



NOVEMBER 2010 LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

OAK RIDGE, TN
OAK RIDGE (KOQT)
Lat:36° 1' N Long: 84° 14' W Elev (Ground) 913 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	70	43	57	5	41	49	8	0				0.00	29.21	30.21	1.0	07	1.5	13	06	9	06	01		
02	68	46	57	5	41	49	8	0				0.00	29.25	30.22	0.5	18	0.6	12	20	8	20	02		
03	58	51	55	3	47	50	10	0	RA BR			0.38	29.08	30.03	0.1	24	0.1	7	24	5	25	03		
04	59	45	52	1	40	46	13	0	RA BR			0.39	28.78	29.74	1.7	28	3.4	22	30	13	28	04		
05	50	38	44	-7	34	39	21	0	RA BR			0.05	28.89	29.92	0.6	32	1.8	23	32	14	33	05		
06	45	29	37*	-14	28	34	28	0	RA			T	29.28	30.33	0.5	32	1.7	18	27	12	27	06		
07	55	27*	41	-9	28	34	24	0	FZFG BR			0.00	29.44	30.44	0.3	08	0.5	12	07	8	09	07		
08	65	30	48	-2	32	39	17	0	FG+ FZFG BR			0.00	29.20	30.18	0.7	18	0.9	12	15	7	16	08		
09	70	32	51	1	35	42	14	0	BR			0.00	29.11	30.11			0.3	9	16	6	14	09		
10	71	35	53	4	39	45	12	0	BR			0.00	29.16	30.17			0.0	7	10	5	10	10		
11	74*	37	56	7	39	46	9	0				0.00	29.32	30.32	0.9	06	1.1	12	05	9	07	11		
12	71	35	53	4	40	45	12	0	BR			0.00	29.36	30.34	0.2	19	0.9	14	26	9	25	12		
13	68	37	53	5	39	45	12	0	FG+ BR			0.00	29.23	30.19	1.3	24	1.3	14	22	9	26	13		
14	54	44	49	1	43	47	16	0	RA BR			0.07	29.08	30.05	1.2	24	1.5	13	27	9	26	14		
15	51	44	48	0	46	47	17	0	RA BR			0.41	28.99	29.96	0.5	07	0.7	9	07	7	06	15		
16	65	47	56	8	49	51	9	0	RA BR			0.98	28.69	29.66	1.9	26	5.4	32	25	20	26	16		
17	59	39	49	2	38	43	16	0				0.00	29.08	30.11	2.3	22	3.0	24	28	16	27	17		
18	60	37	49	2	40	44	16	0	BR			0.00	29.24	30.24	0.6	07	1.5	12	20	8	05	18		
19	62	37	50	3	40	44	15	0	BR			0.00	29.29	30.29	0.2	05	1.2	16	19	10	21	19		
20	63	37	50	4	41	45	15	0				0.00	29.31	30.31	0.4	25	0.9	13	18	9	17	20		
21	70	41	56	10	45	49	9	0	BR			0.00	29.33	30.31	0.8	21	1.1	20	20	13	19	21		
22	73	46	60	14	48	54	5	0				0.00	29.26	30.22	4.1	21	4.9	22	20	16	18	22		
23	63	46	55	10	53	55	10	0	RA FG+ FG BR			0.49	29.15	30.12	0.6	06	1.6	12	09	7	08	23		
24	60	41	51	6	46	48	14	0	RA BR			T	29.16	30.14	0.6	24	1.6	10	22	7	26	24		
25	73	56	65*	20	54	58	0	0	RA BR			0.28	28.97	29.92	6.3	21	7.1	35*	21	20*	21	25		
26	57	32	45	1	34	40	20	0	RA BR			0.35	28.98	30.00	1.6	23	3.5	15	32	8	24	26		
27	49	29	39	-5	25	32	26	0				0.00	29.15	30.18	1.1	21	1.8	12	17	8	26	27		
28	53	28	41	-3	29	34	24	0	BR			0.00	29.28	30.30	0.2	07	0.5	10	05	7	04	28		
29	53	29	41	-3	37	40	24	0	RA FZFG BR			0.96	29.23	30.23	0.7	06	0.9	10	18	7	19	29		
30	62	41	52	9	50	50	13	0	RA FG BR			3.09	28.92	29.89	1.7	23	3.6	23	27	16	26	30		

