



OCTOBER 2000

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 #: -

OCTOBER 2000
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	78	51	65	2	55	58	0	0	FG+ BR				0.00	29.12	30.08	0.7	16	.9	10	12	8	14	01																										
02	80	52	66	3	58	61	0	1	BR				0.00	29.08	30.03	1.4	22	2.6	13	21	10	19	02																										
03	84	56	70	7	60	64	0	5	BR				0.00	29.10	30.05	0.6	20	1.0	13	21	9	19	03																										
04	84	61	73*	11	62	65	0	8	BR HZ				0.00	29.08	30.02	1.1	19	1.7	10	20	8	20	04																										
05	84*	60	72	10	61	65	0	7	BR HZ				0.00	29.03	29.97	2.1	21	3.4	18	20	13	19	05																										
06	72	51	62	1	56	59	3	0	BR HZ				0.00	29.10	30.04	2.9	35	3.9	17	33	13	36	06																										
07	59	36	48	-13	36	43	17	0					0.00	29.33	30.32	2.0	02	4.1	16	01	12	01	07																										
08	54	31	43*	-17	26	36	22	0					0.00	29.40	30.41	2.0	36	4.3	20	34	14	35	08																										
09	55	33	44	-16	30	38	21	0					0.00	29.44	30.44	1.5	02	3.5	21*	08	16*	06	09																										
10	64	30*	47	-13	33	40	18	0	BR				0.00	29.39	30.39	0.2	14	.9	12	13	9	19	10																										
11	70	33	52	-7	35	43	13	0	FG+ BR				0.00	29.41	30.40	0.8	06	1.5	15	06	12	06	11																										
12	75	37	56	-3	38	46	9	0					0.00	29.40		1.0	07	1.7	10	11	7	31	12																										
13	77	38	58	0	40	47	7	0	FG+ BR				0.00	29.35	30.34	0.2	21	.9	10	23	7	23	13																										
14	76	37	57	-1	43	49	8	0					0.00	29.28	30.26	0.4	21	.7	9	25	7	25	14																										
15	78	41	60	2	46	51	5	0	FG+ BR				0.00	29.21	30.18	0.2	25	1.0	8	31	7	18	15																										
16	80	47	64	7	51	56	1	0	BR HZ				0.00	29.15	30.12	0.4	31	1.0	9	25	8	25	16																										
17	78	54	66	9	56	59	0	1	RA BR				T	29.13	30.08	1.3	21	1.1	10	21	7	19	17																										
18	74	53	64	7	54	58	1	0	RA BR				0.01	29.19	30.14	2.4	05	3.6	18	35	14	07	18																										
19	77	46	62	6	47	53	3	0	HZ				0.00	29.23	30.20	1.7	05	2.6	15	07	13	07	19																										
20	75	46	61	5	52	56	4	0	BR HZ				0.00	29.25	30.22	0.3	21	1.4	12	22	9	21	20																										
21	76	56	66	11	60	62	0	1	RA BR HZ				T	29.27	30.22	0.3	22	1.6	12	27	9	26	21																										
22	80	59	70	15	60	62	0	5	BR HZ				0.00	29.39	30.35	0.4	02	.6	9	09	7	10	22																										
23	79	54	67	12	58	61	0	2	BR HZ				0.00	29.48	30.45	0.3	13	.9	12	20	9	19	23																										
24	80	55	68	14	58	61	0	3	BR HZ				0.00	29.40	30.36	0.7	19	1.6	12	23	9	17	24																										
25	81	57	69	15	58	61	0	4	BR HZ				0.00	29.26	30.21	0.4	17	1.3	18	28	12	28	25																										
26	78	54	66	12	57	60	0	1	BR HZ				0.00	29.22	30.18	1.3	25	2.0	14	27	10	28	26																										
27	80	52	66	13	58	60	0	1	RA FG BR HZ				T	29.19	30.15	0.5	17	.8	15	06	12	06	27																										
28	82	54	68	15	54	59	0	3	FG+ BR HZ				0.00	29.21	30.17	2.3	05	3.4	17	35	10	02	28																										
29	74	50	62	9	46	53	3	0	BR				0.00	29.27	30.24	2.4	05	3.5	15	05	13	06	29																										
30	75	41	58	6	34	46	7	0					0.00	29.26	30.24	1.5	06	2.1	13	05	9	05	30																										
31	75	43	59	7	37	47	6	0	HZ				0.00	29.23	30.21	0.5	08	1.1	8	05	7	06	31																										
										75.3		47.4	61.4	■ ■	49.0	54.2	4.8	1.4	< MONTHLY AVERAGES		TOTALS-->		0.01	29.25	0.3		05	2.0	<-- MONTHLY AVERAGES																				
										5.4		2.6	4.0	■ ■	<----- DEPARTURE FROM NORMAL ----->										-3.17	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																							
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 0.01 DATE: 18										SEA LEVEL PRESSURE DATE TIME																													
MONTHLY TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL: DATE:										MAXIMUM : 30.51 23 0953																													
SEASON TO DATE TOTAL DEPARTURE										GREATEST SNOW DEPTH: DATE:										MINIMUM : 29.90 06 0253																													
HEATING: 148 -112										NUMBER OF DAYS WITH =>										MAXIMUM TEMP ≥ 90: 0										MINIMUM TEMP ≤ 32: 2										PRECIPITATION ≥ 0.01 INCH: 1									
COOLING: 42 17																				MAXIMUM TEMP ≤ 32: 0										MINIMUM TEMP ≤ 0: 0										PRECIPITATION ≥ 0.10 INCH: 0									
																				THUNDERSTORMS: 0										HEAVY FOG: 5										SNOWFALL ≥ 1.0 INCH: :									

