



# MAY 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 #: -

MAY 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									
																			SPEED	DIR	SPEED	DIR								
1	2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19	20	21	22	23	24								
01	75	43*	59*	-2	42	51	6	0					0.00	29.10	30.07	3.8	04	4.7	25	06	16	06	01							
02	77	45	61	0	41	51	4	0					0.00	29.06	30.02	3.0	06	3.9	17	06	15	06	02							
03	79	45	62	1	47	54	3	0					0.00	29.04	30.00	2.9	20	3.7	15	16	13	14	03							
04	82	50	66	4	54	59	0	1	BR				0.00	28.97	29.91	1.2	22	2.2	16	23	13	23	04							
05	71	60	66	4	62	63	0	1	RA BR				0.58	28.91	29.85	1.5	19	3.1	22	26	14	25	05							
06	75	59	67	5	60	63	0	2	RA FG BR				1.90	28.88	29.82	3.8	19	6.2	29	27	20	27	06							
07	78	59	69	7	61	63	0	4	RA BR				0.12	28.91	29.85	2.6	20	4.2	32*	18	25*	17	07							
08	78	53	66	3	51	57	0	1	FG+ BR				0.00	29.01	29.96	3.0	23	3.7	25	22	13	22	08							
09	79	52	66	3	54	59	0	1					0.00	29.08	30.03	1.7	16	2.0	15	18	13	19	09							
10	83	55	69	6	56	62	0	4					0.00	29.08	30.02	1.4	06	2.6	13	07	10	07	10							
11	85	58	72	8	57	63	0	7	RA BR				T	29.10	30.04	1.0	14	2.5	15	12	10	19	11							
12	83	59	71	7	59	64	0	6	RA BR				T	29.00	29.94	2.2	18	3.0	16	19	11	14	12							
13	77	60	69	5	63	64	0	4	RA BR				0.56	28.87	29.81	1.4	20	3.2	15	26	10	25	13							
14	76	57	67	2	59	62	0	2	FG+ BR				0.00	28.98	29.93	1.2	04	2.6	14	34	11	06	14							
15	76	56	66	1	57	60	0	1	BR				0.00	29.16	30.11	2.3	07	3.5	11	06	9	07	15							
16	80	58	69	4	60	63	0	4	BR				0.00	29.19	30.14	0.3	12	1.5	11	18	8	17	16							
17	83	58	71	6	60	64	0	6	FG+ BR				0.00	29.16	30.10	0.5	20	2.5	11	26	9	16	17							
18	82	62	72	7			0	7	RA BR HZ				0.30	29.11	30.05	1.6	23	2.7	24	26	18	26	18							
19	76	54	65	0			0	0	FG+ BR				0.00	29.17		3.9	05	4.7	21	06	15	07	19							
20	79	52	66	0			0	1	HZ				0.00	29.19		1.6	07	2.6	15	08	11	09	20							
21	84	52	68	2	56	61	0	3	BR				0.00	29.16	30.11	1.5	22	2.7	17	20	13	21	21							
22	85	63	74*	7	62	66	0	9	RA FG BR HZ				0.34	29.05	29.99	3.3	26	4.3	20	27	14	25	22							
23	83	56	70	3	61	63	0	5	RA BR				0.47	28.96	29.90	2.2	23	3.7	26	28	20	26	23							
24	75	58	67	0	49	57	0	2	RA				0.01	28.91	29.85	4.1	28	6.3	23	28	16	29	24							
25	78	57	68	1	50	58	0	3	RA				0.02	28.99	29.94	4.1	27	5.3	20	27	13	27	25							
26	76	54	65	-3	54	59	0	0	RA BR				0.12	29.04	29.99	0.5	28	3.0	14	28	9	33	26							
27	78	50	64	-4	46	54	1	0					0.00	29.14	30.09	2.4	06	3.5	21	05	16	06	27							
28	81	47	64	-4	49	56	1	0	BR				0.00	29.19	30.15	0.3	05	2.0	13	22	9	23	28							
29	85*	54	70	2	58	63	0	5	BR HZ				0.00	29.22	30.17	0.5	11	3.2	15	25	11	26	29							
30	84	62	73	4	62	67	0	8	BR HZ				0.00	29.23	30.17	0.9	12	1.7	11	20	9	20	30							
31	83	60	72	3	61	65	0	7	FG+ BR				0.00	29.13	30.07	2.5	21	3.5	17	22	13	21	31							
											TOTALS-->																			
MONTHLY AVERAGES											4.42		29.06		0.5		21		3.4		-- MONTHLY AVERAGES									
DEPARTURE FROM NORMAL											- .26		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																	
DEGREE DAYS											GREATEST 24-HR PRECIPITATION: 2.37 DATE: 05-06				SEA LEVEL PRESSURE				DATE TIME											
MONTHLY TOTAL DEPARTURE											GREATEST 24-HR SNOWFALL: DATE: DATE:				MAXIMUM : 30.25 30 0853				MINIMUM : 29.72 05 2353											
SEASON TO DATE TOTAL DEPARTURE											GREATEST SNOW DEPTH: DATE: DATE:				PRECIPITATION ≥ 0.01 INCH : 10				PRECIPITATION ≥ 0.10 INCH : 8											
HEATING: 15 -81 732 -3451											NUMBER OF DAYS WITH →				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32: 0				THUNDERSTORMS : 0				HEAVY FOG : 5			
COOLING: 94 1 143 44															PRECIPITATION ≥ 1.0 INCH :															

