



JUNE 2013 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		LST 11	LST 12	LST 13	LST 14	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			3-SEC		2-MIN			
01	86	68	77	7	66	70	0	12	RA BR			0.39	29.07	29.99	3.7	20	4.7	28	19	15	20	01		
02	78	66	72	2	68	69	0	7	RA FG+ FG BR			2.23	28.98	29.91	1.9	19	3.1	20	18	13	19	02		
03	83	63	73	3	62	65	0	8	FG+ FG BR			0.00	28.98	29.94	0.0	26	1.4	15	36	9	32	03		
04	84	59	72	1	59	64	0	7				0.00	29.06	30.00	1.3	06	2.3	12	08	9	06	04		
05	84	62	73	2	64	67	0	8	RA BR			0.10	29.04	29.97	0.7	20	1.2	25	25	17	25	05		
06	84	64	74	3	66	68	0	9	RA FG+ FG BR			T	28.89	29.81	0.3	20	2.1	15	19	9	23	06		
07	85	68	77	5	65	69	0	12	RA BR			0.02	28.81	29.74	0.3	34	1.7	13	35	8	36	07		
08	82	67	75	3	64	67	0	10	BR			0.00	29.00	29.96	1.1	19	1.8	14	20	9	19	08		
09	83	65	74	2	67	68	0	9	RA BR			0.35	29.10	30.03	0.2	17	1.0	15	27	8	25	09		
10	84	66	75	3	66	69	0	10	RA FG+ BR			0.92	28.97	29.91	3.1	20	4.4	47*	18	25*	18	10		
11	89	64	77	5	65	69	0	12	FG+ FG BR			0.00	29.04	29.98	0.5	22	2.3	16	20	10	25	11		
12	92*	69	81*	8	71	74	0	16	RA			T	29.05	29.96	1.4	25	3.5	17	21	10	21	12		
13	87	70	79	6	68	72	0	14	RA			0.14	28.90	29.82	1.8	28	4.5	23	21	14	25	13		
14	84	59*	72	-1	57	63	0	7				0.00	29.02	29.97	0.5	08	1.8	17	08	13	07	14		
15	86	60	73	0	60	65	0	8				0.00	29.13	30.07	1.3	24	2.1	16	20	10	20	15		
16	88	65	77	3	65	69	0	12	RA FG BR			1.02	29.11	30.04	0.9	23	2.4	16	25	9	25	16		
17	83	69	76	2	69	71	0	11	RA BR			0.18	29.05	29.97	2.4	20	3.0	15	19	9	19	17		
18	79	65	72*	-2	67	68	0	7	RA FG+ FG BR			1.62	28.94	29.88	0.3	36	1.8	22	36	12	01	18		
19	86	62	74	0	64	67	0	9	FG+ FG BR			0.00	29.05	30.01	0.3	13	0.7	10	11	7	09	19		
20	87	65	76	2	65	68	0	11				0.00	29.19	30.14	0.3	20	1.1	16	08	10	09	20		
21	85	66	76	1	65	68	0	11				0.00	29.25	30.19	0.6	20	1.5	10	26	8	26	21		
22	87	66	77	2	65	69	0	12	BR			0.00	29.21	30.15	0.2	12	1.3	17	15	8	10	22		
23	88	66	77	2	65	69	0	12	RA BR			T	29.20	30.13	0.1	28	0.7	22	20	12	21	23		
24	89	68	79	4	68	71	0	14				0.00	29.20	30.13	1.2	26	2.6	15	25	9	28	24		
25	84	71	78	3	69	71	0	13	RA			T	29.15	30.08	0.7	26	2.0	12	21	8	26	25		
26	86	71	79	4	72	74	0	14	RA BR			0.15	29.05	29.96	1.0	23	1.9	24	28	15	28	26		
27	88	68	78	2	71	73	0	13	RA FG BR HZ			0.27	28.90	29.83	1.7	22	3.3	33	26	17	27	27		
28	85	72	79	3	69	72	0	14	RA FG+ FG BR HZ			T	28.82	29.72	2.0	25	2.5	15	27	10	26	28		
29	87	66	77	1	63	68	0	12	RA FG BR HZ			0.53	28.74	29.66	1.5	22	3.1	20	23	10	22	29		
30	88	66	77	1	63	68	0	12	RA FG BR			T	28.79	29.72	0.5	24	1.9	15	27	10	27	30		