61.7			38.6			50.2			☼	40.0		44.8		14.6		0.0		< MONTHLY AVERAGES TOTALS >				7.45		29.15		30.14		0.7		22		1.8		< MONTHLY AVERAGES			
2.7			2.2			2.5				<-----DEPARTURE FROM NORMAL----->										2.59		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3															
DEGREE DAYS										GREATEST 24-HR PRECIPITATION : 3.91 DATE : 29-30										SEA LEVEL PRESSURE																	
MONTHLY					SEASON TO DATE					GREATEST 24-HR SNOWFALL :					DATE :					MAXIMUM :					DATE TIME												
TOTAL DEPARTURE					TOTAL DEPARTURE					GREATEST SNOW DEPTH :					DATE :					MINIMUM :					16 1253												
HEATING :		437		-81		606		-172		NUMBER OF -> DAYS WITH		MAXIMUM TEMP >= 90 :		0		MINIMUM TEMP <= 32 :		8		PRECIPITATION >= 0.01 INCH :		11															
COOLING :		0		-1		1916		615		THUNDERSTORMS :		0		HEAVY FOG :		3		PRECIPITATION >= 0.10 INCH :		9		SNOWFALL >= 1.0 INCH :															

NOVEMBER 2010
OAK RIDGE, TN

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)
NOVEMBER 2010

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			T										03	T	T	T		T	T	0.08	0.10	0.05	0.08	0.01	0.06	03	0.38	0.38
04	0.07	0.04	0.07	0.12	0.03	0.02	0.04	T					04												04	0.39	0.39	
05													05		0.02	T	T								05	0.05	0.05	
06													06												06	T	T	
07	T												07												07	0.00	0.00	
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								T					14	0.02											14	0.07	0.07	
15													15	T	0.01	0.10	0.04	0.06	0.03	0.04	0.03	0.04	0.06	T	T	15	0.41	0.41
16	0.14	0.12	0.08	0.08	0.04	0.04	0.09	T	0.01	0.03	0.02	0.05	16	0.08	0.18			0.01	T	T	T	0.01	T	T	16	0.98	0.98	
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													21												21	0.00	0.00	
22													22												22	0.00	0.00	
23													23	0.03	0.02	T									23	0.49	0.49	
24													24												24	T	T	
25													25									0.01	0.15	0.12	25	0.28	0.28	
26	T	0.10	0.10	0.07	0.04	0.02	0.02	T					26												26	0.35	0.35	
27													27												27	0.00	0.00	
28													28												28	0.00	0.00	
29												0.01	29	T					T	T	0.17	0.31	0.12	0.17	0.18	29	0.96	0.96
30	0.12	0.08	0.04	0.03	0.03	0.01	0.09	0.07	0.16	0.22	0.22	0.25	30	0.52	0.36	0.33	0.16	0.09	0.05	0.13	0.07	0.04	0.02	30	3.09	3.09		

* 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	0.31	0.37	0.44	0.49	0.58	0.66	0.83	0.92	1.09	1.26
Ending Date	30	30	30	30	30	30	30	30	30	30	30	30
Ending Time (Hr/Min)	1232	1235	1232	1233	1241	1255	1313	1333	1352	1412	1443	1511