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

## OAK RIDGE, TN

MAY 1999

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				0.01		T	0.20	0.01	0.10	0.11	0.10	0.01	05										0.04	05		0.58			
06	0.71	0.15	0.29	0.36	0.14	0.15	0.09	0.01					06												06		1.90		
07													07				0.02	0.10							07		0.12		
08													08												08		0.00		
09													09												09		0.00		
10													10												10		0.00		
11													11												11		T		
12													12												12		T		
13	T	T	T	0.15	T								13		0.20	0.04	0.03	T	0.12	0.02					13		0.56		
14													14												14		0.00		
15													15												15		0.00		
16													16												16		0.00		
17													17												17		0.00		
18													18			0.01	0.23	0.06	T					18		0.30			
19													19												19		0.00		
20													20												20		0.00		
21													21												21		0.00		
22			T	T	0.05	T	0.27	0.02					22	T	T										22		0.34		
23				0.01									23				0.06	0.11				T	0.15	0.14	23		0.47		
24	T										0.01		24												24		0.01		
25													25										T	0.02	25		0.02		
26	0.02	0.03	0.05	0.02	T	T	T						26												26		0.12		
27													27												27		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.



# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

MAY 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)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
<b>SUNRISE: 0545</b>				<b>MAY 01</b>	<b>SUNSET: 1923</b>				<b>SUNRISE: 0539</b>				<b>MAY 07</b>	<b>SUNSET: 1928</b>															
01	CLR	NC	10.00		47	46	46	97	0	00	29.12	30.09	01	CLR	NC	7.00		60	59	59	96	3	VR	28.92	29.86				
04	CLR	NC	10.00		45	43	44	93	0	00	29.12	30.09	04	OVC	014	5.00	BR	61	60	60	97	0	00	28.94	29.88				
07	CLR	NC	10.00		48	44	46	86	0	00	29.16	30.13	07	OVC	022	5.00	BR	62	60	61	93	3	18	28.95	29.89				
10	CLR	NC	10.00		62	37	50	40	10	04	29.16	30.13	10	SCT	NC	10.00		69	61	64	76	7	24	28.96	29.90				
13	CLR	NC	10.00		70	38	54	31	14	03	29.11	30.08	13	SCT	NC	10.00		74	60	65	62	6	26	28.90	29.84				
16	CLR	NC	10.00		74	40	56	29	9	05	29.06	30.01	16	SCT	NC	10.00		77	61	67	58	7	18	28.84	29.78				
19	CLR	NC	10.00		71	42	56	35	5	VR	29.04	29.99	19	BKN	046	10.00		64	63	63	96	0	00	28.87	29.81				