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN

OCTOBER 2000

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	T	0.00		
18		T											18												18	T	0.01		
19													19												19		0.00		
20													20												20		0.00		
21													21												21	T	0.00		
22													22												22		0.00		
23													23												23		0.00		
24													24												24		0.00		
25													25												25		0.00		
26													26												26		0.00		
27													27												27	T	0.00		
28													28												28		0.00		
29													29												29		0.00		
30													30												30		0.00		
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)												
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 OCTOBER 2000

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							< .25	10.00	
02							5.00	10.00	
03							6.00	10.00	
04							4.00	10.00	
05							1.50	10.00	
06							6.00	10.00	
07							9.00	10.00	
08							10.00	10.00	
09							10.00	10.00	
10							1.25	10.00	
11							.25	10.00	
12							9.00	10.00	
13							.25	10.00	
14							7.00	10.00	
15							.25	10.00	
16							3.00	10.00	
17							4.00	10.00	
18							2.50	10.00	
19							2.50	10.00	
20							4.00	10.00	
21							1.50	7.00	
22							1.75	8.00	
23							1.75	7.00	
24							1.75	7.00	
25							1.50	10.00	
26							1.50	8.00	
27							.50	6.00	
28							.25	10.00	
29							2.50	10.00	
30							10.00	10.00	
31							2.00	10.00	
MONTHLY AVGS							3.71	9.45	
SUNSHINE (MINUTES)									
Total: Possible: Percent Possible:									
NUMBER OF DAYS WITH: SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING 31									
MINIMUM VISIBILITY (MILES)									
<=.25 <=3.0 >=7.0 5 18 6									

