



APRIL 1999

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 #: -

APRIL 1999
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	70	51	61	8	56	57	4	0	RA BR				0.24	29.04	30.00	0.4	24	1.2	10	28	8	29	01																																				
02	73	49	61	8	55	57	4	0	FG+ BR				0.00	29.09	30.05	0.4	07	1.1	8	23	6	19	02																																				
03	83	51	67	14	56	60	0	2	RA BR				0.01	29.03	29.98	0.9	06	1.0	9	06	8	07	03																																				
04	84	62	73	19	56	63	0	8					0.00	29.02	29.96	5.3	25	6.7	23	24	15	29	04																																				
05	83	52	68	14	54	60	0	3	BR				0.00	29.08	30.02	1.4	07	1.7	11	08	9	06	05																																				
06	75	61	68	14	59	62	0	3	RA BR				0.15	29.16	30.10	5.3	22	6.8	33	14	26*	15	06																																				
07	81	54	68	14	51	58	0	3	FG+ BR				0.00	29.20	30.15	0.8	12	2.7	13	27	9	29	07																																				
08	72	55	64	9	59	61	1	0	RA BR				0.28	29.01	29.96	0.3	22	2.9	16	22	11	35	08																																				
09	85	64	75*	20	55	63	0	10	RA				0.01	28.70	29.62	9.7	24	12.3	37*	27	24	25	09																																				
10	83	49	66	11	52	59	0	1					0.00	28.90	29.84	0.7	18	3.7	16	22	13	20	10																																				
11	82	63	73	17	46	59	0	8	RA BR				0.37	28.92	29.84	8.0	26	9.8	34	29	23	26	11																																				
12	63	50	57	1	38	47	8	0					0.00	29.21	30.18	4.3	36	6.7	20	01	14	01	12																																				
13	67	39	53	-3	37	46	12	0	BR				0.00	29.16	30.14	1.7	07	3.0	16	06	13	08	13																																				
14	62	48	55	-1	41	48	10	0	RA				0.03	29.02	29.99	2.5	05	3.1	14	06	10	05	14																																				
15	69	48	59	2	51	53	6	0	RA BR				0.61	28.68	29.63	3.2	25	5.8	30	26	18	26	15																																				
16	62	44	53	-4	29	43	12	0					0.00	28.86	29.83	11.2	24	11.9	36	27	25	26	16																																				
17	54	38	46*	-11	30	40	19	0					0.00	29.04	30.02	5.5	25	6.7	26	25	18	27	17																																				
18	58	43	51	-7	35	43	14	0					0.00	29.21	30.19	3.1	23	5.0	20	23	14	20	18																																				
19	70	37*	54	-4	40	48	11	0	RA BR				0.10	29.12	30.10	4.4	21	5.9	21	15	15	21	19																																				
20	76	51	64	6	46	54	1	0	RA BR				0.02	29.02	29.98	1.3	24	2.6	17	27	10	26	20																																				
21	85*	46	66	8	47	55	0	1					0.00	29.00	29.95	5.2	22	5.4	26	21	18	21	21																																				
22	81	53	67	9	48	57	0	2					0.00	29.03	29.97	6.2	22	7.1	25	22	18	23	22																																				
23	83	59	71	12	59	64	0	6	RA				0.01	29.07	30.01	2.9	23	4.6	18	21	15	21	23																																				
24	73	57	65	6	51	57	0	0					0.00	29.17	30.12	5.5	05	6.5	15	07	13	07	24																																				
25	75	50	63	3	51	56	2	0					0.00	29.13	30.09	1.0	27	4.9	17	20	13	26	25																																				
26	63	59	61	1	58	60	4	0	RA BR				0.20	29.01	29.96	2.1	24	3.6	14	26	9	26	26																																				
27	69	62	66	6	63	64	0	1	RA BR				0.35	28.94	29.89	0.2	17	9	15	22	11	20	27																																				
28	75	56	66	6	61	62	0	1	RA BR				0.62	28.94	29.89	2.5	06	3.5	17	06	14	06	28																																				
29	56	44	50	-10	49	50	15	0	RA BR				0.68	29.06	30.03	5.2	05	6.3	20	05	13	05	29																																				
30	69	42	56	-5	44	49	9	0	RA				T	29.15	30.13	4.8	06	5.3	23	09	16	08	30																																				
< MONTHLY AVERAGES										TOTALS-->				3.68	29.03	29.99	1.5	24	5.0	<- MONTHLY AVERAGES																																							
2.8										7.7				5.2				<----- DEPARTURE FROM NORMAL ----->								- .40				SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																													
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 1.27 DATE: 28-29										SEA LEVEL PRESSURE DATE TIME																																							
MONTHLY TOTAL DEPARTURE										SEASON TO DATE TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL: DATE: DATE:										MAXIMUM : 30.26 13 0653																													
HEATING: 132 -120										717 -3370										MINIMUM : 29.49 15 1453										PRECIPITATION ≥ 0.01 INCH : 15																													
COOLING: 49 43										49 43										NUMBER OF DAYS WITH →										MAXIMUM TEMP ≥ 90: 0										MINIMUM TEMP ≤ 32: 0										PRECIPITATION ≥ 0.10 INCH : 10									
																														THUNDERSTORMS : 0										HEAVY FOG : 2										SNOWFALL ≥ 1.0 INCH :									

