



# SEPTEMBER 2001

## LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

# OAK RIDGE, TN

OAK RIDGE (OQT)  
 Lat: 36°01' N Long: 84°14' W Elev (Ground): 913 Feet  
 Time Zone: EASTERN WBAN: 53868 ISSN #: -

SEPTEMBER 2001  
OAK RIDGE, TN

DATE	TEMPERATURE °F						DEG DAYS BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								DATE											
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		0700 LST	1300 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM																
																			5-SEC		2-MIN														
1	2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19	20	21	22	23	24													
01	82	68	75	2	68	70	0	10	RA BR			0.08	29.04	29.97	1.5	22	3.3	13	18	10	19	01													
02	80	69	75	2	69	70	0	10	RA BR			0.35	29.06	29.99	1.4	09	3.1	14	21	9	19	02													
03	75	67	71	-2	68	69	0	6	RA FG+ BR			1.70	29.04	29.98	0.6	08	1.4	12	19	7	18	03													
04	84	66	75	3	68	70	0	10	FG+ BR			0.00	29.07	30.01	1.7	06	2.3	9	08	8	06	04													
05	88	67	78	6	69	71	0	13	FG+ BR			0.00	29.14	30.07	1.7	07	2.6	14	04	10	09	05													
06	89*	67	78*	6	69	71	0	13	FG+ BR HZ			0.00	29.16	30.09	0.8	16	1.6	10	14	9	15	06													
07	86	68	77	5	67	70	0	12	BR HZ			0.00	29.10	30.02	1.7	18	2.6	14	16	12	17	07													
08	86	66	76	4	66	70	0	11	BR HZ			0.00	29.09	30.02	1.1	19	2.1	13	20	10	17	08													
09	87	67	77	6	66	70	0	12	FG+ BR			0.00	29.10	30.03	1.9	19	2.5	14	16	10	16	09													
10	79	66	73	2	66	68	0	8	RA			0.01	29.20	30.13	2.5	06	3.2	10	07	9	08	10													
11	82	60	71	0	57	62	0	6				0.00	29.24	30.19	3.0	06	4.5	17	07	14	07	11													
12	86	60	73	2	62	66	0	8				0.00	29.18	30.13	1.0	06	2.2	10	14	8	13	12													
13	84	65	75	5	65	68	0	10	BR HZ			0.00	29.15	30.09	0.6	19	1.6	12	17	9	18	13													
14	77	59	68	-2	59	62	0	3	FG+ BR HZ			0.00	29.13	30.07	5.2	04	6.0	22	06	16	06	14													
15	76	54	65	-5	52	57	0	0				0.00	29.13	30.08	2.6	05	5.1	16	07	13	06	15													
16	77	50	64	-5	53	57	1	0				0.00	29.14	30.10	0.9	08	1.7	10	08	7	06	16													
17	79	51	65	-4	55	58	0	0	FG+ BR			0.00	29.16	30.12	0.5	20	1.7	14	21	9	16	17													
18	81	53	67	-2	56	60	0	2	FG+ BR			0.00	29.10	30.05	0.7	15	1.4	10	14	9	15	18													
19	68	60	64	-4	63	64	1	0	RA FG+ BR			1.09	29.02	29.97	0.6	18	1.3	10	29	8	18	19													
20	78	58	68	0	62	64	0	3	RA FG+ BR			0.31	29.06	30.00	0.7	25	1.9	10	29	8	19	20													
21	81	54	68	1	59	62	0	3	FG+ BR			0.00	29.10	30.05	0.1	15	1.3	10	18	8	18	21													
22	81	60	71	4	63	65	0	6	BR			0.00	29.11	30.06	0.3	15	.9	8	08	7	10	22													
23	82	59	71	4	63	65	0	6	FG+ BR			0.00	29.07	30.01	0.8	19	1.3	14	18	9	21	23													
24	69	51	60	-7	57	59	5	0	RA BR			1.25	29.01	29.95	1.8	36	3.4	18	36	13	36	24													
25	62	44	53	-13	42	47	12	0				0.00	29.14	30.11	0.8	35	2.4	16	33	12	31	25													
26	66	37*	52*	-13	42	47	13	0	FG+ BR			0.00	29.18	30.16	0.5	19	1.0	12	27	9	18	26													
27	74	41	58	-7	46	51	7	0	FG+ BR			0.00	29.12	30.09	0.3	20	.7	10	21	7	30	27													
28	70	45	58	-7	46	51	7	0				0.00	29.13	30.09	2.9	04	3.7	17	06	14	06	28													
29	70	45	58	-6	46	51	7	0				0.00	29.21	30.19	5.4	05	5.9	24*	06	17*	08	29													
30	71	45	58	-6	46	51	7	0	BR			0.00	29.21	30.18	1.9	05	3.0	18	06	14	06	30													
										78.3		57.4	67.9	■ ■	59.0	62.2	2.0	5.1	< MONTHLY AVERAGES		TOTALS-->		4.79	29.12	30.07	0.8	07	2.5	<- MONTHLY AVERAGES						
										-1.8		- .6	-1.2	■ ■	<-----DEPARTURE FROM NORMAL----->										0.93	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.91 DATE :02-03				SEA LEVEL PRESSURE				DATE TIME																		
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL:				MAXIMUM				: 30.25 30 0753																		
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH:				MINIMUM				: 29.89 24 0053																		
HEATING: 60 28									NUMBER OF DAYS WITH →				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32: 0				PRECIPITATION ≥ 0.01 INCH: 7														
COOLING: 152 -3													MAXIMUM TEMP ≤ 32: 0				MINIMUM TEMP ≤ 0: 0				PRECIPITATION ≥ 0.10 INCH: 5														
													THUNDERSTORMS: 0				HEAVY FOG: 14				SNOWFALL ≥ 1.0 INCH: :														