22	CLR	NC	10.00		56	49	52	77	0	00	29.07	30.03	22	OVC	085	7.00		63	63	63	100	3	VR	28.92	29.86				
<b>SUNRISE: 0544</b>				<b>MAY 02</b>	<b>SUNSET: 1924</b>				<b>SUNRISE: 0538</b>				<b>MAY 08</b>	<b>SUNSET: 1929</b>															
01	CLR	NC	10.00		49	47	48	93	0	00	29.07	30.02	01	BKN	003	7.00		59	59	59	100	0	00	28.94	29.88				
04	CLR	NC	10.00		48	45	47	89	5	06	29.07	30.03	04	VV	001	0.25	FG	55	55	55	100	0	00	28.96	29.90				
07	CLR	NC	10.00		48	45	47	89	3	05	29.10	30.07	07	BKN	001	1.25	BR	54	54	54	100	0	00	29.00	29.96				
10	CLR	NC	10.00		65	39	52	39	10	07	29.10	30.07	10	CLR	NC	10.00		65	53	58	66	10	21	29.04	29.99				
13	CLR	NC	10.00		72	34	53	25	6	VR	29.08	30.04	13	FEW	NC	10.00		74	44	58	34	9	23	29.03	29.97				
16	CLR	NC	10.00		76	33	54	21	3	VR	29.02	29.98	16	CLR	NC	10.00		76	46	59	35	8	25	29.01	29.96				
19	CLR	NC	10.00		72	40	55	31	0	00	29.01	29.97	19	CLR	NC	10.00		73	46	58	38	3	VR	29.02	29.97				
22	CLR	NC	10.00		56	47	51	72	0	00	29.05	30.01	22	CLR	NC	10.00		59	53	56	81	0	00	29.06	30.01				
<b>SUNRISE: 0543</b>				<b>MAY 03</b>	<b>SUNSET: 1925</b>				<b>SUNRISE: 0537</b>				<b>MAY 09</b>	<b>SUNSET: 1930</b>															
01	CLR	NC	10.00		50	46	48	86	0	00	29.04	30.00	01	FEW	NC	10.00		56	53	54	90	0	00	29.07	30.01				
04	CLR	NC	10.00		48	44	46	86	3	26	29.07	30.02	04	CLR	NC	10.00		53	52	52	96	0	00	29.06	30.00				
07	CLR	NC	10.00		47	45	46	93	0	00	29.12	30.08	07	CLR	NC	10.00		55	52	53	90	0	00	29.11	30.07				
10	CLR	NC	10.00		68	42	54	39	8	25	29.12	30.08	10	CLR	NC	10.00		69	51	59	53	0	00	29.11	30.07				
13	CLR	NC	10.00		75	45	58	34	9	17	29.05	30.00	13	CLR	NC	10.00		77	51	62	40	8	18	29.09	30.04				
16	CLR	NC	10.00		79	46	60	31	6	27	28.98	29.93	16	OVC	090	10.00		78	52	63	40	9	16	29.07	30.01				
19	CLR	NC	10.00		75	49	60	40	3	17	28.97	29.93	19	BKN	085	10.00		74	56	63	54	0	00	29.06	30.00				
22	CLR	NC	10.00		61	53	57	75	0	00	29.00	29.95	22	CLR	NC	10.00		65	60	62	84	0	00	29.08	30.03				
<b>SUNRISE: 0542</b>				<b>MAY 04</b>	<b>SUNSET: 1926</b>				<b>SUNRISE: 0536</b>				<b>MAY 10</b>	<b>SUNSET: 1931</b>															
01	CLR	NC	10.00		56	53	54	90	0	00	29.01	29.95	01	SCT	NC	10.00		61	58	59	90	0	00	29.08	30.03				
04	CLR	NC	9.00		52	51	52	97	0	00	29.00	29.94	04	CLR	NC	10.00		57	56	56	96	3	08	29.08	30.02				
07	CLR	NC	5.00	BR	53	51	52	93	0	00	29.03	29.98	07	CLR	NC	10.00		59	55	57	87	3	08	29.10	30.05				