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

OCTOBER 2000

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: 0642				OCT 13	SUNSET: 1803				SUNRISE: 0648				OCT 19	SUNSET: 1756													
01	CLR	NC			10.00	44	41	43	89	0	00	29.37	30.35	01	CLR	NC			10.00	52	45	48	77	0	00	29.22	30.18
04	CLR	NC			10.00	39	38	39	96	0	00	29.38	30.35	04	CLR	NC			10.00	48	45	47	89	0	00	29.22	30.19
07	OVC	002		BR	1.50	38	38	38	100	0	00	29.42	30.41	07	CLR	NC			10.00	47	45	46	93	5	06	29.27	30.24
10	CLR	NC			10.00	53	45	49	74	0	00	29.44	30.43	10	CLR	NC			10.00	62	47	54	58	9	05	29.29	30.26
13	CLR	NC			10.00	72	42	56	34	3	06	29.36	30.34	13	CLR	NC			10.00	70	46	57	42	5	02	29.23	30.20
16	CLR	NC			10.00	76	31	54	19	7	23	29.30	30.27	16	CLR	NC			10.00	76	48	60	37	3	VR	29.17	30.14
19	CLR	NC			10.00	61	44	52	54	0	00	29.29	30.27	19	CLR	NC			10.00	63	50	56	63	0	00	29.19	30.17
22	CLR	NC			10.00	50	43	47	77	0	00	29.30	30.28	22	CLR	NC			10.00	54	49	51	83	0	00	29.22	30.19
SUNRISE: 0643				OCT 14	SUNSET: 1802				SUNRISE: 0649				OCT 20	SUNSET: 1754													
01	CLR	NC			10.00	44	41	43	89	0	00	29.31	30.28	01	CLR	NC			10.00	50	48	49	93	0	00	29.24	30.21
04	CLR	NC			10.00	40	38	39	93	0	00	29.30	30.27	04	CLR	NC			10.00	48	46	47	93	0	00	29.26	30.22
07	CLR	NC			10.00	37	36	37	96	0	00	29.34	30.33	07	CLR	NC			8.00	46	45	46	96	0	00	29.29	30.27
10	CLR	NC			10.00	56	44	50	65	0	00	29.37	30.35	10	FEW	NC			10.00	60	48	54	65	3	VR	29.31	30.28
13	CLR	NC			10.00	72	46	58	40	0	00	29.29	30.27	13	SCT	NC			10.00	71	52	60	51	0	00	29.25	30.22
16	CLR	NC			10.00	75	40	56	28	0	00	29.21	30.19	16	FEW	NC			8.00	74	58	64	57	6	22	29.20	30.16
19	CLR	NC			10.00	61	47	54	60	0	00	29.22	30.21	19	CLR	NC			8.00	67	59	62	76	0	00	29.21	30.19
22	CLR	NC			10.00	52	46	49	80	0	00	29.23	30.21	22	SCT	NC			5.00	60	58	59	93	0	00	29.24	30.21
SUNRISE: 0644				OCT 15	SUNSET: 1801				SUNRISE: 0650				OCT 21	SUNSET: 1753													
01	CLR	NC			6.00	47	46	46	97	0	00	29.23	30.20	01	FEW	NC			3.00	58	58	58	100	3	22	29.24	30.19
04	CLR	NC			5.00	43	42	43	97	0	00	29.23	30.20	04	FEW	NC			3.00	57	57	57	100	0	00	29.25	30.20
07	CLR	NC			2.50	41	40	41	96	0	00	29.26	30.25	07	CLR	NC			1.75	56	56	56	100	0	00	29.27	30.23
10	CLR	NC			9.00	55	48	51	77	3	03	29.27	30.25	10	OVC	024			3.00	65	60	62	84	3	22	29.31	30.27
13	CLR	NC			10.00	73	48	59	41	0	00	29.21	30.18	13	CLR	NC			5.00	71	61	65	71	5	VR	29.27	30.22
16	CLR	NC			10.00	77	46	60	33	0	00	29.14	30.11	16	CLR	NC			7.00	75	60	66	60	6	VR	29.22	30.18
19	CLR	NC			10.00	63	51	56	65	0	00	29.15	30.14	19	SCT	NC			6.00	69	62	65	78	0	00	29.25	30.21