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

# OAK RIDGE, TN

SEPTEMBER 2001 OQT WBAN # 53868

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note)	2400 LST	
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			Water	Equiv.
01	T		0.01	0.01	0.01	0.04	0.01	T					01												01		0.08		
02						T							02			0.03	0.20	0.11							02		0.35		
03	T	0.06	0.44	0.19	0.08	0.05	0.26	0.11	0.14	0.12	0.10	0.01	03			0.03	0.11								03		1.70		
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								0.01	T				10													10		0.01	
11													11													11		0.00	
12													12													12		0.00	
13													13													13		0.00	
14													14													14		0.00	
15													15													15		0.00	
16													16													16		0.00	
17													17													17		0.00	
18													18													18		0.00	
19													19	0.26	0.01	0.10	0.06	0.01		0.02				0.01	T	19		1.09	
20	0.02	0.20	0.09	T				T	T	0.52	0.10		20												20		0.31		
21													21													21		0.00	
22													22													22		0.00	
23													23													23		0.00	
24		T	0.72	0.12	0.19	0.12	0.03	0.03	0.02			T	24	0.02	T										24		1.25		
25													25													25		0.00	
26													26													26		0.00	
27													27													27		0.00	
28													28													28		0.00	
29													29													29		0.00	
30													30													30		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)	.24	.35	.47	.54	.68	.72	.72	.75	.79	.85	.94	1.03
Ending Date	24	24	24	24	24	24	24	24	24	24	24	24
Ending Time (Hour/Min)	0214	0219	0224	0228	0233	0237	0237	0318	0340	0400	0431	0459

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 SEPTEMBER 2001

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR–SS), or midnight to midnight (MN–MN).

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. Clear = 0–2 oktas, Partly Cloudy = 3–6 oktas, Cloudy = 7–8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity. Wet Bulb is the temperature the air would have if cooled to saturation at constant pressure by evaporation of water into it.