10	FEW	NC	10.00		69	53	60	57	0	00	29.04	29.99	10	CLR	NC	10.00		73	55	62	53	8	08	29.12	30.07				
13	CLR	NC	10.00		78	53	63	42	7	VR	28.99	29.93	13	CLR	NC	10.00		80	55	65	42	5	VR	29.08	30.03				
16	FEW	NC	10.00		80	54	64	41	5	22	28.92	29.86	16	CLR	NC	10.00		82	53	65	37	3	VR	29.04	29.97				
19	SCT	NC	10.00		78	55	64	45	0	00	28.90	29.84	19	CLR	NC	10.00		78	57	65	48	0	00	29.04	29.98				
22	CLR	NC	10.00		66	59	62	78	3	22	28.91	29.85	22	OVC	080	10.00		70	60	64	71	0	00	29.08	30.02				
<b>SUNRISE: 0541</b>				<b>MAY 05</b>	<b>SUNSET: 1926</b>				<b>SUNRISE: 0535</b>				<b>MAY 11</b>	<b>SUNSET: 1932</b>															
01	CLR	NC	9.00		61	58	59	90	0	00	28.87	29.80	01	CLR	NC	10.00		63	59	61	87	0	00	29.10	30.04				
04	OVC	110	10.00		62	58	60	86	3	23	28.91	29.84	04	CLR	NC	6.00	BR	59	58	58	96	0	00	29.08	30.03				
07	OVC	032	1.25	-RA BR	61	60	60	97	5	VR	28.92	29.86	07	CLR	NC	6.00	BR	60	58	59	93	0	00	29.13	30.08				
10	OVC	065	2.00	-RA BR	62	61	61	96	3	21	28.98	29.93	10	CLR	NC	10.00		76	60	66	58	3	VR	29.15	30.09				
13	BKN	014	10.00		68	63	65	84	0	00	28.94	29.89	13	CLR	NC	10.00		83	56	66	40	7	VR	29.10	30.04				
16	OVC	022	10.00		70	64	66	82	5	18	28.90	29.85	16	SCT	NC	10.00		83	55	66	38	5	17	29.07	30.00				
19	OVC	028	10.00		70	64	66	82	0	00	28.88	29.83	19	CLR	NC	10.00		79	57	65	47	0	00	29.05	29.99				
22	OVC	060	10.00		67	66	66	97	0	00	28.88	29.82	22	OVC	080	10.00		72	59	64	64	3	22	29.11	30.05				
<b>SUNRISE: 0540</b>				<b>MAY 06</b>	<b>SUNSET: 1927</b>				<b>SUNRISE: 0534</b>				<b>MAY 12</b>	<b>SUNSET: 1932</b>															
01	OVC	031	4.00	RA BR	63	61	62	93	5	VR	28.85	29.79	01	BKN	095	10.00		66	59	62	78	0	00	29.08	30.02				
04	OVC	049	2.50	+RA BR	62	61	61	96	0	00	28.91	29.86	04	CLR	NC	8.00		61	59	60	93	0	00	29.06	29.99				
07	BKN	041	10.00	-RA	62	60	61	93	10	07	28.81	29.75	07	CLR	NC	6.00	BR	63	60	61	90	0	00	29.09	30.04				
10	CLR	NC	10.00		67	62	64	84	7	VR	28.86	29.80	10	CLR	NC	10.00		74	61	66	64	8	20	29.08	30.01				
13	FEW	NC	10.00		74	59	65	60	13	20	28.87	29.81	13	FEW	NC	10.00		79	58	66	49	5	15	29.02	29.95				
16	CLR	NC	10.00		74	58	64	57	13	22	28.86	29.80	16	FEW	NC	10.00		81	57	66	44	6	VR	28.92	29.85				
19	CLR	NC	10.00		71	59	64	66	6	VR	28.87	29.81	19	CLR	NC	10.00		75	59	65	58	6	18	28.91	29.85				
22	CLR	NC	10.00		62	60	61	93	0	00	28.92	29.86	22	BKN	080	9.00		69	60	64	73	3	VR	28.93	29.86				

