



# APRIL 2012 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	75	52	64	11	57	59	1	0	RA FG+ FG BR			0.03	28.90	29.84	0.3	10	1.2	24	01	14	36	01		
02	87*	57	72	18	60	64	0	7	RA BR			0.07	28.87	29.82	1.0	21	2.6	16	18	12	19	02		
03	84	59	72	18	61	63	0	7	RA FG+ FG BR			0.08	28.97	29.91	0.5	05	1.6	20	33	14	33	03		
04	82	57	70	16	59	62	0	5	RA FG+ BR			0.13	28.87	29.79	0.7	18	1.8	16	20	12	21	04		
05	78	52	65	11	58	60	0	0	RA FG+ FG BR			1.42	28.76	29.71	0.5	06	2.2	18	36	10	06	05		
06	69	49	59	4	37	48	6	0	RA			0.02	28.99	29.99	2.9	05	4.6	20	08	13	07	06		
07	73	39	56	1	37	47	9	0				0.00	29.23	30.21	0.0	25	1.1	12	14	9	14	07		
08	77	45	61	6	40	50	4	0				0.00	29.19	30.16	1.3	35	2.3		8		33	08		
09	74	41	58	3	35	47	7	0				0.00	29.11	30.08	1.8	27	3.1	24	28	14	28	09		
10	69	42	56	0	32	46	9	0				0.00	29.05	30.02	3.8	27	4.6	28	27	15	26	10		
11	60	36	48	-8	26	39	17	0				0.00	29.15	30.15	1.2	34	3.3	20	02	12	33	11		
12	63	32*	48*	-8	30	40	17	0				0.00	29.24	30.24	0.5	06	1.9	14	01	9	06	12		
13	70	36	53	-3	34	44	12	0				0.00	29.23	30.22	0.2	13	1.0	12	10	8	08	13		
14	78	46	62	5	45	53	3	0				0.00	29.23	30.19	2.2	22	3.5	21	27	14	18	14		
15	81	51	66	9	51	58	0	1				0.00	29.16	30.10	3.7	22	4.2	30	20	16	20	15		
16	78	61	70	13	61	64	0	5	RA FG BR			0.44	29.15	30.10	3.5	22	4.7	29	18	18	19	16		
17	69	58	64	6	52	57	1	0	RA BR			T	29.24	30.20	1.4	06	3.0	16	05	10	06	17		
18	65	52	59	1	51	54	6	0	RA			0.10	29.14	30.10	0.8	08	1.6	12	15	8	07	18		
19	75	49	62	4	50	54	3	0	FG+ FG BR			0.00	29.08	30.03	0.5	08	1.5	12	07	7	06	19		
20	75	53	64	6	54	58	1	0				0.00	28.95	29.89	2.1	19	2.8	16	18	12	16	20		
21	68	52	60	1	53	56	5	0				0.00	28.87	29.81	1.6	36	3.4			8	35	21		
22	55	45	50	-9	38	45	15	0				0.00	28.83	29.80	1.8	35	2.8		36	13	35	22		
23	60	43	52	-7	24	40	13	0				0.00	28.85		3.6	32	6.4	26	32	15	28	23		
24	65	41	53	-7	37	45	12	0	RA			0.01	28.90	29.87	3.1	27	4.5	31*	31	18*	27	24		
25	79	49	64	4	54	58	1	0	RA BR			0.08	28.89	29.84	1.0	20	1.7	20	17	12	21	25		
26	72	58	65	5	61	62	0	0	RA BR			0.72	28.89	29.84	1.5	23	2.5	28	32	17	32	26		
27	76	57	67	7	51	58	0	2				0.00	29.07	30.03	1.0	07	2.3	15	08	10	07	27		
28	83	55	69	8	55	60	0	4				0.00	29.08	30.04	0.9	21	2.2	20	21	13	20	28		
29	85	58	72	11	59	64	0	7				0.00	29.15	30.09	0.6	14	1.5	10	20	7	14	29		
30	86	59	73*	12	59	65	0	8	FG+ FG BR			0.00	29.13	30.07	1.9	22	2.7	20	19	14	19	30		

