



SEPTEMBER 2008 LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

OAK RIDGE, TN
OAK RIDGE (KOQT)
Lat:36° 1' N Long: 84° 14' W Elev (Ground) 910 Feet
Time Zone : EASTERN WBAN: 53868 ISSN#: 0198-487X



Date 1	Temperature °F						Deg Days BASE 65°		WEATHER 10	SNOW/ICE ON GND(IN)		PRECIPITATION ON GND(IN)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								Date 24
	MAXIMUM 2	MINIMUM 3	AVERAGE 4	DEP FROM NORMAL 5	AVERAGE DEW PT 6	AVERAGE WET BULB 7	HEATING 8	COOLING 9		0700 LST 11	1300 LST 12	2400 LST 13	2400 LST 14	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			3-SEC		2-MIN			
01	90	71	81*	7	69	72	0	16	BR HZ			0.00	29.13	30.05	0.9	07	1.1	12	19	8	17	01		
02	90	70	80	6	67	71	0	15	BR HZ			0.00	29.11	30.04	0.6	07	0.9	10	07	8	07	02		
03	89	67	78	4	65	69	0	13	FG+ BR HZ			0.00	29.04	29.96	0.5	24	1.0	14	26	8	25	03		
04	88	65	77	4	60	66	0	12	BR HZ			0.00	28.97	29.89	2.2	21	3.1	17	22	12	19	04		
05	90	66	78	5	62	67	0	13				0.00	28.94	29.86	0.6	19	1.5	14	12	10	12	05		
06	83	66	75	2	65	68	0	10				0.00	28.95	29.90	0.4	26	1.8	13	27	9	35	06		
07	88	61	75	2	62	66	0	10	FG+ BR			0.00	29.11	30.07	0.3	16	0.6	12	18	8	23	07		
08	91*	62	77	5	63	68	0	12	RA			0.02	29.15	30.08	0.4	25	2.3	37*	22	22*	20	08		
09	81	68	75	3	67	68	0	10	RA FG+ FG BR			1.07	29.10	30.04	1.3	21	1.6	14	21	9	20	09		
10	84	67	76	4	67	69	0	11	RA BR			T	29.14	30.09	0.2	31	1.5	12	05	8	07	10		
11	86	69	78	6	68	71	0	13	RA BR			T	29.19	30.13	0.4	16	1.1	10	20	8	20	11		
12	87	71	79	8	68	71	0	14				0.00	29.15	30.07	1.6	23	2.4	16	20	10	21	12		
13	88	69	79	8	69	72	0	14				0.00	29.06	29.98	0.6	19	1.8	14	19	10	18	13		
14	86	70	78	7	68	71	0	13	RA BR			0.12	28.94	29.86	5.1	22	7.0	36	19	21	20	14		
15	77	61	69	-1	58	62	0	4	RA BR			0.03	29.06	30.02	0.8	06	1.6	13	07	10	07	15		
16	78	60	69	-1	55	60	0	4				0.00	29.14	30.10	1.1	05	2.6	16	06	12	06	16		
17	82	59	71	1	57	62	0	6				0.00	29.17	30.12	2.0	06	2.6	15	36	10	07	17		
18	84	59	72	2	54	61	0	7				0.00	29.21	30.17	1.3	05	2.1	15	07	9	01	18		
19	83	57	70	1	56	61	0	5	BR			0.00	29.26	30.20	0.4	03	1.0	10	18	7	19	19		
20	82	58	70	1	56	61	0	5	BR			0.00	29.24	30.19	1.1	08	1.3	13	07	9	08	20		
21	84	61	73	5	57	62	0	8	RA BR HZ			T	29.24	30.20	0.8	07	1.2	13	09	8	07	21		
22	86	56	71	3	54	60	0	6	BR			0.00	29.29	30.25	0.9	05	1.7	15	06	12	06	22		
23	85	54	70	2	50	58	0	5	BR			0.00	29.33	30.28	1.4	06	2.5	17	09	13	09	23		
24	82	55	69	2	47	56	0	4	BR HZ			0.00	29.30	30.25	1.1	05	2.6	16	36	12	07	24		
25	83	52*	68	1	43	54	0	3				0.00	29.20	30.13	1.5	03	2.9	20	01	13	07	25		
26	74	58	66*	-1	52	58	0	1	RA			0.01	28.99	29.93	1.2	04	2.8	22	02	12	06	26		
27	76	64	70	4	61	64	0	5	RA			0.02	28.95	29.91	0.2	14	0.3	14	09	9	09	27		
28	82	61	72	6	60	64	0	7	FG+ FG BR			0.00	29.06	30.01	0.5	07	1.1	13	36	8	35	28		
29	84	58	71	6	55	60	0	6	FG+ FG BR			0.00	29.08	30.02	0.8	05	1.4	13	35	8	34	29		
30	80	53	67	2	54	58	0	2				0.00	28.97	29.91	0.7	28	1.3	16	27	12	28	30		

