



# JUNE 2014 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			
2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19	20	21	22	23				
01	83	69	76	6	62	67	0	11				0.00	29.20	30.14	2.2	21	3.8	17	20	10	18	01		
02	84	63	74	4	59	65	0	9				0.00	29.21	30.14	1.5	23	3.3	16	19	10	20	02		
03	85	67	76	6	63	67	0	11	RA		T	29.13	30.05	0.8	21	2.3	11	19	7	19	03			
04	88	66	77	6	67	71	0	12	RA BR			0.05	28.97	29.88	2.0	22	4.1	21	22	12	22	04		
05	80	69	75	4	66	69	0	10	RA BR			0.36	28.90	29.83	1.5	24	3.0	30	20	21	21	05		
06	84	68	76	5	66	69	0	11	RA BR			0.01	28.98	29.92	0.6	04	1.6	10	36	7	36	06		
07	88	63	76	4	62	67	0	11				0.00	29.00	29.92	0.8	19	2.4	13	19	9	19	07		
08	85	64	75	3	62	66	0	10				0.00	28.95	29.89	3.3	25	5.5	20	26	14	26	08		
09	79	59*	69*	-3	61	65	0	4				0.00	28.97	29.91	0.7	26	1.9	17	26	10	27	09		
10	86	65	76	4	66	68	0	11	RA FG+ FG BR			0.82	28.97	29.91	1.6	21	3.3	32*	28	22*	26	10		
11	78	65	72	0	67	68	0	7	RA FG BR			0.99	28.90	29.84	1.3	21	2.2	22	14	13	22	11		
12	79	65	72	-1	66	67	0	7	RA BR			0.56	28.92	29.87	0.7	25	1.6	14	35	9	28	12		
13	77	64	71	-2	65	66	0	6	RA FG+ FG BR			0.23	28.96	29.91	0.6	18	1.5	16	19	10	20	13		
14	85	61	73	0	59	64	0	8				0.00	29.08	30.02	0.6	05	2.0	13	09	10	09	14		
15	89	62	76	3	63	68	0	11				0.00	29.13	30.08	1.2	19	2.8	14	17	10	16	15		
16	93*	68	81	7	66	71	0	16	BR			0.00	29.20	30.12	0.5	23	1.8	13	24	9	18	16		
17	92	69	81	7	68	72	0	16				0.00	29.18	30.11	1.5	22	2.7	14	19	9	22	17		
18	92	70	81	7	68	72	0	16	BR			0.00	29.16	30.09	1.3	25	2.6	22	16	15	16	18		
19	92	70	81*	7	68	71	0	16	RA		T	29.17	30.10	0.6	22	1.4	24	25	15	26	19			
20	90	67	79	5	69	71	0	14	RA FG+ BR			0.03	29.10	30.02	0.5	23	1.5	20	28	13	28	20		
21	86	69	78	3	69	71	0	13	RA BR			0.43	29.02	29.93	0.8	20	1.1	20	30	12	31	21		
22	89	68	79	4	67	70	0	14	FG BR			0.00	28.98	29.91	0.1	13	0.9	9	07	7	08	22		
23	92	68	80	5	67	70	0	15	RA BR			0.02	29.03	29.97	2.3	18	3.4	30	19	17	19	23		
24	87	67	77	2	68	70	0	12	RA FG BR		T	29.07	30.00	1.5	22	3.6	24	21	14	22	24			
25	90	70	80	5	68	71	0	15	RA BR			0.07	29.05	29.98	1.4	26	4.0	16	25	10	26	25		
26	89	68	79	4	66	70	0	14	RA		T	29.08	30.00	0.4	31	1.2	11	31	8	29	26			
27	90	69	80	4	68	71	0	15	RA BR			0.96	29.10	30.03	0.7	08	1.5	26	13	15	09	27		
28	83	70	77	1	70	71	0	12	RA BR			0.72	29.18	30.14	1.0	23	1.5	24	26	15	26	28		
29	84	69	77	1	70	71	0	12	RA FG+ FG BR			0.33	29.21	30.14	0.4	21	1.0	23	28	16	26	29		
30	80	69	75	-1	69	71	0	10	RA			0.01	29.11	30.03	0.5	24	2.3	12	21	7	17	30		