22	CLR	NC			10.00	55	49	52	80	0	00	29.16	30.14	22	BKN	120			5.00	65	61	63	87	0	00	29.29	30.25
SUNRISE: 0645				OCT 16	SUNSET: 1759				SUNRISE: 0650				OCT 22	SUNSET: 1752													
01	CLR	NC			7.00	51	49	50	92	0	00	29.17	30.13	01	OVC	110			4.00	63	61	62	93	0	00	29.30	30.25
04	CLR	NC			5.00	48	47	47	96	0	00	29.17	30.13	04	BKN	110			3.00	61	60	60	97	0	00	29.33	30.29
07	CLR	NC			3.00	47	46	46	97	0	00	29.21	30.19	07	OVC	120			3.00	60	59	59	96	0	00	29.38	30.34
10	CLR	NC			8.00	64	50	56	61	0	00	29.20	30.17	10	BKN	070			4.00	66	60	62	81	3	02	29.44	30.40
13	CLR	NC			10.00	76	51	61	42	0	00	29.15	30.11	13	CLR	NC			6.00	76	60	66	58	0	00	29.40	30.35
16	CLR	NC			10.00	79	52	63	39			29.10	30.06	16	SCT	NC			8.00	78	58	66	50	0	00	29.38	30.33
19	CLR	NC			10.00	68	57	61	68	0	00	29.10	30.07	19	CLR	NC			7.00	69	60	64	73	0	00	29.41	30.37
22	CLR	NC			9.00	59	55	57	87	0	00	29.12	30.08	22	CLR	NC			5.00	62	59	60	90	0	00	29.45	30.41
SUNRISE: 0646				OCT 17	SUNSET: 1758				SUNRISE: 0651				OCT 23	SUNSET: 1751													
01	CLR	NC			7.00	57	55	56	93	0	00	29.12	30.07	01	CLR	NC			4.00	58	57	57	97	0	00	29.45	30.40
04	CLR	NC			5.00	54	54	54	100	0	00	29.11	30.06	04	CLR	NC			2.50	55	55	55	100	0	00	29.46	30.42
07	SCT	NC			4.00	54	54	54	100	0	00	29.15	30.11	07	CLR	NC			2.50	55	54	54	96	0	00	29.51	30.48
10	FEW	NC			10.00	66	56	60	70	0	00	29.17	30.14	10	CLR	NC			4.00	64	59	61	84	3	06	29.54	30.51
13	FEW	NC			10.00	76	56	64	50	3	20	29.13	30.08	13	CLR	NC			7.00	76	58	65	54	5	VR	29.49	30.46
16	SCT	NC			10.00	78	55	64	45	6	24	29.09	30.04	16	CLR	NC			7.00	78	58	66	50	0	00	29.45	30.41
19	OVC	090			10.00	70	57	62	64	0	00	29.10	30.07	19	CLR	NC			7.00	69	61	64	76	0	00	29.45	30.42
22	BKN	065			10.00	65	58	61	78	0	00	29.13	30.09	22	CLR	NC			4.00	62	59	60	90	0	00	29.46	30.44
SUNRISE: 0647				OCT 18	SUNSET: 1757				SUNRISE: 0652				OCT 24	SUNSET: 1750													
01	OVC	090			7.00	61	58	59	90	0	00	29.13	30.08	01	CLR	NC			4.00	60	58	59	93	0	00	29.45	30.41
04	OVC	060			4.00	61	60	60	97	0	00	29.14	30.09	04	CLR	NC			3.00	56	56	56	100	0	00	29.45	30.40
07	OVC	037			2.50	60	60	60	100	0	00	29.18	30.14	07	SCT	NC			3.00	57	56	56	96	0	00	29.46	30.43
10	BKN	046			10.00	66	57	61	73	7	VR	29.22	30.18	10	CLR	NC			4.00	68	58	62	70	3	VR	29.49	30.46
13	CLR	NC			10.00	71	53	61	53	10	06	29.19	30.15	13	CLR	NC			6.00	76	59	65	56	3	VR	29.41	30.37
16	CLR	NC			10.00	74	50	60	43	7	VR	29.15	30.10	16	FEW	NC			7.00	79	59	67	50	5	19	29.34	30.29
19	CLR	NC			10.00	63	48	55	58	0	00	29.19	30.16	19	CLR	NC			7.00	68	59	63	73	0	00	29.34	30.30
22	CLR	NC			10.00	55	46	50	72	5	01	29.22	30.18	22	CLR	NC			5.00	63	59	61	87	0	00	29.33	30.29