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 NOVEMBER 2010

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							10.00	10.00	
02							10.00	10.00	
03							2.00	10.00	
04							3.00	10.00	
05							9.00	10.00	
06							10.00	10.00	
07							0.50	10.00	
08							2.50	10.00	
09							2.00	10.00	
10							0.75	10.00	
11							8.00	10.00	
12							5.00	10.00	
13							0.25	10.00	
14							2.50	10.00	
15							2.00	10.00	
16							2.00	10.00	
17							10.00	10.00	
18							6.00	10.00	
19							4.00	10.00	
20							7.00	10.00	
21							5.00	10.00	
22							10.00	10.00	
23							0.25	10.00	
24							9.00	10.00	
25							8.00	10.00	
26							4.00	10.00	
27							10.00	10.00	
28							5.00	10.00	
29							0.50	10.00	
30							0.75	10.00	
MONTHLY AVGS							4.97	10.00	
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				
2		13			11				

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

NOVEMBER 2010 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		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
SUNRISE: 0659 NOV 01						SUNSET: 1742						SUNRISE: 0705 NOV 07						SUNSET: 1736											
01	CLR	NC			10.00	NOV 01	48	42	45	80	0	00	29.17	30.14	01	CLR	NC			10.00	NOV 07	29	26	28	89	0	00	29.48	30.50
04	CLR	NC			10.00		44	40	42	86	0	00	29.20	30.17	04	CLR	NC			9.00		28	25	27	89	0	00	29.47	30.49
07	CLR	NC			10.00		45	41	43	86	0	00	29.25	30.23	07	VV	001			0.50	FZFG	27	26	27	96	0	00	29.50	30.54
10	CLR	NC			10.00		58	41	50	53	7	06	29.28	30.26	10	CLR	NC			10.00		40	33	37	76	0	00	29.52	30.55
13	CLR	NC			10.00		66	42	54	42	0	00	29.23	30.21	13	CLR	NC			10.00		50	27	40	41	0	00	29.45	30.46
16	CLR	NC			10.00		70	40	54	34	5	VR	29.20	30.18	16	CLR	NC			10.00		55	26	43	33	0	00	29.37	30.37
19	CLR	NC			10.00		59	45	52	60	0	00	29.23	30.21	19	CLR	NC			10.00		44	31	39	60	0	00	29.34	30.37
22	CLR	NC			10.00		57	41	49	55	0	00	29.27	30.24	22	CLR	NC			10.00		37	31	35	79	0	00	29.32	30.33
SUNRISE: 0700 NOV 02						SUNSET: 1741						SUNRISE: 0706 NOV 08						SUNSET: 1735											
01	CLR	NC			10.00	NOV 02	54	39	47	57	0	00	29.28	30.24	01	CLR	NC			10.00	NOV 08	33	29	31	85	0	00	29.28	30.29
04	CLR	NC			10.00		51	37	45	59	0	00	29.26	30.23	04	CLR	NC			10.00		31	29	30	92	0	00	29.25	30.25
07	CLR	NC			10.00		46	39	43	77	0	00	29.29	30.27	07	SCT	001			5.00	BR	31	29	30	92	0	00	29.26	30.27
10	CLR	NC			10.00		58	38	48	48	0	00	29.32	30.29	10	CLR	NC			10.00		44	34	40	68	0	00	29.26	30.26
13	CLR	NC			10.00		66	41	53	40	5	19	29.23	30.20	13	CLR	NC			10.00		61	31	47	32	5	20	29.16	30.16
16	BKN	070			10.00		67	41	54	39	3	18	29.19	30.16	16	CLR	NC			10.00		64	30	48	28	3	13	29.10	30.09
19	OVC	075			10.00		58	46	52	65	0	00	29.21	30.20	19	CLR	NC			10.00		51	37	44	59	0	00	29.10	30.10
22	CLR	NC			10.00		53	46	49	77	0	00	29.21	30.19	22	CLR	NC			10.00		42	35	39	76	0	00	29.10	30.10
SUNRISE: 0701 NOV 03						SUNSET: 1740						SUNRISE: 0707 NOV 09						SUNSET: 1734											
01	CLR	NC			10.00	NOV 03	51	46	48	83	0	00	29.18	30.14	01	CLR	NC			10.00	NOV 09	36	33	35	89	0	00	29.10	30.09
04	OVC	110			10.00		51	46	48	83	0	00	29.16	30.12	04	CLR	NC			10.00		34	31	33	89	0	00	29.12	30.10
07	SCT	110			10.00		51	47	49	86	0	00	29.16	30.14	07	BKN	002			2.00	BR	32	31	32	96	0	00	29.16	30.16