85.4	65.9	75.6	☼	65.6	68.8	0.0	10.9	< MONTHLY AVERAGES TOTALS >				7.92	29.03	29.96	0.8	22	2.3	< MONTHLY AVERAGES			
-0.3	1.4	0.5		-----DEPARTURE FROM NORMAL ----->				3.64	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3												
DEGREE DAYS								GREATEST 24-HR PRECIPITATION : 2.62 DATE : 01-02				SEA LEVEL PRESSURE				DATE TIME					
MONTHLY								GREATEST 24-HR SNOWFALL :				MAXIMUM :				30.24 21 1041					
SEASON TO DATE								GREATEST SNOW DEPTH :				MINIMUM :				29.63 29 1826					
TOTAL DEPARTURE				TOTAL DEPARTURE				NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 1		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH: 13					
HEATING : 0 -2 3618 -78				COOLING : 326 21 481 32				THUNDERSTORMS : 0		HEAVY FOG : 8		PRECIPITATION >= 0.10 INCH: 12				SNOWFALL >= 1.0 INCH :					

JUNE 2013
OAK RIDGE, TN

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)
JUNE 2013

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												T	01			T		T	0.03	0.03	0.33	T		T	01	0.39	0.39	
02				0.09	0.09	0.07	0.01	0.15	0.56	0.28	0.07	T	02			0.91	T								02	2.23	2.23	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
05													05			0.02	0.07	0.01							05	0.10	0.10	
06												T	06												06	T	T	
07													07						T	0.01	0.01	T			07	0.02	0.02	
08													08												08	0.00	0.00	
09												T	09	0.03	0.03	0.18	0.11	T		T			T	T	09	0.35	0.35	
10	T				T		T	0.12	0.02	0.05			10	T				0.01	0.56	T	0.15	0.01			10	0.92	0.92	
11													11												11	0.00	0.00	
12												T	12												12	T	T	
13												0.03	13			0.11									13	0.14	0.14	
14													14												14	0.00	0.00	
15													15												15	0.00	0.00	
16													16												16	1.02	1.02	
17	0.18												17								T	0.94	0.07	0.01	17	0.18	0.18	
18	T	0.03	T	T	T	0.19	0.02	0.02	0.07	0.72	0.42	T	18	0.15	T										18	1.62	1.62	
19													19												19	0.00	0.00	
20													20												20	0.00	0.00	
21													21												21	0.00	0.00	
22													22												22	0.00	0.00	
23													23						T						23	T	T	
24													24												24	0.00	0.00	
25													25		T										25	T	T	
26												T	26	0.14	T				0.01	T					26	0.15	0.15	
27		0.09	0.01	0.03									27	0.02			0.12								27	0.27	0.27	
28													28											T	28	T	T	
29	0.15	0.38											29												29	0.53	0.53	
30	T												30												30	T	T	

* 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)	0.47	0.55	0.80	0.90	0.91	0.93	0.94	1.07	1.14	1.18	1.20	1.21
Ending Date	10	10	02	02	02	16	16	18	18	18	18	18
Ending Time (Hr/Min)	1814	1815	1543	1546	1548	2148	2158	1023	1023	1050	1057	1057

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.

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).

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	
VC In the Vicinity	UP Unkown Precipitation		GL Glaze

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

OAK RIDGE, TN JUNE 2013

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet.

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.

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

NORMALS ARE FOR THE YEARS 1981-2010

ADDITIONAL NOTES & ERRATA:

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

Beginning with the January 2013 LCD, monthly mean temperature calculations have changed to the National Data Stewardship Team standard. Monthly maximum and minimum temperature are not rounded until after monthly mean temperature is calculated. This is the most accurate outcome, but may be slightly different from the mean derived from rounded monthly maximum and minimum.

Date	VISIBILITY (MILES)	
	MINIMUM	MAXIMUM
01	4.00	10.00
02	0.25	10.00
03	0.25	10.00
04	8.00	10.00
05	1.50	10.00
06	0.25	10.00
07	5.00	10.00
08	5.00	10.00
09	1.50	10.00
10	2.50	10.00
11	0.25	10.00
12	10.00	10.00
13	3.00	10.00
14	10.00	10.00
15	10.00	10.00
16	5.00	10.00
17	6.00	10.00
18	0.50	10.00
19	0.25	10.00
20	8.00	10.00
21	10.00	10.00
22	6.00	10.00
23	6.00	10.00
24	10.00	10.00
25	10.00	10.00
26	2.50	10.00
27	0.50	10.00
28	0.25	10.00
29	0.50	10.00
30	0.50	10.00
AVGS	4.25	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
6	15	8