84.1	62.3	73.2	☼	59.6	64.3	0.0	8.5	< MONTHLY AVERAGES TOTALS >				1.27	29.11	30.06	0.2	10	1.9	< MONTHLY AVERAGES			
3.0	3.5	3.2		-----DEPARTURE FROM NORMAL -----								-2.48	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3								
DEGREE DAYS								GREATEST 24-HR PRECIPITATION : 1.08 DATE : 08-09				SEA LEVEL PRESSURE				DATE TIME					
MONTHLY TOTAL DEPARTURE				SEASON TO DATE TOTAL DEPARTURE				GREATEST 24-HR SNOWFALL : DATE :				MAXIMUM : 30.35 23 1028									
								GREATEST SNOW DEPTH : DATE :				MINIMUM : 29.80 14 1453									
HEATING :		0 -30		0 -30		NUMBER OF DAYS WITH ->		MAXIMUM TEMP >= 90 : 4		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH : 6									
COOLING :		254 -74		1492 215				MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH : 2									
								THUNDERSTORMS : 0		HEAVY FOG : 5		SNOWFALL >= 1.0 INCH :									

SEPTEMBER 2008
OAK RIDGE, TN

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)
SEPTEMBER 2008

WBAN # 53868

Date	FOR HOUR (LST) ENDING AT												Date	FOR HOUR (LST) ENDING AT												Date	Sum of Hourly Data	2400 LST Water Equiv.
	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													01												01	0.00	0.00	
02													02												02	0.00	0.00	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
05													05												05	0.00	0.00	
06													06												06	0.00	0.00	
07													07												07	0.00	0.00	
08			0.03					0.04	0.39				08							0.02	T			08	0.02	0.02		
09													09		0.56	0.04	T	T						09	1.07	1.07		
10													10			T	T							10	T	T		
11													11						T	T				11	T	T		
12													12											12	0.00	0.00		
13													13											13	0.00	0.00		
14													14			T	T	T	0.01	0.10	0.01	T		14	0.12	0.12		
15		0.03	T										15			T								15	0.03	0.03		
16													16											16	0.00	0.00		
17													17											17	0.00	0.00		
18													18											18	0.00	0.00		
19													19											19	0.00	0.00		
20													20											20	0.00	0.00		
21					T	T							21											21	T	T		
22													22											22	0.00	0.00		
23													23											23	0.00	0.00		
24													24											24	0.00	0.00		
25													25											25	0.00	0.00		
26													26	0.01	T									26	0.01	0.01		
27													27											27	0.02	0.02		
28													28											28	0.00	0.00		
29													29											29	0.00	0.00		
30													30											30	0.00	0.00		

* Indicates sum of Hourly and Daily disagree.

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	0.25	0.38	0.50	0.53	0.56	0.58	0.59	0.60	0.60	0.60	0.60	0.60
Ending Date	09	09	09	09	09	09	09	09	09	09	09	09
Ending Time (Hr/Min)	0720	1454	1455	1458	1458	1516	1522	1542	1542	1542	1542	1542

Note : The hourly and daily precipitation totals are printed in the last 2 columns and hi-lighted in red when they disagree. 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.

Date and time are not entered for TRACE amounts.