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

### ADDITIONAL NOTES:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR–SS		MN–MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							2.00	10.00	
02							.75	10.00	
03							.25	10.00	
04							.25	10.00	
05							.25	10.00	
06							.25	10.00	
07							3.00	9.00	
08							4.00	10.00	
09							<.25	10.00	
10							7.00	10.00	
11							10.00	10.00	
12							8.00	10.00	
13							2.50	10.00	
14							.25	10.00	
15							10.00	10.00	
16							9.00	10.00	
17							.25	10.00	
18							.25	10.00	
19							.25	10.00	
20							.25	10.00	
21							<.25	10.00	
22							1.25	10.00	
23							.25	10.00	
24							.75	10.00	
25							10.00	10.00	
26							.25	10.00	
27							<.25	10.00	
28							10.00	10.00	
29							9.00	10.00	
30							6.00	10.00	
<b>MONTHLY AVGS</b>							3.48	9.97	
<b>SUNSHINE (MINUTES)</b>									
Total:      Possible: Percent Possible:									
<b>NUMBER OF DAYS WITH:</b>									
<b>SKY CONDITION</b>									
CLR   PTLY CLDY   CLOUDY   MISSING 30									
<b>MINIMUM VISIBILITY (MILES)</b>									
<=0.25    <=3.0    >=7.0 11            20            8									

