



JULY 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 #: -

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	85	69	77	2	71	73	0	12				0.00	29.06	29.99	5.1	22	6.9	18	21	15	21	01	
02	82	71	77	2	73	74	0	12	RA BR			1.26	29.17	30.10	2.4	23	4.0	16	28	11	21	02	
03	90	73	82	7	73	75	0	17	BR			0.00	29.25	30.18	1.1	19	2.0	10	18	9	18	03	
04	90	72	81	6			0	16	BR			0.00					2.5	11	35			04	
05	93	74	84	9			0	19	RA			0.07					1.7	11	36			05	
06	94	73	84	9			0	19	RA BR HZ			0.03					4.3	20	27	14	26	06	
07	92	70	81	5			0	16	RA FG+ BR HZ			0.00					1.7	20	26	15	26	07	
08	89	72	81	5			0	16	BR HZ			0.00					3.2					08	
09	89	76	83	7			0	18	RA BR HZ			T					4.7	14	25	11	20	09	
10	81	73	77	1	72	73	0	12	RA FG BR			1.09	29.09	30.02	1.9	21	3.2	16	22	13	21	10	
11	74	69	72	-4	70	70	0	7	RA BR			0.40	29.13	30.07	0.7	05	1.7	10	36	8	06	11	
12	71	66	69*	-7	65	66	0	4	RA BR			2.44	29.11	30.06	2.5	06	4.3	13	07	10	07	12	
13	79	66	73	-3	65	67	0	8	HZ			0.00	29.14	30.08	0.6	06	1.8	9	21	7	26	13	
14	83	68	76	0	67	70	0	11	BR HZ			0.00	29.18	30.12	0.8	23	2.7	13	26	9	23	14	
15	87	66*	77	1			0	12	FG BR HZ			0.00					1.4					15	
16	89	70	80	4			0	15	RA FG+ BR HZ			T					1.9					16	
17	88	70	79	3	70	73	0	14	BR HZ			0.00	29.25	30.17	1.3	23	1.5					17	
18	86	72	79	3			0	14	RA BR HZ			T					1.3					18	
19	86	74	80	4			0	15	RA FG+ BR			0.98					2.0					19	
20	85	72	79	3	73	75	0	14	RA FG BR HZ			0.22	29.18	30.11	0.9	21	2.1	10	27	8	27	20	
21	86	74	80	4	74	75	0	15	RA BR HZ			0.08	29.19	30.12	0.4	20	1.2	17	28	14	28	21	
22	90	73	82	6	74	75	0	17	RA FG+ BR HZ			0.99	29.17	30.10	0.5	13	1.8	20	35	14	34	22	
23	94	72	83	7	74	76	0	18	FG+ BR HZ			0.00	29.09	30.01	0.1	30	1.2	10	29	8	27	23	
24	90	70	80	4	73	74	0	15	RA FG+ BR HZ			0.45	29.03	29.96	0.6	05	1.8	28	36	20	36	24	
25	89	70	80	4	73	75	0	15	BR HZ			0.00	29.06	29.99	0.6	20	2.0	9	09	8	08	25	
26	94	73	84	8	73	76	0	19	FG+ BR HZ			0.00	29.05	29.96	1.3	27	2.3	11	27	9	27	26	
27	95	71	83	7	72	74	0	18	RA FG+ BR HZ			0.02	29.08	29.99	0.7	17	1.9	28*	06	20*	05	27	
28	93	68	81	5	72	74	0	16	FG+ BR HZ			0.00	29.06	29.98	1.4	22	2.6	14	22	10	22	28	
29	96	73	85	9	75	77	0	20	BR HZ			0.00	28.95	29.86	1.7	18	3.1	13	16	11	16	29	
30	97	71	84	8	75	78	0	19	BR			0.00	28.93	29.84	2.3	23	3.2	15	20	11	21	30	
31	97*	74	86*	10	76	79	0	21	FG+ BR HZ			0.00	28.96	29.87	1.8	22	2.8	13	21	10	20	31	