10	OVC	095			10.00	-RA	55	44	49	67	0	00	29.14	30.12	10	CLR	NC			10.00		48	40	44	74	0	00	29.17	30.17
13	OVC	050			10.00		58	44	51	60	0	00	29.07	30.04	13	CLR	NC			10.00		66	36	51	33	0	00	29.12	30.09
16	OVC	031			10.00		57	46	51	67	0	00	28.99	29.96	16	CLR	NC			10.00		68	34	51	29	0	00	29.08	30.06
19	OVC	034			4.00	RA BR	53	51	52	93	0	00	28.93	29.91	19	CLR	NC			10.00		54	40	47	59	0	00	29.09	30.09
22	OVC	020			3.00	-RA BR	52	51	51	96	0	00	28.90	29.87	22	CLR	NC			10.00		45	39	42	80	0	00	29.10	30.10
SUNRISE: 0702 NOV 04						SUNSET: 1739						SUNRISE: 0708 NOV 10						SUNSET: 1733											
01	OVC	055			3.00	-RA BR	52	51	51	96	3	21	28.84	29.80	01	CLR	NC			10.00	NOV 10	40	36	38	86	0	00	29.13	30.11
04	OVC	014			5.00	RA BR	52	50	51	93	0	00	28.80	29.77	04	CLR	NC			10.00		37	34	36	89	0	00	29.15	30.13
07	OVC	050			10.00	-RA	46	43	45	89	0	00	28.82	29.79	07	CLR	NC			10.00		36	33	35	89	0	00	29.18	30.18
10	BKN	100			10.00		47	44	46	89	6	VR	28.79	29.76	10	CLR	NC			10.00		50	43	47	77	0	00	29.21	30.20
13	OVC	090			10.00		58	38	48	48	5	30	28.71	29.67	13	CLR	NC			10.00		67	40	53	37	0	00	29.17	30.15
16	CLR	NC			10.00		57	29	44	34	6	30	28.70	29.65	16	CLR	NC			10.00		71	40	55	33	0	00	29.16	30.14
19	SCT	100			10.00		51	33	43	50	7	VR	28.77	29.73	19	CLR	NC			10.00		56	45	50	67	0	00	29.19	30.18
22	OVC	095			10.00		49	34	42	56	0	00	28.77	29.75	22	CLR	NC			10.00		47	42	45	83	0	00	29.23	30.22
SUNRISE: 0703 NOV 05						SUNSET: 1738						SUNRISE: 0709 NOV 11						SUNSET: 1733											
01	CLR	NC			10.00	NOV 05	45	30	39	56	0	00	28.77	29.74	01	CLR	NC			10.00	NOV 11	43	40	42	89	0	00	29.26	30.24
04	BKN	090			10.00		39	33	36	79	3	22	28.78	29.76	04	CLR	NC			9.00		40	37	39	89	0	00	29.28	30.26
07	OVC	034			10.00		39	34	37	82	0	00	28.83	29.82	07	CLR	NC			10.00		38	35	37	89	0	00	29.33	30.33
10	OVC	033			9.00	-RA	43	36	40	76	0	00	28.91	29.89	10	CLR	NC			10.00		52	45	48	77	0	00	29.38	30.37
13	SCT	033			10.00		49	35	43	59	5	VR	28.91	29.90	13	CLR	NC			10.00		71	40	55	33	6	05	29.34	30.32
16	BKN	075			10.00		47	34	41	61	5	VR	28.96	29.95	16	CLR	NC			10.00		74	34	54	23	5	09	29.33	30.30
19	OVC	060			10.00		44	29	38	56	5	35	29.05	30.04	19	CLR	NC			10.00		56	40	48	55	0	00	29.36	30.36
22	OVC	085			10.00		44	30	38	58	0	00	29.12	30.11	22	CLR	NC			10.00		47	39	43	74	0	00	29.38	30.37
SUNRISE: 0704 NOV 06						SUNSET: 1737						SUNRISE: 0710 NOV 12						SUNSET: 1732											
01	OVC	060			10.00	NOV 06	38	32	36	79	3	VR	29.13	30.13	01	CLR	NC			10.00	NOV 12	42	37	40	83	0	00	29.37	30.35
04	FEW	085			10.00	-RA	35	31	33	85	0	00	29.15	30.16	04	CLR	NC			9.00		37	34	36	89	0	00	29.38	30.36
07	OVC	055			10.00		35	31	33	85	0	00	29.23	30.24	07	CLR	NC			8.00		36	33	35	89	0	00	29.41	30.40
10	BKN	060			10.00		41	29	36	62	0	00	29.32	30.32	10	CLR	NC			9.00		51	43	47	74	3	07	29.43	30.42
13	OVC	055			10.00		43	24	36	47	3	VR	29.34	30.35	13	CLR	NC			10.00		67	41	54	39	6	19	29.36	30.34
16	OVC	060			10.00		45	22	36	40	3	VR	29.37	30.38	16	CLR	NC			10.00		70	41	55	35	3	26	29.31	30.29
19	FEW	055			10.00		40	25	34	55	0	00	29.42	30.43	19	CLR	NC			10.00		55	45	50	69	0	00	29.31	30.30
22	CLR	NC			10.00		31	27	30	85	0	00	29.45	30.47	22	CLR	NC			10.00		47	42	45	83	0	00	29.31	30.30