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 1971-2000

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
DESCRIPTOR	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	
PR Partial	RA Rain	PY Spray	SQ Squalls
SH Shower(s)	SG Snow Grains	SA Sand	SS Sandstorm
TS Thunderstorm	SN Snow	VA Volcanic Ash	GL Glaze
VC In the Vicinity	UP Unkown Precipitation		

Intensity (as indicated on pages 4 to 6):
'+' = Heavy '' = Moderate '-' = Light

OAK RIDGE, TN SEPTEMBER 2008

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:

Station Augmentation-OAK RIDGE ATDD COOP
 Lat/Lon:36.00278/-84.24861 Elevation:905FT
 Distance:1.5 MI Dir:SW
 Augmented Elements:Temp,Precip,Snow
 Equipment:Pcpn-Model TRP525M, Temp Vaisala HMP35C,
 Snow Board, Snow Stick

Date	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			Sky Cover	Satellite	Sky Cover	Satellite			
01							4.00	10.00	
02							2.50	9.00	
03							0.25	9.00	
04							5.00	10.00	
05							10.00	10.00	
06							9.00	10.00	
07							0.00	10.00	
08							6.00	10.00	
09							0.25	10.00	
10							2.50	10.00	
11							3.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							2.00	10.00	
15							5.00	10.00	
16							10.00	10.00	
17							7.00	10.00	
18							7.00	10.00	
19							6.00	10.00	
20							5.00	10.00	
21							4.00	10.00	
22							5.00	10.00	
23							6.00	10.00	
24							3.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							0.00	10.00	
29							0.25	10.00	
30							9.00	10.00	
MONTHLY AVGS							5.39	9.93	
SUNSHINE (Minutes)									
Total : 0					Possible :				
Percent Possible :									
NUMBER OF DAYS WITH : SKY CONDITION									
Clear		Partly CLDY		Cloudy		Missing			
MINIMUM VISIBILITY (MILES)									
<= .25			<= 3.0			>= 7.0			
5			10			11			

