



# NOVEMBER 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): 913 Feet  
 Time Zone: EASTERN WBAN: 53868 ISSN #: -

NOVEMBER 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	11	12	13	14	15	16	17	18	19	20	21	22	23	24																											
01	73	41	57	5	45	50	8	0				0.00	29.30	30.28	1.8	19	2.3	20	20	14	19	01																											
02	77*	51	64	13	53	56	1	0				0.00	29.29	30.26	0.4	22	1.4	16	19	12	21	02																											
03	74	53	64	13	43	52	1	0				0.00	29.35	30.31	3.4	05	4.3	21	05	15	05	03																											
04	72	42	57	6			8					0.00	29.32		3.7	06	4.3	15	05	13	07	04																											
05	69	37	53	2			12					0.00	29.23		4.7	05	5.1	18	06	15	06	05																											
06	65	34	50	0	26	39	15	0				0.00	29.31	30.30	0.9	07	1.7	12	05	9	06	06																											
07	70	32	51	1	28	40	14	0				0.00	29.32	30.32	0.4	14	.5	7	09	6	09	07																											
08	73	33	53	3	32	42	12	0				0.00	29.28	30.27	1.2	22	1.3	13	21	10	22	08																											
09	67	39	53	4	37	46	12	0				0.00	29.36	30.34	2.1	03	3.0	15	05	10	05	09																											
10	70	30	50	1	31	41	15	0	BR			0.00	29.26	30.25	1.5	22	2.3	14	22	10	21	10																											
11	67	37	52	3	33	43	13	0				0.00	29.27	30.25	3.3	05	3.6	18	05	15	06	11																											
12	63	37	50	2	34	42	15	0				0.00	29.42	30.41	2.7	04	3.4	15	05	13	05	12																											
13	64	32	48	0	33	40	17	0	BR HZ			0.00	29.44	30.44	0.6	15	.8	12	17	9	17	13																											
14	65	30	48	0	32	39	17	0	FG+ FZFG BR HZ			0.00	29.37	30.38	0.9	08	1.4	9	07	8	08	14																											
15	68	30	49	2	33	40	16	0	FG+ BR HZ			0.00	29.27	30.27	0.8	08	1.4	12	11	10	06	15																											
16	71	32	52	5	36	43	13	0	BR HZ			0.00	29.30	30.29	2.1	06	2.3	15	08	13	06	16																											
17	73	39	56	9	44	48	9	0	BR			0.00	29.37	30.35	0.5	05	1.5	12	07	9	07	17																											
18	70	39	55	8	45	49	10	0	FG+ BR			0.00	29.34	30.32	0.6	26	1.5	13	27	10	26	18																											
19	71	40	56	10	45	50	9	0	RA BR HZ			0.06	29.18	30.16	3.1	22	4.9	17	23	14	20	19																											
20	54	33	44	-2	31	40	21	0	RA BR			0.01	29.16	30.15	2.6	03	4.4	15	06	13	36	20																											
21	57	27*	42*	-4	28	35	23	0				0.00	29.16	30.16	0.2	26	1.0	12	25	9	27	21																											
22	57	29	43	-2	33	38	22	0	BR			0.00	29.13	30.14	0.0	00	.3	6	27	5	06	22																											
23	61	34	48	3			17	0	RA BR			0.22	29.06		1.4	04	1.6	9	06	7	06	23																											
24	63	47	55	10			10	0	RA FG+ BR			0.50	28.96		0.5	03	.8	14	18	10	18	24																											
25	70	42	56	12			9	0	RA			0.62	29.09		3.0	24	4.3	24	25	16	26	25																											
26	71	36	54	10			11	0	RA FG+ BR			T	29.14		0.4	19	.8	12	20	9	22	26																											
27	73	55	64	20	55	59	1	0	RA			T	29.10	30.06	1.8	23	2.3	21	22	16	22	27																											
28	75	55	65	22	56	60	0	0	FG BR			0.00	29.15	30.11	2.4	21	3.0	16	21	12	21	28																											
29	76	55	66*	23	53	59	0	1	RA			0.05	29.04	29.99	5.2	20	5.7	31*	21	22*	20	29																											
30	63	48	56	13	49	53	9	0	RA BR			0.39	29.03	29.99	6.4	23	7.6	29	21	21	22	30																											
										68.1		39.0		53.6		■ ■		11.3		0.0		< MONTHLY AVERAGES		TOTALS-->		1.85		29.23		0.2		12		2.6		<- MONTHLY AVERAGES													
										9.7		2.8		6.3		■ ■		<-----DEPARTURE FROM NORMAL----->										-2.74		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																			
<b>DEGREE DAYS</b>										GREATEST 24-HR PRECIPITATION: 0.62 DATE :25										SEA LEVEL PRESSURE DATE TIME																													
MONTHLY TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL: DATE :										MAXIMUM : 30.53 13 0853																													
SEASON TO DATE TOTAL DEPARTURE										GREATEST SNOW DEPTH: DATE :										MINIMUM : 29.81 29 2253																													
HEATING: 340 -191										NUMBER OF DAYS WITH →										MAXIMUM TEMP ≥ 90: 0										MINIMUM TEMP ≤ 32: 8										PRECIPITATION ≥ 0.01 INCH : 7									
COOLING: 1 1																				MAXIMUM TEMP ≤ 32 : 0										MINIMUM TEMP ≤ 0 : 0										PRECIPITATION ≥ 0.10 INCH : 4									
																				THUNDERSTORMS : 0										HEAVY FOG : 5										SNOWFALL ≥ 1.0 INCH :									