86.0	66.7	76.3	☼	65.8	69.0	0.0	11.6	< MONTHLY AVERAGES   TOTALS >				5.59	29.07	30.00	0.9	22	2.4	< MONTHLY AVERAGES					
0.3	2.2	1.2		-----DEPARTURE FROM NORMAL ----->				1.31	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3														
<b>DEGREE DAYS</b>								GREATEST 24-HR PRECIPITATION : 1.56 DATE : 10-11				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY								GREATEST 24-HR SNOWFALL :				MAXIMUM :				30.21 29 0853							
SEASON TO DATE								GREATEST SNOW DEPTH :				MINIMUM :				29.71 05 0153							
TOTAL DEPARTURE				TOTAL DEPARTURE				NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 8				MINIMUM TEMP <= 32 : 0				PRECIPITATION >= 0.01 INCH : 15			
HEATING : 0 -2 3844 148				COOLING : 349 44 579 130				THUNDERSTORMS : 0				MAXIMUM TEMP <= 32 : 0				MINIMUM TEMP <= 0 : 0				PRECIPITATION >= 0.10 INCH : 9			
												HEAVY FOG : 4				SNOWFALL >= 1.0 INCH :							

JUNE 2014  
OAK RIDGE, TN

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)  
JUNE 2014

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	T	T	
04													04				T	0.02							04	0.05	0.05	
05	T	T	T										05		T	0.07	0.07	0.12		0.02					05	0.36	0.36	
06						0.01							06												06	0.01	0.01	
07							T						07												07	0.00	0.00	
08													08												08	0.00	0.00	
09													09												09	0.00	0.00	
10		0.02	0.07	0.03	T								10		T		0.01	0.53	0.13	0.03					10	0.82	0.82	
11	0.05		0.12	0.01	0.11	0.17							11	T	0.08	0.20	0.13	0.12		T					11	0.99	0.99	
12													12	0.17	0.34		0.03	0.02							12	0.56	0.56	
13													13	0.10	T		0.08	0.04							13	0.23	0.23	
14													14												14	0.00	0.00	
15													15												15	0.00	0.00	
16													16												16	0.00	0.00	
17													17												17	0.00	0.00	
18													18												18	0.00	0.00	
19													19	T	T										19	T	T	
20													20			0.03	T								20	0.03	0.03	
21													21	0.37	0.03										21	0.43	0.43	
22													22												22	0.00	0.00	
23													23			T	T								23	0.02	0.02	
24													24												24	T	T	
25		0.01	T	T	T	0.06							25												25	0.07	0.07	
26													26												26	T	T	
27	T												27				0.35	0.61							27	0.96	0.96	
28						0.01							28			0.26	0.27	0.16	0.02						28	0.72	0.72	
29													29	0.29	T	T	0.03	0.01							29	0.33	0.33	
30													30	T	0.01	T									30	0.01	0.01	

\* 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)	0.29	0.42	0.56	0.71	0.90	0.95	0.96	0.96	0.96	0.96	0.96	0.96
Ending Date	10	27	27	27	27	27	27	27	27	27	27	27
Ending Time (Hr/Min)	1636	1612	1608	1612	1617	1625	1634	1634	1634	1634	1634	1634

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 2014

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

Date	VISIBILITY (MILES)	
	MINIMUM	MAXIMUM
01	10.00	10.00
02	10.00	10.00
03	10.00	10.00
04	6.00	10.00
05	1.50	10.00
06	6.00	10.00
07	10.00	10.00
08	10.00	10.00
09	10.00	10.00
10	1.00	10.00
11	1.25	10.00
12	4.00	10.00
13	0.25	10.00
14	9.00	10.00
15	10.00	10.00
16	6.00	10.00
17	8.00	10.00
18	4.00	10.00
19	10.00	10.00
20	0.25	10.00
21	5.00	10.00
22	0.50	10.00
23	7.00	10.00
24	0.50	10.00
25	5.00	10.00
26	10.00	10.00
27	0.75	10.00
28	0.75	10.00
29	0.25	10.00
30	10.00	10.00
<b>AVGS</b>	5.57	10.00
<b>MINIMUM VISIBILITY (MILES)</b>		
	<b>&lt;= .25</b>	<b>&lt;= 3.0</b> <b>&gt;= 7.0</b>
	3	10    13