OBSERVATIONS AT 3-HOURLY INTERVALS

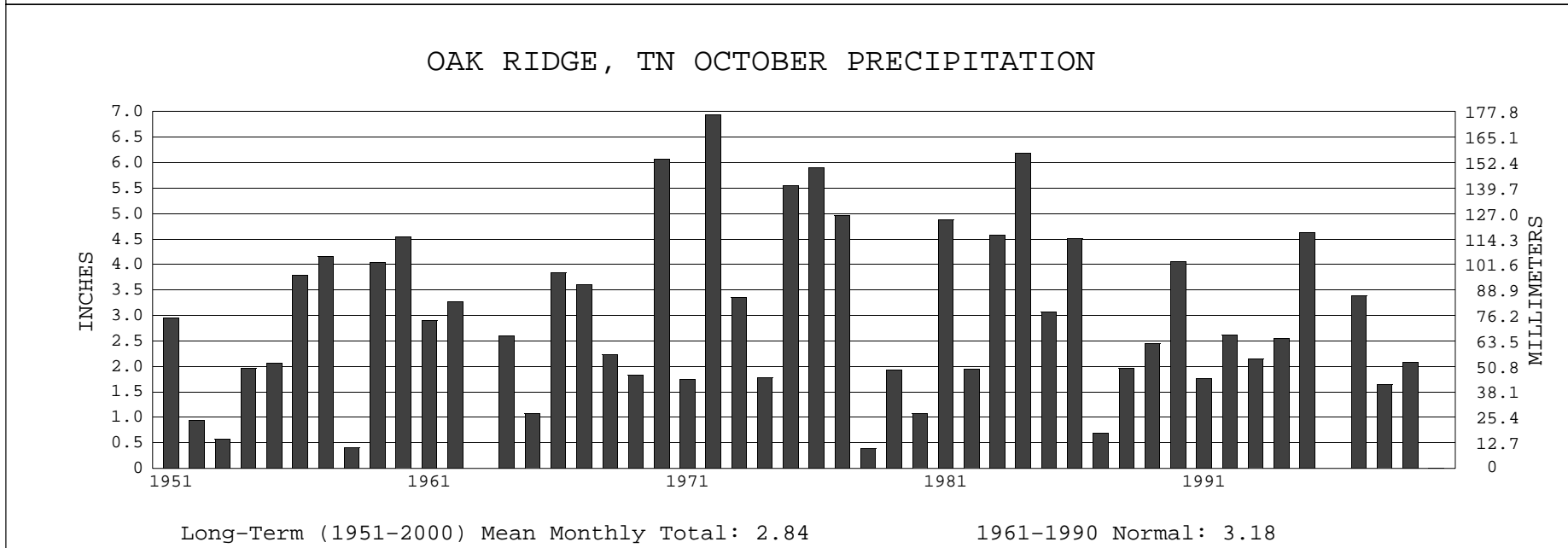
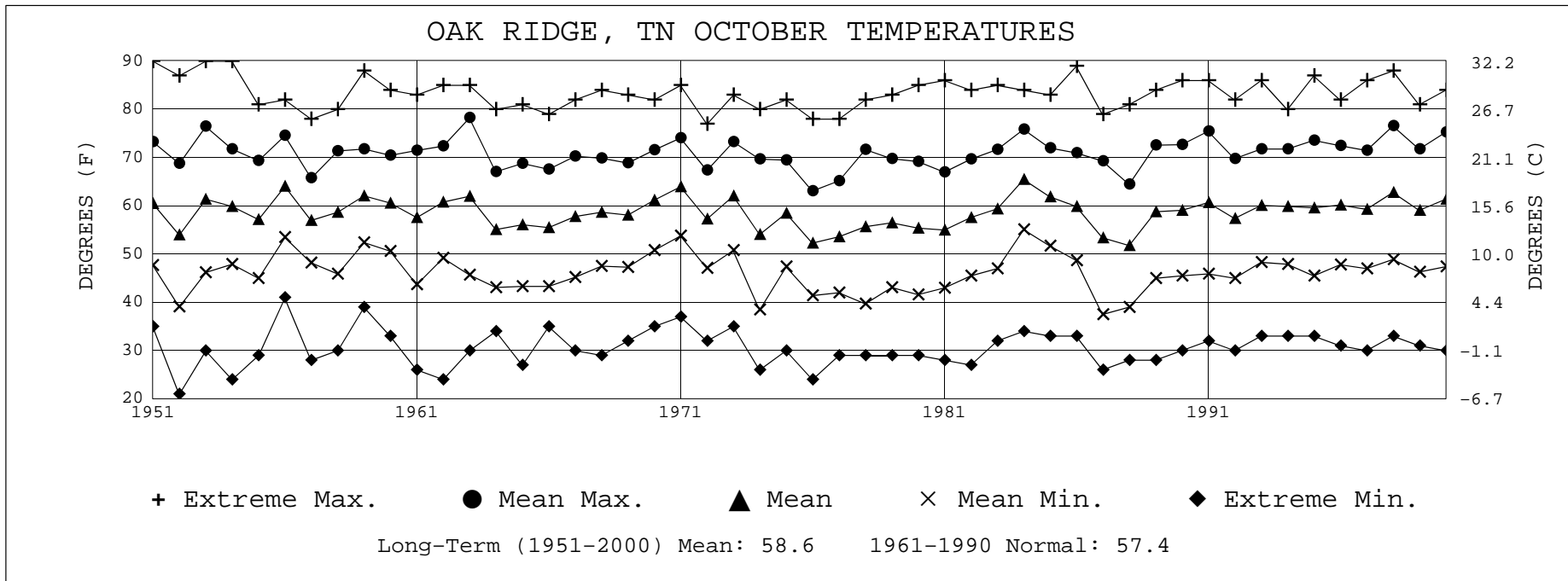
OAK RIDGE, TN