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

## OAK RIDGE, TN

NOVEMBER 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												09		0.00		
10													10												10		0.00		
11													11												11		0.00		
12													12												12		0.00		
13													13												13		0.00		
14													14												14		0.00		
15													15												15		0.00		
16													16												16		0.00		
17													17												17		0.00		
18													18												18		0.00		
19													19						T		T				19	0.05	0.06		
20	0.02	T											20						T		T				20	0.02	0.01		
21													21												21		0.00		
22													22												22		0.00		
23													23												23	0.00	0.22		
24													24												24	0.00	0.50		
25													25												25	0.00	0.62		
26													26												26	0.00	T		
27													27												27		T		
28													28												28		0.00		
29													29												29		0.05		
30	0.09	0.14	0.16	T									30												30		0.39		

### MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)												
Ending Date												
Ending Time (Hour/Min)												

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 NOVEMBER 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							10.00	10.00	
02							7.00	10.00	
03							9.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							9.00	10.00	
08							8.00	10.00	
09							8.00	10.00	
10							1.50	10.00	
11							10.00	10.00	
12							7.00	10.00	
13							4.00	10.00	
14							<.25	10.00	
15							<.25	10.00	
16							1.75	10.00	
17							5.00	10.00	
18							.25	10.00	
19							2.50	10.00	
20							5.00	10.00	
21							10.00	10.00	
22							.75	10.00	
23							1.50	10.00	
24							<.25	10.00	
25							1.50	10.00	
26							<.25	10.00	
27							9.00	10.00	
28							.50	10.00	
29							6.00	10.00	
30							2.00	10.00	
<b>MONTHLY AVGS</b>							5.47	10.00	
<b>SUNSHINE (MINUTES)</b>									
Total:                      Possible: Percent Possible:									
<b>NUMBER OF DAYS WITH:</b>									
<b>SKY CONDITION</b>									
CLR   PTLY CLDY   CLOUDY   MISSING 30									
<b>MINIMUM VISIBILITY (MILES)</b>									
<=0.25    <=3.0    >=7.0 5            10           13									



# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

NOVEMBER 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		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		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)									OBSERVATION TIME (LST)	EFF CLD AMT Oktas		VISIBILITY (MILES)												
<b>SUNRISE: 0712    NOV 13    SUNSET: 1731</b>																												
01	CLR	NC		10.00	38	34	36	86	0	00	29.45	30.44	01	CLR	NC		5.00	BR		46	44	45	93	0	00	29.28	30.25	
04	CLR	NC		9.00	35	33	34	93	0	00	29.45	30.45	04	CLR	NC		5.00	BR		43	41	42	93	0	00	29.27	30.24	
07	CLR	NC		8.00	33	32	33	96	0	00	29.48	30.50	07	CLR	NC		4.00	BR		41	39	40	93	0	00	29.27	30.25	
10	CLR	NC		9.00	45	38	42	77	0	00	29.50	30.52	10	CLR	NC		5.00	HZ		55	46	50	72	6	24	29.26	30.24	
13	CLR	NC		4.00	61	34	48	36	3	VR	29.45	30.44	13	CLR	NC		10.00			66	45	55	47	7	VR	29.16	30.14	
16	CLR	NC		10.00	64	31	49	29	0	00	29.38	30.37	16	BKN	095		10.00			69	45	56	42	9	20	29.08	30.06	
19	CLR	NC		10.00	50	34	43	54	0	00	29.39	30.39	19	OVC	060		10.00			66	45	55	47	6	22	29.09	30.07	
22	CLR	NC		10.00	42	33	38	71	0	00	29.41	30.42	22	OVC	070		10.00			58	49	53	72	5	VR	29.11	30.08	
<b>SUNRISE: 0713    NOV 14    SUNSET: 1730</b>																												
01	CLR	NC		10.00	36	32	34	86	0	00	29.41	30.40	01	OVC	027		5.00	-RA BR		53	53	53	100	0	00	29.09	30.06	
04	CLR	NC		8.00	32	30	31	92	0	00	29.41	30.40	04	OVC	028		10.00			49	43	46	80	10	36	29.11	30.08	
07	OVC	001		0.25	30	30	30	100	0	00	29.43	30.45	07	FEW	NC		10.00			42	35	39	76	6	06	29.17	30.15	
10	CLR	NC		2.50	39	37	38	93	0	00	29.45	30.47	10	CLR	NC		10.00			45	32	39	61	6	07	29.21	30.19	
13	CLR	NC		8.00	61	30	47	31	3	14	29.36	30.35	13	CLR	NC		10.00			51	25	40	36	7	16	29.16	30.14	
16	CLR	NC		10.00	64	32	49	30	6	10	29.31	30.31	16	CLR	NC		10.00			51	22	39	32	5	04	29.14	30.13	
19	CLR	NC		10.00	51	34	43	52	0	00	29.31	30.32	19	CLR	NC		10.00			42	24	35	49	0	00	29.18	30.18	
22	CLR	NC		10.00	40	33	37	77	0	00	29.33	30.34	22	CLR	NC		10.00			36	26	32	67	0	00	29.20	30.21	
<b>SUNRISE: 0714    NOV 15    SUNSET: 1729</b>																												
01	CLR	NC		9.00	36	32	34	86	0	00	29.30	30.29	01	CLR	NC		10.00			33	27	31	78	0	00	29.16	30.16	
04	CLR	NC		7.00	34	31	33	89	0	00	29.30	30.29	04	CLR	NC		10.00			30	26	29	85	0	00	29.16	30.17	
07	SCT	NC		1.75	30	29	30	96	0	00	29.32	30.33	07	CLR	NC		10.00			28	25	27	88	0	00	29.20	30.22	
10	CLR	NC		4.00	40	38	39	93	0	00	29.34	30.35	10	CLR	NC		10.00			39	33	37	79	0	00	29.22	30.23	
13	CLR	NC		7.00	64	32	49	30	8	05	29.26	30.25	13	CLR	NC		10.00			51	25	40	36	3	VR	29.16	30.16	