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

MAY 1999

QQT

WBAN # 53868

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)					
	SKY COVER	CEILING 100'S OF FT		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING 100'S OF FT		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL				
				SUNRISE: 0533		MAY 13		SUNSET: 1933						SUNRISE: 0529		MAY 19		SUNSET: 1938									
01	OVC	055		9.00		68	62	64	81	3	VR	28.91	29.84	01	CLR	NC		6.00	BR	59	58	58	96	0	00	29.14	30.09
04	OVC	030		4.00	-RA BR	64	63	63	96	0	00	28.88	29.81	04	CLR	NC		9.00		57	57	57	100	0	00	29.14	30.10
07	OVC	009		3.00	BR	64	63	63	96	3	19	28.89	29.83	07	CLR	NC		10.00		59	53	56	81	5	VR	29.16	30.12
10	OVC	022		8.00		68	63	65	84	5	VR	28.90	29.84	10	CLR	NC		10.00		68	53	59	59	8	05	29.19	30.14
13	SCT	NC		10.00		76	61	67	60	6	VR	28.84	29.77	13	CLR	NC		10.00						10	02	29.18	
16	BKN	100		10.00		64	63	63	96	3	19	28.84	29.79	16	CLR	NC		10.00						8	03	29.15	
19	FEW	NC		9.00		65	63	64	93	3	15	28.83	29.78	19	CLR	NC		10.00		71	49	59	46	5	05	29.15	30.11
22	OVC	090		10.00		62	61	61	96	0	00	28.89	29.83	22	CLR	NC		10.00		59	53	56	81	0	00	29.18	30.14
				SUNRISE: 0532		MAY 14		SUNSET: 1934						SUNRISE: 0528		MAY 20		SUNSET: 1939									
01	OVC	070		6.00	BR	61	60	60	97	5	06	28.88	29.82	01	CLR	NC		10.00						0	00	29.17	
04	OVC	110		5.00	BR	58	58	58	100	0	00	28.90	29.85	04	CLR	NC		10.00						0	00	29.19	
07	OVC	001		3.00	BR	58	58	58	100	0	00	28.95	29.90	07	CLR	NC		10.00						0	00	29.23	
10	BKN	034		10.00		67	59	62	76	7	07	28.99	29.93	10	CLR	NC		10.00		69	51	59	53	7	06	29.25	30.21
13	CLR	NC		10.00		73	58	64	59	6	VR	28.99	29.93	13	CLR	NC		10.00		75	51	61	43	7	VR	29.21	
16	OVC	100		10.00		73	59	64	62	5	VR	29.00	29.94	16	CLR	NC		10.00		78	52	63	40	0	00	29.16	
19	OVC	110		10.00		72	60	65	66	5	36	29.03	29.97	19	CLR	NC		10.00		74	53	62	48	0	00	29.13	
22	BKN	060		10.00		65	61	63	87	5	05	29.08	30.02	22	CLR	NC		10.00		62	54	57	75	0	00	29.18	30.13
				SUNRISE: 0532		MAY 15		SUNSET: 1935						SUNRISE: 0527		MAY 21		SUNSET: 1940									
01	CLR	NC		5.00	BR	61	61	61	100	3	VR	29.09	30.04	01	CLR	NC		10.00		57	54	55	90	0	00	29.16	30.11
04	CLR	NC		10.00		58	55	56	90	3	09	29.11	30.06	04	CLR	NC		7.00		53	52	52	96	0	00	29.18	30.14
07	OVC	020		10.00		57	52	54	83	6	06	29.18	30.14	07	FEW	NC		6.00	BR	55	53	54	93	3	VR	29.22	30.17
10	OVC	020		10.00		62	54	57	75	6	08	29.22	30.18	10	CLR	NC		10.00		70	57	62	64	0	00	29.21	30.17
13	FEW	NC		10.00		71	59	64	66	5	VR	29.18	30.14	13	CLR	NC		10.00		81	58	67	46	6	22	29.17	30.12
16	FEW	NC		10.00		74	58	64	57	5	VR	29.12	30.08	16	CLR	NC		10.00		83	56	66	40	6	23	29.12	30.07
19	CLR	NC		10.00		73	59	64	62	0	00	29.14	30.09	19	CLR	NC		10.00		79	59	66	50	7	22	29.09	30.04