OCTOBER 2000

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)																																																																																																																																																																																																																																																																																																																																																				
	SKY COVER	CEILING		OBSERVATION TIME (LST)	EFF CLD AMT Okltas			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING		OBSERVATION TIME (LST)	EFF CLD AMT Okltas			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL																																																																																																																																																																																																																																																																																																																																																			
SUNRISE: 0653								OCT 25	SUNSET: 1748								SUNRISE: 0659								OCT 31	SUNSET: 1742																																																																																																																																																																																																																																																																																																																																																								
01	CLR	NC			4.00	BR		58	57	57	97	0	00	29.30	30.25	01	CLR	NC			10.00			48	37	43	66	0	00	29.25	30.22																																																																																																																																																																																																																																																																																																																																																			
04	BKN	070			3.00	BR		59	57	58	93	0	00	29.28	30.23	04	CLR	NC			10.00			45	37	41	74	0	00	29.24	30.21																																																																																																																																																																																																																																																																																																																																																			
07	FEW	NC			3.00	BR		58	57	57	97	0	00	29.30	30.26	07	CLR	NC			10.00			44	38	41	79	0	00	29.26	30.25																																																																																																																																																																																																																																																																																																																																																			
10	FEW	NC			4.00	HZ		66	59	62	78	0	00	29.31	30.27	10	CLR	NC			10.00			59	32	47	36	3	VR	29.29	30.27																																																																																																																																																																																																																																																																																																																																																			
13	CLR	NC			7.00			79	60	67	52	7	VR	29.23	30.18	13	CLR	NC			10.00			71	30	51	22	0	00	29.23	30.20																																																																																																																																																																																																																																																																																																																																																			
16	FEW	NC			10.00			72	58	63	61	3	VR	29.20	30.15	16	CLR	NC			4.00	HZ		75	33	54	22	3	VR	29.19	30.15																																																																																																																																																																																																																																																																																																																																																			
19	CLR	NC			9.00			66	59	62	78	0	00	29.21	30.17	19	CLR	NC			7.00			61	39	50	44	0	00	29.20	30.19																																																																																																																																																																																																																																																																																																																																																			
22	BKN	090			8.00			63	58	60	84	0	00	29.24	30.19	22	CLR	NC			7.00			53	40	47	61	0	00	29.22	30.19																																																																																																																																																																																																																																																																																																																																																			
SUNRISE: 0654								OCT 26	SUNSET: 1747								3-HOURLY OBSERVATION NOTES																																																																																																																																																																																																																																																																																																																																																																	
01	CLR	NC			5.00	BR		60	58	59	93	0	00	29.23	30.18	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			4.00	BR		58	57	57	97	0	00	29.23	30.19	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																																																																																																																																																																																																																																																																																																																																																																		
07	CLR	NC			3.00	BR		54	54	54	100	0	00	29.27	30.24	NC = No ceiling detected.																																																																																																																																																																																																																																																																																																																																																																		
10	FEW	NC			5.00	HZ		67	60	63	79	3	VR	29.29	30.24	& = Original observation contained additional weather elements.																																																																																																																																																																																																																																																																																																																																																																		
13	CLR	NC			8.00			75	59	65	58	8	26	29.22	30.18	See page 3 for additional notes.																																																																																																																																																																																																																																																																																																																																																																		
16	CLR	NC			8.00			76	58	65	54	0	00	29.15	30.11																																																																																																																																																																																																																																																																																																																																																																			
19	SCT	NC			8.00			69	59	63	70	0	00	29.18	30.14																																																																																																																																																																																																																																																																																																																																																																			