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

JUNE 2014

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F					WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	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		
<b>SUNRISE: 0522 JUN 01</b>					<b>SUNSET: 1948</b>					<b>SUNRISE: 0520 JUN 07</b>					<b>SUNSET: 1951</b>												
01	SCT	050	10.00		73	66	68	79	3	VR	29.17	30.10	01	CLR	NC	10.00			69	61	64	76	0	00	28.99	29.91	
04	BKN	060	10.00		73	66	68	79	0	00	29.19	30.11	04	CLR	NC	10.00			65	61	63	87	0	00	29.01	29.94	
07	BKN	080	10.00		74	63	67	69	0	00	29.23	30.16	07	CLR	NC	10.00			65	61	63	87	0	00	29.06	29.99	
10	FEW	090	10.00		78	61	67	56	7	20	29.25	30.18	10	CLR	NC	10.00			76	58	65	54	3	VR	29.06	29.98	
13	BKN	095	10.00		81	62	69	53	6	22	29.24	30.17	13	CLR	NC	10.00			84	60	69	44	0	00	29.02	29.94	
16	BKN	075	10.00		81	63	69	54	5	VR	29.18	30.11	16	CLR	NC	10.00			87	62	71	43	5	28	28.97	29.89	
19	CLR	NC	10.00		78	60	67	54	3	VR	29.18	30.11	19	SCT	100	10.00			84	65	71	53	3	VR	28.95	29.88	
22	CLR	NC	10.00		73	59	64	62	0	00	29.23	30.16	22	CLR	NC	10.00			77	67	70	71	0	00	28.97	29.89	
<b>SUNRISE: 0521 JUN 02</b>					<b>SUNSET: 1948</b>					<b>SUNRISE: 0520 JUN 08</b>					<b>SUNSET: 1952</b>												
01	CLR	NC	10.00		67	59	62	76	3	20	29.24	30.18	01	CLR	NC	10.00			76	66	69	72	3	24	28.94	29.85	
04	CLR	NC	10.00		64	58	60	81	0	00	29.24	30.18	04	CLR	NC	10.00			72	62	66	71	0	00	28.92	29.84	
07	CLR	NC	10.00		68	58	62	70	0	00	29.26	30.20	07	OVC	070	10.00			72	64	67	76	8	24	28.97	29.89	
10													10	OVC	029	10.00			74	65	68	74	5	VR	28.98	29.90	
13	FEW	090	10.00		82	58	67	44	10	19	29.23	30.16	13	OVC	060	10.00			80	63	69	56	11	26	28.99	29.91	
16	CLR	NC	10.00		84	61	69	46	5	VR	29.16	30.10	16	SCT	055	10.00			85	61	69	45	8	27	28.94	29.86	
19	CLR	NC	10.00		80	59	67	49	5	VR	29.14	30.08	19	CLR	NC	10.00			79	62	68	56	6	VR	28.95	29.87	
22	CLR	NC	10.00		74	59	65	60	0	00	29.17	30.11	22	CLR	NC	10.00			68	56	61	65	3	36	29.02	29.96	
<b>SUNRISE: 0521 JUN 03</b>					<b>SUNSET: 1949</b>					<b>SUNRISE: 0520 JUN 09</b>					<b>SUNSET: 1952</b>												
01	CLR	NC	10.00		69	59	63	70	0	00	29.17	30.11	01	CLR	NC	10.00			64	57	60	78	0	00	29.00	29.93	
04	CLR	NC	10.00		67	59	62	76	0	00	29.16	30.09	04	CLR	NC	10.00			61	57	59	87	0	00	28.99	29.92	
07	BKN	090	10.00		68	59	63	73	0	00	29.18	30.12	07	CLR	NC	10.00			62	58	60	86	0	00	29.01	29.94	
10	OVC	080	10.00		73	62	66	69	6	VR	29.17	30.11	10	BKN	080	10.00			71	59	64	66	0	00	29.01	29.95	
13	BKN	046	10.00		81	65	70	58	5	VR	29.13	30.06	13	SCT	100	10.00			78	63	68	60	5	VR	28.97	29.91	
16	BKN	075	10.00		82	66	71	58	3	13	29.09	30.01	16	OVC	045	10.00			78	63	68	60	8	24	28.95	29.88	
19	FEW	050	10.00		81	66	71	61	3	21	29.05	29.98	19	OVC	120	10.00			76	64	68	67	0	00	28.95	29.89	