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN

APRIL 1999

OQT

WBAN # 53868

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note 2)	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	0.01	0.06	0.03					T	0.08	0.06	T		01												01		0.24		
02													02												02		0.00		
03				0.01					T	T	T		03												03		0.01		
04													04												04		0.00		
05													05												05		0.00		
06						0.10	0.05	T	T				06												06		0.15		
07													07						T						07		0.00		
08							T					T	08	0.18	0.01										08		0.28		
09						T	T	0.01					09												09		0.01		
10													10												10		0.00		
11							0.04	0.23				0.10	11												11		0.37		
12													12												12		0.00		
13													13												13		0.00		
14												0.02	14	0.01						T	T	T			14		0.03		
15		0.03	0.08	0.10	0.17	0.04				0.10	0.07		15			0.01	T	T	T	0.01	T			15		0.61			
16													16												16		0.00		
17													17												17		0.00		
18													18												18		0.00		
19													19					T	T					19		0.10			
20	T	0.02											20								T	0.01	0.08	0.01	20		0.02		
21													21												21		0.00		
22													22												22		0.00		
23													23	T	T	0.01	T								23		0.01		
24													24												24		0.00		
25													25												25		0.00		
26										0.14	T	0.02	26	T		T	0.04	T						26		0.20			
27		0.03	T							0.05	0.04		27			0.05	0.17	T					0.01	27		0.35			
28										0.01	T		28			T	0.02	0.07	T				0.08	28	0.61	0.62			
29	0.10	0.12	0.12	0.12	T	T					0.01		29	0.01	0.01	0.10	0.08	0.02	0.07	T		T	0.08	29	0.69	0.68			
30							T						30												30		T		

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 APRIL 1999

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 at constant pressure by evaporation of moisture into it, to 100% relative humidity.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

ADDITIONAL NOTES:

March 1999 is the first month ASOS data was processed.