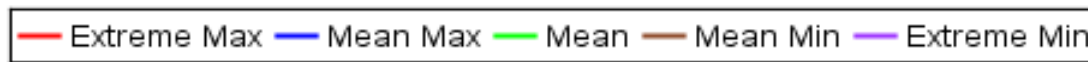
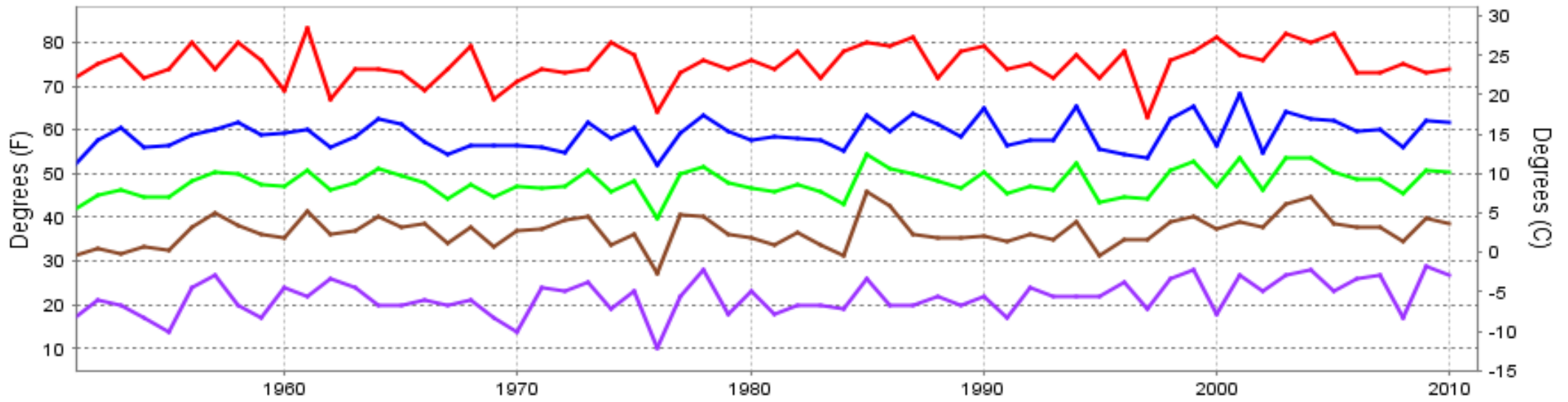
OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN
NOVEMBER 2010 KOQT