22	CLR	NC	10.00		73	67	69	81	0	00	29.07	30.00	22	FEW	038	10.00			72	66	68	82	0	00	28.97	29.91	
<b>SUNRISE: 0521 JUN 04</b>					<b>SUNSET: 1949</b>					<b>SUNRISE: 0520 JUN 10</b>					<b>SUNSET: 1953</b>												
01	CLR	NC	10.00		71	67	68	87	0	00	29.04	29.96	01	BKN	100	10.00			70	66	67	87	0	00	28.98	29.91	
04	CLR	NC	10.00		68	66	67	93	0	00	29.02	29.95	04	SCT	110	10.00	-RA		67	64	65	91	0	00	28.96	29.89	
07	OVC	005	8.00		70	67	68	90	0	00	29.04	29.96	07	BKN	110	10.00			67	64	65	91	3	VR	28.99	29.92	
10	SCT	015	10.00		78	68	71	71	7	VR	29.05	29.97	10	OVC	018	10.00			74	66	69	76	5	VR	29.01	29.94	
13	SCT	035	10.00		85	67	73	55	5	VR	28.94	29.86	13	BKN	060	10.00			82	68	73	63	7	VR	28.97	29.90	
16	FEW	095	10.00		87	68	74	53	7	VR	28.88	29.80	16	FEW	095	10.00			84	68	73	59	7	21	28.92	29.84	
19	CLR	NC	10.00		83	66	72	57	6	VR	28.88	29.80	19	SCT	110	10.00			68	66	67	93	0	00	28.96	29.90	
22	OVC	080	6.00	RA	75	70	72	84	5	VR	28.91	29.83	22	CLR	NC	10.00			66	65	65	96	0	00	28.95	29.89	
<b>SUNRISE: 0521 JUN 05</b>					<b>SUNSET: 1950</b>					<b>SUNRISE: 0520 JUN 11</b>					<b>SUNSET: 1953</b>												
01	BKN	110	10.00	-RA	74	70	71	88	11	20	28.84	29.75	01	BKN	050	10.00			66	65	65	96	0	00	28.95	29.88	
04	CLR	NC	10.00		74	60	65	62	3	VR	28.87	29.78	04	BKN	002	9.00			66	65	65	96	0	00	28.92	29.84	
07	BKN	085	10.00		71	63	66	76	0	00	28.89	29.81	07	OVC	060	10.00	-RA		67	65	66	93	0	00	28.94	29.88	
10	OVC	070	10.00		75	66	69	74	5	VR	28.90	29.82	10	OVC	110	10.00			73	66	68	79	9	20	28.94	29.87	
13	OVC	027	10.00		75	65	69	71	6	VR	28.95	29.88	13	BKN	033	10.00			78	66	70	67	6	VR	28.90	29.83	
16	BKN	060	10.00		74	69	71	85	3	24	28.95	29.88	16	OVC	100	10.00			72	69	70	91	0	00	28.86	29.80	
19	OVC	060	10.00		72	70	71	94	0	00	28.92	29.85	19	BKN	070	10.00			74	68	70	82	0	00	28.86	29.79	
22	FEW	027	10.00		70	69	69	97	0	00	28.95	29.88	22	BKN	037	1.25	BR		70	69	69	97	0	00	28.90	29.83	
<b>SUNRISE: 0520 JUN 06</b>					<b>SUNSET: 1951</b>					<b>SUNRISE: 0520 JUN 12</b>					<b>SUNSET: 1954</b>												
01	BKN	003	9.00		69	67	68	93	0	00	28.97	29.91	01	FEW	085	10.00			68	66	67	93	0	00	28.91	29.83	
04	OVC	019	9.00		69	66	67	90	0	00	28.97	29.90	04	CLR	NC	10.00			66	64	65	93	0	00	28.90	29.83	
07	OVC	022	9.00		69	67	68	93	0	00	29.01	29.95	07	OVC	070	10.00			68	65	66	90	0	00	28.94	29.88	
10	CLR	NC	10.00		75	66	69	74	3	VR	29.00	29.93	10	OVC	080	10.00			72	66	68	82	0	00	28.97	29.91	
13	OVC	090	10.00		80	66	71	62	0	00	28.99	29.92	13	OVC	065	8.00	-RA		71	67	68	87	3	29	28.97	29.90	
16	OVC	047	10.00		81	66	71	61	6	36	28.96	29.88	16	BKN	095	4.00	RA		72	64	67	76	3	30	28.92	29.85	
19	BKN	080	10.00		79	65	70	62	3	36	28.98	29.91	19	CLR	NC	10.00			71	66	68	84	0	00	28.91	29.85	
22	CLR	NC	10.00		72	66	68	82	0	00	29.00	29.93	22	OVC	100	10.00			68	64	65	87	0	00	28.95	29.89	