22	CLR	NC			5.00	BR		62	58	60	86	0	00	29.20	30.16																																																																																																																																																																																																																																																																																																																																																																			
SUNRISE: 0655								OCT 27	SUNSET: 1746								SUMMARY BY HOUR																																																																																																																																																																																																																																																																																																																																																																	
01	CLR	NC			4.00	BR		58	56	57	93	0	00	29.20	30.15	<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>53</td><td>50</td><td>51</td><td>89</td><td>29.25</td><td>30.21</td><td>7.24</td><td>1</td><td>0</td><td>0</td></tr> <tr><td>02</td><td></td><td></td><td>52</td><td>49</td><td>50</td><td>91</td><td>29.25</td><td>30.21</td><td>6.90</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>03</td><td></td><td></td><td>51</td><td>49</td><td>50</td><td>93</td><td>29.25</td><td>30.21</td><td>6.60</td><td>1</td><td>0</td><td>0</td></tr> <tr><td>04</td><td></td><td></td><td>50</td><td>48</td><td>49</td><td>94</td><td>29.25</td><td>30.21</td><td>6.52</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>05</td><td></td><td></td><td>49</td><td>48</td><td>49</td><td>95</td><td>29.26</td><td>30.23</td><td>5.92</td><td>1</td><td>0</td><td>0</td></tr> <tr><td>06</td><td></td><td></td><td>49</td><td>48</td><td>48</td><td>96</td><td>29.27</td><td>30.24</td><td>6.09</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>07</td><td></td><td></td><td>49</td><td>48</td><td>48</td><td>96</td><td>29.28</td><td>30.26</td><td>5.13</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>08</td><td></td><td></td><td>51</td><td>49</td><td>50</td><td>92</td><td>29.30</td><td>30.27</td><td>5.01</td><td>1</td><td>1</td><td>6</td></tr> <tr><td>09</td><td></td><td></td><td>56</td><td>50</td><td>53</td><td>81</td><td>29.31</td><td>30.28</td><td>6.78</td><td>1</td><td>1</td><td>6</td></tr> <tr><td>10</td><td></td><td></td><td>62</td><td>50</td><td>56</td><td>68</td><td>29.30</td><td>30.27</td><td>8.13</td><td>2</td><td>1</td><td>3</td></tr> <tr><td>11</td><td></td><td></td><td>66</td><td>50</td><td>57</td><td>57</td><td>29.30</td><td>30.26</td><td>8.74</td><td>3</td><td>1</td><td>5</td></tr> <tr><td>12</td><td></td><td></td><td>69</td><td>49</td><td>58</td><td>51</td><td>29.28</td><td>30.25</td><td>8.94</td><td>3</td><td>1</td><td>5</td></tr> <tr><td>13</td><td></td><td></td><td>72</td><td>49</td><td>59</td><td>46</td><td>29.25</td><td>30.22</td><td>9.16</td><td>3</td><td>1</td><td>5</td></tr> <tr><td>14</td><td></td><td></td><td>73</td><td>49</td><td>60</td><td>44</td><td>29.23</td><td>30.19</td><td>9.26</td><td>2</td><td>1</td><td>20</td></tr> <tr><td>15</td><td></td><td></td><td>74</td><td>48</td><td>60</td><td>41</td><td>29.22</td><td>30.18</td><td>9.10</td><td>4</td><td>1</td><td>17</td></tr> <tr><td>16</td><td></td><td></td><td>74</td><td>47</td><td>59</td><td>41</td><td>29.21</td><td>30.17</td><td>9.13</td><td>3</td><td>0</td><td>0</td></tr> <tr><td>17</td><td></td><td></td><td>72</td><td>47</td><td>59</td><td>44</td><td>29.21</td><td>30.17</td><td>9.10</td><td>3</td><td>1</td><td>21</td></tr> <tr><td>18</td><td></td><td></td><td>69</td><td>49</td><td>58</td><td>50</td><td>29.21</td><td>30.18</td><td>8.66</td><td>2</td><td>1</td><td>33</td></tr> <tr><td>19</td><td></td><td></td><td>64</td><td>50</td><td>57</td><td>62</td><td>29.22</td><td>30.20</td><td>9.03</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>20</td><td></td><td></td><td>60</td><td>51</td><td>55</td><td>71</td><td>29.23</td><td>30.21</td><td>8.74</td><td>1</td><td>1</td><td>1</td></tr> <tr><td>21</td><td></td><td></td><td>58</td><td>50</td><td>54</td><td>75</td><td>29.24</td><td>30.21</td><td>8.55</td><td>1</td><td>0</td><td>0</td></tr> <tr><td>22</td><td></td><td></td><td>56</td><td>50</td><td>53</td><td>80</td><td>29.25</td><td>30.21</td><td>8.39</td><td>1</td><td>0</td><td>0</td></tr> <tr><td>23</td><td></td><td></td><td>55</td><td>50</td><td>52</td><td>83</td><td>29.25</td><td>30.21</td><td>8.11</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>24</td><td></td><td></td><td>53</td><td>49</td><td>51</td><td>87</td><td>29.25</td><td>30.21</td><td>7.56</td><td>1</td><td>0</td><td>0</td></tr> </tbody> </table>																HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)		CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	SPEED	DIRECTION	STATION	SEA LEVEL	01			53	50	51	89	29.25	30.21	7.24	1	0	0	02			52	49	50	91	29.25	30.21	6.90	0	0	0	03			51	49	50	93	29.25	30.21	6.60	1	0	0	04			50	48	49	94	29.25	30.21	6.52	0	0	0	05			49	48	49	95	29.26	30.23	5.92	1	0	0	06			49	48	48	96	29.27	30.24	6.09	0	0	0	07			49	48	48	96	29.28	30.26	5.13	0	0	0	08			51	49	50	92	29.30	30.27	5.01	1	1	6	09			56	50	53	81	29.31	30.28	6.78	1	1	6	10			62	50	56	68	29.30	30.27	8.13	2	1	3	11			66	50	57	57	29.30	30.26	8.74	3	1	5	12			69	49	58	51	29.28	30.25	8.94	3	1	5	13			72	49	59	46	29.25	30.22	9.16	3	1	5	14			73	49	60	44	29.23	30.19	9.26	2	1	20	15			74	48	60	41	29.22	30.18	9.10	4	1	17	16			74	47	59	41	29.21	30.17	9.13	3	0	0	17			72	47	59	44	29.21	30.17	9.10	3	1	21	18			69	49	58	50	29.21	30.18	8.66	2	1	33	19			64	50	57	62	29.22	30.20	9.03	0	0	0	20			60	51	55	71	29.23	30.21	8.74	1	1	1	21			58	50	54	75	29.24	30.21	8.55	1	0	0	22			56	50	53	80	29.25	30.21	8.39	1	0	0	23			55	50	52	83	29.25	30.21	8.11	0	0	0	24			53	49	51	87	29.25	30.21	7.56	1	0	0
HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)																																																																																																																																																																																																																																																																																																																																																																							
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	SPEED	DIRECTION																																																																																																																																																																																																																																																																																																																																																																						
							STATION	SEA LEVEL																																																																																																																																																																																																																																																																																																																																																																										
01			53	50	51	89	29.25	30.21	7.24	1	0	0																																																																																																																																																																																																																																																																																																																																																																						
02			52	49	50	91	29.25	30.21	6.90	0	0	0																																																																																																																																																																																																																																																																																																																																																																						