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

JUNE 2013

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL						DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0522 JUN 01 SUNSET: 1948																									
01	SCT	075	10.00		70	64	66	82	0	00	29.13	30.05	01	FEW	048	10.00		70	67	68	90	0	00	28.81	29.74
04	OVC	085	10.00		69	64	66	84	0	00	29.10	30.02	04	BKN	029	10.00		69	67	68	93	0	00	28.78	29.70
07	BKN	090	10.00		74	63	67	69	5	VR	29.10	30.03	07	BKN	070	10.00		71	67	68	87	0	00	28.79	29.72
10	OVC	080	10.00		79	65	70	62	10	19	29.10	30.03	10	FEW	026	10.00		78	66	70	67	3	10	28.81	29.73
13	BKN	080	10.00		84	68	73	59	9	19	29.07	29.99	13	FEW	039	10.00		84	63	70	49	7	VR	28.80	29.72
16	SCT	100	10.00		85	65	72	51	9	18	29.02	29.93	16	CLR	NC	10.00		84	61	69	46	6	01	28.79	29.71
19	OVC	100	10.00		76	71	73	85	0	00	29.02	29.94	19	OVC	110	8.00	-RA	74	65	68	74	5	26	28.85	29.78
22	SCT	060	10.00		72	69	70	91	6	20	29.04	29.96	22	BKN	110	6.00	BR	70	68	69	93	0	00	28.91	29.83
SUNRISE: 0521 JUN 02 SUNSET: 1948																									
01	OVC	041	10.00		71	69	70	94	3	22	29.03	29.95	01	FEW	005	5.00	BR	68	67	67	96	0	00	28.91	29.84
04	OVC	037	2.00	-RA BR	71	69	70	94	0	00	29.00	29.92	04	OVC	008	6.00	BR	68	65	66	90	0	00	28.95	29.87
07	OVC	035	10.00	-RA	69	67	68	93	10	17	29.00	29.93	07	OVC	010	8.00		68	64	65	87	0	00	29.00	29.93
10	OVC	100	1.75	RA BR	69	68	68	96	0	00	29.01	29.94	10	OVC	019	9.00		70	64	66	82	5	20	29.06	30.00
13	OVC	029	10.00		72	69	70	91	3	VR	28.99	29.92	13	FEW	031	10.00		79	63	69	58	8	19	29.06	29.99
16	OVC	080	4.00	-RA BR	68	67	67	96	0	00	28.96	29.89	16	SCT	095	10.00		81	62	69	53	5	17	29.04	29.97
19	BKN	040	10.00		72	69	70	91	0	00	28.95	29.89	19	CLR	NC	10.00		79	62	68	56	0	00	29.06	29.98
22	BKN	110	10.00		68	66	67	93	0	00	28.99	29.92	22	OVC	060	10.00		71	65	67	81	0	00	29.12	30.05
SUNRISE: 0521 JUN 03 SUNSET: 1949																									
01	OVC	070	5.00	BR	66	65	65	96	0	00	28.98	29.91	01	CLR	NC	6.00	BR	67	65	66	93	0	00	29.12	30.05
04	VV	002	1.00	BR	64	64	64	100	0	00	28.97	29.91	04	FEW	043	5.00	BR	65	64	64	97	0	00	29.13	30.06
07	OVC	002	3.00	BR	64	64	64	100	0	00	29.00	29.95	07	OVC	037	5.00	BR	67	64	65	91	0	00	29.15	30.09
10	OVC	075	10.00		72	63	66	73	0	00	29.03	29.97	10	OVC	070	10.00		76	66	69	72	0	00	29.13	30.07
13	FEW	034	10.00		79	62	68	56	0	00	29.00	29.93	13	BKN	100	5.00	-RA	79	70	73	74	6	19	29.08	30.01
16	CLR	NC	10.00		82	58	67	44	6	VR	28.96	29.89	16	OVC	110	6.00	-RA BR	69	67	68	93	3	VR	29.09	30.03
19	SCT	065	10.00		74	61	66	64	3	VR	28.98	29.92	19	OVC	080	10.00	-RA	73	68	70	84	0	00	29.06	29.99