16	CLR	NC		10.00	67	31	50	26	5	VR	29.20	30.19	16	CLR	NC		10.00			56	29	44	36	6	VR	29.09	30.09	
19	CLR	NC		10.00	52	34	44	50	0	00	29.22	30.23	19	CLR	NC		10.00			44	31	39	60	0	00	29.11	30.13	
22	CLR	NC		9.00	42	34	39	73	0	00	29.24	30.25	22	CLR	NC		10.00			39	31	36	73	0	00	29.14	30.15	
<b>SUNRISE: 0715    NOV 16    SUNSET: 1729</b>																												
01	CLR	NC		8.00	38	33	36	83	0	00	29.26	30.24	01	CLR	NC		10.00			37	31	35	79	0	00	29.14	30.14	
04	CLR	NC		7.00	35	32	34	89	0	00	29.26	30.24	04	CLR	NC		10.00			31	28	30	89	0	00	29.15	30.15	
07	FEW	NC		5.00	33	32	33	96	0	00	29.29	30.29	07	CLR	NC		3.00	BR		30	30	30	100	0	00	29.18	30.19	
10	CLR	NC		5.00	49	40	45	71	3	VR	29.34	30.34	10	CLR	NC		9.00			39	36	38	89	0	00	29.21	30.22	
13	CLR	NC		10.00	68	38	53	33	12	07	29.30	30.29	13	CLR	NC		10.00			52	34	44	50	0	00	29.13	30.12	
16	CLR	NC		10.00	70	36	53	29	8	05	29.28	30.26	16	CLR	NC		10.00			57	35	47	44	3	VR	29.07	30.06	
19	CLR	NC		10.00	56	39	48	53	0	00	29.30	30.30	19	CLR	NC		10.00			45	37	41	74	0	00	29.08	30.09	
22	CLR	NC		10.00	47	38	43	71	0	00	29.35	30.34	22	CLR	NC		10.00			39	35	37	86	0	00	29.10	30.11	
<b>SUNRISE: 0716    NOV 17    SUNSET: 1728</b>																												
01	CLR	NC		7.00	43	39	41	86	0	00	29.35	30.32	01	CLR	NC		7.00			36	34	35	93	0	00	29.09	30.09	
04	CLR	NC		7.00	41	37	39	86	0	00	29.36	30.34	04	OVC	070		7.00			37	36	37	96	0	00	29.09	30.08	
07	CLR	NC		7.00	39	37	38	93	0	00	29.39	30.38	07	CLR	NC		7.00			38	37	38	97	0	00	29.12	30.12	
10	CLR	NC		7.00	55	46	50	72	0	00	29.43	30.42	10	CLR	NC		10.00			48	38	43	68	6	05	29.11	30.11	
13	CLR	NC		10.00	70	50	59	49	6	VR	29.37	30.35	13	OVC	080		10.00										29.06	
16	CLR	NC		10.00	72	47	58	41	8	05	29.33	30.31	16	OVC	060		10.00										29.00	
19	CLR	NC		10.00	58	47	52	67	0	00	29.35	30.34	19	OVC	075		3.00	-RA									29.03	
22	CLR	NC		8.00	50	45	48	83	0	00	29.36	30.35	22	OVC	046		2.50	-RA									29.02	
<b>SUNRISE: 0717    NOV 18    SUNSET: 1728</b>																												
01	CLR	NC		7.00	46	44	45	93	0	00	29.35	30.33	01	OVC	041		2.00	-RA									29.00	
04	CLR	NC		6.00	43	41	42	93	0	00	29.37	30.34	04	VV	001		<.25	FG									29.00	
07	OVC	001		2.00	40	40	40	100	0	00	29.39	30.38	07	OVC	055		0.50	FG									28.99	
10	CLR	NC		5.00	48	46	47	93	0	00	29.42	30.41	10	OVC	037		3.00	BR									28.99	
13	CLR	NC		8.00	67	47	56	49	6	VR	29.35	30.32	13	OVC	042		10.00										28.98	
16	CLR	NC		10.00	69	47	57	45	8	26	29.28	30.25	16	OVC	110		10.00										28.93	
19	CLR	NC		10.00	58	47	52	67	0	00	29.28	30.27	19	OVC	050		3.00	RA									28.95	
22	CLR	NC		7.00	51	46	49	83	0	00	29.29	30.28	22	OVC	065		4.00	HZ									28.88	