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

SEPTEMBER 2001

OQT

WBAN # 53868

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)									
	SKY COVER	CEILING 100'S OF FT		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: 0609 SEP 01 SUNSET: 1906</b>																													
01	OVC	018		10.00	68	67	67	96	5	22	29.02	29.96	01	CLR	NC		7.00		7.00	74	69	71	85	0	00	29.12	30.04		
04	OVC	007		5.00	68	67	67	96	6	22	29.01	29.94	04	CLR	NC		5.00	BR	5.00	69	67	68	93	0	00	29.11	30.04		
07	OVC	006		10.00	69	68	68	96	0	00	29.04	29.97	07	FEW	NC		3.00	BR	3.00	68	66	67	93	0	00	29.14	30.08		
10	OVC	008		10.00	71	69	70	94	3	22	29.07	30.01	10	FEW	NC		8.00		8.00	79	66	70	65	5	VR	29.14	30.08		
13	OVC	027		10.00	77	68	71	74	5	VR	29.06	29.99	13	BKN	039		8.00		8.00	85	67	73	55	3	VR	29.11	30.03		
16	BKN	049		10.00	78	68	71	71	7	VR	29.03	29.96	16	FEW	NC		9.00		9.00	86	66	73	51	6	VR	29.04	29.96		
19	BKN	100		10.00	75	70	72	84	0	00	29.02	29.95	19	SCT	NC		8.00		8.00	81	68	72	65	0	00	29.03	29.96		
22	BKN	014		10.00	72	70	71	94	0	00	29.07	30.00	22	FEW	NC		6.00	BR	6.00	74	70	71	88	0	00	29.08	30.01		
<b>SUNRISE: 0609 SEP 02 SUNSET: 1904</b>																													
01	OVC	018		10.00	71	69	70	94	0	00	29.07	30.00	01	CLR	NC		6.00	HZ	6.00	71	66	68	84	0	00	29.05	29.97		
04	OVC	004		8.00	70	69	69	97	3	09	29.05	29.98	04	CLR	NC		4.00	BR	4.00	67	65	66	93	0	00	29.06	29.98		
07	OVC	004		4.00	69	69	69	100	5	06	29.07	30.00	07	CLR	NC		4.00	BR	4.00	67	64	65	91	0	00	29.11	30.05		
10	OVC	018		10.00	73	68	70	84	3	VR	29.09	30.03	10	CLR	NC		10.00		10.00	78	63	68	60	5	23	29.13	30.06		
13	OVC	023		10.00	77	69	72	77	5	06	29.07	30.00	13	BKN	090		10.00		10.00	82	65	71	56	7	20	29.12	30.05		
16	BKN	055		10.00	74	71	72	91	0	00	29.04	29.97	16	CLR	NC		10.00		10.00	85	66	72	53	5	VR	29.05	29.98		
19	SCT	NC		10.00	73	69	70	87	0	00	29.03	29.96	19	CLR	NC		10.00		10.00	81	68	72	65	0	00	29.06	29.99		
22	OVC	024		9.00	72	68	69	87	0	00	29.06	29.99	22	OVC	050		10.00		10.00	75	71	72	88	0	00	29.08	30.01		
<b>SUNRISE: 0610 SEP 03 SUNSET: 1903</b>																													
01	OVC	015		10.00	70	69	69	97	0	00	29.05	29.98	01	CLR	NC		7.00		7.00	72	69	70	91	0	00	29.09	30.02		
04	OVC	019		7.00	69	68	68	96	6	19	29.04	29.97	04	VV	001		0.25	FG	0.25	69	68	68	96	3	06	29.10	30.03		
07	OVC	010		1.00	68	67	67	96	3	16	29.06	30.00	07	VV	001		<.25	FG	<.25	67	67	67	100	0	00	29.13	30.07		
10	OVC	026		5.00	69	67	68	93	0	00	29.08	30.02	10	CLR	NC		10.00		10.00	79	65	70	62	7	19	29.14	30.07		
13	OVC	015		10.00	74	69	71	85	5	08	29.06	29.99	13	FEW	NC		10.00		10.00	85	64	71	50	3	VR	29.09	30.02		
16	OVC	039		10.00	71	69	70	94	0	00	29.02	29.96	16	FEW	NC		10.00		10.00	86	64	71	48	7	16	29.05	29.98		
19	OVC	006		10.00	71	69	70	94	3	05	29.01	29.95	19	CLR	NC		10.00		10.00	81	64	70	57	5	21	29.05	29.98		