22	CLR	NC	10.00		67	61	63	81	0	00	29.05	29.98	22	BKN	027	10.00		71	68	69	90	0	00	29.05	29.98
SUNRISE: 0521 JUN 04 SUNSET: 1949																									
01	CLR	NC	10.00		62	59	60	90	0	00	29.06	29.99	01	BKN	120	10.00		70	68	69	93	0	00	29.01	29.93
04	CLR	NC	8.00		60	58	59	93	0	00	29.05	29.98	04	BKN	050	10.00		71	67	68	87	3	VR	28.97	29.91
07	CLR	NC	10.00		63	59	61	87	3	06	29.09	30.03	07	OVC	027	9.00	-RA	70	67	68	90	8	20	28.98	29.91
10	CLR	NC	10.00		76	61	67	60	5	VR	29.10	30.04	10	OVC	040	10.00		72	69	70	91	7	VR	29.00	29.93
13	SCT	049	10.00		80	58	66	47	6	12	29.09	30.02	13	BKN	049	10.00		78	64	69	62	10	20	28.99	29.92
16	CLR	NC	10.00		83	57	67	41	5	08	29.06	29.99	16	SCT	060	10.00		83	59	68	44	9	21	28.94	29.86
19	CLR	NC	10.00		80	58	66	47	0	00	29.03	29.97	19	CLR	NC	10.00		70	67	68	90	0	00	28.94	29.88
22	CLR	NC	10.00		69	63	65	81	0	00	29.07	30.01	22	SCT	085	10.00		69	67	68	93	0	00	28.99	29.93
SUNRISE: 0521 JUN 05 SUNSET: 1950																									
01	BKN	055	10.00		65	62	63	90	0	00	29.06	29.99	01	CLR	NC	9.00		67	66	66	97	0	00	29.02	29.95
04	SCT	044	9.00		63	61	62	93	0	00	29.07	30.00	04	VV	002	0.25	FG	64	64	64	100	0	00	29.03	29.96
07	CLR	NC	10.00		65	62	63	90	0	00	29.10	30.03	07	VV	002	0.25	FG	65	65	65	100	0	00	29.08	30.02
10	CLR	NC	10.00		79	66	70	65	0	00	29.06	29.99	10	FEW	016	10.00		77	67	70	71	3	VR	29.09	30.02
13	BKN	038	10.00		83	66	72	57	5	20	29.03	29.96	13	CLR	NC	10.00		84	64	71	51	6	VR	29.07	29.99
16	BKN	095	6.00	-RA BR	69	65	66	87	5	VR	29.02	29.96	16	CLR	NC	10.00		89	60	70	38	6	VR	29.04	29.96
19	OVC	120	10.00		69	66	67	90	0	00	29.00	29.94	19	CLR	NC	10.00		84	65	71	53	3	22	29.02	29.95
22	BKN	060	10.00		69	66	67	90	0	00	29.01	29.94	22	CLR	NC	10.00		74	69	71	85	0	00	29.06	29.98
SUNRISE: 0520 JUN 06 SUNSET: 1951																									
01	VV	001	0.50	FG	65	65	65	100	0	00	28.97	29.90	01	CLR	NC	10.00		72	68	69	87	0	00	29.06	29.98
04	OVC	002	7.00		64	64	64	100	0	00	28.93	29.87	04	CLR	NC	10.00		70	68	69	93	0	00	29.06	29.97
07	BKN	038	10.00		66	65	65	96	0	00	28.93	29.87	07	CLR	NC	10.00		73	68	70	84	0	00	29.09	30.00
10	OVC	018	10.00		72	66	68	82	6	VR	28.94	29.87	10	CLR	NC	10.00		82	72	75	72	3	23	29.10	30.02
13	OVC	035	10.00		78	66	70	67	3	VR	28.88	29.81	13	CLR	NC	10.00		88	72	77	59	5	25	29.08	30.00
16	FEW	034	10.00		82	66	71	58	6	VR	28.82	29.75	16	CLR	NC	10.00		91	73	78	56	7	VR	29.02	29.93
19	CLR	NC	10.00		79	67	71	67	0	00	28.81	29.74	19	CLR	NC	10.00		88	71	76	57	6	VR	29.00	29.92
22	BKN	090	10.00		73	67	69	81	0	00	28.82	29.75	22	CLR	NC	10.00		82	72	75	72	3	VR	28.99	29.91

