



OCTOBER 2016 LOCAL CLIMATOLOGICAL DATA

NOAA, National Centers for Environmental Information

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



OCTOBER 2016
OAK RIDGE, TN

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 20		2-MIN 22			
01	75	49	62	-2	51	55	3	0	BR			0.00	29.11	30.08	0.4	25	1.1	12	26	8	27	01		
02	77	55	66	2	55	59	0	1				0.00	29.12	30.08			0.1	8	31	5	33	02		
03	82	54	68	4	54	59	0	3	FG+ FG BR			0.00	29.08	30.03	0.3	05	0.8	12	08	8	08	03		
04	86	59	73	10	56	62	0	8				0.00	29.10	30.06	0.2	08	1.1	12	36	8	09	04		
05	84	57	71	8	55	61	0	6				0.00	29.18	30.13	0.8	09	1.2	11	12	9	07	05		
06	85	56	71	9	53	59	0	6				0.00	29.18	30.13	1.2	06	2.2	18	07	13	07	06		
07	86	53	70	8	57	62	0	5				0.00	29.09	30.03	0.5	09	1.5	14	10	9	10	07		
08	76	60	68	7	51	59	0	3				0.00	29.07	30.02	0.6	03	3.8	23*	01	13	06	08		
09	75	51	63	2	39	50	2	0				0.00	29.29	30.27	1.7	08	4.2	22	06	14*	07	09		
10	77	48	63	2	44	51	2	0				0.00	29.35	30.32	0.6	07	1.7	17	05	10	07	10		
11	79	47	63	3	45	52	2	0	HZ			0.00	29.34	30.31	0.4	24	1.1	11	15	8	16	11		
12	77	45	61	1	43	51	4	0				0.00	29.26	30.24	0.5	23	1.4	13	20	9	18	12		
13	78	51	65	6	49	56	0	0				0.00	29.22	30.19	0.3	07	0.5	9	08	7	08	13		
14	82	59	71	12	55	61	0	6				0.00	29.25	30.21	0.6	04	2.3	13	27	9	28	14		
15	83	55	69	10	55	60	0	4				0.00	29.27	30.22	0.9	22	2.1	17	20	10	23	15		
16	83	61	72	14	57	62	0	7				0.00	29.21	30.14	1.0	22	1.8	14	27	9	26	16		
17	83	56	70	12	57	61	0	5				0.00	29.08	30.02	1.4	20	2.0	18	22	10	22	17		
18	87	59	73	15	58	63	0	8				0.00	29.03	29.98	1.7	22	2.9	20	18	13	21	18		
19	89*	61	75	18	59	64	0	10				0.00	29.10	30.04	0.9	18	1.2	12	16	9	19	19		
20	88	64	76*	19	60	65	0	11	RA			0.01	29.03	29.94	1.4	25	3.0	21	29	10	29	20		
21	68	50	59	3	46	52	6	0	RA			0.03	28.98	29.97	1.8	30	4.8	19	33	13	30	21		
22	64	42	53*	-3	34	44	12	0				0.00	29.13	30.12	0.5	29	2.3	17	33	10	34	22		
23	73	36*	55	-1	38	46	10	0				0.00	29.24	30.23	0.8	25	2.3	16	19	9	27	23		
24	82	48	65	10	42	52	0	0				0.00	29.26	30.23	0.4	20	2.3	13	35	7	01	24		
25	75	46	61	6	39	49	4	0				0.00	29.33	30.30	0.6	09	1.2	13	04	9	07	25		
26	78	41	60	5	45	52	5	0				0.00	29.31	30.28	0.7	22	1.3	16	21	9	21	26		
27	80	57	69	15	53	58	0	4	RA			0.01	29.26	30.21	1.4	25	2.3	18	26	12	25	27		
28	80	50	65	11	49	55	0	0	FG BR			0.00	29.28	30.25	0.1	35	0.5	8	11	6	11	28		
29	84	47	66	13	49	55	0	1				0.00	29.24	30.20	0.4	22	1.2	13	21	8	18	29		
30	84	51	68	15	50	56	0	3				0.00	29.17	30.12	0.8	24	1.8	19	28	12	28	30		
31	83	52	68	15	53	59	0	3				0.00	29.13	30.09	0.7	23	1.4	13	27	8	26	31		
80.1		52.3	66.2	Σ	50.0	56.5	1.6	3.0	< MONTHLY AVERAGES TOTALS >				0.05	29.18	30.14	0.2	22	1.9	< MONTHLY AVERAGES					
9.0		4.3	6.7		-----DEPARTURE FROM NORMAL ----->				-2.87	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3														
DEGREE DAYS									GREATEST 24-HR PRECIPITATION : 0.04 DATE : 20-21				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY									GREATEST 24-HR SNOWFALL :				MAXIMUM :				30.41 11 0859							
SEASON TO DATE									GREATEST SNOW DEPTH :				MINIMUM :				29.80 21 0103							
TOTAL DEPARTURE									NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 0		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH: 3							
TOTAL DEPARTURE									THUNDERSTORMS : 0		MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH: 0									
HEATING : 50 -149									58 -162		HEAVY FOG : 1		SNOWFALL >= 1.0 INCH :											
COOLING : 94 164									2114 634															