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

SEPTEMBER 2008 KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
			Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0608 SEP 01 SUNSET: 1906														
01	CLR	NC			5.00	BR	74	71	72	90	0	00	29.13	30.04
04	CLR	NC			5.00	BR	72	69	70	90	0	00	29.13	30.04
07	CLR	NC			4.00	BR	72	68	69	87	0	00	29.16	30.09
10	CLR	NC			10.00		83	69	73	63	6	07	29.18	30.10
13	FEW	047			10.00		87	67	73	52	0	00	29.14	30.06
16	CLR	NC			10.00		89	66	73	47	5	VR	29.10	30.02
19	OVC	090			10.00		79	71	74	77	0	00	29.10	30.03
22	CLR	NC			6.00	BR	75	71	72	87	0	00	29.13	30.05
SUNRISE: 0609 SEP 02 SUNSET: 1905														
01	CLR	NC			6.00	BR	73	70	71	90	0	00	29.13	30.05
04	BKN	046			7.00		72	69	70	90	0	00	29.13	30.05
07	BKN	001			2.50	BR	70	68	69	93	3	05	29.16	30.10
10	OVC	044			8.00		78	65	70	64	0	00	29.18	30.11
13	CLR	NC			8.00		86	65	72	50	0	00	29.13	30.05
16	CLR	NC			9.00		88	65	73	47	0	00	29.07	29.98
19	CLR	NC			9.00		83	67	72	59	0	00	29.05	29.98
22	CLR	NC			7.00		75	68	70	79	0	00	29.08	30.00
SUNRISE: 0610 SEP 03 SUNSET: 1903														
01	CLR	NC			5.00	BR	71	67	68	87	0	00	29.09	30.01
04	OVC	005			0.25	FG	69	67	68	93	0	00	29.07	29.99
07	VV	001			0.25	FG	67	65	66	93	0	00	29.09	30.02
10	CLR	NC			8.00		77	67	70	71	5	26	29.10	30.02
13	CLR	NC			9.00		84	64	71	51	3	VR	29.05	29.97
16	CLR	NC			9.00		88	62	71	42	0	00	28.99	29.91
19	CLR	NC			9.00		83	64	71	53	0	00	28.97	29.89
22	CLR	NC			7.00		73	66	68	79	0	00	28.99	29.92
SUNRISE: 0611 SEP 04 SUNSET: 1902														
01	CLR	NC			6.00	HZ	71	65	67	81	0	00	29.02	29.93
04	CLR	NC			5.00	BR	68	64	65	87	0	00	28.99	29.91
07	CLR	NC			7.00		67	61	63	81	0	00	29.03	29.96
10	CLR	NC			10.00		78	57	65	49	10	20	29.04	29.96
13	CLR	NC			10.00		85	58	68	40	5	VR	28.98	29.90
16	CLR	NC			10.00		88	56	68	34	3	VR	28.90	29.82
19	CLR	NC			10.00		82	56	66	41	5	21	28.90	29.83
22	CLR	NC			10.00		76	59	65	56	0	00	28.96	29.88
SUNRISE: 0611 SEP 05 SUNSET: 1859														
01	CLR	NC			10.00		69	61	64	76	0	00	28.95	29.87
04	BKN	065			10.00		67	61	63	81	0	00	28.96	29.88
07	OVC	070			10.00		69	62	65	79	0	00	28.99	29.91
10	CLR	NC			10.00		80	62	68	54	8	17	29.00	29.92
13	CLR	NC			10.00		86	60	69	42	5	28	28.96	29.88
16	CLR	NC			10.00		89	61	71	39	0	00	28.89	29.81
19	CLR	NC			10.00		85	63	71	48	3	26	28.88	29.80
22	CLR	NC			10.00		74	66	69	76	0	00	28.91	29.83
SUNRISE: 0612 SEP 06 SUNSET: 1858														
01	CLR	NC			10.00		69	65	66	87	0	00	28.89	29.80
04	CLR	NC			10.00		71	65	67	81	3	28	28.90	29.81
07	CLR	NC			9.00		69	65	66	87	0	00	28.92	29.84
10	OVC	042			10.00		76	67	70	74	3	22	28.96	29.89
13	OVC	065			10.00		79	67	71	67	5	VR	28.99	29.92
16	BKN	070			10.00		82	64	70	55	5	VR	29.00	29.92
19	SCT	060			10.00		76	62	67	62	3	35	29.04	29.96