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

JUNE 2013

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL						DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL	
SUNRISE: 0520 JUN 13					SUNSET: 1954					SUNRISE: 0520 JUN 19												SUNSET: 1956				
01	CLR	NC	10.00		77	72	74	85	0	00	28.99	29.90	01	OVC	002	2.50	BR	65	64	64	97	0	00	29.01	29.95	
04	BKN	044	10.00		74	71	72	91	0	00	28.97	29.88	04	VV	001	0.25	FG	63	63	63	100	0	00	29.01	29.95	
07	BKN	031	8.00		75	70	72	84	0	00	28.94	29.85	07	OVC	002	1.75	BR	64	64	64	100	0	00	29.07	30.01	
10	OVC	035	10.00		81	72	75	74	9	21	28.87	29.78	10	FEW	017	10.00		76	65	69	69	3	VR	29.09	30.03	
13	SCT	065	10.00		85	73	77	68	8	24	28.83	29.74	13	CLR	NC	10.00		82	64	70	55	3	VR	29.09	30.02	
16	BKN	060	10.00		81	70	73	69	5	VR	28.85	29.77	16	FEW	090	10.00		84	62	70	48	0	00	29.07	30.00	
19	FEW	080	10.00		79	63	69	58	7	34	28.88	29.80	19	CLR	NC	10.00		82	64	70	55	0	00	29.08	30.01	
22	OVC	085	10.00		74	63	67	69	7	VR	28.96	29.88	22	CLR	NC	10.00		71	66	68	84	0	00	29.13	30.06	
SUNRISE: 0520 JUN 14					SUNSET: 1954					SUNRISE: 0520 JUN 20												SUNSET: 1956				
01	CLR	NC	10.00		66	59	62	78	0	00	28.97	29.90	01	CLR	NC	10.00		67	65	66	93	0	00	29.14	30.08	
04	CLR	NC	10.00		61	59	60	93	0	00	28.97	29.91	04	CLR	NC	10.00		66	64	65	93	0	00	29.17	30.11	
07	CLR	NC	10.00		65	59	61	81	0	00	29.04	29.97	07	CLR	NC	9.00		67	64	65	91	0	00	29.21	30.15	
10	CLR	NC	10.00		75	58	65	55	3	VR	29.05	29.98	10	CLR	NC	10.00		78	65	70	64	0	00	29.23	30.16	
13	CLR	NC	10.00		81	53	64	38	8	08	29.06	29.99	13	CLR	NC	10.00		85	66	72	53	5	21	29.21	30.15	
16	FEW	070	10.00		82	53	65	37	6	VR	29.04	29.98	16	SCT	110	10.00		86	65	72	49	0	00	29.18	30.11	
19	CLR	NC	10.00		79	55	64	44	0	00	29.04	29.98	19	FEW	055	10.00		77	64	69	64	0	00	29.20	30.14	
22	CLR	NC	10.00		67	60	63	79	0	00	29.09	30.03	22	CLR	NC	10.00		75	64	68	69	0	00	29.23	30.16	
SUNRISE: 0520 JUN 15					SUNSET: 1955					SUNRISE: 0521 JUN 21												SUNSET: 1957				
01	CLR	NC	10.00		63	60	61	90	0	00	29.12	30.05	01	CLR	NC	10.00		70	64	66	82	0	00	29.24	30.17	
04	BKN	065	10.00		61	59	60	93	0	00	29.13	30.06	04	SCT	100	10.00		67	65	66	93	0	00	29.24	30.17	
07	CLR	NC	10.00		62	60	61	93	0	00	29.17	30.11	07	SCT	120	10.00		68	65	66	90	0	00	29.28	30.22	
10	SCT	065	10.00		76	59	65	56	3	03	29.17	30.12	10	FEW	065	10.00		77	66	70	69	3	16	29.29	30.23	
13	CLR	NC	10.00		83	59	68	44	5	VR	29.15	30.09	13	BKN	048	10.00		81	63	69	54	3	VR	29.29	30.22	
16	SCT	050	10.00		85	60	69	43	8	21	29.10	30.04	16	FEW	042	10.00		84	63	70	49	5	18	29.23	30.16	
19	CLR	NC	10.00		83	60	68	46	0	00	29.10	30.03	19	CLR	NC	10.00		81	62	69	53	3	25	29.20	30.14	