73.7	49.5	61.6	☼	47.4	54.0	4.7	1.5	< MONTHLY AVERAGES   TOTALS >				3.10	29.04	30.00	0.5	26	2.8	< MONTHLY AVERAGES					
3.1	2.6	2.8		-----DEPARTURE FROM NORMAL ----->										-1.08	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3								
<b>DEGREE DAYS</b>						GREATEST 24-HR PRECIPITATION : 1.44 DATE : 05-06						SEA LEVEL PRESSURE											
MONTHLY						GREATEST 24-HR SNOWFALL : DATE :						MAXIMUM : 30.32 12 0930											
TOTAL DEPARTURE						GREATEST SNOW DEPTH : DATE :						MINIMUM : 29.65 05 1708											
SEASON TO DATE						NUMBER OF -> DAYS WITH						PRECIPITATION >= 0.01 INCH: 11											
HEATING : 142 -73 2807 -1100						MAXIMUM TEMP >= 90 : 0						MINIMUM TEMP <= 32 : 1											
COOLING : 46 19 90 69						MAXIMUM TEMP <= 32 : 0						MINIMUM TEMP <= 0 : 0											
						THUNDERSTORMS : 0						HEAVY FOG : 6											
												PRECIPITATION >= 0.10 INCH: 5											
												SNOWFALL >= 1.0 INCH :											

APRIL 2012  
OAK RIDGE, TN

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)  
APRIL 2012

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			0.02	0.01								01	0.03	0.03	
02													02				0.07	T							02	0.07	0.07	
03													03		T	0.01					0.06	0.01			03	0.08	0.08	
04													04												04	0.13	0.13	
05			T	T									05			0.22	0.08	0.06	0.03		0.13	T		0.06	0.01	0.13	0.13	
06	0.02	T											06												06	1.42	1.42	
07													07												07	0.02	0.02	
08													08												08	0.00	0.00	
09													09												09	0.00	0.00	
10													10												10	0.00	0.00	
11													11												11	0.00	0.00	
12													12												12	0.00	0.00	
13													13												13	0.00	0.00	
14													14												14	0.00	0.00	
15													15												15	0.00	0.00	
16													16	0.30						0.01	0.13				16	0.44	0.44	
17													17				T	T							17	T	T	
18	T	0.01	0.01	0.03	0.03	0.02	T	T	T	T			18												18	0.10	0.10	
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												23	0.00	0.00	
24													24		T				T	T	T	T	T	0.01	24	0.01	0.01	
25	0.01	0.02	T	0.01									25			0.04	T								25	0.08	0.08	
26							0.44	0.09	0.07	0.01	T	0.11	26	T		T	T								26	0.72	0.72	
27													27												27	0.00	0.00	
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)	0.16	0.23	0.29	0.32	0.38	0.43	0.45	0.46	0.50	0.60	0.66	0.76
Ending Date	26	05	26	26	26	26	26	26	26	26	05	05
Ending Time (Hr/Min)	0615	1500	0624	0630	0640	0654	0703	0730	0741	0807	2227	2246

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 1981-2010

## 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 APRIL 2012

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							0.00	10.00	
02							6.00	10.00	
03							0.25	10.00	
04							0.25	10.00	
05							0.25	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							8.00	10.00	
17							5.00	10.00	
18							8.00	10.00	
19							0.25	10.00	
20							10.00	10.00	
21							7.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							9.00	10.00	
25							2.00	10.00	
26							4.00	10.00	
27							6.00	10.00	
28							10.00	10.00	
29							10.00	10.00	
30							0.25	10.00	
MONTHLY AVGS							6.88	10.00	
<b>SUNSHINE (Minutes)</b>									
Total : 0					Possible :				
Percent Possible :									
<b>NUMBER OF DAYS WITH :</b>									
SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
<b>MINIMUM VISIBILITY (MILES)</b>									
<= .25			<= 3.0			>= 7.0			
6			7			19			