03			51	49	50	93	29.25	30.21	6.60	1	0	0																																																																																																																																																																																																																																																																																																																																																																						
04			50	48	49	94	29.25	30.21	6.52	0	0	0																																																																																																																																																																																																																																																																																																																																																																						
05			49	48	49	95	29.26	30.23	5.92	1	0	0																																																																																																																																																																																																																																																																																																																																																																						
06			49	48	48	96	29.27	30.24	6.09	0	0	0																																																																																																																																																																																																																																																																																																																																																																						
07			49	48	48	96	29.28	30.26	5.13	0	0	0																																																																																																																																																																																																																																																																																																																																																																						
08			51	49	50	92	29.30	30.27	5.01	1	1	6																																																																																																																																																																																																																																																																																																																																																																						
09			56	50	53	81	29.31	30.28	6.78	1	1	6																																																																																																																																																																																																																																																																																																																																																																						
10			62	50	56	68	29.30	30.27	8.13	2	1	3																																																																																																																																																																																																																																																																																																																																																																						
11			66	50	57	57	29.30	30.26	8.74	3	1	5																																																																																																																																																																																																																																																																																																																																																																						
12			69	49	58	51	29.28	30.25	8.94	3	1	5																																																																																																																																																																																																																																																																																																																																																																						
13			72	49	59	46	29.25	30.22	9.16	3	1	5																																																																																																																																																																																																																																																																																																																																																																						
14			73	49	60	44	29.23	30.19	9.26	2	1	20																																																																																																																																																																																																																																																																																																																																																																						
15			74	48	60	41	29.22	30.18	9.10	4	1	17																																																																																																																																																																																																																																																																																																																																																																						
16			74	47	59	41	29.21	30.17	9.13	3	0	0																																																																																																																																																																																																																																																																																																																																																																						
17			72	47	59	44	29.21	30.17	9.10	3	1	21																																																																																																																																																																																																																																																																																																																																																																						
18			69	49	58	50	29.21	30.18	8.66	2	1	33																																																																																																																																																																																																																																																																																																																																																																						
19			64	50	57	62	29.22	30.20	9.03	0	0	0																																																																																																																																																																																																																																																																																																																																																																						
20			60	51	55	71	29.23	30.21	8.74	1	1	1																																																																																																																																																																																																																																																																																																																																																																						
21			58	50	54	75	29.24	30.21	8.55	1	0	0																																																																																																																																																																																																																																																																																																																																																																						
22			56	50	53	80	29.25	30.21	8.39	1	0	0																																																																																																																																																																																																																																																																																																																																																																						
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**OCTOBER 2000
OAK RIDGE, TN**

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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