22	CLR	NC	10.00		71	65	67	81	0	00	29.13	30.06	22	CLR	NC	10.00		74	66	69	76	0	00	29.25	30.18	
SUNRISE: 0520 JUN 16					SUNSET: 1955					SUNRISE: 0521 JUN 22												SUNSET: 1957				
01	CLR	NC	10.00		69	64	66	84	0	00	29.13	30.06	01	CLR	NC	10.00		68	66	67	93	0	00	29.23	30.17	
04	SCT	060	10.00		66	63	64	90	0	00	29.13	30.06	04	CLR	NC	8.00		67	65	66	93	0	00	29.21	30.15	
07	FEW	055	10.00		70	64	66	82	0	00	29.15	30.09	07	CLR	NC	6.00	BR	69	66	67	90	0	00	29.26	30.20	
10	SCT	055	10.00		78	62	68	58	5	VR	29.16	30.09	10	CLR	NC	10.00		80	65	70	60	3	VR	29.28	30.22	
13	SCT	050	10.00		83	64	71	53	6	VR	29.12	30.05	13	SCT	038	10.00		84	65	71	53	3	09	29.25	30.18	
16	SCT	070	10.00		85	63	71	48	5	VR	29.07	30.00	16	CLR	NC	10.00		84	65	71	53	6	19	29.18	30.11	
19	CLR	NC	10.00		83	66	72	57	5	20	29.06	29.98	19	CLR	NC	10.00		83	65	71	55	0	00	29.13	30.06	
22	OVC	095	5.00	-RA BR	72	69	70	91	0	00	29.12	30.05	22	FEW	120	10.00		75	68	70	79	0	00	29.19	30.12	
SUNRISE: 0520 JUN 17					SUNSET: 1956					SUNRISE: 0521 JUN 23												SUNSET: 1957				
01	OVC	085	8.00		70	69	69	97	0	00	29.10	30.02	01	FEW	110	9.00		70	67	68	90	0	00	29.19	30.12	
04	OVC	110	7.00		70	69	69	97	0	00	29.08	30.01	04	CLR	NC	8.00		67	65	66	93	0	00	29.16	30.10	
07	CLR	NC	9.00		71	69	70	94	3	23	29.09	30.01	07	FEW	003	7.00		68	65	66	90	0	00	29.24	30.18	
10	OVC	023	10.00		75	69	71	82	6	23	29.10	30.03	10	CLR	NC	10.00		81	64	70	57	0	00	29.26	30.19	
13	BKN	026	10.00		76	69	71	79	7	18	29.08	30.01	13	CLR	NC	10.00		84	64	71	51	0	00	29.21	30.14	
16	CLR	NC	10.00		82	68	73	63	6	18	29.01	29.93	16	FEW	060	10.00		86	62	70	45	5	33	29.17	30.10	
19	CLR	NC	10.00		81	69	73	67	5	VR	28.99	29.92	19	CLR	NC	10.00		79	67	71	67	3	19	29.16	30.10	
22	OVC	100	10.00		79	67	71	67	5	VR	29.01	29.93	22	CLR	NC	10.00		74	69	71	85	0	00	29.20	30.13	
SUNRISE: 0520 JUN 18					SUNSET: 1956					SUNRISE: 0521 JUN 24												SUNSET: 1957				
01	BKN	100	10.00	-RA	73	67	69	81	0	00	28.95	29.88	01	SCT	050	10.00		70	67	68	90	0	00	29.20	30.13	
04	BKN	080	10.00		70	68	69	93	0	00	28.93	29.85	04	CLR	NC	10.00		69	66	67	90	0	00	29.21	30.14	
07	OVC	030	10.00	-RA	70	69	69	97	0	00	28.94	29.87	07	SCT	038	10.00		70	67	68	90	0	00	29.24	30.18	
10	OVC	021	0.50	+RA FG	70	69	69	97	0	00	28.92	29.84	10	BKN	023	10.00		79	70	73	74	5	25	29.27	30.20	
13	OVC	060	7.00	-RA	72	70	71	94	0	00	28.94	29.87	13	SCT	060	10.00		86	67	73	53	5	VR	29.20	30.13	
16	OVC	090	10.00		74	64	68	71	0	00	28.96	29.89	16	FEW	110	10.00		86	67	73	53	6	26	29.16	30.09	
19	CLR	NC	10.00		75	65	69	71	0	00	28.94	29.87	19	CLR	NC	10.00		85	65	72	51	5	26	29.15	30.08	
22	CLR	NC	10.00		67	65	66	93	0	00	29.03	29.96	22	CLR	NC	10.00		75	69	71	82	0	00	29.18	30.11	