# OBSERVATIONS AT 3-HOURLY INTERVALS

## OAK RIDGE, TN

### NOVEMBER 2001

QQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)	
			OBSERVATION TIME (LST)	EFF CLD AMT Okta		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL				OBSERVATION TIME (LST)	EFF CLD AMT Okta		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
			<b>SUNRISE: 0724</b>		<b>NOV 25</b>	<b>SUNSET: 1724</b>											<b>SUNRISE: NOV 31</b>			<b>SUNSET:</b>							
01	OVC	033		5.00	-RA						17	25	28.94														
04	OVC	055		10.00							5	VR	29.00														
07	OVC	050		10.00							5	23	29.07														
10	CLR	NC		10.00							6	VR	29.13														
13	CLR	NC		10.00							6	25	29.11														
16	CLR	NC		10.00							7	24	29.10														
19	CLR	NC		10.00							0	00	29.13														
22	CLR	NC		10.00							0	00	29.17														

01	CLR	NC		10.00							0	00	29.17												
04	CLR	NC		10.00							0	00	29.17												
07	VV	001		0.25	FG						0	00	29.19												
10						46	42	44	86		0	00	29.21	30.19											
13	CLR	NC		10.00		65	45	54	49		0	00	29.14												
16	BKN	038		10.00		68	50	58	53		5	VR	29.10												
19	OVC	032		10.00		63	52	57	68		0	00	29.10												
22	OVC	031		10.00		59	53	56	81		0	00	29.09												
<b>SUNRISE: 0725      NOV 26      SUNSET: 1724</b>																									
<b>SUNRISE: 0726      NOV 27      SUNSET: 1724</b>																									
01	OVC	060		10.00		56	52	54	87		0	00	29.07	30.02											
04	OVC	034		10.00		58	52	55	81		0	00	29.07	30.02											
07	OVC	038		10.00		59	51	55	75		0	00	29.08	30.03											
10	OVC	037		9.00		65	59	61	81		7	26	29.12	30.08											
13	SCT	NC		10.00		72	54	61	53		13	21	29.09	30.04											
16	OVC	033		10.00		69	56	61	63		6	24	29.10	30.06											
19	BKN	120		10.00	-RA	66	58	61	75		0	00	29.13	30.09											
22	CLR	NC		10.00		62	58	60	86		0	00	29.15	30.11											
<b>SUNRISE: 0726      NOV 28      SUNSET: 1724</b>																									
01	BKN	085		10.00		61	58	59	90		0	00	29.15	30.11											
04	CLR	NC		6.00	BR	58	57	57	97		0	00	29.16	30.12											
07	BKN	065		5.00	BR	57	55	56	93		0	00	29.17	30.14											
10	CLR	NC		10.00		67	59	62	76		5	VR	29.20	30.16											
13	FEW	NC		10.00		72	59	64	64		8	21	29.16	30.11											
16	SCT	NC		10.00		74	57	64	56		8	21	29.11	30.07											
19	CLR	NC		10.00		69	52	59	55		6	21	29.13	30.09											
22	CLR	NC		10.00		65	52	58	63		0	00	29.13	30.09											
<b>SUNRISE: 0727      NOV 29      SUNSET: 1723</b>																									
01	CLR	NC		10.00		57	52	54	83		0	00	29.13	30.09											
04	FEW	NC		10.00		58	53	55	84		0	00	29.12	30.07											
07	OVC	050		10.00		61	54	57	78		0	00	29.12	30.07											
10	OVC	048		10.00		68	55	60	63		7	21	29.12	30.07											
13	CLR	NC		10.00		75	52	62	45		18	20	29.05	29.99											
16	CLR	NC		10.00		73	49	59	43		13	19	29.00	29.94											
19	CLR	NC		10.00		70	50	59	49		10	18	28.97	29.91											
22	OVC	110		10.00		69	51	59	53		0	00	28.90	29.84											
<b>SUNRISE: 0728      NOV 30      SUNSET: 1723</b>																									
01	OVC	048		9.00	-RA	62	60	61	93		9	23	28.90	29.84											
04	OVC	045		10.00		57	53	55	87		9	23	28.94	29.89											
07	FEW	NC		10.00		53	50	51	89		5	22	29.00	29.95											
10	BKN	034		10.00		58	49	53	72		8	22	29.04	29.99											
13	OVC	034		10.00		61	48	54	63		13	21	29.04	29.99											
16	CLR	NC		10.00		62	47	54	58		7	VR	29.04	29.99											
19	CLR	NC		10.00		57	46	51	67		6	25	29.08	30.06											
22	CLR	NC		10.00		51	46	49	83		3	22	29.12	30.09											