22	CLR	NC			10.00		69	63	65	81	0	00	29.08	30.01
SUNRISE: 0613 SEP 07 SUNSET: 1856														
01	CLR	NC			8.00		65	61	63	87	0	00	29.09	30.02
04	SCT	002			1.25	BR	62	60	61	93	0	00	29.09	30.02
07	VV	001			0.00	FG	62	60	61	93	0	00	29.13	30.08
10	CLR	NC			10.00		74	62	66	66	0	00	29.17	30.11
13	CLR	NC			10.00		82	62	69	51	0	00	29.14	30.08
16	CLR	NC			10.00		86	62	70	45	0	00	29.10	30.03
19	CLR	NC			10.00		82	61	69	49	0	00	29.13	30.06
22	CLR	NC			10.00		71	63	66	76	0	00	29.16	30.10
SUNRISE: 0614 SEP 08 SUNSET: 1855														
01	CLR	NC			10.00		66	62	64	87	0	00	29.18	30.12
04	CLR	NC			10.00		64	60	62	87	0	00	29.18	30.11
07	CLR	NC			7.00		64	61	62	90	0	00	29.20	30.14
10	CLR	NC			10.00		79	63	69	58	3	07	29.19	30.13
13	CLR	NC			10.00		88	63	71	43	5	VR	29.14	30.08
16	CLR	NC			10.00		90	64	73	42	5	28	29.09	30.01
19	CLR	NC			10.00		86	66	73	51	0	00	29.08	30.01
22	BKN	120			10.00	-RA	69	65	66	87	0	00	29.14	30.09
SUNRISE: 0615 SEP 09 SUNSET: 1853														
01	OVC	120			10.00		69	65	66	87	0	00	29.13	30.05
04	BKN	090			6.00	BR	69	66	67	90	0	00	29.10	30.01
07	OVC	085			1.75	RA BR	69	66	67	90	5	21	29.12	30.04
10	BKN	035			8.00		73	68	70	84	3	28	29.13	30.06
13	OVC	016			8.00		78	69	72	74	3	VR	29.10	30.03
16	BKN	110			10.00	-RA	69	65	66	87	0	00	29.08	30.02
19	CLR	NC			7.00		70	67	68	90	0	00	29.10	30.03
22	OVC	100			5.00	BR	70	67	68	90	0	00	29.14	30.08
SUNRISE: 0615 SEP 10 SUNSET: 1852														
01	OVC	001			3.00	BR	68	66	67	93	0	00	29.13	30.06
04	FEW	003			4.00	BR	67	65	66	93	0	00	29.13	30.07
07	CLR	NC			3.00	BR	67	65	66	93	0	00	29.17	30.11
10	OVC	012			7.00		74	67	69	79	5	VR	29.19	30.13
13	CLR	NC			9.00		80	67	71	65	3	VR	29.15	30.09
16	BKN	043			10.00	-RA	81	67	72	63	5	27	29.12	30.05
19	CLR	NC			7.00		78	69	72	74	0	00	29.13	30.06
22	OVC	100			5.00	BR	73	69	70	87	0	00	29.17	30.11
SUNRISE: 0616 SEP 11 SUNSET: 1850														
01	CLR	NC			5.00	BR	71	68	69	90	0	00	29.18	30.12
04	CLR	NC			4.00	BR	70	67	68	90	0	00	29.18	30.11
07	FEW	120			5.00	BR	70	67	68	90	0	00	29.21	30.15
10	CLR	NC			10.00		77	67	70	71	3	08	29.24	30.18
13	CLR	NC			10.00		83	67	72	59	3	VR	29.21	30.14
16	FEW	080			10.00		86	67	73	53	5	VR	29.14	30.07
19	BKN	050			10.00		82	69	73	65	3	21	29.15	30.09
22	OVC	060			10.00		78	71	73	79	0	00	29.20	30.13
SUNRISE: 0617 SEP 12 SUNSET: 1849														
01	CLR	NC			10.00		74	70	71	87	0	00	29.19	30.12
04	OVC	055			10.00		73	67	69	82	0	00	29.17	30.10
07	BKN	070			10.00		72	67	69	84	0	00	29.18	30.11
10	CLR	NC			10.00		80	68	72	67	5	24	29.19	30.12
13	SCT	050			10.00		86	67	73	53	8	19	29.15	30.08
16	CLR	NC			10.00		86	68	74	55	5	VR	29.10	30.01
19	SCT	060			10.00		82	69	73	65	5	26	29.10	30.02
22	CLR	NC			10.00		75	70	72	85	0	00	29.13	30.05