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN
JUNE 2013

KOQT

WBAN # 53868

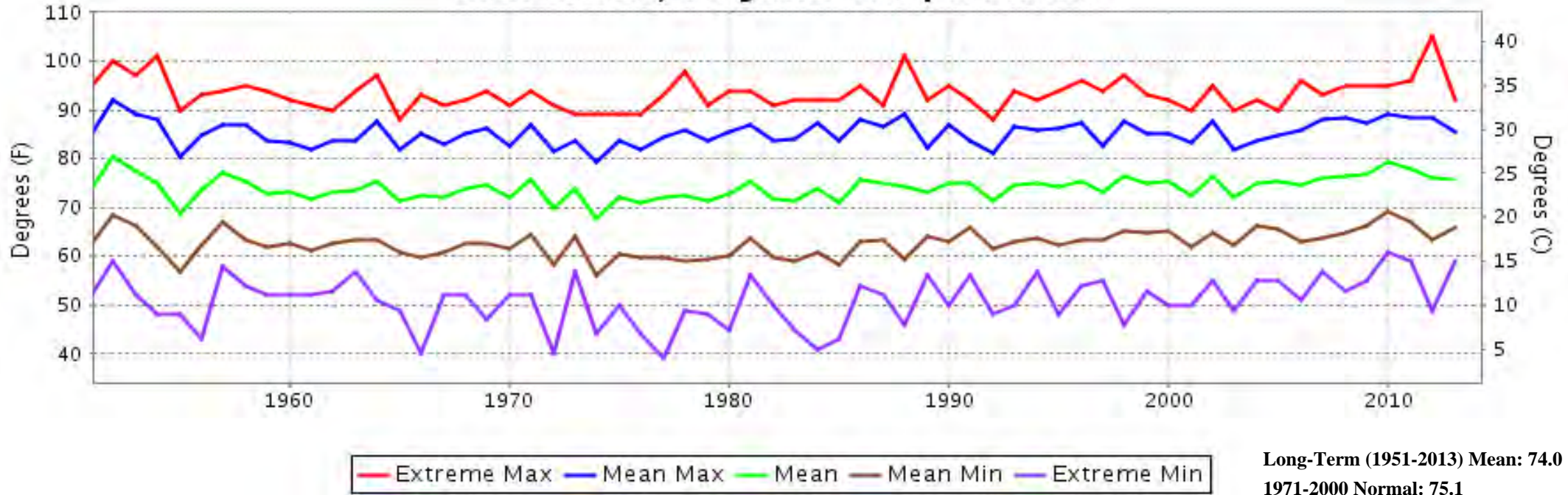
HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0522 JUN 25 SUNSET: 1957												
01	CLR	NC	10.00		74	69	71	85	0	00	29.16	30.09
04	CLR	NC	10.00		72	69	70	91	0	00	29.16	30.09
07	OVC	015	10.00		73	68	70	84	7	VR	29.19	30.12
10	OVC	012	10.00		74	68	70	82	5	24	29.21	30.15
13	BKN	110	10.00		82	70	74	67	6	VR	29.17	30.10
16	CLR	NC	10.00		81	69	73	67	7	27	29.13	30.06
19	CLR	NC	10.00		80	69	73	69	3	VR	29.09	30.01
22	CLR	NC	10.00		74	70	71	88	0	00	29.10	30.04
SUNRISE: 0522 JUN 26 SUNSET: 1958												
01	OVC	042	9.00		73	70	71	90	0	00	29.08	30.00
04	BKN	011	9.00		72	69	70	91	0	00	29.07	29.99
07	OVC	004	4.00	BR	73	71	72	94	0	00	29.10	30.03
10	OVC	022	10.00		79	71	74	77	7	27	29.09	30.01
13	OVC	110	3.00	RA BR	73	70	71	90	0	00	29.09	30.02
16	CLR	NC	10.00		79	74	76	85	0	00	28.99	29.91
19	BKN	070	10.00		82	74	76	77	0	00	28.95	29.88
22	SCT	070	10.00		79	74	76	85	0	00	28.96	29.88
SUNRISE: 0522 JUN 27 SUNSET: 1958												
01	BKN	070	10.00		78	72	74	82	7	21	28.95	29.88
04	BKN	100	10.00		68	67	67	96	5	07	28.94	29.87
07	BKN	045	10.00		70	68	69	93	3	VR	28.93	29.85
10	OVC	033	10.00		76	70	72	82	7	25	28.94	29.86
13	BKN	048	10.00		80	75	76	85	3	23	28.91	29.83
16	FEW	060	10.00		86	73	77	65	6	24	28.87	29.78
19	CLR	NC	10.00		82	72	75	72	7	21	28.85	29.77
22	CLR	NC	0.75	BR	76	72	73	88	0	00	28.91	29.83
SUNRISE: 0523 JUN 28 SUNSET: 1958												
01	VV	006	0.50	FG	73	71	72	94	0	00	28.88	29.80
04	BKN	004	0.75	BR	72	71	71	97	0	00	28.87	29.78
07	BKN	005	10.00		73	71	72	94	3	22	28.86	29.78
10	FEW	120	10.00		81	72	75	74	6	24	28.83	29.74
13	CLR	NC	10.00		84	71	75	65	3	26	28.80	29.71
16	BKN	100	10.00		84	68	73	59	6	26	28.74	29.65
19	SCT	110	10.00		84	60	69	44	3	27	28.74	29.65
22	CLR	NC	0.75	HZ	73	66	68	79	0	00	28.77	29.68
SUNRISE: 0523 JUN 29 SUNSET: 1958												
01	OVC	065	2.50	-RA BR	67	65	66	93	0	00	28.76	29.67
04	BKN	110	1.50	BR	67	65	66	93	0	00	28.74	29.66
07	CLR	NC	10.00		69	66	67	90	3	21	28.76	29.67
10	CLR	NC	10.00		78	67	71	69	3	VR	28.76	29.67
13	BKN	090	10.00		82	60	68	47	7	VR	28.76	29.67
16	FEW	060	10.00		85	57	67	39	5	VR	28.73	29.64
19	CLR	NC	10.00		83	60	68	46	5	23	28.73	29.64
22	CLR	NC	0.50	HZ	73	65	68	76	0	00	28.77	29.68
SUNRISE: 0523 JUN 30 SUNSET: 1958												
01	OVC	095	0.50	FG	70	66	67	87	0	00	28.77	29.68
04	OVC	100	0.50	FG	67	65	66	93	0	00	28.76	29.67
07	CLR	NC	10.00		70	64	66	82	0	00	28.80	29.72
10	CLR	NC	10.00		79	64	69	60	0	00	28.81	29.73
13	SCT	065	10.00		84	59	68	43	5	17	28.80	29.72
16	SCT	055	10.00		86	58	68	39	7	VR	28.78	29.70
19	CLR	NC	10.00		82	62	69	51	0	00	28.79	29.72
22	CLR	NC	10.00		73	65	68	76	0	00	28.85	29.77