22	BKN	003		7.00	69	68	68	96	0	00	29.04	29.97	22	CLR	NC		10.00		10.00	76	65	69	69	0	00	29.10	30.03		
<b>SUNRISE: 0611 SEP 04 SUNSET: 1860</b>																													
01	VV	001		0.25	67	67	67	100	0	00	29.04	29.98	01	BKN	085		10.00		10.00	72	67	69	84	0	00	29.12	30.05		
04	VV	001		0.50	66	66	66	100	0	00	29.03	29.97	04	BKN	070		10.00		10.00	72	67	69	84	0	00	29.12	30.05		
07	OVC	046		7.00	67	67	67	100	0	00	29.08	30.02	07	OVC	032		8.00	-RA	8.00	71	68	69	90	0	00	29.17	30.11		
10	OVC	008		10.00	72	69	70	91	5	05	29.11	30.06	10	OVC	030		10.00		10.00	73	66	69	79	6	06	29.21	30.15		
13	BKN	032		10.00	82	68	73	63	3	VR	29.08	30.01	13	BKN	030		10.00		10.00	76	66	69	72	7	08	29.22	30.16		
16	CLR	NC		10.00	84	67	73	57	6	07	29.05	29.98	16	OVC	032		10.00		10.00	77	66	70	69	5	01	29.20	30.14		
19	CLR	NC		10.00	79	69	72	72	0	00	29.05	29.98	19	OVC	042		10.00		10.00	74	65	68	74	0	00	29.22	30.16		
22	CLR	NC		10.00	72	70	71	94	0	00	29.09	30.03	22	CLR	NC		10.00		10.00	69	61	64	76	6	06	29.26	30.21		
<b>SUNRISE: 0612 SEP 05 SUNSET: 1858</b>																													
01	FEW	NC		7.00	69	68	68	96	0	00	29.11	30.04	01	CLR	NC		10.00		10.00	65	59	61	81	3	VR	29.25	30.19		
04	VV	001		0.25	68	68	68	100	0	00	29.10	30.04	04	CLR	NC		10.00		10.00	62	58	60	86	0	00	29.25	30.19		
07	VV	001		0.25	68	68	68	100	3	VR	29.15	30.09	07	CLR	NC		10.00		10.00	61	57	59	87	5	VR	29.28	30.23		
10	SCT	NC		10.00	77	71	73	82	5	VR	29.18	30.12	10	CLR	NC		10.00		10.00	72	57	63	60	12	06	29.30	30.24		
13	FEW	NC		10.00	85	70	75	61	5	VR	29.16	30.09	13	CLR	NC		10.00		10.00	79	53	64	41	9	05	29.26	30.20		
16	CLR	NC		10.00	87	67	73	51	7	09	29.11	30.04	16	CLR	NC		10.00		10.00	82	52	64	35	5	VR	29.20	30.14		
19	CLR	NC		9.00	80	70	73	71	0	00	29.10	30.04	19	CLR	NC		10.00		10.00	72	61	65	69	0	00	29.19	30.14		
22	CLR	NC		6.00	72	70	71	94	3	10	29.16	30.10	22	CLR	NC		10.00		10.00	64	59	61	84	5	06	29.21	30.16		
<b>SUNRISE: 0613 SEP 06 SUNSET: 1857</b>																													
01	CLR	NC		4.00	70	68	69	93	0	00	29.18	30.11	01	OVC	050		10.00		10.00	62	59	60	90	5	05	29.20	30.15		
04	BKN	065		2.50	69	68	68	96	0	00	29.18	30.11	04	OVC	060		10.00		10.00	63	59	61	87	0	00	29.20	30.14		
07	VV	001		0.25	67	67	67	100	0	00	29.22	30.16	07	CLR	NC		10.00		10.00	61	58	59	90	3	05	29.22	30.17		
10	FEW	NC		6.00	78	68	71	71	5	07	29.22	30.16	10	CLR	NC		10.00		10.00	73	59	64	62	5	02	29.23	30.18		
13	SCT	NC		10.00	86	69	74	57	0	00	29.18	30.11	13	CLR	NC		10.00		10.00	83	63	70	51	3	VR	29.18	30.12		
16	CLR	NC		10.00	88	68	74	52	6	VR	29.11	30.03	16	CLR	NC		10.00		10.00	86	64	71	48	6	11	29.12	30.06		
19	CLR	NC		9.00	81	73	75	77	0	00	29.08	30.02	19	CLR	NC		10.00		10.00	77	67	70	71	0	00	29.13	30.08		
22	FEW	NC		7.00	75	71	72	88	0	00	29.13	30.06	22	OVC	050		9.00		9.00	71	67	68	87	0	00	29.17	30.11		

