NC			71	42	56	35	16	22	29.08	30.02																																																																																																																																																																																																																																																																																																																																																														
19	CLR	NC			65	33	50	31	6	24	29.15	30.11																																																																																																																																																																																																																																																																																																																																																														
22	CLR	NC			54	39	47	57	0	00	29.20	30.18																																																																																																																																																																																																																																																																																																																																																														
SUNRISE: 0711				FEB 26				SUNSET: 1829				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, VV = 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.																																																																																																																																																																																																																																																																																																																																																														
01	CLR	NC			46	39	43	77	0	00	29.23													30.21																																																																																																																																																																																																																																																																																																																																																		
04	CLR	NC			41	36	39	82	0	00	29.28													30.26																																																																																																																																																																																																																																																																																																																																																		
07	CLR	NC			38	35	37	89	0	00	29.35													30.33																																																																																																																																																																																																																																																																																																																																																		
10	CLR	NC			49	34	42	57	7	07	29.39													30.38																																																																																																																																																																																																																																																																																																																																																		
13	CLR	NC			55	32	45	42	5	VR	29.37													30.35																																																																																																																																																																																																																																																																																																																																																		
16	CLR	NC			60	28	46	30	8	10	29.31													30.30																																																																																																																																																																																																																																																																																																																																																		
19	CLR	NC			54	23	41	30	5	03	29.31													30.31																																																																																																																																																																																																																																																																																																																																																		
22	CLR	NC			46	27	38	47	0	00	29.32													30.32																																																																																																																																																																																																																																																																																																																																																		