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							1.00	10.00	
02							< .25	10.00	
03							2.00	10.00	
04							10.00	10.00	
05							6.00	10.00	
06							3.00	10.00	
07							< .25	10.00	
08							2.00	10.00	
09							8.00	10.00	
10							10.00	10.00	
11							2.00	10.00	
12							10.00	10.00	
13							6.00	10.00	
14							8.00	10.00	
15							3.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							5.00	10.00	
20							3.00	10.00	
21							10.00	10.00	
22							9.00	10.00	
23							8.00	10.00	
24							10.00	10.00	
25							7.00	10.00	
26							2.00	9.00	
27							1.25	10.00	
28							4.00	10.00	
29							2.50	10.00	
30							10.00	10.00	
MONTHLY AVGS							5.76	9.97	
SUNSHINE (MINUTES)									
Total: Possible: Percent Possible:									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING									
30									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0									
2 12 14									

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

APRIL 1999

QQT

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)
SUNRISE: 0624				APR 01	SUNSET: 1859				SUNRISE: 0615				APR 07	SUNSET: 1903											
01	OVC	034	2.50 -RA BR	52	52	52	100	0	00	29.05	30.02	01	CLR	NC	7.00	62	60	61	93	3	VR	29.23	30.19		
04	OVC	002	1.50 BR	52	52	52	100	0	00	29.00	29.97	04	BKN	011	0.75 BR	56	56	56	100	0	00	29.24	30.19		
07	OVC	016	2.00 BR	53	53	53	100	0	00	29.04	30.01	07	VV	001	<.25 FG	54	54	54	100	0	00	29.28	30.24		
10	OVC	003	1.25 -RA BR	55	55	55	100	0	00	29.06	30.03	10	CLR	NC	10.00	66	45	55	47	5	VR	29.28	30.24		
13	OVC	009	8.00	61	60	60	97	5	23	29.06	30.03	13	CLR	NC	10.00	76	47	60	36	7	VR	29.22	30.17		
16	BKN	026	10.00	68	60	63	76	3	VR	29.02	29.97	16	CLR	NC	10.00	80	45	60	29	6	VR	29.14	30.09		
19	CLR	NC	10.00	67	59	62	76	0	00	29.01	29.97	19	CLR	NC	10.00	75	51	61	43	5	20	29.12	30.07		
22	CLR	NC	4.00 BR	57	57	57	100	0	00	29.06	30.02	22	CLR	NC	10.00	65	54	59	68	0	00	29.13	30.09		
SUNRISE: 0622				APR 02	SUNSET: 1859				SUNRISE: 0614				APR 08	SUNSET: 1904											
01	VV	001	0.25 FG	52	52	52	100	0	00	29.07	30.03	01	CLR	NC	10.00	60	54	57	80	0	00	29.08	30.03		
04	VV	001	<.25 FG	50	50	50	100	0	00	29.06	30.02	04	CLR	NC	10.00	56	52	54	87	0	00	29.07	30.01		
07	VV	001	<.25 FG	49	49	49	100	0	00	29.12	30.09	07	SCT	NC	9.00	57	53	55	87	0	00	29.13	30.08		
10	OVC	001	0.50 FG	55	55	55	100	3	VR	29.15	30.13	10	SCT	NC	10.00	68	59	63	73	3	VR	29.09	30.04		
13	CLR	NC	10.00	69	58	62	68	3	VR	29.11	30.08	13	OVC	036	2.00 +RA BR	63	63	63	100	6	16	29.04	30.00		
16	CLR	NC	10.00	71	58	63	63	0	00	29.06	30.01	16	BKN	049	10.00	69	64	66	84	6	06	29.00	29.95		
19	CLR	NC	10.00	68	60	63	76	0	00	29.05	30.00	19	CLR	NC	10.00	66	64	65	93	5	03	28.91	29.86		
22	SCT	NC	5.00 BR	57	57	57	100	0	00	29.08	30.05	22	CLR	NC	10.00	63	62	62	97	5	22	28.85	29.79		
SUNRISE: 0621				APR 03	SUNSET: 1900				SUNRISE: 0613				APR 09	SUNSET: 1904											
01	CLR	NC	2.50 BR	54	54	54	100	0	00	29.07	30.02	01	BKN	044	10.00	72	62	66	71	9	23	28.80	29.74		
04	CLR	NC	4.00 BR	52	52	52	100	0	00	29.05	30.00	04	OVC	040	10.00	71	62	65	73	14	21	28.72	29.65		