WBAN # 53868

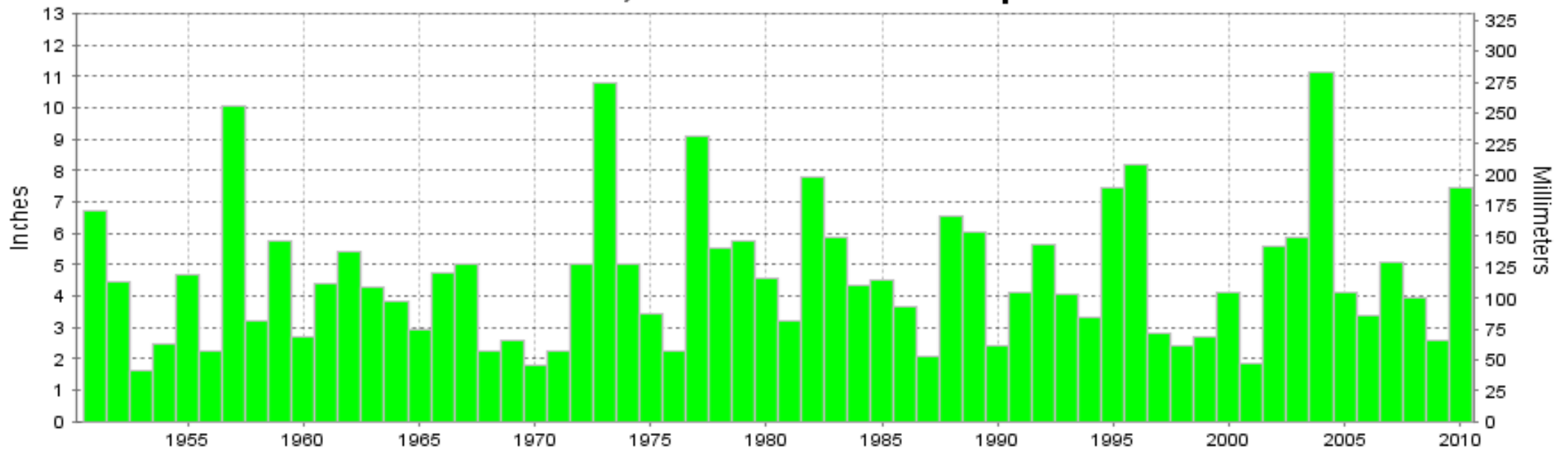
HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)	
			Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB			STATION	SEA LEVEL				Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB			STATION	SEA LEVEL
			Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB			STATION	SEA LEVEL				Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB			STATION	SEA LEVEL
SUNRISE: 0711 NOV 13 SUNSET: 1731														SUNRISE: 0717 NOV 19 SUNSET: 1727													
01	CLR	NC			8.00		43	40	42	89	0 00	29.30	30.28	01	CLR	NC			10.00		45	40	43	83	0 00	29.30	30.28
04	CLR	NC			5.00	BR	40	37	39	89	0 00	29.28	30.26	04	BKN	049			6.00	BR	42	39	41	89	0 00	29.31	30.30
07	VV	001			0.25	FG	37	36	37	96	0 00	29.29	30.29	07	CLR	NC			6.00	BR	37	35	36	93	0 00	29.34	30.33
10	CLR	NC			10.00		53	45	49	74	0 00	29.29	30.28	10	CLR	NC			10.00		50	41	46	71	5 05	29.36	30.35
13	CLR	NC			10.00		65	41	53	42	6 24	29.21	30.19	13	CLR	NC			10.00		58	42	50	55	5 VR	29.29	30.27
16	CLR	NC			10.00		68	38	53	33	5 23	29.13	30.10	16	CLR	NC			10.00		61	41	51	48	5 VR	29.25	30.23
19	CLR	NC			10.00		53	39	46	59	0 00	29.12	30.11	19	CLR	NC			10.00		50	42	46	74	0 00	29.26	30.26
22	CLR	NC			10.00		47	40	44	77	0 00	29.13	30.10	22	CLR	NC			10.00		44	40	42	86	0 00	29.29	30.28
SUNRISE: 0712 NOV 14 SUNSET: 1730														SUNRISE: 0718 NOV 20 SUNSET: 1727													
01	SCT	110			10.00		45	39	42	80	0 00	29.10	30.08	01	BKN	050			9.00		41	39	40	93	0 00	29.30	30.29
04	OVC	060			10.00		47	40	44	77	0 00	29.08	30.04	04	CLR	NC			8.00		39	36	38	89	0 00	29.30	30.29
07	OVC	048			10.00		53	37	45	55	3 24	29.09	30.06	07	SCT	049			8.00		39	37	38	93	0 00	29.34	30.34
10	OVC	055			10.00	-RA	54	39	47	57	0 00	29.10	30.08	10	OVC	050			10.00		51	44	48	77	0 00	29.37	30.36
13	OVC	055			7.00	-RA	50	48	49	93	0 00	29.07	30.06	13	OVC	050			10.00		60	43	51	54	5 28	29.32	30.31
16	OVC	020			10.00		53	48	50	83	3 23	29.06	30.03	16	BKN	055			10.00		63	43	53	48	6 VR	29.31	30.29
19	OVC	047			10.00		51	48	49	90	0 00	29.06	30.03	19	CLR	NC			10.00		51	44	48	77	0 00	29.29	30.29