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

JUNE 2014

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)																																																																																																																								
					DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)		STATION	SEA LEVEL						DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)		STATION	SEA LEVEL																																																																																																																							
																								DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL																																																																																																																	
<b>SUNRISE: 0520</b>					<b>JUN 13</b>				<b>SUNSET: 1954</b>				<b>SUNRISE: 0520</b>					<b>JUN 19</b>				<b>SUNSET: 1956</b>																																																																																																																								
01	VV	002	0.50	FG	65	64	64	97	0	00	28.94	29.88	01	CLR	NC	10.00		73	67	69	81	0	00	29.16	30.09	04	CLR	NC	10.00		71	66	68	84	0	00	29.16	30.08	07	OVC	002	2.00	BR	65	64	64	97	0	00	28.98	29.92	10	OVC	008	10.00		71	66	68	84	0	00	28.98	29.92	13	OVC	110	10.00	-RA	68	66	67	93	3	09	28.98	29.92	16	OVC	065	1.50	+RA BR	69	65	66	87	6	20	28.97	29.91	19	SCT	070	10.00		73	66	68	79	3	VR	28.98	29.91	22	OVC	002	4.00	BR	67	66	66	97	0	00	29.02	29.96																										
<b>SUNRISE: 0520</b>					<b>JUN 14</b>				<b>SUNSET: 1954</b>				<b>SUNRISE: 0520</b>					<b>JUN 20</b>				<b>SUNSET: 1956</b>																																																																																																																								
01	CLR	NC	9.00		64	63	63	96	0	00	29.05	30.00	01	CLR	NC	10.00		72	67	69	84	3	27	29.13	30.06	04	BKN	055	10.00		63	59	61	87	0	00	29.05	30.00	04	CLR	NC	10.00		65	59	61	81	0	00	29.10	30.04	07	CLR	NC	10.00		74	58	64	57	3	VR	29.10	30.05	10	CLR	NC	10.00		81	61	68	51	6	VR	29.10	30.04	13	CLR	NC	10.00		84	54	66	36	3	VR	29.07	30.00	16	CLR	NC	10.00		79	58	66	49	0	00	29.06	30.00	19	CLR	NC	10.00		69	60	64	73	0	00	29.10	30.03	22	CLR	NC	10.00		69	60	64	73	0	00	29.10	30.03													
<b>SUNRISE: 0520</b>					<b>JUN 15</b>				<b>SUNSET: 1955</b>				<b>SUNRISE: 0521</b>					<b>JUN 21</b>				<b>SUNSET: 1957</b>																																																																																																																								
01	FEW	065	10.00		65	59	61	81	0	00	29.10	30.04	01	CLR	NC	10.00		74	70	71	88	3	19	29.03	29.94	04	FEW	042	10.00		63	59	61	87	0	00	29.10	30.04	04	SCT	060	10.00		65	59	61	81	0	00	29.16	30.11	07	CLR	NC	10.00		78	60	67	54	0	00	29.19	30.13	10	CLR	NC	10.00		87	66	73	50	3	VR	29.15	30.09	13	SCT	042	10.00		88	66	73	48	5	VR	29.13	30.05	16	FEW	100	10.00		84	68	73	59	7	17	29.10	30.04	19	CLR	NC	10.00		77	68	71	74	0	00	29.17	30.10	22	BKN	060	10.00		77	68	71	74	0	00	29.17	30.10													
<b>SUNRISE: 0520</b>					<b>JUN 16</b>				<b>SUNSET: 1955</b>				<b>SUNRISE: 0521</b>					<b>JUN 22</b>				<b>SUNSET: 1957</b>																																																																																																																								
01	OVC	110	10.00		73	68	70	84	0	00	29.18	30.11	01	OVC	005	10.00		71	68	69	90	0	00	28.97	29.91	04	CLR	NC	7.00		70	67	68	90	0	00	29.20	30.13	04	VV	002	0.75	BR	72	67	69	84	0	00	29.24	30.17	07	CLR	NC	10.00		83	69	73	63	0	00	29.25	30.17	07	VV	002	0.75	BR	89	64	72	43	0	00	29.22	30.14	10	CLR	NC	10.00		91	61	71	37	3	VR	29.16	30.08	13	CLR	NC	10.00		88	65	73	46	3	21	29.16	30.09	16	CLR	NC	10.00		80	67	71	64	0	00	29.18	30.10	19	CLR	NC	10.00		80	67	71	64	0	00	29.18	30.10	22	CLR	NC	10.00		80	67	71	64	0	00	29.18	30.10
<b>SUNRISE: 0520</b>					<b>JUN 17</b>				<b>SUNSET: 1956</b>				<b>SUNRISE: 0521</b>					<b>JUN 23</b>				<b>SUNSET: 1957</b>																																																																																																																								
01	CLR	NC	10.00		74	68	70	82	0	00	29.17	30.09	01	CLR	NC	10.00		70	67	68	90	0	00	28.98	29.90	04	FEW	047	10.00		72	68	69	87	0	00	29.17	30.10	04	CLR	NC	10.00		69	66	67	90	0	00	28.99	29.91	07	CLR	NC	10.00		74	68	70	82	0	00	29.24	30.16	07	VV	002	0.75	BR	83	68	73	61	5	22	29.24	30.17	10	CLR	NC	10.00		89	66	73	47	7	20	29.21	30.13	13	CLR	NC	10.00		92	66	74	43	8	27	29.14	30.06	16	CLR	NC	10.00		87	67	73	51	3	23	29.13	30.06	19	FEW	050	10.00		78	70	73	76	0	00	29.17	30.09	22	CLR	NC	10.00		78	70	73	76	0	00	29.17	30.09
<b>SUNRISE: 0520</b>					<b>JUN 18</b>				<b>SUNSET: 1956</b>				<b>SUNRISE: 0521</b>					<b>JUN 24</b>				<b>SUNSET: 1957</b>																																																																																																																								
01	CLR	NC	10.00		74	70	71	88	0	00	29.17	30.09	01	SCT	065	6.00	BR	70	68	69	93	0	00	29.09	30.00	04	CLR	NC	10.00		73	69	70	87	0	00	29.16	30.09	04	SCT	037	8.00		68	67	67	96	3	07	29.10	30.02	07	CLR	NC	7.00		73	69	70	87	0	00	29.19	30.11	07	CLR	NC	10.00		85	70	75	61	5	VR	29.21	30.13	10	CLR	NC	10.00		85	65	72	51	11	30	29.19	30.11	13	BKN	022	10.00		90	66	74	45	0	00	29.13	30.05	16	SCT	055	10.00		87	70	75	57	7	18	29.13	30.05	19	BKN	047	10.00		77	67	70	71	3	26	29.18	30.10	22	CLR	NC	10.00		77	67	70	71	3	26	29.18	30.10