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

APRIL 2012

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)								
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)				STATION	SEA LEVEL		Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL			
																												Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)
<b>SUNRISE: 0624 APR 01</b>						<b>SUNSET: 1859</b>						<b>SUNRISE: 0615 APR 07</b>						<b>SUNSET: 1903</b>												
01	VV	002			0.25	FG	55	54	54	96	0	00	28.93	29.88	01	CLR	NC			10.00			47	36	42	66	0	00	29.19	30.17
04	VV	001			0.25	FG	54	53	53	96	0	00	28.91	29.86	04	CLR	NC			10.00			43	36	40	76	0	00	29.22	30.19
07	VV	001			0.00	FG	53	52	52	96	0	00	28.94	29.89	07	CLR	NC			10.00			41	37	39	86	0	00	29.27	30.26
10	FEW	004			10.00		61	56	58	84	0	00	28.94	29.90	10	CLR	NC			10.00			58	32	46	37	3	VR	29.31	30.28
13	CLR	NC			10.00		74	58	64	58	5	17	28.90	29.84	13	CLR	NC			10.00			67	33	51	28	0	00	29.27	30.24
16	CLR	NC			10.00		71	62	65	73	7	01	28.86	29.81	16	CLR	NC			10.00			72	34	53	25	5	VR	29.19	30.16
19	CLR	NC			10.00		69	59	63	71	0	00	28.83	29.78	19	CLR	NC			10.00			66	37	52	34	0	00	29.20	30.19
22	CLR	NC			10.00		61	59	60	93	0	00	28.83	29.79	22	CLR	NC			10.00			54	45	49	72	0	00	29.23	30.20
<b>SUNRISE: 0622 APR 02</b>						<b>SUNSET: 1859</b>						<b>SUNRISE: 0614 APR 08</b>						<b>SUNSET: 1904</b>												
01	BKN	065			7.00		58	57	57	97	0	00	28.83	29.78	01	CLR	NC			10.00			49	44	47	83	0	00	29.21	30.19
04	FEW	065			9.00		58	56	57	93	0	00	28.82	29.77	04	CLR	NC			10.00			45	42	44	89	0	00	29.21	30.18
07	SCT	080			8.00		61	58	59	90	5	VR	28.88	29.83	07	OVC	110			10.00			47	44	46	89	0	00	29.24	30.22
10	CLR	NC			10.00		76	63	68	64	6	VR	28.90	29.84	10	BKN	100			10.00			63	42	52	46	3	25	29.23	30.20
13	BKN	085			10.00		84	62	70	48	5	VR	28.88	29.81	13	SCT	080			10.00			73	41	56	32	0	00	29.17	30.14
16	BKN	090			10.00		83	60	68	46	6	15	28.84	29.78	16	OVC	070			10.00			73	43	57	34	6	35	29.14	30.11
19	SCT	110			10.00		71	63	66	76	3	07	28.90	29.84	19	CLR	NC			10.00			67	35	51	31	6	35	29.14	30.11
22	BKN	090			10.00		66	63	64	90	0	00	28.96	29.89	22	CLR	NC			10.00			60	27	45	28	3	35	29.17	30.13
<b>SUNRISE: 0621 APR 03</b>						<b>SUNSET: 1900</b>						<b>SUNRISE: 0612 APR 09</b>						<b>SUNSET: 1904</b>												
01	CLR	NC			5.00	BR	63	61	62	93	0	00	28.96	29.88	01	CLR	NC			10.00			49	36	43	61	0	00	29.17	30.14
04	VV	001			0.25	FG	61	60	60	97	0	00	28.95	29.88	04	CLR	NC			10.00			43	38	41	83	0	00	29.17	30.14
07	OVC	002			2.00	BR	60	59	59	97	0	00	29.01	29.96	07	CLR	NC			10.00			43	38	41	83	0	00	29.17	30.15
10	CLR	NC			10.00		71	63	66	76	0	00	29.02	29.96	10	CLR	NC			10.00			62	34	49	35	5	VR	29.15	30.12
13	CLR	NC			10.00		82	63	70	53	3	VR	28.95	29.88	13	CLR	NC			10.00			71	29	51	21	9	26	29.10	30.07
16	CLR	NC			10.00		75	63	67	66	0	00	28.91	29.85	16	CLR	NC			10.00			72	29	51	20	9	26	29.05	30.01