22	OVC	017			8.00		48	46	47	93	0 00	29.05	30.03	22	CLR	NC			9.00		44	41	43	89	0 00	29.31	30.30
SUNRISE: 0713 NOV 15 SUNSET: 1730														SUNRISE: 0719 NOV 21 SUNSET: 1726													
01	BKN	040			8.00		46	44	45	93	0 00	29.04	30.02	01	CLR	NC			7.00		43	40	42	89	0 00	29.33	30.32
04	OVC	032			8.00		46	44	45	93	0 00	29.02	30.00	04	OVC	055			7.00		44	42	43	93	0 00	29.34	30.32
07	CLR	NC			9.00		44	42	43	93	0 00	29.02	30.00	07	CLR	NC			5.00	BR	42	40	41	93	0 00	29.36	30.36
10	OVC	009			10.00		48	45	47	89	0 00	29.02	30.01	10	OVC	030			7.00		49	45	47	86	0 00	29.40	30.40
13	OVC	090			8.00		50	46	48	86	0 00	28.99	29.97	13	BKN	032			10.00		62	46	54	56	3 VR	29.34	30.32
16	OVC	070			2.50	-RA BR	50	49	49	96	0 00	28.96	29.94	16	BKN	050			10.00		70	50	59	49	9 20	29.28	30.25
19	OVC	007			2.50	-RA BR	50	49	49	96	0 00	28.93	29.91	19	CLR	NC			10.00		61	47	54	60	0 00	29.29	30.28
22	OVC	005			2.50	-RA BR	50	50	50	100	0 00	28.93	29.91	22	CLR	NC			10.00		55	46	50	72	0 00	29.30	30.29
SUNRISE: 0714 NOV 16 SUNSET: 1729														SUNRISE: 0720 NOV 22 SUNSET: 1726													
01	OVC	048			2.00	RA BR	51	50	50	96	3 08	28.87	29.85	01	CLR	NC			10.00		48	45	47	89	0 00	29.30	30.28
04	OVC	031			5.00	-RA BR	51	50	50	96	3 VR	28.79	29.76	04	SCT	047			10.00		47	44	46	89	0 00	29.31	30.28
07	OVC	065			8.00	-RA	51	50	50	96	0 00	28.73	29.70	07	CLR	NC			10.00		49	45	47	86	3 24	29.33	30.31
10	OVC	050			2.50	-RA BR	52	51	51	96	3 05	28.64	29.60	10	OVC	065			10.00		61	49	55	65	6 25	29.34	30.32
13	OVC	045			3.00	RA BR	54	53	53	96	0 00	28.51	29.47	13	SCT	037			10.00		71	53	61	53	9 21	29.25	30.22
16	SCT	095			10.00		64	53	58	68	7 VR	28.54	29.49	16	SCT	060			10.00		72	50	59	46	11 19	29.18	30.14
19	OVC	090			10.00		58	45	51	62	7 VR	28.66	29.61	19	CLR	NC			10.00		66	49	57	54	6 19	29.16	30.14
22	OVC	055			9.00	-RA	51	44	48	77	18 26	28.77	29.74	22	OVC	060			10.00		64	51	57	63	3 24	29.18	30.14
SUNRISE: 0715 NOV 17 SUNSET: 1728														SUNRISE: 0721 NOV 23 SUNSET: 1725													