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

JUNE 2014

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
<b>SUNRISE: 0522      JUN 25      SUNSET: 1957</b>					71	66	68	84	3	VR	29.05	29.97
01	OVC	019	10.00		71	66	68	84	3	VR	29.05	29.97
04	OVC	014	10.00		71	68	69	90	0	00	29.01	29.93
07	OVC	040	10.00		71	69	70	94	6	VR	29.06	29.98
10	FEW	060	10.00		79	70	73	74	5	VR	29.10	30.02
13	FEW	050	10.00		86	66	73	51	8	27	29.07	29.98
16	BKN	060	10.00		86	67	73	53	5	VR	29.03	29.95
19	OVC	110	10.00		81	66	71	61	6	VR	29.03	29.96
22	FEW	100	10.00		76	67	70	74	0	00	29.10	30.02
<b>SUNRISE: 0522      JUN 26      SUNSET: 1958</b>					72	67	69	84	0	00	29.10	30.03
01	CLR	NC	10.00		72	67	69	84	0	00	29.10	30.03
04	CLR	NC	10.00		69	66	67	90	0	00	29.10	30.03
07	CLR	NC	10.00		71	66	68	84	0	00	29.12	30.04
10	FEW	032	10.00		82	67	72	60	0	00	29.13	30.04
13	FEW	045	10.00		87	64	72	46	0	00	29.09	30.01
16	FEW	120	10.00		86	65	72	49	3	VR	29.04	29.96
19	SCT	120	10.00		81	66	71	61	0	00	29.03	29.96
22	CLR	NC	10.00		76	68	71	77	0	00	29.06	29.98
<b>SUNRISE: 0522      JUN 27      SUNSET: 1958</b>					73	70	71	90	0	00	29.08	29.99
01	FEW	110	9.00		73	70	71	90	0	00	29.08	29.99
04	CLR	NC	9.00		72	69	70	91	0	00	29.07	29.98
07	CLR	NC	10.00		73	68	70	84	0	00	29.10	30.03
10	CLR	NC	10.00		81	67	72	62	6	09	29.13	30.06
13	FEW	036	10.00		86	68	74	55	3	VR	29.12	30.03
16	OVC	047	0.75	+RA	70	65	67	84	8	11	29.12	30.06
19	CLR	NC	10.00		74	70	71	88	0	00	29.12	30.05
22	FEW	110	7.00		71	69	70	94	0	00	29.14	30.07
<b>SUNRISE: 0523      JUN 28      SUNSET: 1958</b>					71	69	70	94	0	00	29.16	30.09
01	OVC	090	7.00		71	69	70	94	0	00	29.16	30.09
04	BKN	065	8.00		71	69	70	94	0	00	29.15	30.10
07	OVC	085	8.00		73	70	71	90	0	00	29.19	30.13
10	OVC	110	8.00	-RA	76	70	72	82	3	25	29.23	30.17
13	SCT	070	10.00		83	69	73	63	3	16	29.21	30.14
16	FEW	090	10.00		77	70	72	79	0	00	29.20	30.14
19	CLR	NC	10.00		75	71	72	88	0	00	29.19	30.13
22	FEW	002	10.00		71	70	70	96	0	00	29.23	30.17
<b>SUNRISE: 0523      JUN 29      SUNSET: 1958</b>					71	70	70	96	0	00	29.24	30.17
01	SCT	120	10.00		71	70	70	96	0	00	29.24	30.17
04	VV	002	0.50	FG	69	68	68	96	0	00	29.20	30.14
07	VV	002	0.50	FG	70	69	69	97	0	00	29.24	30.19
10	BKN	015	10.00		78	71	73	79	0	00	29.25	30.18
13	BKN	120	5.00	-RA BR	72	70	71	94	3	20	29.23	30.17
16	BKN	110	6.00	-RA BR	72	70	71	94	3	VR	29.20	30.15
19	CLR	NC	10.00		74	68	70	82	0	00	29.15	30.09
22	BKN	065	10.00		72	69	70	91	0	00	29.17	30.11
<b>SUNRISE: 0523      JUN 30      SUNSET: 1958</b>					70	68	69	93	0	00	29.14	30.08
01	SCT	015	10.00		70	68	69	93	0	00	29.14	30.08
04	OVC	005	10.00		70	68	69	93	7	VR	29.13	30.08
07	OVC	022	10.00		71	67	68	87	0	00	29.16	30.09
10	OVC	010	10.00		74	68	70	82	3	VR	29.13	30.07
13	OVC	009	10.00	-RA	73	70	71	90	5	VR	29.13	30.07
16	OVC	011	10.00		77	70	72	79	5	VR	29.06	29.99
19	CLR	NC	10.00		79	71	74	77	0	00	29.03	29.95
22	CLR	NC	10.00		73	71	72	94	0	00	29.04	29.97