19	SCT	060			10.00		70	58	63	66	6	VR	28.96	29.91	19	CLR	NC			10.00			68	33	51	27	6	26	29.03	30.00
22	FEW	017			10.00		62	60	61	93	3	08	29.00	29.94	22	CLR	NC			10.00			59	37	48	44	0	00	29.08	30.03
<b>SUNRISE: 0619 APR 04</b>						<b>SUNSET: 1900</b>						<b>SUNRISE: 0611 APR 10</b>						<b>SUNSET: 1905</b>												
01	CLR	NC			5.00	BR	60	58	59	93	0	00	28.95	29.89	01	CLR	NC			10.00			50	40	45	69	0	00	29.10	30.05
04	CLR	NC			6.00	BR	58	57	57	97	0	00	28.90	29.84	04	CLR	NC			10.00			44	39	42	83	0	00	29.07	30.03
07	VV	002			0.25	FG	57	56	56	96	0	00	28.92	29.87	07	CLR	NC			10.00			45	40	43	83	0	00	29.09	30.06
10	SCT	009			9.00		66	61	63	84	0	00	28.93	29.88	10	CLR	NC			10.00			63	37	50	38	6	VR	29.08	30.03
13	SCT	032			10.00		76	61	67	60	7	13	28.85	29.79	13	OVC	090			10.00			67	29	49	24	10	26	29.05	30.01
16	CLR	NC			10.00		81	58	67	46	6	VR	28.77	29.69	16	CLR	NC			10.00			68	29	50	23	10	25	28.98	29.94
19	OVC	100			1.00	+RA	68	58	62	71	3	VR	28.76	29.70	19	CLR	NC			10.00			63	22	45	21	7	28	28.99	29.96
22	BKN	100			9.00		64	62	63	93	0	00	28.77	29.72	22	CLR	NC			10.00			56	20	41	25	3	35	29.07	30.03
<b>SUNRISE: 0618 APR 05</b>						<b>SUNSET: 1901</b>						<b>SUNRISE: 0610 APR 11</b>						<b>SUNSET: 1906</b>												
01	CLR	NC			10.00		64	61	62	90	0	00	28.77	29.69	01	CLR	NC			10.00			49	21	38	33	3	30	29.10	30.08
04	FEW	003			6.00	BR	62	60	61	93	0	00	28.74	29.67	04	CLR	NC			10.00			40	29	36	65	0	00	29.10	30.08
07	VV	001			0.25	FG	60	59	59	97	0	00	28.79	29.74	07	CLR	NC			10.00			37	31	35	79	0	00	29.14	30.12
10	SCT	080			10.00		69	61	64	76	0	00	28.79	29.73	10	CLR	NC			10.00			52	26	41	37	6	VR	29.16	30.14
13	BKN	048			10.00		77	57	65	50	5	25	28.74	29.67	13	CLR	NC			10.00			57	24	43	28	7	VR	29.14	30.12
16	OVC	110			6.00	-RA BR	65	62	63	90	0	00	28.73	29.67	16	CLR	NC			10.00			58	23	43	26	10	34	29.15	30.14
19	OVC	065			5.00	RA BR	59	56	57	90	6	VR	28.74	29.70	19	CLR	NC			10.00			50	24	39	36	7	VR	29.20	30.20
22	OVC	070			4.00	RA BR	55	53	54	93	6	VR	28.83	29.78	22	CLR	NC			10.00			43	27	37	53	0	00	29.25	30.24
<b>SUNRISE: 0617 APR 06</b>						<b>SUNSET: 1902</b>						<b>SUNRISE: 0608 APR 12</b>						<b>SUNSET: 1907</b>												
01	OVC	095			10.00	-RA	51	48	49	90	3	06	28.85	29.80	01	CLR	NC			10.00			37	31	35	79	0	00	29.26	30.25
04	OVC	033			10.00		51	41	46	69	3	VR	28.88	29.84	04	CLR	NC			10.00			35	30	33	82	0	00	29.25	30.25
07	BKN	065			10.00		50	37	44	61	6	05	28.96	29.93	07	CLR	NC			10.00			35	32	34	89	0	00	29.32	30.32
10	CLR	NC			10.00		57	38	48	49	8	04	29.04	30.00	10	CLR	NC			10.00			50	28	41	43	6	05	29.31	30.31
13	CLR	NC			10.00		65	38	51	37	6	VR	29.06	30.02	13	CLR	NC			10.00			57	25	43	29	5	VR	29.27	30.27
16	CLR	NC			10.00		68	34	51	29	6	VR	29.05	30.01	16	CLR	NC			10.00			63	24	46	23	6	VR	29.18	30.17
19	CLR	NC			10.00		62	31	48	31	0	00	29.10	30.06	19	CLR	NC			10.00			59	27	45	29	0	00	29.16	30.16
22	CLR	NC			10.00		54	34	45	47	3	07	29.15	30.12	22	CLR	NC			10.00			46	36	42	68	0	00	29.20	30.19