22	CLR	NC		8.00		63	60	61	90	0	00	29.17	30.13	22	CLR	NC		9.00		69	61	64	76	0	00	29.10	30.04
				SUNRISE: 0531		MAY 16		SUNSET: 1936						SUNRISE: 0527		MAY 22		SUNSET: 1940									
01	CLR	NC		5.00	BR	60	59	59	96	0	00	29.15	30.11	01	SCT	NC		6.00	BR	64	60	62	87	0	00	29.08	30.02
04	SCT	NC		3.00	BR	59	59	59	100	0	00	29.16	30.11	04	OVC	075		7.00		67	62	64	84	0	00	29.08	30.00
07	OVC	002		2.00	BR	59	59	59	100	0	00	29.24	30.19	07	OVC	055		2.00	-RA BR	65	64	64	97	3	17	29.10	30.05
10	BKN	023		10.00		71	61	65	71	3	VR	29.27	30.22	10	SCT	NC		7.00		73	66	69	79	12	22	29.10	30.04
13	FEW	NC		10.00		75	60	66	60	6	VR	29.22	30.17	13	BKN	055		9.00		79	66	70	65	5	VR	29.06	29.99
16	SCT	NC		10.00		78	58	66	50	0	00	29.16	30.11	16	CLR	NC		10.00		84	61	69	46	12	27	29.00	29.93
19	CLR	NC		10.00		78	57	65	48	0	00	29.15	30.10	19	CLR	NC		10.00		81	58	67	46	7	27	29.01	29.94
22	CLR	NC		10.00		67	62	64	84	0	00	29.18	30.13	22	CLR	NC		10.00		69	58	62	68	0	00	29.02	29.96
				SUNRISE: 0530		MAY 17		SUNSET: 1936						SUNRISE: 0526		MAY 23		SUNSET: 1941									
01	CLR	NC		8.00		62	61	61	96	0	00	29.14	30.09	01	CLR	NC		10.00		61	58	59	90	0	00	29.04	29.98
04	CLR	NC		6.00	BR	60	59	59	96	0	00	29.16	30.11	04	CLR	NC		8.00		58	56	57	93	0	00	29.03	29.97
07	VV	001		< .25	FG	59	59	59	100	3	07	29.21	30.16	07	CLR	NC		8.00		60	57	58	90	0	00	29.04	29.98
10	FEW	NC		10.00		73	60	65	64	7	VR	29.24	30.18	10	CLR	NC		10.00		73	61	66	66	8	19	29.02	29.96
13	CLR	NC		10.00		80	58	66	47	5	VR	29.19	30.13	13	FEW	NC		10.00		80	60	67	51	6	21	28.97	29.91
16	CLR	NC		10.00		83	61	69	48	6	VR	29.12	30.06	16	SCT	NC		10.00		83	60	68	46	8	21	28.89	29.82
19	CLR	NC		10.00		79	60	67	52	5	18	29.09	30.03	19	BKN	110		10.00		68	65	66	90	3	VR	28.88	29.83
22	CLR	NC		10.00		71	63	66	76	0	00	29.14	30.08	22	OVC	050		8.00	-RA	65	64	64	97	3	VR	28.84	29.78
				SUNRISE: 0529		MAY 18		SUNSET: 1937						SUNRISE: 0525		MAY 24		SUNSET: 1942									
01	BKN	065		10.00		68	63	65	84	0	00	29.11	30.05	01	FEW	NC		10.00		65	63	64	93	6	VR	28.83	29.76
04	CLR	NC		9.00		64	62	63	93	0	00	29.10	30.04	04	CLR	NC		9.00		64	60	62	87	5	VR	28.83	29.76
07	BKN	065		8.00		66	63	64	90	3	24	29.12	30.06	07	CLR	NC		10.00		60	47	53	62	0	00	28.93	29.88
10	BKN	070		10.00		75	61	66	62	6	22	29.12	30.06	10	FEW	NC		10.00		65	43	53	45	9	30	28.95	29.90
13	CLR	NC		10.00		81	63	69	54	9	20	29.07	30.00	13	CLR	NC		10.00		71	41	55	34	13	29	28.92	29.85
16	OVC	026		1.75	+RA BR	66	65	65	96	0	00	29.08	30.03	16	SCT	NC		10.00		74	47	59	38	8	24	28.88	29.82
19	OVC	012		10.00						0	00	29.09	30.04	19	OVC	070		10.00		70	47	57	44	7	28	28.93	29.88
22	BKN	050		6.00	HZ					0	00	29.14	30.09	22	CLR	NC											