88.2	71.1	79.7	■ ■						< MONTHLY AVERAGES	TOTALS-->		8.03					2.5	<- MONTHLY AVERAGES			
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1.5	6.2	3.9	■ ■	←----- DEPARTURE FROM NORMAL ----->						2.58	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
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DEGREE DAYS				GREATEST 24-HR PRECIPITATION: 2.49		DATE: 11-12		SEA LEVEL PRESSURE		DATE		TIME	
MONTHLY		SEASON TO DATE		GREATEST 24-HR SNOWFALL:		DATE:		MAXIMUM		: 30.26		04 0853	
TOTAL DEPARTURE		TOTAL DEPARTURE		GREATEST SNOW DEPTH:		DATE:		MINIMUM		: 29.79		30 1853	
HEATING: 0		0		0		0		NUMBER OF DAYS WITH		MAXIMUM TEMP ≥ 90: 14		MINIMUM TEMP ≤ 32: 0	
COOLING: 464		129		917		257		→		MAXIMUM TEMP ≤ 32: 0		MINIMUM TEMP ≤ 0: 0	
										THUNDERSTORMS: 0		HEAVY FOG: 10	
										PRECIPITATION ≥ 0.01 INCH: 12		PRECIPITATION ≥ 0.10 INCH: 8	
										SNOWFALL ≥ 1.0 INCH: :			

JULY 1999
OAK RIDGE, TN

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN

JULY 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		1.26		
03													03												03		0.00		
04													04												04		0.00		
05													05												05	0.00	0.07		
06													06												06		0.03		
07													07												07	0.04	0.00		
08													08												08		0.00		
09													09												09		0.00		
10													10												10		T		
11													11												11		1.09		
12													12												12		T		
13													13												13		0.40		
14													14												14		2.44		
15													15												15		0.00		
16													16												16		0.00		
17													17												17		T		
18													18												18		0.00		
19													19												19		T		
20													20												20		0.98		
21													21												21		0.22		
22													22												22		T		
23													23												23		0.96		
24													24												24		0.98		
25													25												25		0.22		
26													26												26		0.08		
27													27												27		0.01		
28													28												28		0.92		
29													29												29		0.04		
30													30												30		0.01		
31													31												31		0.05		