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL

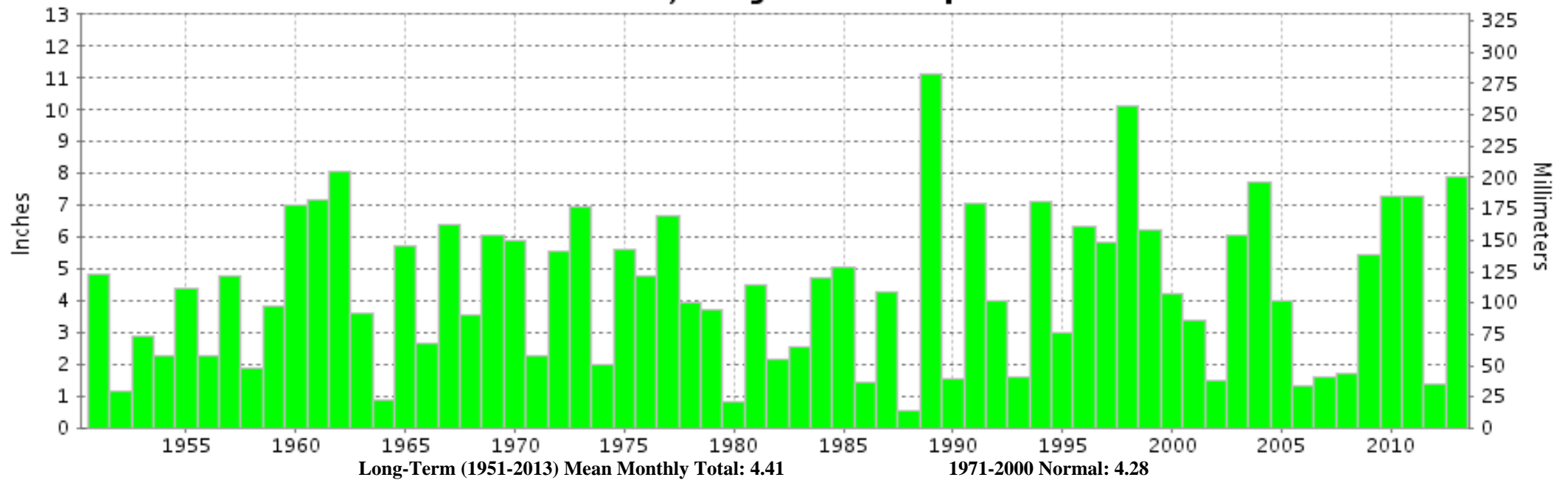
3-HOURLY OBSERVATION NOTES
 Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, W = Vertical Visibility = 8/8
 Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.
 & = Original observation contained additional weather elements.
 See page 3 for additional notes.

HOUR (LST)	AVERAGES								RESULTANT WIND (MPH)	
	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
					STATION	SEA LEVEL				
01	69	66	67	90	29.03	29.96	7.92	0	XX	XX
02	68	66	67	92	29.03	29.95	7.78	1	2	25
03	68	65	66	93	29.02	29.95	7.15	1	XX	XX
04	67	65	66	93	29.03	29.95	7.11	0	XX	XX
05	67	65	66	93	29.03	29.96	7.25	1	2	25
06	67	65	66	93	29.05	29.98	6.98	1	XX	XX
07	69	66	67	90	29.05	29.98	8.33	2	1	23
08	71	66	68	85	29.06	29.99	8.91	2	1	25
09	74	66	69	78	29.06	29.99	9.15	3	1	23
10	77	66	70	72	29.06	29.99	9.38	4	3	26
11	79	66	71	66	29.06	29.99	9.63	4	4	26
12	81	66	71	62	29.05	29.97	9.77	4	3	26
13	81	66	71	61	29.04	29.96	9.50	5	1	25
14	82	65	71	57	29.02	29.95	10.00	5	2	26
15	83	64	71	56	29.01	29.93	9.72	4	3	26
16	82	64	70	56	29.00	29.93	9.53	5	2	26
17	82	64	71	56	28.99	29.92	9.70	4	3	26
18	81	64	70	58	28.99	29.91	9.93	3	2	26
19	79	65	70	64	28.99	29.92	9.93	2	3	26
20	77	66	70	71	29.00	29.93	9.57	1	XX	XX
21	74	67	70	79	29.02	29.94	8.70	0	XX	XX
22	73	67	69	83	29.03	29.96	8.77	1	XX	XX
23	71	67	68	86	29.03	29.96	8.52	1	XX	XX
24	70	66	68	88	29.03	29.96	8.42	1	XX	XX

OAK RIDGE, TN JUNE Temperatures



OAK RIDGE, TN JUNE Precipitation





**JUNE 2013
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.

A handwritten signature in black ink, appearing to read "Thomas R. Karl".

DIRECTOR

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Asheville, NC 28801-5001