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

SEPTEMBER 2001

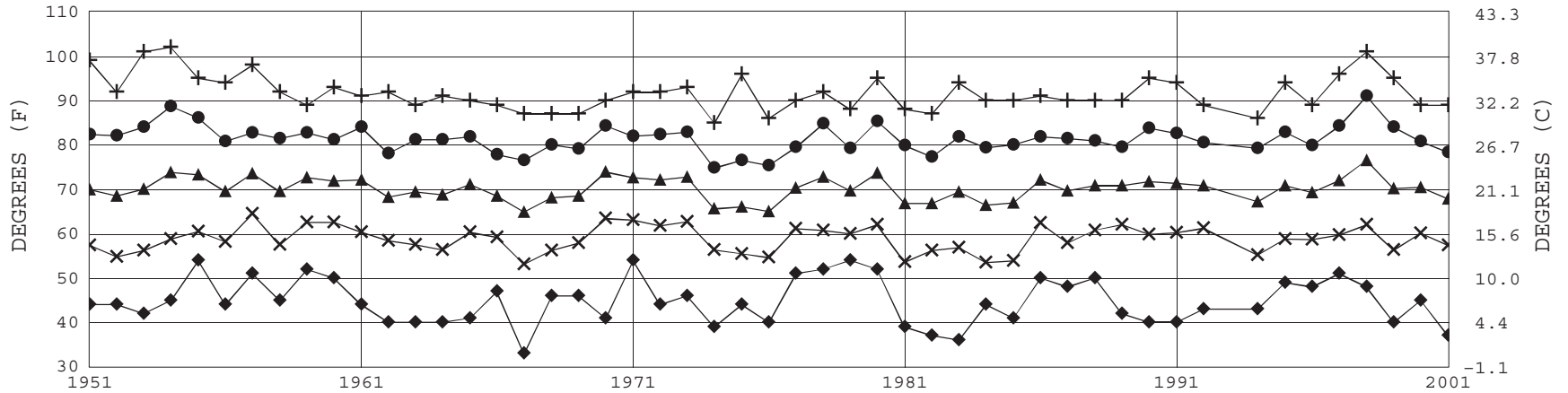
OQT

WBAN # 53868

HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)					
	SKY COVER	CEILING 100'S OF FT			OBSERVATION TIME (LST)	EFF CLD AMT Otktas	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 Otktas	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
<b>SUNRISE: 0618 SEP 13 SUNSET: 1847</b>																													
01	FEW	NC	8.00		70	66	67	87	0	00	29.17	30.10	01	CLR	NC	5.00	BR	61	59	60	93	0	00	29.05	29.99				
04	CLR	NC	6.00	BR	68	65	66	90	0	00	29.16	30.09	04	BKN	044	5.00	BR	62	59	60	90	0	00	29.03	29.96				
07	CLR	NC	3.00	BR	67	65	66	93	0	00	29.20	30.14	07	OVC	026	3.00	BR	62	60	61	93	0	00	29.03	29.97				
10	OVC	055	9.00		76	64	68	67	3	24	29.20	30.14	10	OVC	007	2.50	BR	63	61	62	93	0	00	29.05	30.00				
13	FEW	NC	10.00		82	65	71	56	6	VR	29.16	30.10	13	OVC	008	0.75	-RA BR	65	65	65	100	0	00	29.02	29.97				
16	FEW	NC	9.00		81	65	70	58	5	13	29.09	30.03	16	OVC	011	6.00	-RA BR	67	65	66	93	7	VR	29.02	29.96				
19	CLR	NC	8.00		77	66	70	69	0	00	29.10	30.05	19	OVC	008	10.00		66	65	65	96	0	00	29.01	29.96				
22	CLR	NC	5.00	BR	70	67	68	90	0	00	29.11	30.05	22	OVC	023	6.00	BR	66	66	66	100	3	13	29.01	29.96				
<b>SUNRISE: 0619 SEP 14 SUNSET: 1845</b>																													
01	CLR	NC	4.00	BR	66	64	65	93	0	00	29.09	30.03	01	OVC	027	4.00	RA BR	67	65	66	93	0	00	29.00	29.95				
04	CLR	NC	3.00	BR	63	62	62	97	0	00	29.08	30.03	04	OVC	080	4.00	BR	67	66	66	97	3	VR	29.00	29.94				
07	FEW	NC	3.00	BR	62	61	61	96	0	00	29.12	30.06	07	OVC	060	9.00		66	64	65	93	0	00	29.05	29.99				
10	CLR	NC	8.00		71	61	65	71	9	05	29.15	30.10	10	OVC	014	10.00		70	63	66	79	0	00	29.09	30.04				
13	CLR	NC	10.00		73	60	65	64	12	05	29.14	30.09	13	BKN	039	10.00		76	60	66	58	0	00	29.08	30.01				
16	SCT	NC	10.00		74	58	64	57	10	01	29.09	30.04	16	CLR	NC	10.00		78	56	65	47	5	VR	29.06	29.99				
19	CLR	NC	10.00		63	54	58	73	6	VR	29.13	30.09	19	OVC	060	10.00		70	63	66	79	0	00	29.08	30.03				
22	BKN	037	10.00		62	52	56	70	7	06	29.15	30.10	22	CLR	NC	4.00	BR	61	60	60	97	0	00	29.09	30.04				
<b>SUNRISE: 0619 SEP 15 SUNSET: 1844</b>																													
01	CLR	NC	10.00		59	49	54	69	8	06	29.14	30.09	01	VV	001	0.25	FG	57	57	57	100	0	00	29.09	30.04				
04	BKN	050	10.00		59	50	54	72	6	VR	29.10	30.06	04	VV	001	0.25	FG	56	56	56	100	0	00	29.13	30.08				
07	FEW	NC	10.00		57	50	53	78	6	06	29.15	30.12	07	VV	001	<.25	FG	54	54	54	100	0	00	29.13	30.09				
10	CLR	NC	10.00		65	52	58	63	8	05	29.16	30.12	10	FEW	NC	9.00		65	60	62	84	3	08	29.13	30.09				
13	FEW	NC	10.00		73	55	62	53	9	06	29.13	30.08	13	FEW	NC	10.00		78	59	66	52	7	VR	29.10	30.05				
16	CLR	NC	10.00		74	54	62	50	6	VR	29.08	30.03	16	CLR	NC	10.00		80	60	67	51	6	VR	29.06	30.00				