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

JULY 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			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		
SUNRISE: 0524 JUL 01 SUNSET: 1958								SUNRISE: 0527 JUL 07 SUNSET: 1957																									
01	CLR	NC				10.00		71	68	69	90	5	VR	29.01	29.93	01	CLR	NC					5.00	BR	73	71	72	94	0	00	29.08	29.99	
04	FEW	NC				10.00		70	68	69	93	0	00	29.04	29.96	04	OVC	002					2.50	BR	71	70	70	96	0	00	29.08	30.00	
07	OVC	018				8.00		71	69	70	94	3	26	29.07	30.00	07	OVC	001					0.75	BR	71	70	70	96	0	00	29.10	30.03	
10	OVC	018				10.00		75	70	72	84	8	24	29.09	30.02	10	CLR	NC					8.00		78	72	74	82	3	15	29.10	30.03	
13	BKN	025				8.00		81	72	75	74	10	22	29.09	30.03	13	FEW	NC					8.00		89	74	78	61	3	VR	29.08	30.00	
16	BKN	038				7.00		83	72	75	70	10	19	29.07	29.99	16	CLR	NC					8.00		88	74	78	63	6	25	29.02	29.94	
19	CLR	NC				8.00		82	72	75	72	5	VR	29.02	29.94	19																	
22	CLR	NC				9.00		80	71	74	74	12	21	29.08	30.00	22																	
SUNRISE: 0524 JUL 02 SUNSET: 1958								SUNRISE: 0527 JUL 08 SUNSET: 1957																									
01	BKN	055				9.00		77	70	72	79	6	26	29.11	30.04	01	OVC	040					6.00	BR	74	72	73	94	0	00	29.08	30.02	
04	OVC	017				10.00		73	70	71	90	3	32	29.12	30.05	04	BKN	060					5.00	BR	74	72	73	94	0	00	29.08	30.00	
07	BKN	008				2.00	-RA BR	73	73	73	100	0	00	29.15	30.09	07	OVC	005					4.00	BR	73	71	72	94	6	23	29.11	30.03	
10	BKN	006				8.00		76	74	75	94	5	VR	29.18	30.11	10	FEW	NC					7.00		80	72	74	76	5	VR	29.13	30.06	
13	BKN	026				10.00		80	73	75	79	6	20	29.19	30.12	13	BKN	042					7.00		86	73	77	65	3	VR	29.10	30.03	
16	BKN	024				10.00		81	73	75	77	5	20	29.17	30.10	16	BKN	041					7.00		88	70	75	55	5	17	29.07	29.98	
19	OVC	021				10.00		80	74	76	82	7	20	29.18	30.11	19	CLR	NC					6.00	HZ	86	73	77	65	5	22	29.07	29.99	
22	SCT	NC				10.00		75	73	74	94	0	00	29.21	30.14	22																	
SUNRISE: 0525 JUL 03 SUNSET: 1958								SUNRISE: 0528 JUL 09 SUNSET: 1956																									
01	CLR	NC				10.00		73	73	73	100	0	00	29.21	30.14	01																	
04	OVC	090				6.00	BR	74	73	73	97	0	00	29.21	30.14	04																	
07	OVC	095				5.00	BR	75	73	74	94	0	00	29.30	30.23	07																	
10	CLR	NC				9.00		81	73	75	77	5	22	29.29	30.22	10	OVC	029					6.00	HZ	81	71	73	79	6	VR	29.16	30.09	
13	FEW	NC				8.00		87	71	76	59	5	VR	29.27	30.19	13	BKN	045					7.00		81	71	74	72	9	22	29.15	30.08	
16	CLR	NC				10.00		88	73	77	61	5	18	29.23	30.16	16	BKN	085					7.00		82	73	76	74	6	VR	29.11	30.03	
19	CLR	NC				10.00		87	72	76	61	3	19	29.22	30.15	19	CLR	NC					8.00		81	72	75	74	7	VR	29.07	29.98	
22	FEW	NC				10.00		80	73	75	79	3	21	29.26	30.18	22	CLR	NC					7.00		77	72	74	85	0	00	29.12	30.05	
SUNRISE: 0525 JUL 04 SUNSET: 1957								SUNRISE: 0528 JUL 10 SUNSET: 1956																									
01	CLR	NC				8.00		76	73	74	91	0	00	29.27	30.20	01	CLR	NC					7.00		76	72	73	88	3	21	29.09	30.02	
04	CLR	NC				6.00	BR	73	72	72	96	0	00	29.29	30.22	04	OVC	032					5.00	BR	75	73	74	94	3	26	29.08	29.99	
07	CLR	NC				7.00		75	72	73	90	0	00	29.32	30.24	07	OVC	022					5.00	BR	75	72	73	90	3	25	29.10	30.03	
10	CLR	NC				10.00		85	72	76	65	5	VR	29.33	30.26	10	BKN	039					1.25	-RA BR	75	72	73	90	7	20	29.10	30.03	
13	CLR	NC				10.00		89	72	77	57	5	15	29.31	30.23	13	SCT	NC					9.00	-RA BR	73	72	72	96	7	21	29.09	30.03	
16	SCT	NC				10.00		89	73	78	59	3	06	29.25	30.17	16	BKN	038					2.00	-RA BR	76	73	74	91	0	00	29.08	30.00	
19																19	FEW	NC					10.00	-RA BR	74	72	73	94	0	00	29.08	30.02	
22																22	BKN	008					9.00		73	72	72	96	0	00	29.11	30.05	
SUNRISE: 0526 JUL 05 SUNSET: 1957								SUNRISE: 0529 JUL 11 SUNSET: 1956																									
01																01	OVC	055					10.00		73	71	72	94	0	00	29.11	30.05	
04																04	CLR	NC					5.00	BR	71	70	70	96	3	VR	29.09	30.03	
07																07	BKN	037					4.00	-RA BR	70	69	69	97	0	00	29.14	30.08	
10																10	OVC	015					4.00	-RA BR	70	69	69	97	3	VR	29.16	30.11	
13																13	BKN	022					5.00	-RA BR	72	70	71	94	3	VR	29.16	30.10	
16																16	OVC	012					6.00	-RA BR	73	70	71	90	6	01	29.12	30.06	
19																19	OVC	050					5.00	BR	73	70	71	90	0	00	29.10	30.04	
22																22	OVC	035					5.00	-RA BR	72	70	71	94	0	00	29.12	30.06	
SUNRISE: 0526 JUL 06 SUNSET: 1957								SUNRISE: 0530 JUL 12 SUNSET: 1955																									
01																01	OVC	009					1.75	+RA BR	69	69	69	100	7	07	29.09	30.04	
04																04	OVC	005					2.00	+RA BR	67	66	66	97	0	00	29.08	30.02	
07																07	OVC	016					2.00	RA BR	66	65	65	96	7	06	29.09	30.03	
10	FEW	NC				7.00		88	75	79	66	7	VR	29.16	30.08	10	OVC	012					6.00	-RA BR	66	65	65	96	7	VR	29.12	30.07	
13	BKN	050				10.00		91	72	78	54	6	VR	29.12	30.03	13	OVC	012					10.00	-RA BR	67	65	66	93	3	VR	29.12	30.08	
16	CLR	NC				7.00		91	74	79	57	6	01	29.07	29.96	16	OVC	016					5.00	BR	68	66	67	93	6	06	29.10	30.05	
19	BKN	070				6.00	-RA BR	78	74	75	87	6	20	29.09	30.01	19	OVC	018					10.00		67	65	66	93	6	05	29.11	30.06	
22	CLR	NC				9.00		75	71	72	88	3	20	29.11	30.03	22	OVC	024					10.00		66	63	64	90	0	00	29.14	30.09	