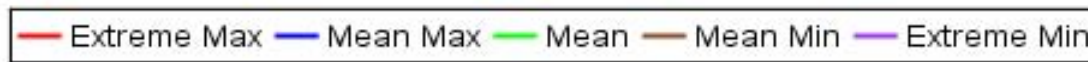
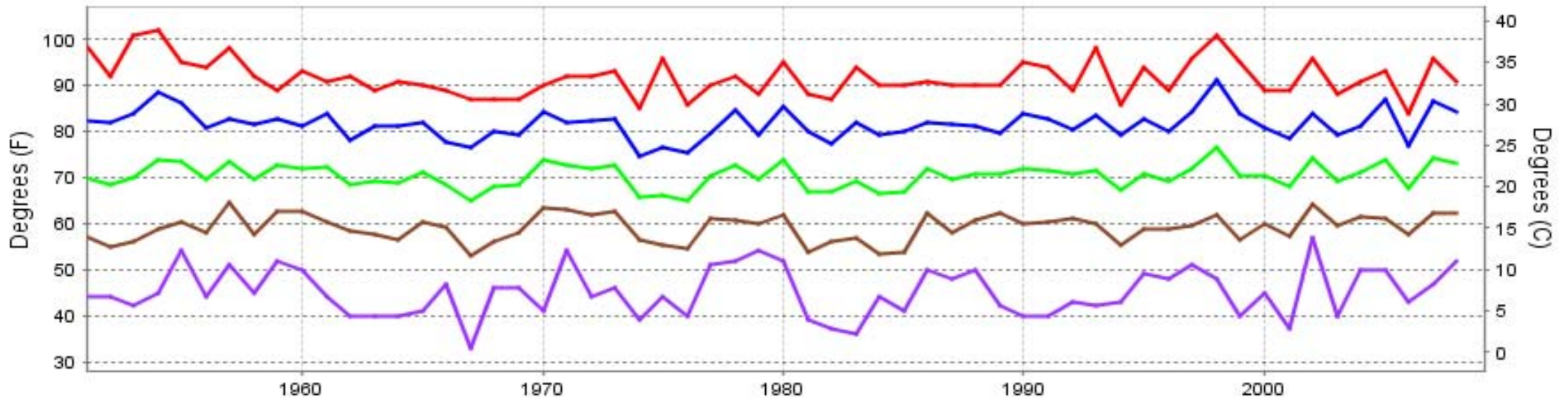
OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN
SEPTEMBER 2008 KOQT