19	CLR	NC	10.00		66	55	60	68	0	00	29.09	30.05	19	CLR	NC	9.00		72	65	67	79	0	00	29.07	30.02				
22	CLR	NC	10.00		57	53	55	87	0	00	29.13	30.09	22	CLR	NC	5.00	BR	64	62	63	93	0	00	29.08	30.04				
<b>SUNRISE: 0620 SEP 16 SUNSET: 1842</b>																													
01	CLR	NC	10.00		54	52	53	93	3	07	29.11	30.07	01	CLR	NC	5.00	BR	62	61	61	96	0	00	29.09	30.03				
04	CLR	NC	10.00		53	52	52	96	0	00	29.11	30.06	04	BKN	065	3.00	BR	61	60	60	97	0	00	29.09	30.04				
07	CLR	NC	9.00		51	50	51	96	0	00	29.16	30.13	07	FEW	NC	2.50	BR	61	60	60	97	0	00	29.13	30.08				
10	CLR	NC	10.00		63	53	57	70	5	VR	29.19	30.15	10	SCT	NC	7.00		70	63	66	79	0	00	29.15	30.10				
13	CLR	NC	10.00		72	54	61	53	0	00	29.15	30.11	13	CLR	NC	10.00		78	62	68	58	5	17	29.12	30.06				
16	CLR	NC	10.00		75	53	62	46	5	VR	29.10	30.06	16	FEW	NC	10.00		80	62	69	54	5	12	29.08	30.02				
19	CLR	NC	10.00		68	59	63	73	0	00	29.11	30.07	19	SCT	NC	9.00		72	67	69	84	0	00	29.08	30.02				
22	CLR	NC	10.00		59	57	58	93	0	00	29.14	30.11	22	CLR	NC	5.00	BR	66	64	65	93	0	00	29.11	30.06				
<b>SUNRISE: 0621 SEP 17 SUNSET: 1841</b>																													
01	CLR	NC	10.00		55	54	54	96	0	00	29.14	30.10	01	CLR	NC	3.00	BR	63	61	62	93	0	00	29.11	30.06				
04	CLR	NC	10.00		52	51	52	97	0	00	29.15	30.11	04	VV	001	0.25	FG	61	61	61	100	0	00	29.09	30.04				
07	OVC	001	0.50	FG	52	52	52	100	0	00	29.20	30.17	07	VV	001	0.25	FG	59	59	59	100	0	00	29.13	30.08				
10	CLR	NC	10.00		65	56	60	73	0	00	29.22	30.18	10	OVC	003	4.00	BR	65	63	64	93	0	00	29.14	30.10				
13	CLR	NC	10.00		76	55	63	48	7	VR	29.18	30.14	13	CLR	NC	10.00		80	62	69	54	8	19	29.09	30.03				
16	CLR	NC	10.00		78	52	63	40	3	VR	29.11	30.07	16	CLR	NC	10.00		81	63	69	54	6	VR	29.04	29.97				
19	CLR	NC	10.00		69	59	63	70	0	00	29.11	30.08	19	CLR	NC	10.00		73	67	69	81	0	00	28.99	29.94				
22	CLR	NC	10.00		61	57	59	87	0	00	29.13	30.09	22	CLR	NC	8.00		68	65	66	90	0	00	29.01	29.95				
<b>SUNRISE: 0622 SEP 18 SUNSET: 1839</b>																													
01	CLR	NC	7.00		57	56	56	96	0	00	29.14	30.10	01	OVC	055	7.00		68	65	66	90	0	00	28.96	29.89				
04	BKN	001	0.50	FG	54	54	54	100	0	00	29.12	30.08	04	OVC	026	4.00	RA BR	62	61	61	96	0	00	28.97	29.90				
07	VV	001	0.25	FG	53	53	53	100	3	07	29.14	30.10	07	OVC	006	6.00	-RA BR	63	62	62	97	5	17	29.01	29.95				
10	FEW	NC	10.00		67	57	61	71	3	VR	29.15	30.11	10	OVC	025	10.00		64	62	63	93	0	00	28.99	29.93				
13	BKN	041	10.00		78	57	65	48	5	14	29.09	30.04	13	OVC	013	3.00	-RA BR	64	63	63	96	6	VR	28.97	29.91				
16	FEW	NC	10.00		80	54	64	41	6	18	29.06	30.00	16	OVC	029	10.00		63	55	58	76	9	35	28.98	29.93				
19	CLR	NC	9.00		71	62	65	73	0	00	29.04	29.99	19	BKN	035	10.00		59	50	54	72	5	34	29.04	29.99				
22	CLR	NC	7.00		64	59	61	84	0	00	29.07	30.02	22	SCT	NC	10.00		55	49	52	80	0	00	29.08	30.04				