# OBSERVATIONS AT 3-HOURLY INTERVALS

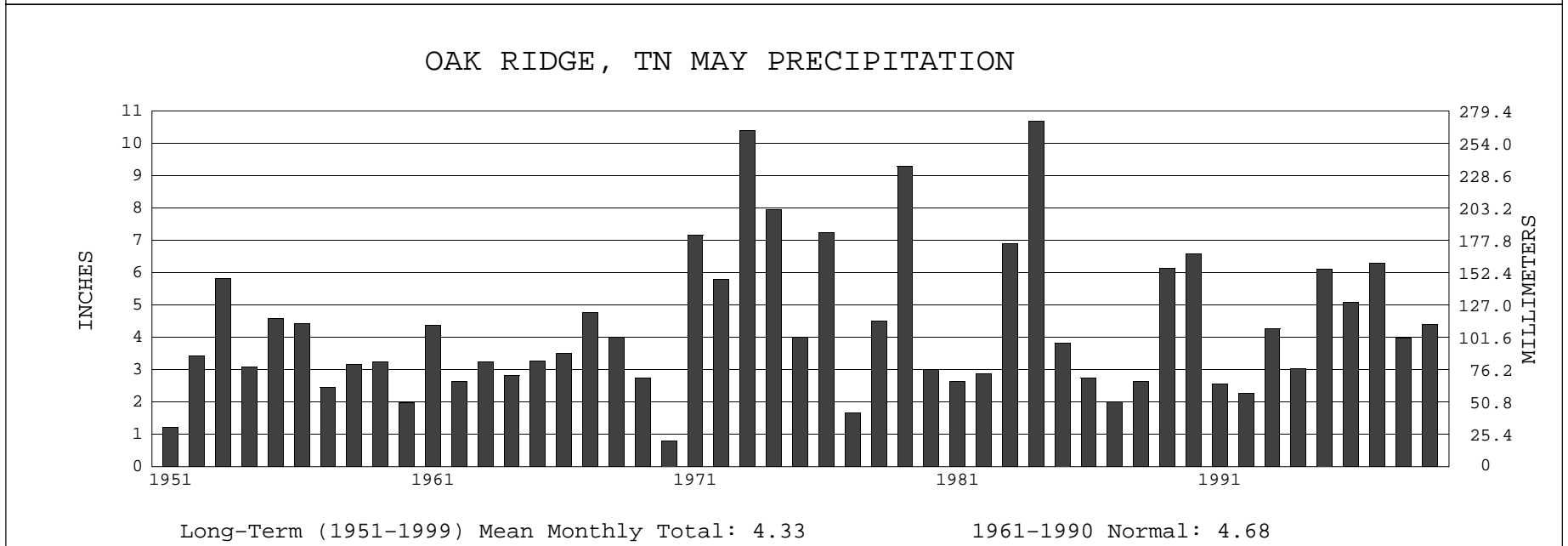
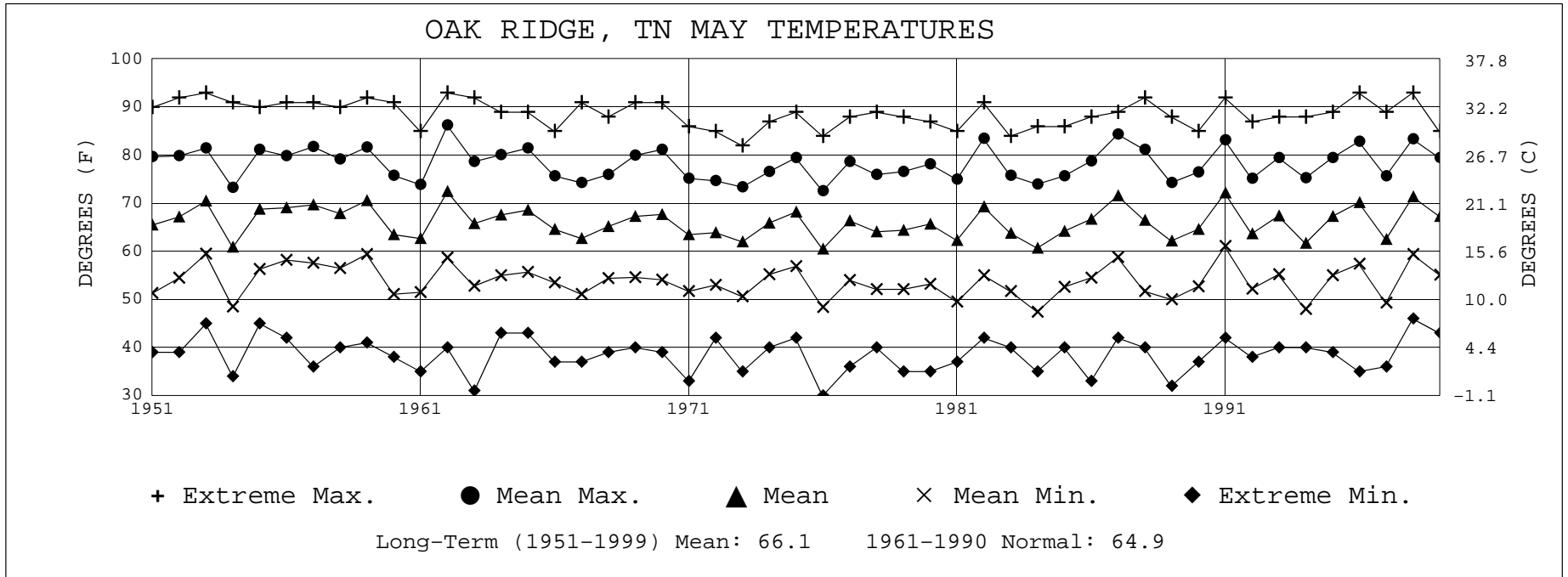
# OAK RIDGE, TN