WBAN # 53868

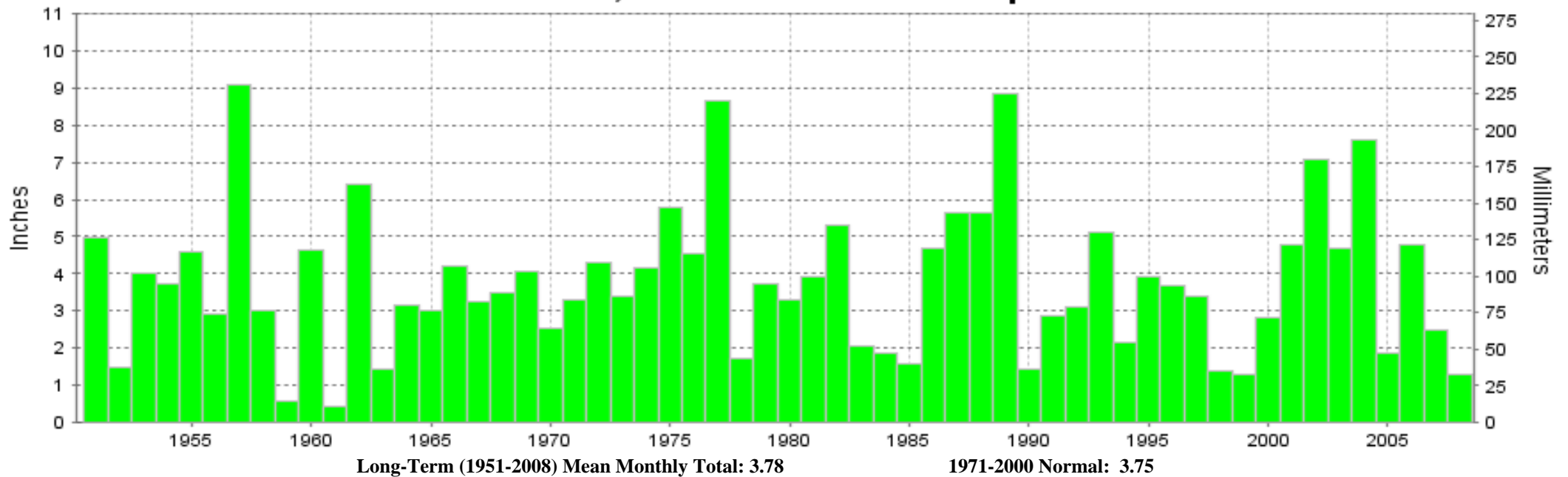
HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)			
			Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION				SEA LEVEL	Observation Time (LST)			Eff Cld Amt Oktas	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0618 SEP 13							SUNSET: 1847							SUNRISE: 0622 SEP 19							SUNSET: 1839								
01	CLR	NC			10.00		72	69	70	90	0	00	29.10	30.03	01	CLR	NC			10.00		61	56	58	84	0	00	29.25	30.19
04	CLR	NC			10.00		71	68	69	90	0	00	29.08	30.00	04	CLR	NC			9.00		59	55	57	87	0	00	29.26	30.20
07	CLR	NC			10.00		71	67	68	87	0	00	29.10	30.02	07	CLR	NC			6.00	BR	58	55	56	90	0	00	29.31	30.26
10	CLR	NC			10.00		80	69	73	69	0	00	29.10	30.03	10	CLR	NC			10.00		73	56	63	55	3	VR	29.32	30.27
13	BKN	060			10.00		85	69	74	59	3	VR	29.06	29.98	13	CLR	NC			10.00		78	55	64	45	5	VR	29.27	30.22
16	BKN	055			10.00		88	70	75	55	7	VR	29.01	29.92	16	CLR	NC			10.00		80	51	63	37	0	00	29.21	30.16
19	CLR	NC			10.00		83	69	73	63	0	00	29.00	29.92	19	CLR	NC			10.00		73	57	63	57	0	00	29.21	30.16
22	CLR	NC			10.00		78	69	72	74	0	00	29.02	29.94	22	BKN	075			10.00		68	58	62	71	0	00	29.24	30.18
SUNRISE: 0618 SEP 14							SUNSET: 1846							SUNRISE: 0623 SEP 20							SUNSET: 1837								
01	CLR	NC			10.00		75	68	70	79	5	VR	29.01	29.93	01	CLR	NC			10.00		62	57	59	84	0	00	29.25	30.19
04	CLR	NC			10.00		75	68	70	79	3	23	28.96	29.87	04	CLR	NC			7.00		60	56	58	87	0	00	29.25	30.19
07	OVC	033			10.00		75	68	70	79	5	VR	28.95	29.87	07	CLR	NC			5.00	BR	59	56	57	90	0	00	29.29	30.24
10	BKN	033			10.00		81	68	72	65	14	20	28.94	29.85	10	FEW	075			10.00		70	56	62	61	0	00	29.30	30.24
13	SCT	044			10.00		85	66	72	53	13	22	28.91	29.83	13	CLR	NC			10.00		77	56	64	48	6	07	29.25	30.19
16	OVC	050			10.00		79	68	72	69	11	23	28.90	29.82	16	CLR	NC			10.00		80	53	64	39	5	10	29.18	30.13
19	OVC	033			7.00		75	72	73	90	3	VR	28.91	29.83	19	CLR	NC			10.00		75	56	64	52	0	00	29.19	30.14
22	OVC	037			10.00	-RA	73	69	70	87	3	33	28.97	29.89	22	FEW	110			10.00		69	59	63	71	0	00	29.22	30.16
SUNRISE: 0619 SEP 15							SUNSET: 1845							SUNRISE: 0624 SEP 21							SUNSET: 1836								
01	OVC	032			10.00		69	66	67	90	3	20	29.00	29.92	01	FEW	110			10.00		66	59	62	78	0	00	29.23	30.17
04	BKN	060			10.00		67	62	64	84	0	00	29.02	29.95	04	OVC	120			7.00		65	59	61	81	0	00	29.23	30.17
07	FEW	039			10.00		64	60	62	87	0	00	29.07	30.00	07	OVC	110			4.00	BR	63	60	61	90	0	00	29.29	30.24
10	SCT	036			10.00		71	59	64	66	3	VR	29.10	30.04	10	FEW	110			10.00		72	59	64	64	0	00	29.30	30.24
13	BKN	050			10.00		74	53	62	48	3	07	29.10	30.04	13	CLR	NC			10.00		81	56	66	42	3	VR	29.26	30.20
16	CLR	NC			10.00		72	54	61	53	7	36	29.09	30.03	16	FEW	065			10.00		83	53	65	36	6	06	29.22	30.16
19	CLR	NC			10.00		68	55	60	63	0	00	29.10	30.04	19	CLR	NC			10.00		74	57	64	56	0	00	29.23	30.18
22	FEW	055			10.00		62	56	59	81	0	00	29.14	30.09	22	CLR	NC			10.00		64	56	59	75	0	00	29.28	30.23
SUNRISE: 0620 SEP 16							SUNSET: 1843							SUNRISE: 0625 SEP 22							SUNSET: 1834								