07	CLR	NC	2.00 BR	53	52	52	96	0	00	29.07	30.03	07	OVC	027	8.00 -RA	69	62	65	78	15	21	28.71	29.65		
10	FEW	NC	5.00 -RA BR	59	58	58	96	7	06	29.06	30.02	10	OVC	030	9.00	73	64	67	74	12	24	28.70	29.63		
13	CLR	NC	10.00	74	56	63	54	3	09	29.05	30.00	13	CLR	NC	10.00	81	55	65	41	21	21	28.61	29.52		
16	CLR	NC	10.00	83	57	67	41	3	04	28.98	29.92	16	FEW	NC	10.00	84	50	64	31	18	25	28.59	29.50		
19	CLR	NC	10.00	77	58	65	52	3	03	28.97	29.91	19	CLR	NC	10.00	81	38	58	21	14	27	28.65	29.57		
22	CLR	NC	10.00	66	60	62	81	0	00	28.99	29.94	22	CLR	NC	10.00	71	43	56	36	6	VR	28.77	29.70		
SUNRISE: 0620				APR 04	SUNSET: 1900				SUNRISE: 0611				APR 10	SUNSET: 1905											
01	OVC	065	10.00	66	59	62	78	0	00	28.98	29.92	01	CLR	NC	10.00	62	47	54	58	8	36	28.86	29.79		
04	BKN	055	10.00	72	56	62	57	12	22	29.02	29.94	04	CLR	NC	10.00	53	49	51	86	0	00	28.90	29.84		
07	FEW	NC	10.00	68	58	62	70	6	22	29.05	29.98	07	CLR	NC	10.00	51	49	50	92	0	00	28.95	29.89		
10	SCT	NC	10.00	74	58	64	57	13	28	29.07	30.00	10	CLR	NC	10.00	66	50	57	56	3	VR	28.95	29.89		
13	FEW	NC	10.00	81	54	65	39	9	29	29.02	29.94	13	CLR	NC	10.00	78	50	62	37	3	VR	28.91	29.84		
16	BKN	080	10.00	82	52	64	35	12	26	28.99	29.91	16	CLR	NC	10.00	82	48	62	31	6	VR	28.86	29.80		
19	FEW	NC	10.00	78	53	63	42	10	28	29.02	29.95	19	CLR	NC	10.00	80	59	67	49	6	22	28.86	29.80		
22	CLR	NC	10.00	68	55	60	63	3	34	29.07	30.00	22	CLR	NC	10.00	76	62	67	62	3	VR	28.93	29.86		
SUNRISE: 0618				APR 05	SUNSET: 1901				SUNRISE: 0610				APR 11	SUNSET: 1906											
01	CLR	NC	10.00	59	55	57	87	0	00	29.07	30.01	01	SCT	NC	10.00	74	62	66	67	3	VR	28.88	29.80		
04	CLR	NC	10.00	55	53	54	93	0	00	29.09	30.04	04	OVC	090	10.00	73	62	66	69	5	22	28.83	29.75		
07	CLR	NC	6.00 BR	53	53	53	100	0	00	29.11	30.06	07	OVC	041	2.00 +RA	71	65	67	81	7	VR	28.85	29.77		
10	CLR	NC	10.00	70	57	62	64	3	VR	29.13	30.08	10	CLR	NC	10.00	72	57	63	60	14	28	28.92	29.85		
13	CLR	NC	10.00	80	55	65	42	6	11	29.08	30.03	13	CLR	NC	10.00	80	31	55	17	15	26	28.91	29.83		
16	CLR	NC	10.00	82	50	63	33	0	00	29.04	29.98	16	CLR	NC	10.00	81	30	55	16	15	26	28.89	29.80		
19	CLR	NC	10.00	77	52	62	42	0	00	29.04	29.98	19	CLR	NC	10.00	75	32	54	21	9	27	28.94	29.87		
22	CLR	NC	10.00	66	55	60	68	0	00	29.06	30.00	22	CLR	NC	10.00	66	38	52	36	7	29	29.06	29.99		
SUNRISE: 0617				APR 06	SUNSET: 1902				SUNRISE: 0608				APR 12	SUNSET: 1907											
01	SCT	NC	10.00	62	55	58	78	0	00	29.05	29.99	01	CLR	NC	10.00	61	38	50	43	6	VR	29.09	30.04		
04	OVC	060	10.00	65	55	59	70	0	00	29.10	30.04	04	CLR	NC	10.00	54	39	47	57	6	VR	29.13	30.08		
07	FEW	NC	7.00	63	59	61	87	7	25	29.16	30.10	07	CLR	NC	10.00	50	35	43	57	5	VR	29.21	30.17		
10	OVC	055	8.00	65	61	63	87	7	VR	29.18	30.14	10	OVC	041	10.00	53	36	45	52	9	35	29.24	30.21		
13	BKN	025	10.00	69	61	64	76	9	24	29.18	30.14	13	OVC	043	10.00	58	39	49	50	8	36	29.24	30.20		
16	BKN	039	10.00	74	60	65	62	12	21	29.14	30.08	16	FEW	NC	10.00	60	39	50	46	10	34	29.21	30.18		
19	FEW	NC	10.00	69	60	64	73	7	20	29.16	30.11	19	BKN	043	10.00	52	39	46	61	7	01	29.25	30.23		
22	BKN	020	8.00	64	60	62	87	5	VR	29.22	30.17	22	OVC	037	10.00	52	38	45	59	5	35	29.27	30.25		