**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.

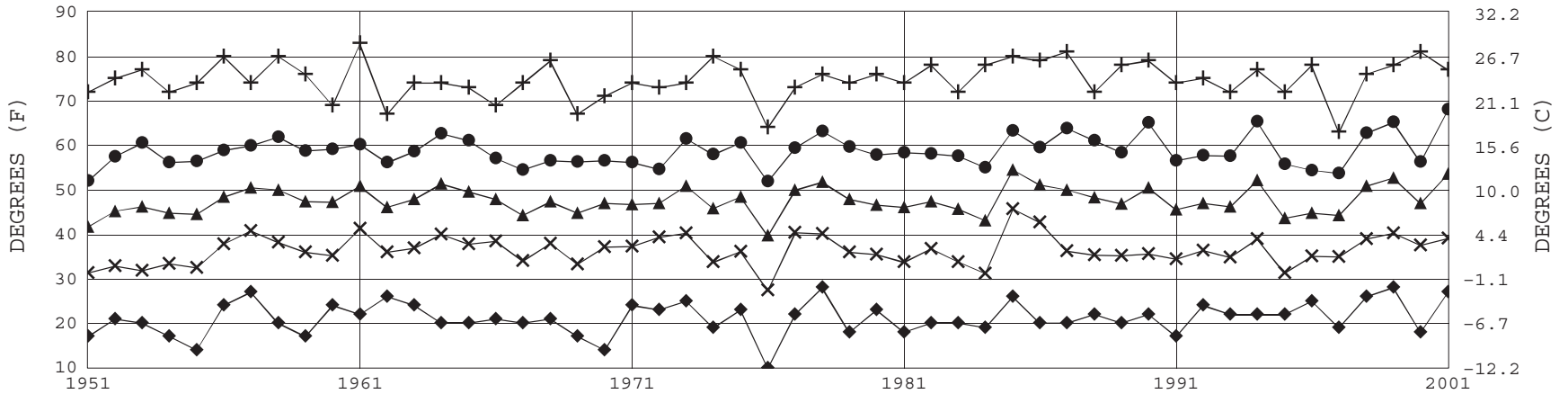
& = Original observation contained additional weather elements.

See page 3 for additional notes.