01	FEW	050			10.00		62	55	58	78	0	00	29.13	30.08	01	CLR	NC			10.00		60	55	57	84	0	00	29.29	30.23
04	BKN	049			10.00		60	54	57	81	0	00	29.13	30.07	04	CLR	NC			6.00	BR	58	54	56	87	0	00	29.30	30.24
07	CLR	NC			10.00		61	54	57	78	3	08	29.14	30.10	07	CLR	NC			5.00	BR	56	53	54	90	0	00	29.34	30.30
10	FEW	055			10.00		67	54	60	63	5	VR	29.18	30.14	10	CLR	NC			10.00		70	57	62	64	5	VR	29.35	30.30
13	CLR	NC			10.00		74	56	63	54	6	VR	29.16	30.11	13	CLR	NC			10.00		81	56	66	42	3	VR	29.31	30.25
16	BKN	060			10.00		76	55	63	48	7	05	29.13	30.07	16	CLR	NC			10.00		85	46	63	26	6	VR	29.26	30.20
19	OVC	070			10.00		72	56	62	57	0	00	29.14	30.09	19	CLR	NC			10.00		74	53	62	48	0	00	29.27	30.23
22	FEW	065			10.00		64	57	60	78	0	00	29.19	30.14	22	CLR	NC			10.00		63	54	58	73	0	00	29.31	30.26
SUNRISE: 0621 SEP 17							SUNSET: 1842							SUNRISE: 0625 SEP 23							SUNSET: 1833								
01	CLR	NC			10.00		61	56	58	84	0	00	29.18	30.13	01	CLR	NC			10.00		58	54	56	87	0	00	29.33	30.27
04	CLR	NC			9.00		60	56	58	87	0	00	29.16	30.11	04	CLR	NC			8.00		56	52	54	87	0	00	29.34	30.29
07	SCT	065			7.00		60	56	58	87	0	00	29.19	30.15	07	CLR	NC			6.00	BR	55	52	53	90	0	00	29.38	30.34
10	CLR	NC			10.00		72	58	64	62	9	08	29.21	30.16	10	CLR	NC			10.00		72	52	60	50	7	05	29.40	30.35
13	CLR	NC			10.00		80	59	67	49	5	VR	29.17	30.12	13	CLR	NC			10.00		81	51	63	35	3	VR	29.34	30.29
16	CLR	NC			10.00		82	55	65	40	6	05	29.13	30.08	16	CLR	NC			10.00		83	43	61	24	7	VR	29.26	30.21
19	CLR	NC			10.00		75	56	64	52	0	00	29.15	30.10	19	CLR	NC			10.00		76	47	60	36	3	07	29.27	30.22
22	CLR	NC			10.00		66	58	61	76	0	00	29.19	30.14	22	CLR	NC			10.00		64	52	57	65	0	00	29.31	30.26
SUNRISE: 0621 SEP 18							SUNSET: 1840							SUNRISE: 0626 SEP 24							SUNSET: 1831								
01	CLR	NC			10.00		62	57	59	84	0	00	29.20	30.14	01	CLR	NC			9.00		61	53	57	75	0	00	29.33	30.28
04	CLR	NC			9.00		60	56	58	87	0	00	29.20	30.15	04	CLR	NC			7.00		58	53	55	84	0	00	29.34	30.29
07	CLR	NC			7.00		59	55	57	87	0	00	29.24	30.19	07	CLR	NC			3.00	BR	56	52	54	87	0	00	29.36	30.31
10	CLR	NC			10.00		73	54	62	52	9	07	29.27	30.22	10	CLR	NC			10.00		69	49	58	49	6	VR	29.37	30.32
13	CLR	NC			10.00		82	52	64	35	5	VR	29.24	30.19	13	CLR	NC			10.00		77	45	59	32	3	VR	29.30	30.24
16	CLR	NC			10.00		84	48	63	29	7	36	29.19	30.14	16	CLR	NC			10.00		82	38	58	21	9	35	29.22	30.16
19	CLR	NC			10.00		76	52	62	43	0	00	29.19	30.15	19	CLR	NC			10.00		72	40	55	31	0	00	29.23	30.19
22	CLR	NC			10.00		66	55	60	68	0	00	29.24	30.18	22	CLR	NC			10.00		59	46	52	62	0	00	29.27	30.23

OAK RIDGE, TN SEPTEMBER Temperatures



Long-Term (1951-2008) Mean: 70.4
1971-2000 Normal: 70.0

OAK RIDGE, TN SEPTEMBER Precipitation



Long-Term (1951-2008) Mean Monthly Total: 3.78

1971-2000 Normal: 3.75



**SEPTEMBER 2008
OAK RIDGE, TN**

**LOCAL CLIMATOLOGICAL DATA
NOAA, National Climatic Data Center**

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Thomas R. Karl
DIRECTOR

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