01	OVC	024			10.00		46	38	42	74	8 26	28.91	29.89	01	OVC	047			10.00		62	52	56	70	3 25	29.16	30.11
04	BKN	065			10.00		44	38	41	80	6 21	29.01	29.98	04	BKN	040			10.00		60	53	56	78	0 00	29.12	30.06
07	CLR	NC			10.00		43	37	40	79	0 00	29.09	30.07	07	OVC	019			10.00		60	55	57	84	0 00	29.12	30.07
10	BKN	024			10.00		48	39	44	71	3 20	29.14	30.13	10	OVC	036			1.00	+RA BR	59	58	58	97	5 34	29.14	30.10
13	CLR	NC			10.00		56	40	48	55	6 VR	29.15	30.14	13	OVC	070			10.00	-RA	60	57	58	90	5 09	29.16	30.12
16	CLR	NC			10.00		58	38	48	48	5 20	29.15	30.14	16	BKN	028			10.00		60	55	57	84	3 07	29.15	30.12
19	CLR	NC			10.00		49	40	45	71	0 00	29.19	30.19	19	CLR	NC			7.00		53	51	52	93	0 00	29.19	30.17
22	CLR	NC			10.00		41	38	40	89	0 00	29.20	30.20	22	VV	001			0.25	FG	49	49	49	100	0 00	29.23	30.21
SUNRISE: 0716 NOV 18 SUNSET: 1728														SUNRISE: 0722 NOV 24 SUNSET: 1725													
01	CLR	NC			10.00		39	37	38	93	0 00	29.21	30.20	01	CLR	NC			10.00		46	45	46	96	0 00	29.23	30.21
04	OVC	110			8.00		40	38	39	93	0 00	29.22	30.21	04	CLR	NC			10.00		43	41	42	93	0 00	29.21	30.20
07	OVC	090			9.00		41	39	40	93	0 00	29.27	30.27	07	BKN	015			10.00		42	39	41	89	3 VR	29.20	30.19
10	BKN	110			10.00		47	43	45	86	0 00	29.29	30.29	10	CLR	NC			10.00		50	42	46	74	3 VR	29.21	30.19
13	OVC	095			10.00		57	40	49	53	0 00	29.24	30.24	13	CLR	NC			10.00		58	46	52	65	5 VR	29.15	30.14
16	BKN	075			10.00		58	38	48	48	3 22	29.21	30.19	16	CLR	NC			10.00		59	49	54	70	3 VR	29.09	30.07
19	OVC	080			10.00		55	39	47	55	0 00	29.26	30.25	19	OVC	060			10.00		54	50	52	86	0 00	29.10	30.08
22	CLR	NC			10.00		50	42	46	74	3 05	29.28	30.27	22	OVC	029			10.00		56	52	54	87	0 00	29.10	30.07

OAK RIDGE, TN NOVEMBER Temperatures



Long-Term (1951-2010) Mean: 47.9
1971-2000 Normal: 47.7

OAK RIDGE, TN NOVEMBER Precipitation



Long-Term (1951-2010) Mean Monthly Total: 4.63

1971-2000 Normal: 4.86



NOVEMBER 2010
OAK RIDGE, TN

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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



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