## SUMMARY BY HOUR

HOUR (LST)	CEILOMETER	EFF CLD AMT	AVERAGES							RESULTANT WIND (MPH)		
			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	DIRECTION	
							STATION	SEA LEVEL				
01			46	39	43	79	29.23	30.23	8.80	1	0	0
02			44	39	42	82	29.23	30.23	8.95	1	0	0
03			44	38	41	83	29.23	30.23	8.89	1	0	0
04			43	39	41	85	29.23	30.23	8.60	1	1	36
05			42	38	41	86	29.24	30.24	8.18	2	0	0
06			42	38	40	87	29.25	30.26	7.45	1	1	2
07			41	38	39	88	29.26	30.27	7.36	1	0	0
08			42	39	40	90	29.27	30.29	6.53	1	0	0
09			46	40	43	82	29.28	30.30	6.96	2	1	7
10			52	41	47	70	29.29	30.29	8.50	3	1	5
11			57	41	49	56	29.28	30.29	9.20	3	1	4
12			61	41	51	49	29.26	30.26	9.37	3	1	6
13			65	39	52	40	29.23	30.24	9.57	5	2	15
14			67	38	52	37	29.21	30.21	9.87	5	2	19
15			67	37	53	35	29.19	30.19	9.97	5	2	15
16			67	37	52	35	29.19	30.19	10.00	5	1	18
17			65	36	51	37	29.19	30.20	9.83	3	1	14
18			60	38	50	45	29.20	30.21	9.63	1	0	0
19			57	39	48	52	29.21	30.22	9.53	2	0	0
20			54	39	47	58	29.21	30.23	9.48	1	0	0
21			52	39	46	63	29.22	30.23	9.50	2	0	0
22			50	39	45	67	29.22	30.24	9.35	1	1	5
23			48	39	44	72	29.22	30.23	9.01	1	0	0
24			47	39	43	76	29.22	30.22	9.10	1	0	0

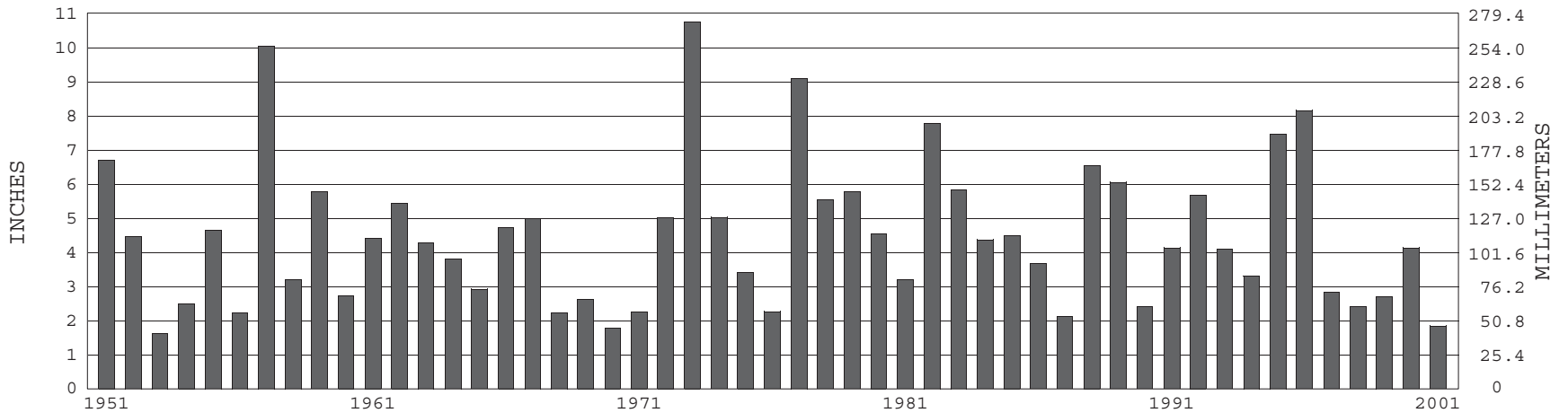
### OAK RIDGE, TN NOVEMBER TEMPERATURES



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

Long-Term (1951-2001) Mean: 47.6      1961-1990 Normal: 47.3

### OAK RIDGE, TN NOVEMBER PRECIPITATION



Long-Term (1951-2001) Mean Monthly Total: 4.48

1961-1990 Normal: 4.59





NOVEMBER 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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