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

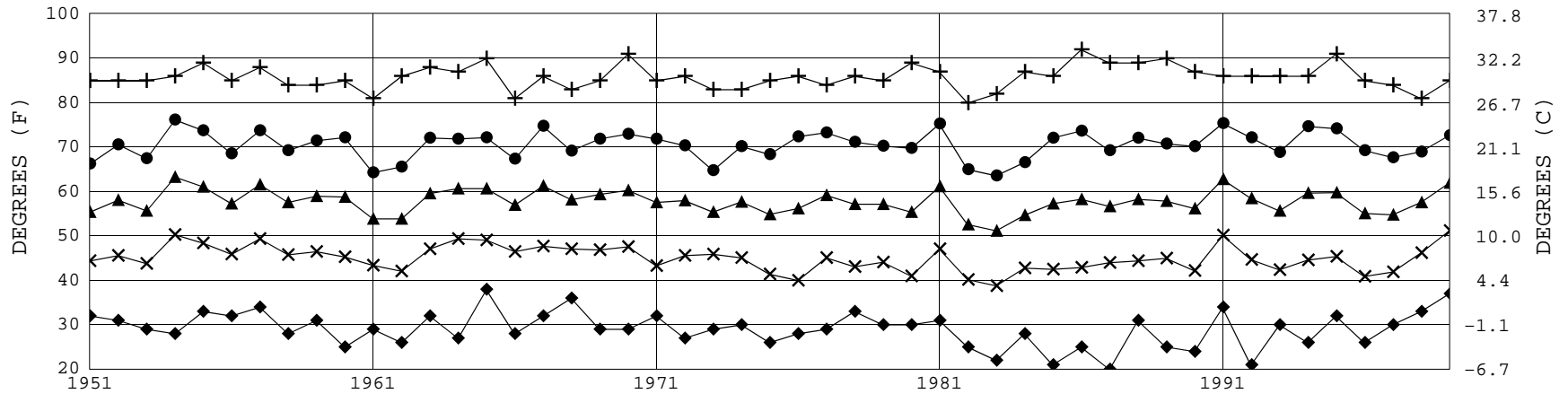
APRIL 1999

QQT

WBAN # 53868

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE ° F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE ° F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
	SKY COVER	CEILING		OBSERVATION TIME (LST)	EFF CLD AMT Okta			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING		OBSERVATION TIME (LST)	EFF CLD AMT Okta			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0607 APR 13 SUNSET: 1908								SUNRISE: 0559 APR 19 SUNSET: 1913																							
01	CLR	NC			10.00			48	39	44	71	0	00	29.25	30.23	01	CLR	NC			10.00			46	37	42	71	3	21	29.23	30.22
04	CLR	NC			9.00			41	39	40	93	3	06	29.22	30.21	04	CLR	NC			10.00			39	37	38	93	3	22	29.21	30.20
07	CLR	NC			6.00	BR		41	39	40	93	0	00	29.27	30.26	07	CLR	NC			10.00			40	37	39	89	0	00	29.23	30.22
10	CLR	NC			10.00			56	36	47	47	9	09	29.24	30.22	10	CLR	NC			10.00			55	40	48	57	6	VR	29.22	30.21
13	CLR	NC			10.00			61	36	49	39	0	00	29.16	30.14	13					10.00			66	41	53	40	13	21	29.13	30.10
16	CLR	NC			10.00			66	34	50	31	5	VR	29.09	30.07	16					10.00			69	37	53	31	13	21	29.03	30.00
19	CLR	NC			10.00			63	35	49	35	5	05	29.07	30.05	19	OVC	100			10.00			66	39	52	37	5	20	28.99	29.96
22	CLR	NC			10.00			54	40	47	59	5	05	29.08	30.05	22	OVC	070			10.00	-RA		60	48	54	65	6	33	29.01	29.97
SUNRISE: 0606 APR 14 SUNSET: 1909								SUNRISE: 0558 APR 20 SUNSET: 1914																							
01	CLR	NC			8.00			49	40	45	71	0	00	29.07	30.04	01	BKN	065			6.00	BR		53	52	52	96	3	22	29.00	29.95
04	CLR	NC			10.00			49	40	45	71	3	03	29.08	30.04	04	BKN	045			4.00	BR		52	51	52	97	0	00	28.99	29.94
07	OVC	110			10.00			50	38	44	63	3	11	29.08	30.06	07	FEW	NC			3.00	BR		53	51	52	93	0	00	29.02	29.98
10	FEW	NC			10.00			57	34	46	42	5	02	29.13	30.10	10	CLR	NC			10.00			64	53	58	68	3	29	29.06	30.01
13	BKN	075			10.00			55	45	50	69	6	05	29.08	30.06	13	BKN	070			10.00			72	43	56	35	3	VR	29.05	30.00