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

APRIL 2012

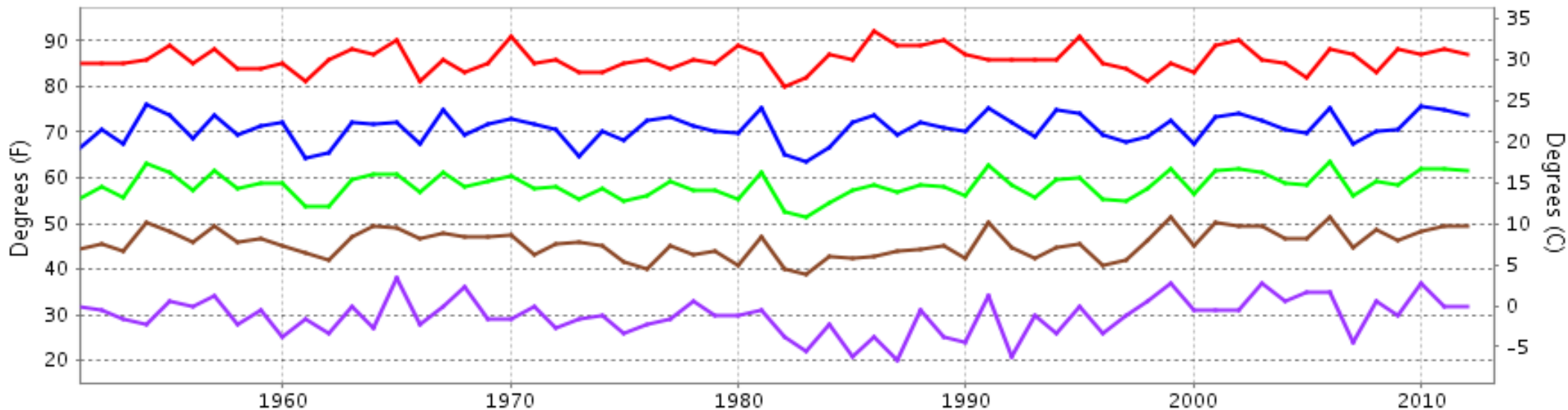
KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)							
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)				STATION	SEA LEVEL		Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL		
																												WEATHER	WEATHER
SUNRISE: 0607						APR 13						SUNSET: 1908																	
01	CLR	NC			10.00		40	35	38	82	0	00	29.20	30.19	01	VV	001			0.25	FG	51	50	50	96	0	00	29.13	30.09
04	CLR	NC			10.00		38	35	37	89	0	00	29.21	30.19	04	VV	002			0.50	FG	50	48	49	93	0	00	29.10	30.07
07	CLR	NC			10.00		38	35	37	89	0	00	29.27	30.26	07	VV	002			0.25	FG	50	49	49	96	0	00	29.13	30.11
10	CLR	NC			10.00		58	36	48	44	5	VR	29.27	30.25	10	OVC	006			10.00		55	51	53	86	3	VR	29.14	30.11
13	CLR	NC			10.00		66	30	49	26	3	VR	29.24	30.22	13	CLR	NC			10.00		70	49	58	47	6	VR	29.09	30.04
16	CLR	NC			10.00		68	26	49	21	3	18	29.22	30.20	16	CLR	NC			10.00		74	50	60	43	3	VR	29.00	29.96
19	CLR	NC			10.00		64	32	49	30	0	00	29.21	30.20	19	CLR	NC			10.00		71	50	59	48	0	00	28.99	29.95
22	CLR	NC			10.00		51	39	45	64	0	00	29.24	30.22	22	CLR	NC			10.00		58	52	55	81	0	00	29.01	29.98
SUNRISE: 0606						APR 14						SUNSET: 1909																	
01	CLR	NC			10.00		49	41	45	74	0	00	29.26	30.23	01	CLR	NC			10.00		55	52	53	90	3	22	29.00	29.95
04	CLR	NC			10.00		47	42	45	83	0	00	29.24	30.22	04	CLR	NC			10.00		54	51	52	90	0	00	28.96	29.91
07	SCT	110			10.00		48	44	46	86	0	00	29.29	30.26	07	OVC	041			10.00		56	53	54	90	0	00	29.00	29.95
10	BKN	110			10.00		64	43	53	47	5	VR	29.29	30.26	10	OVC	060			10.00		65	55	59	70	6	18	29.01	29.96
13	CLR	NC			10.00		73	46	58	38	9	23	29.24	30.20	13	OVC	070			10.00		70	54	61	57	7	VR	28.96	29.91
16	CLR	NC			10.00		77	48	60	36	8	22	29.15	30.12	16	SCT	080			10.00		74	53	62	48	9	15	28.89	29.83
19	CLR	NC			10.00		72	48	59	43	3	25	29.14	30.11	19	OVC	090			10.00		70	54	61	57	0	00	28.87	29.81
22	CLR	NC			10.00		67	46	56	47	3	21	29.17	30.13	22	CLR	NC			10.00		61	55	58	81	0	00	28.89	29.83
SUNRISE: 0604						APR 15						SUNSET: 1910																	
01	CLR	NC			10.00		62	45	53	54	0	00	29.16	30.11	01	BKN	080			10.00		59	56	57	90	0	00	28.89	29.84
04	CLR	NC			10.00		55	46	50	72	3	20	29.13	30.09	04	OVC	075			10.00		60	57	58	90	3	22	28.84	29.78
07	FEW	048			10.00		53	47	50	80	0	00	29.18	30.14	07	BKN	040			7.00		61	57	59	87	0	00	28.85	29.79
10	BKN	036			10.00		70	50	59	49	8	24	29.22	30.17	10	BKN	036			10.00		65	55	59	70	5	35	28.87	29.81
13	SCT	055			10.00		77	56	64	48	10	23	29.18	30.13	13	BKN	070			10.00		65	50	57	59	5	VR	28.86	29.81
16	SCT	060			10.00		80	53	64	39	13	23	29.13	30.08	16	OVC	100			10.00		65	52	58	63	8	35	28.83	29.78