SUNRISE: 0709				FEB 27				SUNSET: 1830																SUMMARY BY HOUR <table border="1"> <thead> <tr> <th rowspan="3">HOUR (LST)</th> <th colspan="10">AVERAGES</th> <th colspan="2">RESULTANT WIND (MPH)</th> </tr> <tr> <th rowspan="2">CEILOMETER</th> <th rowspan="2">EFF CLD AMT</th> <th rowspan="2">DRY BULB</th> <th rowspan="2">DEW POINT</th> <th rowspan="2">WET BULB</th> <th rowspan="2">RELATIVE HUMIDITY</th> <th colspan="2">PRESSURE (INCHES, HG)</th> <th rowspan="2">VISIBILITY (MILES)</th> <th rowspan="2">WIND SPEED (MPH)</th> <th rowspan="2">SPEED</th> <th rowspan="2">DIRECTION</th> </tr> <tr> <th>STATION</th> <th>SEA LEVEL</th> </tr> </thead> <tbody> <tr><td>01</td><td></td><td></td><td>41</td><td>34</td><td>39</td><td>77</td><td>29.23</td><td>30.22</td><td>9.07</td><td>2</td><td>1</td><td>35</td></tr> <tr><td>02</td><td></td><td></td><td>40</td><td>34</td><td>38</td><td>78</td><td>29.23</td><td>30.22</td><td>8.91</td><td>2</td><td>1</td><td>35</td></tr> <tr><td>03</td><td></td><td></td><td>39</td><td>34</td><td>37</td><td>82</td><td>29.23</td><td>30.22</td><td>8.55</td><td>3</td><td>1</td><td>28</td></tr> <tr><td>04</td><td></td><td></td><td>39</td><td>34</td><td>37</td><td>82</td><td>29.23</td><td>30.22</td><td>8.79</td><td>3</td><td>0</td><td>0</td></tr> <tr><td>05</td><td></td><td></td><td>39</td><td>34</td><td>37</td><td>84</td><td>29.23</td><td>30.23</td><td>8.38</td><td>3</td><td>1</td><td>2</td></tr> <tr><td>06</td><td></td><td></td><td>38</td><td>34</td><td>37</td><td>84</td><td>29.24</td><td>30.24</td><td>8.36</td><td>3</td><td>1</td><td>2</td></tr> <tr><td>07</td><td></td><td></td><td>38</td><td>34</td><td>36</td><td>84</td><td>29.26</td><td>30.25</td><td>8.66</td><td>3</td><td>1</td><td>2</td></tr> <tr><td>08</td><td></td><td></td><td>38</td><td>34</td><td>37</td><td>85</td><td>29.27</td><td>30.27</td><td>8.45</td><td>3</td><td>1</td><td>36</td></tr> <tr><td>09</td><td></td><td></td><td>40</td><td>34</td><td>38</td><td>80</td><td>29.28</td><td>30.28</td><td>8.45</td><td>4</td><td>1</td><td>4</td></tr> <tr><td>10</td><td></td><td></td><td>43</td><td>34</td><td>40</td><td>73</td><td>29.29</td><td>30.29</td><td>8.62</td><td>5</td><td>1</td><td>1</td></tr> <tr><td>11</td><td></td><td></td><td>46</td><td>34</td><td>41</td><td>66</td><td>29.29</td><td>30.29</td><td>9.21</td><td>4</td><td>1</td><td>36</td></tr> <tr><td>12</td><td></td><td></td><td>48</td><td>34</td><td>42</td><td>62</td><td>29.28</td><td>30.28</td><td>9.26</td><td>5</td><td>1</td><td>25</td></tr> <tr><td>13</td><td></td><td></td><td>50</td><td>34</td><td>43</td><td>57</td><td>29.25</td><td>30.25</td><td>9.10</td><td>5</td><td>1</td><td>24</td></tr> <tr><td>14</td><td></td><td></td><td>52</td><td>34</td><td>44</td><td>54</td><td>29.23</td><td>30.22</td><td>9.28</td><td>6</td><td>2</td><td>22</td></tr> <tr><td>15</td><td></td><td></td><td>53</td><td>34</td><td>44</td><td>52</td><td>29.21</td><td>30.20</td><td>9.28</td><td>4</td><td>2</td><td>21</td></tr> <tr><td>16</td><td></td><td></td><td>53</td><td>33</td><td>45</td><td>51</td><td>29.21</td><td>30.20</td><td>9.01</td><td>6</td><td>2</td><td>20</td></tr> <tr><td>17</td><td></td><td></td><td>53</td><td>33</td><td>45</td><td>52</td><td>29.21</td><td>30.20</td><td>8.70</td><td>5</td><td>1</td><td>18</td></tr> <tr><td>18</td><td></td><td></td><td>52</td><td>33</td><td>44</td><td>54</td><td>29.21</td><td>30.21</td><td>8.70</td><td>5</td><td>1</td><td>28</td></tr> <tr><td>19</td><td></td><td></td><td>49</td><td>33</td><td>42</td><td>58</td><td>29.22</td><td>30.22</td><td>8.92</td><td>3</td><td>1</td><td>26</td></tr> <tr><td>20</td><td></td><td></td><td>47</td><td>34</td><td>42</td><td>64</td><td>29.22</td><td>30.22</td><td>8.95</td><td>3</td><td>0</td><td>0</td></tr> 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LEVEL	01			41	34	39	77	29.23	30.22	9.07	2	1	35	02			40	34	38	78	29.23	30.22	8.91	2	1	35	03			39	34	37	82	29.23	30.22	8.55	3	1	28	04			39	34	37	82	29.23	30.22	8.79	3	0	0	05			39	34	37	84	29.23	30.23	8.38	3	1	2	06			38	34	37	84	29.24	30.24	8.36	3	1	2	07			38	34	36	84	29.26	30.25	8.66	3	1	2	08			38	34	37	85	29.27	30.27	8.45	3	1	36	09			40	34	38	80	29.28	30.28	8.45	4	1	4	10			43	34	40	73	29.29	30.29	8.62	5	1	1	11			46	34	41	66	29.29	30.29	9.21	4	1	36	12			48	34	42	62	29.28	30.28	9.26	5	1	25	13			50	34	43	57	29.25	30.25	9.10	5	1	24	14			52	34	44	54	29.23	30.22	9.28	6	2	22	15			53	34	44	52	29.21	30.20	9.28	4	2	21	16			53	33	45	51	29.21	30.20	9.01	6	2	20	17			53	33	45	52	29.21	30.20	8.70	5	1	18	18			52	33	44	54	29.21	30.21	8.70	5	1	28	19			49	33	42	58	29.22	30.22	8.92	3	1	26	20			47	34	42	64	29.22	30.22	8.95	3	0	0	21			46	34	41	66	29.23	30.23	8.74	2	1	34	22			44	34	40	71	29.23	30.23	8.65	2	1	34	23			43	35	40	74	29.23	30.23	8.71	2	1	36	24
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**FEBRUARY 2001
OAK RIDGE, TN**

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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