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

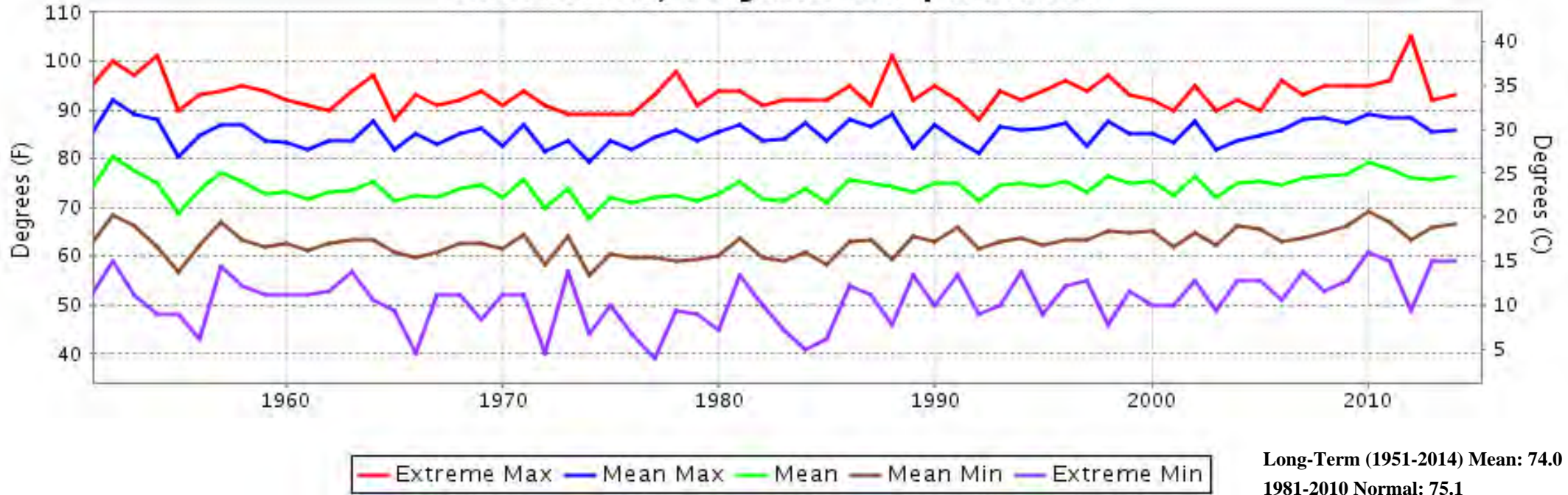
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.

& = Original observation contained additional weather elements.  
See page 3 for additional notes.