19	BKN	065			10.00		77	53	63	43	6	VR	29.12	30.07	19	OVC	033			10.00		57	49	53	75	0	00	28.88	29.83
22	CLR	NC			10.00		65	55	59	70	0	00	29.13	30.08	22	OVC	024			10.00		54	47	50	77	3	36	28.90	29.85
SUNRISE: 0603						APR 16						SUNSET: 1910																	
01	OVC	080			10.00		65	56	60	73	0	00	29.12	30.06	01	OVC	038			10.00		52	46	49	80	0	00	28.86	29.82
04	SCT	065			10.00		68	57	61	68	3	VR	29.12	30.05	04	OVC	036			10.00		52	44	48	74	0	00	28.82	29.78
07	SCT	037			10.00		68	60	63	76	3	VR	29.15	30.09	07	OVC	028			10.00		51	41	46	69	0	00	28.82	29.79
10	OVC	029			10.00		72	61	65	68	8	21	29.17	30.12	10	OVC	034			10.00		52	37	45	57	6	VR	28.82	29.78
13	OVC	110			9.00	-RA	67	63	65	87	3	VR	29.18	30.13	13	OVC	039			10.00		53	38	46	57	7	VR	28.80	29.77
16	SCT	040			10.00		76	59	65	56	10	20	29.13	30.07	16	OVC	049			10.00		54	34	45	47	6	35	28.80	29.77
19	OVC	050			8.00	-RA	68	64	65	87	0	00	29.17	30.13	19	OVC	065			10.00		49	33	42	54	0	00	28.85	29.83
22	OVC	070			10.00		66	63	64	90	0	00	29.23	30.18	22	BKN	070			10.00		46	34	41	63	0	00	28.88	29.86
SUNRISE: 0602						APR 17						SUNSET: 1911																	
01	OVC	065			10.00		65	63	64	93	0	00	29.23	30.18	01	OVC	055			10.00		47	30	40	52	6	VR	28.84	29.82
04	FEW	110			10.00		61	58	59	90	0	00	29.24	30.19	04	BKN	055			10.00		44	28	37	53	11	34	28.82	29.80
07	BKN	110			10.00		59	54	56	84	3	07	29.27	30.23	07	OVC	070			10.00		44	28	37	53	7	VR	28.85	29.83
10	OVC	100			10.00		62	52	56	70	3	VR	29.28	30.24	10	BKN	080			10.00		50	27	40	41	3	VR	28.87	29.85
13	OVC	095			10.00		67	52	58	59	5	VR	29.26	30.21	13	FEW	070			10.00		55	22	41	28	8	31	28.85	29.83
16	BKN	085			10.00		67	51	58	57	7	VR	29.21	30.17	16	FEW	090			10.00		60	17	43	19	8	32	28.84	29.81
19	BKN	100			10.00		61	45	53	56	6	06	29.23	30.20	19	BKN	090			10.00		55	20	41	25	5	VR	28.87	29.84
22	BKN	100			10.00		58	46	52	65	5	06	29.20	30.16	22	SCT	095			10.00		49	24	39	38	0	00	28.90	29.87
SUNRISE: 0600						APR 18						SUNSET: 1912																	
01	OVC	090			10.00		58	46	52	65	0	00	29.16	30.12	01	BKN	090			10.00		46	27	38	48	0	00	28.87	29.84
04	OVC	048			8.00	-RA	54	49	51	83	0	00	29.16	30.12	04	BKN	090			10.00		42	32	38	68	0	00	28.88	29.85
07	OVC	030			10.00	-RA	52	49	50	90	0	00	29.17	30.14	07	FEW	090			10.00		41	34	38	76	0	00	28.91	29.89
10	OVC	018			10.00		56	50	53	80	5	01	29.16	30.13	10	CLR	NC			10.00		56	36	47	47	9	20	28.92	29.89
13	OVC	020			10.00		61	52	56	72	0	00	29.13	30.10	13	BKN	090			10.00		62	32	48	32	13	28	28.90	29.87
16	OVC	090			10.00		63	53	57	70	3	VR	29.10	30.06	16	SCT	080			10.00		64	36	50	36	14	28	28.88	29.85
19	CLR	NC			10.00		61	53	57	75	0	00	29.10	30.07	19	OVC	060			10.00	-RA	57	42	49	57	3	VR	28.92	29.90
22	CLR	NC			10.00		54	51	52	90	0	00	29.13	30.10	22	OVC	080			10.00	-RA	54	45	49	72	0	00	28.92	29.88