16	FEW	NC			10.00			61	42	51	50	5	03	28.97	29.93	16	CLR	NC			10.00			76	37	56	25	8	23	29.01	29.96
19	BKN	090			10.00			58	42	50	56	0	00	28.93	29.90	19	CLR	NC			10.00			71	36	53	28	5	VR	29.03	29.98
22	BKN	110			10.00			56	40	48	55	0	00	28.93	29.90	22	CLR	NC			10.00			58	45	51	62	0	00	29.03	29.99
SUNRISE: 0604 APR 15 SUNSET: 1909								SUNRISE: 0557 APR 21 SUNSET: 1915																							
01	CLR	NC			10.00			53	41	47	64	5	03	28.81	29.78	01	CLR	NC			10.00			50	45	47	83	0	00	29.04	30.00
04	OVC	070			8.00	RA		48	47	47	96	3	VR	28.79	29.76	04	CLR	NC			10.00			47	44	46	90	0	00	29.02	29.97
07	OVC	048			5.00	BR		49	49	49	100	0	00	28.70	29.66	07	BKN	050			10.00			50	45	47	83	0	00	29.04	29.99
10	OVC	034			9.00			53	52	52	96	0	00	28.63	29.59	10	CLR	NC			10.00			69	49	58	49	8	21	29.04	29.99
13	BKN	009			9.00			59	56	57	90	0	00	28.59	29.54	13	CLR	NC			10.00			80	54	64	41	9	23	28.99	29.94
16	BKN	090			10.00			67	58	62	73	9	24	28.54	29.49	16	CLR	NC			10.00			84	42	61	23	12	23	28.94	29.88
19	OVC	080			10.00			63	51	56	65	13	23	28.62	29.57	19	CLR	NC			10.00			78	44	59	30	10	22	28.95	29.89
22	SCT	NC			10.00			55	48	51	77	12	25	28.73	29.70	22	CLR	NC			10.00			66	49	57	54	3	21	28.99	29.93
SUNRISE: 0603 APR 16 SUNSET: 1910								SUNRISE: 0555 APR 22 SUNSET: 1915																							
01	OVC	040			10.00			53	40	47	61	14	25	28.78	29.74	01	CLR	NC			10.00			59	50	54	72	0	00	28.99	29.92
04	SCT	NC			10.00			49	34	42	57	10	24	28.80	29.76	04	CLR	NC			10.00			56	50	53	81	3	28	28.99	29.93
07	CLR	NC			10.00			45	34	40	66	7	22	28.84	29.80	07	CLR	NC			10.00			56	50	53	81	3	22	29.07	30.01
10	FEW	NC			10.00			52	30	42	43	18	22	28.86	29.83	10	CLR	NC			10.00			73	51	60	46	9	20	29.08	30.03
13	CLR	NC			10.00			59	22	43	24	15	23	28.84	29.80	13	CLR	NC			10.00			79	39	58	24	16	20	29.04	29.98
16	CLR	NC			10.00			61	22	44	22	14	26	28.82	29.78	16	CLR	NC			10.00			81	48	62	32	13	25	29.02	29.96