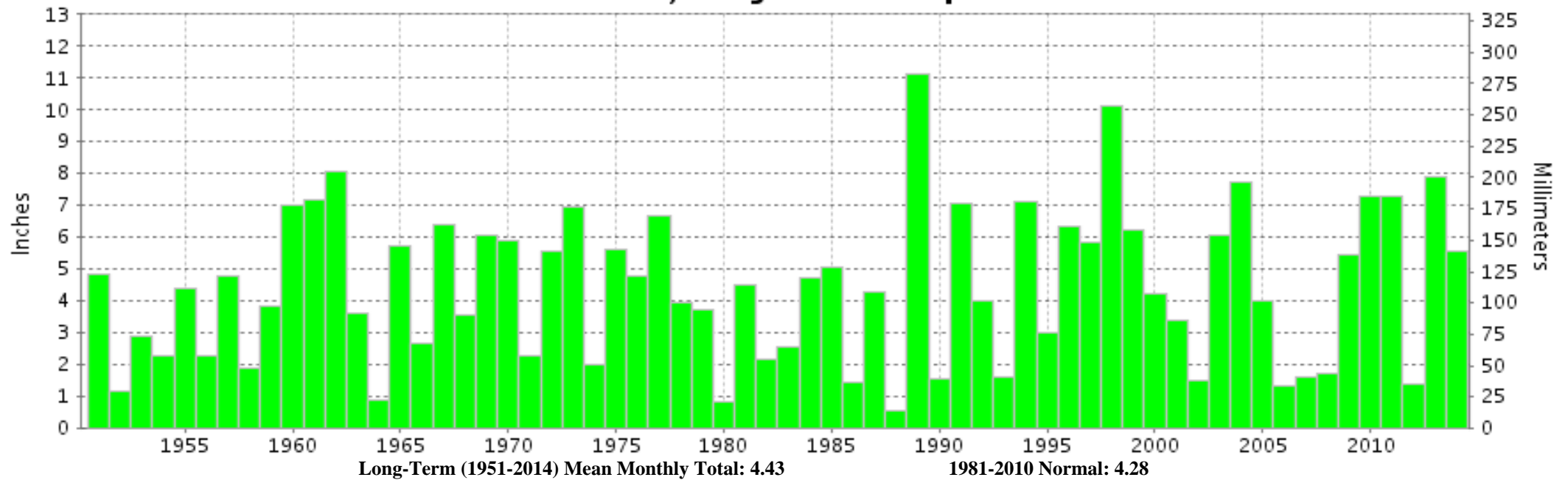
## SUMMARY BY HOUR

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	70	66	67	86	29.06	29.99	9.35	1	2	24
02	70	65	67	87	29.06	29.99	9.25	1	3	25
03	69	65	66	87	29.06	29.99	9.12	1	xx	xx
04	69	65	66	88	29.06	29.99	8.73	0	xx	xx
05	68	65	66	90	29.07	30.00	8.19	1	1	22
06	68	65	66	90	29.08	30.01	7.26	1	xx	xx
07	70	65	67	86	29.10	30.03	8.52	1	xx	xx
08	72	65	68	80	29.11	30.04	9.33	2	2	25
09	75	66	69	73	29.11	30.04	9.97	3	1	25
10	78	66	70	69	29.10	30.03	9.93	4	1	25
11	80	66	71	64	29.10	30.03	9.87	4	2	26
12	81	66	71	62	29.09	30.02	9.83	5	2	26
13	81	66	71	60	29.08	30.01	9.67	5	4	26
14	82	66	71	60	29.07	29.99	10.00	4	3	26
15	82	66	71	61	29.05	29.98	9.04	5	4	26
16	81	66	71	62	29.04	29.97	9.08	4	2	26
17	81	66	71	63	29.04	29.97	9.37	4	3	26
18	81	66	71	63	29.03	29.96	9.77	4	2	26
19	79	66	71	66	29.03	29.96	10.00	2	1	22
20	77	67	70	72	29.04	29.97	10.00	2	3	26
21	75	67	69	78	29.05	29.98	9.87	1	2	26
22	73	67	69	82	29.07	30.00	9.28	1	xx	xx
23	72	67	69	84	29.07	30.00	9.36	1	1	23
24	71	66	68	86	29.07	30.00	9.50	1	1	22

## OAK RIDGE, TN JUNE Temperatures



## OAK RIDGE, TN JUNE Precipitation







**JUNE 2014  
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**

NCDC now offers free online access to the **Edited Local Climatological Data Publication**. Go to : [www.ncdc.noaa.gov](http://www.ncdc.noaa.gov) and choose Most Popular.

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NOAA\National Climatic Data Center  
Attn: User Engagement & Services Branch  
151 Patton Avenue  
Asheville, NC 28801-5001