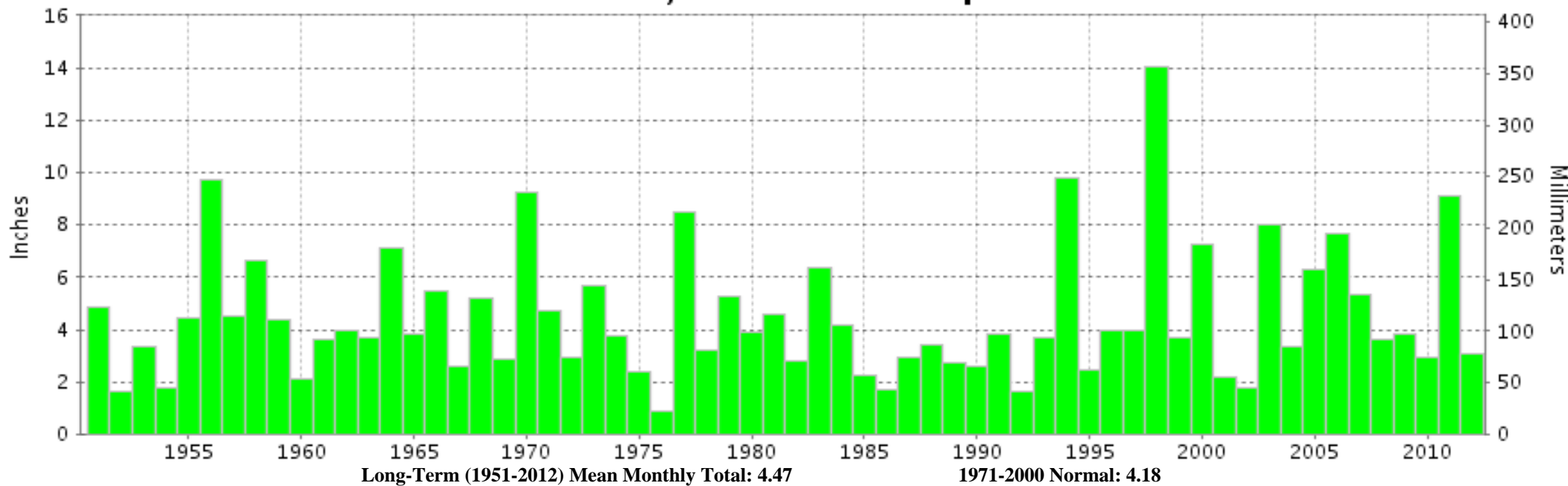
## OAK RIDGE, TN APRIL Temperatures



— Extreme Max — Mean Max — Mean — Mean Min — Extreme Min

Long-Term (1951-2012) Mean: 58.3  
1971-2000 Normal: 58.8

## OAK RIDGE, TN APRIL Precipitation



Long-Term (1951-2012) Mean Monthly Total: 4.47

1971-2000 Normal: 4.18



APRIL 2012  
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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