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

JULY 1999

OQT

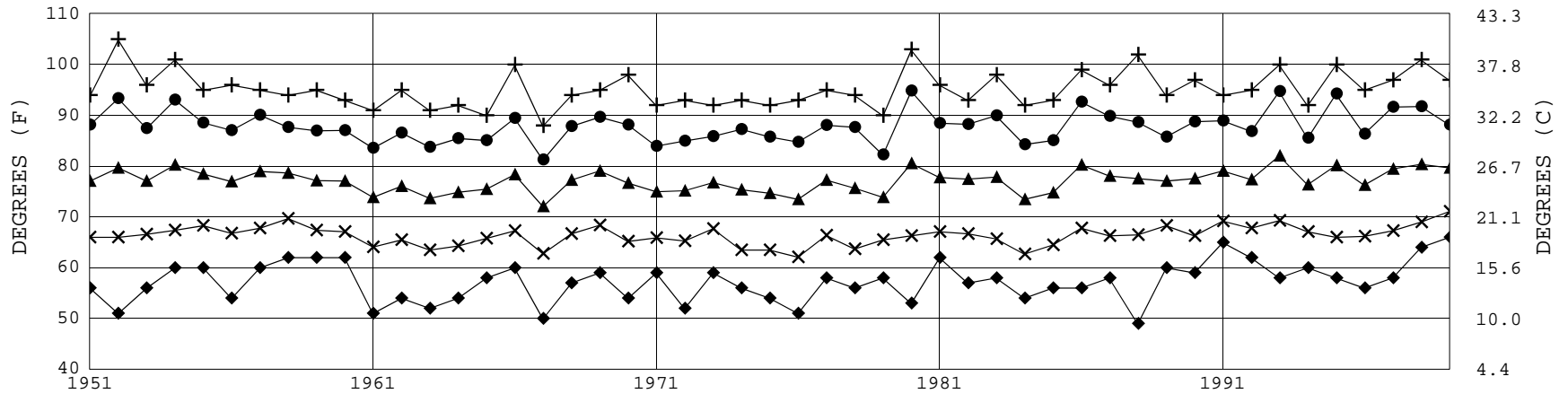
WBAN # 53868

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		OBSERVATION TIME (LST)	EFF CLD AMT Okta	VISIBILITY (MILES)	WEATHER	TEMPERATURE ° F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		OBSERVATION TIME (LST)	EFF CLD AMT Okta	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: 0539										JUL 25				SUNSET: 1948				SUNRISE: 0543										JUL 31				SUNSET: 1944			
01	VV	001						0.75	BR	70	70	70	100	0	00	29.07	30.01	01	CLR	NC						7.00		79	77	78	94	0	00	28.93	29.83
04	OVC	003						4.00	BR	71	70	70	96	0	00	29.04	29.97	04	CLR	NC						3.00	BR	75	74	74	96	0	00	28.95	29.85
07	OVC	004						3.00	BR	71	70	70	96	0	00	29.08	30.01	07	CLR	NC						3.00	BR	75	74	74	96	0	00	28.97	29.88
10	OVC	010						4.00	HZ	75	70	72	84	0	00	29.10	30.04	10	CLR	NC						9.00		89	76	80	65	7	26	28.99	29.90
13	CLR	NC						5.00	HZ	83	75	77	77	3	VR	29.08	30.00	13	CLR	NC						10.00		95	74	80	51	8	25	28.98	29.88
16	CLR	NC						10.00		88	75	79	66	6	09	29.04	29.96	16	BKN	055						7.00		94	75	80	54	6	VR	28.94	29.85
19	CLR	NC						9.00		87	75	78	67	0	00	29.03	29.95	19	CLR	NC						8.00		91	77	81	64	0	00	28.94	29.85
22	CLR	NC						5.00	BR	80	77	78	90	0	00	29.06	29.98	22	CLR	NC						8.00		84	78	80	82	0	00	28.99	29.89
SUNRISE: 0539										JUL 26				SUNSET: 1948				3-HOURLY OBSERVATION NOTES																	
01	CLR	NC						4.00	BR	77	75	76	94	0	00	29.04	29.96	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	VV	001						<.25	FG	74	74	74	100	0	00	29.03	29.94	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																	
07	VV	001						0.25	FG	73	73	73	100	3	23	29.06	29.98	NC = No ceiling detected.																	
10	CLR	NC						7.00		82	73	76	74	3	VR	29.08	30.00	& = Original observation contained additional weather elements.																	
13	FEW	NC						7.00		89	73	78	59	3	VR	29.06	29.97	See page 3 for additional notes.																	
16	SCT	NC						6.00	HZ	93	70	77	47	6	25	29.03	29.94																		
19	CLR	NC						5.00	HZ	88	73	77	61	6	28	29.01	29.93																		
22	CLR	NC						3.00	BR	78	75	76	90	0	00	29.07	29.98																		
SUNRISE: 0540										JUL 27				SUNSET: 1947																					
01	CLR	NC						3.00	BR	76	73	74	91	0	00	29.05	29.96																		