19	CLR	NC			10.00			57	24	43	28	12	25	28.88	29.85	19	CLR	NC			10.00			77	49	61	37	10	22	28.99	29.93
22	SCT	NC			10.00			52	26	41	37	10	26	28.97	29.95	22	CLR	NC			10.00			73	47	58	40	6	23	29.04	29.97
SUNRISE: 0602 APR 17 SUNSET: 1911								SUNRISE: 0554 APR 23 SUNSET: 1916																							
01	CLR	NC			10.00			46	28	39	50	6	22	29.00	29.97	01	OVC	060			10.00			67	48	57	51	0	00	29.07	30.00
04	CLR	NC			10.00			44	29	38	55	3	21	28.97	29.94	04	CLR	NC			10.00			63	50	56	63	0	00	29.07	30.00
07	CLR	NC			10.00			40	33	37	77	0	00	28.99	29.97	07	FEW	NC			10.00			62	52	56	70	3	25	29.09	30.04
10	OVC	060			10.00			51	32	43	48	10	23	28.99	29.96	10	OVC	028			10.00			68	58	62	70	6	VR	29.10	30.05
13	BKN	065			10.00			52	24	40	34	13	25	29.01	29.99	13	BKN	090			10.00	-RA		76	65	69	69	5	23	29.07	30.01
16	OVC	055			10.00			50	29	41	44	12	24	29.05	30.03	16	BKN	047			10.00			81	66	71	61	9	24	29.02	29.95
19	OVC	060			10.00			49	30	41	48	8	25	29.09	30.09	19	FEW	NC			10.00			80	64	70	58	6	VR	29.04	29.97
22	OVC	065			10.00			47	32	40	56	3	VR	29.16	30.15	22	CLR	NC			10.00			72	64	67	76	0	00	29.08	30.02
SUNRISE: 0600 APR 18 SUNSET: 1912								SUNRISE: 0553 APR 24 SUNSET: 1917																							
01	OVC	046			10.00			47	33	41	59	5	VR	29.18	30.16	01	CLR	NC			10.00			66	60	62	81	0	00	29.11	30.05
04	OVC	040			10.00			46	35	41	66	7	29	29.18	30.17	04	CLR	NC			10.00			60	54	57	80	7	05	29.14	30.09
07	CLR	NC			10.00			43	36	40	76	3	22	29.20	30.20	07	OVC	100			10.00			58	52	55	81	6	04	29.23	30.17
10	BKN	039			10.00			50	36	44	59	5	20	29.22	30.21	10	CLR	NC			10.00			63	50	56	63	8	07	29.23	30.19
13	BKN	070			10.00			57	38	48	49	10	22	29.20	30.19	13	CLR	NC			10.00			68	52	59	57	7	02	29.18	30.13
16	OVC	060			10.00			55	35	46	47	8	22	29.18	30.17	16	CLR	NC			10.00			73	52	61	48	10	06	29.13	30.08
19	FEW	NC			10.00			52	34	44	50	6	23	29.21	30.20	19	CLR	NC			10.00			66	50	57	56	8	04	29.14	30.10
22	BKN	095			10.00			48	35	42	61	3	VR	29.23	30.22	22	CLR	NC			10.00			61	46	53	58	6	03	29.20	30.16