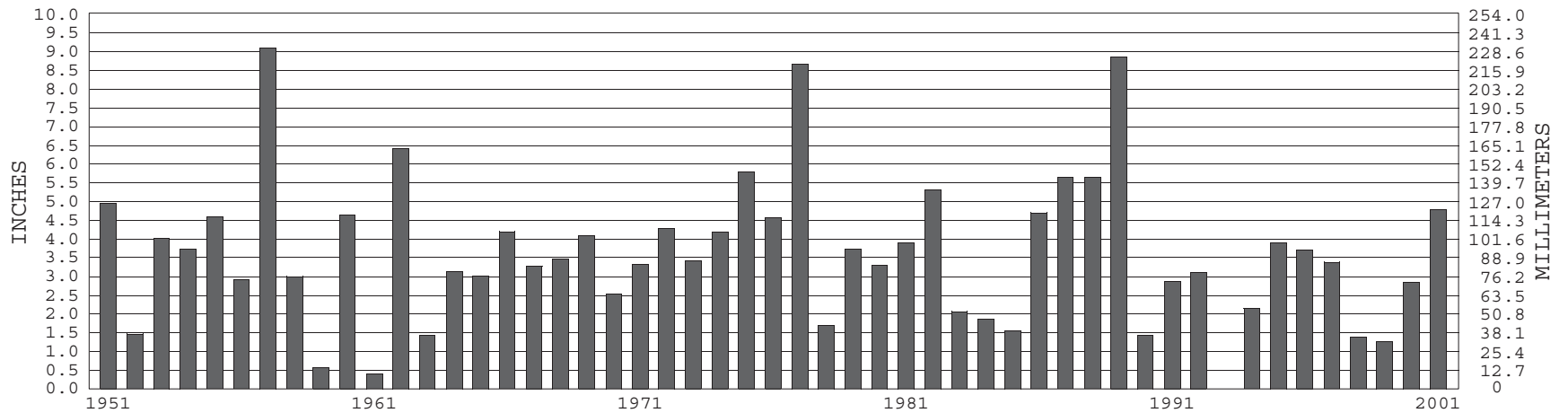
### OAK RIDGE, TN SEPTEMBER TEMPERATURES



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

Long-Term (1951-2001) Mean: 68.7      1961-1990 Normal: 69.1

### OAK RIDGE, TN SEPTEMBER PRECIPITATION



Long-Term (1951-2001) Mean Monthly Total: 3.61

1961-1990 Normal: 3.86



SEPTEMBER 2001  
OAK RIDGE, TN

## LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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

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