04	CLR	NC						1.50	BR	73	72	72	96	0	00	29.04	29.96																		
07	CLR	NC						1.75	BR	74	72	73	94	0	00	29.08	30.00																		
10	CLR	NC						5.00	HZ	84	74	77	72	3	23	29.09	30.02																		
13	SCT	NC						7.00		92	73	78	54	5	VR	29.08	29.99																		
16	CLR	NC						8.00		93	72	78	50	5	VR	29.05	29.96																		
19	BKN	110						9.00		76	71	73	85	3	VR	29.09	30.02																		
22	CLR	NC						7.00		73	71	72	94	0	00	29.09	30.02																		
SUNRISE: 0541										JUL 28				SUNSET: 1946																					
01	CLR	NC						4.00	BR	70	70	70	100	0	00	29.09	30.02																		
04	VV	001						0.25	FG	69	69	69	100	0	00	29.07	29.99																		
07	VV	001						<.25	FG	69	68	68	96	0	00	29.10	30.04																		
10	CLR	NC						6.00	HZ	78	72	74	82	3	VR	29.11	30.04																		
13	CLR	NC						9.00		89	74	78	61	6	VR	29.08	29.99																		
16	CLR	NC						10.00		90	72	77	56	9	22	29.02	29.93																		
19	CLR	NC						8.00		87	75	78	67	3	22	29.01	29.93																		
22	CLR	NC						6.00	BR	79	76	77	90	0	00	29.02	29.93																		
SUNRISE: 0542										JUL 29				SUNSET: 1945																					
01	CLR	NC						5.00	BR	77	75	76	94	0	00	28.99	29.90																		
04	CLR	NC						5.00	BR	75	72	73	90	0	00	28.97	29.88																		
07	OVC	100						3.00	BR	75	73	74	94	0	00	29.00	29.91																		
10	FEW	NC						6.00	HZ	86	75	78	70	6	VR	28.98	29.89																		
13	FEW	NC						7.00		88	78	81	73	3	VR	28.95	29.86																		
16	CLR	NC						10.00		95	72	78	47	6	VR	28.90	29.81																		
19	CLR	NC						10.00		87	75	78	67	5	18	28.90	29.81																		
22	CLR	NC						10.00		79	73	75	82	0	00	28.94	29.85																		
SUNRISE: 0542										JUL 30				SUNSET: 1945																					
01	CLR	NC						10.00		77	73	74	88	0	00	28.94	29.85																		
04	CLR	NC						8.00		74	72	73	94	3	20	28.92	29.83																		
07	SCT	NC						6.00	BR	75	72	73	90	0	00	28.96	29.88																		
10	CLR	NC						9.00		86	75	78	70	3	25	28.98	29.89																		
13	FEW	NC						10.00		95	76	81	54	6	VR	28.94	29.85																		
16	FEW	NC						10.00		96	75	81	51	8	26	28.90	29.81																		
19	CLR	NC						10.00		92	77	81	62	6	VR	28.88	29.79																		
22	CLR	NC						10.00		84	78	80	82	0	00	28.92	29.83																		