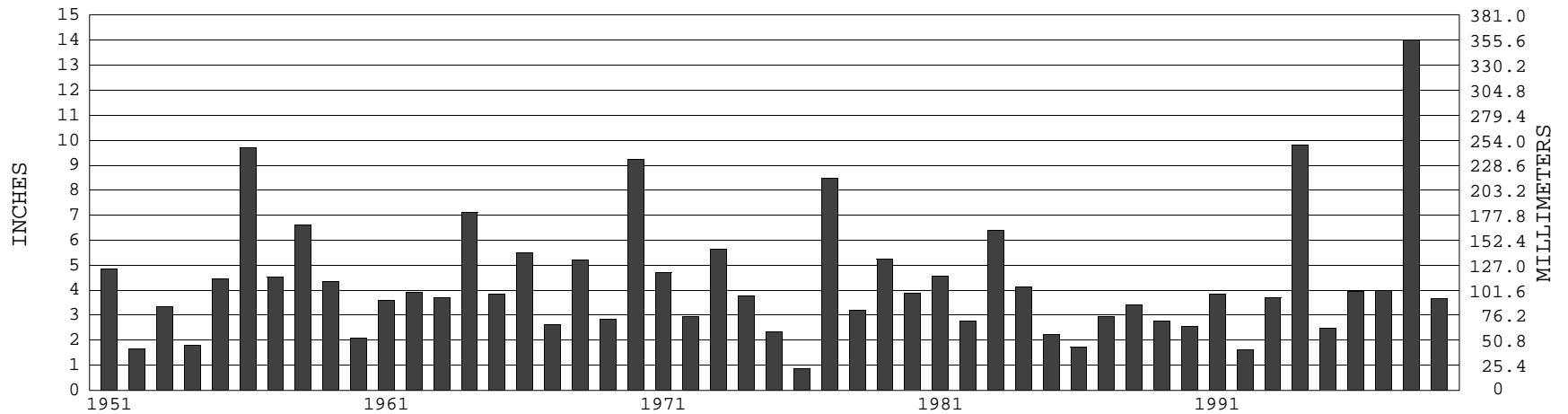
OAK RIDGE, TN APRIL TEMPERATURES



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

Long-Term (1951-1999) Mean: 57.8 1961-1990 Normal: 56.8

OAK RIDGE, TN APRIL PRECIPITATION



Long-Term (1951-1999) Mean Monthly Total: 4.35

1961-1990 Normal: 4.08



**APRIL 1999
OAK RIDGE, TN**

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA – National Weather Service / Department Of Transportation – Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.

DIRECTOR

NOTICE

Effective July 1, 1996, the National Weather Service & Federal Aviation Administration began using the METAR format for Hourly Observations.

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