MAY 1999

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)																	
	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)			SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)		SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL																										
SUNRISE: 0525								MAY 25								SUNSET: 1943								SUNRISE: 0522								MAY 31								SUNSET: 1947							
01	BKN	070				10.00		60	54	57	80	0	00	28.93	29.88	01	CLR	NC					5.00	BR		64	62	63	93	0	00	29.18	30.12														
04	OVC	060				10.00		61	53	57	75	0	00	28.91	29.85	04	BKN	070					2.00	BR		60	60	60	100	0	00	29.16	30.10														
07	SCT	NC				10.00		60	54	57	80	0	00	28.98	29.92	07	FEW	NC					2.50	BR		61	61	61	100	0	00	29.19	30.13														
10	CLR	NC				10.00		69	47	57	45	6	25	29.02	29.96	10	OVC	070					10.00			75	58	65	55	6	VR	29.18	30.12														
13	CLR	NC				10.00		75	48	60	39	8	27	29.01	29.95	13	CLR	NC					10.00			79	59	66	50	6	20	29.13	30.08														
16	BKN	110				10.00		77	46	60	33	12	28	28.99	29.93	16	FEW	NC					10.00			82	58	67	44	8	22	29.08	30.02														
19	OVC	090				10.00		71	50	59	47	5	25	29.01	29.96	19	CLR	NC					10.00			76	61	67	60	5	VR	29.07	30.01														
22	OVC	070				10.00		66	49	57	54	8	21	29.06	30.00	22	BKN	100					10.00			72	63	66	73	0	00	29.08	30.02														
SUNRISE: 0524								MAY 26								SUNSET: 1943								3-HOURLY OBSERVATION NOTES																							
01	OVC	100				10.00	-RA	59	57	58	93	3	VR	29.05	29.99	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	OVC	037				10.00	-RA	59	58	58	96	0	00	29.03	29.97	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																															
07	OVC	006				7.00		60	58	59	93	0	00	29.06	30.00	NC = No ceiling detected.																															
10	OVC	019				10.00		65	59	61	81	3	VR	29.06	30.01	& = Original observation contained additional weather elements.																															
13	CLR	NC				10.00		71	56	62	59	3	VR	29.03	29.98	See page 3 for additional notes.																															
16	FEW	NC				10.00		76	49	60	39	6	VR	28.99	29.93																																
19	CLR	NC				10.00		72	48	59	43	3	34	29.01	29.95																																
22	CLR	NC				10.00		59	50	54	72	0	00	29.07	30.02																																
SUNRISE: 0524								MAY 27								SUNSET: 1944								SUMMARY BY HOUR																							
01	CLR	NC				10.00		53	50	51	89	0	00	29.08	30.03	AVERAGES																															
04	CLR	NC				10.00		50	49	49	96	0	00	29.09	30.05	RESULTANT WIND (MPH)																															
07	CLR	NC				10.00		54	50	52	87	0	00	29.16	30.12	HOUR (LST)																															
10	CLR	NC				10.00		68	47	56	47	10	06	29.17	30.14	CEILOMETER																															
13	CLR	NC				10.00		73	41	56	32	3	VR	29.15	30.11	EFF CLD AMT																															
16	CLR	NC				10.00		77	42	58	29	3	06	29.11	30.07	DRY BULB																															
19	CLR	NC				10.00		75	41	57	30	3	35	29.12	30.08	DEW POINT																															
22	CLR	NC				10.00		58	48	53	70	0	00	29.17	30.13	WET BULB																															
SUNRISE: 0523								MAY 28								SUNSET: 1945								PRESSURE (INCHES, HG)																							
01	CLR	NC				10.00		52	46	49	80	0	00	29.16	30.12	STATION																															
04	CLR	NC				10.00		48	46	47	93	0	00	29.19	30.15	SEA LEVEL																															
07	CLR	NC				10.00		52	48	50	86	3	06	29.23	30.19	VISIBILITY (MILES)																															
10	CLR	NC				10.00		70	48	58	46	3	VR	29.23	30.19	WIND SPEED (MPH)																															
13	CLR	NC				10.00		78	49	61	36	0	00	29.20	30.15	SPEED																															
16	CLR	NC				10.00		79	51	63	38	5	VR	29.16	30.12	DIRECTION																															
19	CLR	NC				10.00		77	49	61	37	0	00	29.15	30.11																																
22	CLR	NC				10.00		63	55	58	76	0	00	29.19	30.14																																
SUNRISE: 0523								MAY 29								SUNSET: 1945																															
01	CLR	NC				4.00	BR	57	55	56	93	0	00	29.20	30.16																																
04	CLR	NC				7.00		55	54	54	96	3	06	29.19	30.14																																
07	CLR	NC				8.00		58	56	57	93	3	09	29.25	30.20																																
10	CLR	NC				10.00		72	55	62	55	7	VR	29.26	30.22																																
13	CLR	NC				10.00		84	56	67	38	8	09	29.23	30.18																																
16	CLR	NC				9.00		80	59	67	49	10	23	29.18	30.13																																
19	CLR	NC				5.00	HZ	79	63	69	58	0	00	29.18	30.13																																
22	BKN	100				5.00	HZ	71	64	67	79	0	00	29.23	30.18																																
SUNRISE: 0523								MAY 30								SUNSET: 1946																															
01	OVC	100				5.00	HZ	70	64	66	82	0	00	29.23	30.16																																
04	CLR	NC				2.50	BR	63	63	63	100	0	00	29.24	30.18																																
07	CLR	NC				2.00	BR	65	63	64	93	0	00	29.30	30.25																																
10	CLR	NC				8.00		76	61	67	60	0	00	29.30	30.24																																
13	FEW	NC				10.00		83	60	68	46	9	18	29.26	30.19																																
16	CLR	NC				10.00		83	57	67	41	0	00	29.18	30.12																																
19	BKN	090				10.00		79	63	69	58	3	06	29.15	30.09																																
22	OVC	075				10.00		74	63	67	69	0	00	29.20	30.14																																





**MAY 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

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