SUMMARY BY HOUR

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			74	72	72	94	29.11	30.04	5.74	1	0	0
02			73	71	72	95	29.11	30.03	5.07	0	0	0
03			72	71	71	95	29.10	30.03	4.76	1	0	0
04			72	71	71	95	29.11	30.03	4.30	1	0	0
05			72	70	71	96	29.12	30.04	4.19	0	0	0
06			72	71	71	97	29.13	30.06	2.87	0	0	0
07			72	71	71	94	29.14	30.07	3.49	1	0	0
08			74	71	72	91	29.15	30.08	4.69	1	1	22
09			77	72	73	85	29.15	30.08	5.89	2	2	22
10			79	72	74	79	29.15	30.08	6.86	2	2	24
11			82	72	75	75	29.15	30.08	7.61	2	1	16
12			83	73	76	71	29.14	30.07	7.70	3	2	18
13			84	72	76	69	29.13	30.06	7.61	3	1	23
14			84	72	75	68	29.12	30.04	7.52	3	1	21
15			85	72	76	65	29.11	30.03	7.66	3	2	20
16			85	72	76	66	29.09	30.01	7.38	3	1	20
17			85	72	76	67	29.08	30.00	8.43	4	2	20
18			83	72	75	69	29.09	30.01	8.17	3	1	21
19			82	72	75	73	29.09	30.01	8.11	2	1	22
20			80	73	75	80	29.09	30.02	7.62	1	1	22
21			78	73	74	86	29.10	30.03	7.54	0	0	0
22			76	73	74	88	29.12	30.04	6.81	1	1	21
23			75	72	73	91	29.12	30.04	6.35	1	1	21
24			75	72	73	92	29.12	30.04	5.89	1	0	0

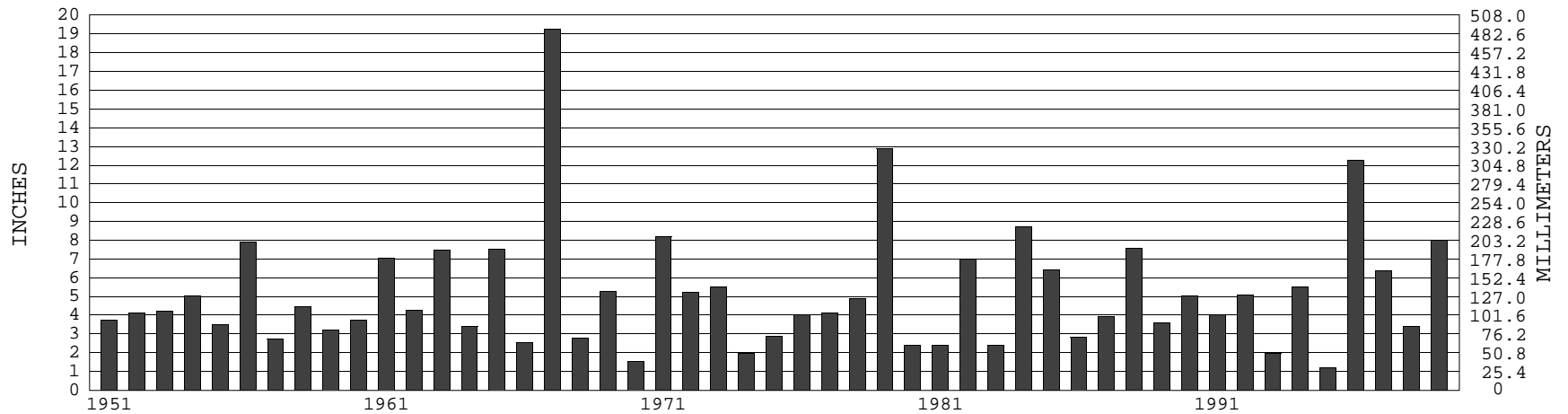
OAK RIDGE, TN JULY TEMPERATURES



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

Long-Term (1951-1999) Mean: 77.2 1961-1990 Normal: 75.8

OAK RIDGE, TN JULY PRECIPITATION



Long-Term (1951-1999) Mean Monthly Total: 5.19

1961-1990 Normal: 5.45



**JULY 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.

We welcome your questions or comments, please contact us at
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