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)
OCTOBER 2016

WBAN # 53868

Date	FOR HOUR (LST) ENDING AT												Date	FOR HOUR (LST) ENDING AT												Date	Sum of Hourly Data	2400 LST Water Equiv.
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			
01													01												01	0.00	0.00	
02													02												02	0.00	0.00	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
05													05												05	0.00	0.00	
06													06												06	0.00	0.00	
07													07												07	0.00	0.00	
08													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												16	0.00	0.00	
17													17												17	0.00	0.00	
18													18												18	0.00	0.00	
19													19												19	0.00	0.00	
20													20						T	0.01	T	T		T	T	20	0.01	0.01
21	0.01	T	0.02	T	T		T	T	T	T	T		21	T	T	T									21	0.03	0.03	
22													22												22	0.00	0.00	
23													23												23	0.00	0.00	
24													24												24	0.00	0.00	
25													25												25	0.00	0.00	
26													26												26	0.00	0.00	
27							T	T					27												27	0.01	0.01	
28													28												28	0.00	0.00	
29													29												29	0.00	0.00	
30													30												30	0.00	0.00	
31													31												31	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)	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03
Ending Date	27	21	21	21	21	21	21	21	21	21	21	21
Ending Time (Hr/Min)	0909	0231	0231	0231	0231	0231	0231	0231	0231	0231	0231	0231

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	GL Glaze
VC In the Vicinity	UP Unkown Precipitation		

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

OAK RIDGE, TN OCTOBER 2016

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, TN
Lat/Lon:35.998/-84.2192 Elevation:1019ft
Distance:1.5mi Dir:SW
Augmented Elements:TEMP, PRECIP, SNOW
Equipment:PRECIP-MODEL TRP525M, TEMP-VAISALA HMP 35C, SNOWBOARD, SNOWSTICK

Date	VISIBILITY (MILES)	
	MINIMUM	MAXIMUM
01	5.00	10.00
02	10.00	10.00
03	0.25	10.00
04	10.00	10.00
05	9.00	10.00
06	8.00	10.00
07	10.00	10.00
08	10.00	10.00
09	10.00	10.00
10	10.00	10.00
11	6.00	10.00
12	10.00	10.00
13	10.00	10.00
14	10.00	10.00
15	10.00	10.00
16	10.00	10.00
17	10.00	10.00
18	10.00	10.00
19	10.00	10.00
20	10.00	10.00
21	9.00	10.00
22	10.00	10.00
23	10.00	10.00
24	10.00	10.00
25	10.00	10.00
26	10.00	10.00
27	10.00	10.00
28	0.50	10.00
29	10.00	10.00
30	9.00	10.00
31	10.00	10.00
AVGS	8.93	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
1	2	27

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN OCTOBER 2016 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: 0632					OCT 01					SUNSET: 1821					SUNRISE: 0637					OCT 07					SUNSET: 1812				
01	CLR	NC	10.00	BR	53	49	51	86	0	00	29.12	30.07	01	CLR	NC	10.00		58	52	55	81	0	00	29.12	30.06				
04	CLR	NC	10.00		51	48	49	89	0	00	29.12	30.07	04	CLR	NC	10.00		55	52	53	90	0	00	29.13	30.06				
07	SCT	002	5.00		49	46	48	90	0	00	29.14	30.11	07	CLR	NC	10.00		53	50	51	89	0	00	29.15	30.11				
10	OVC	038	10.00		60	51	55	72	0	00	29.16	30.13	10	CLR	NC	10.00		71	57	63	61	0	00	29.15	30.10				
13	FEW	040	10.00		71	52	60	51	3	VR	29.13	30.08	13	CLR	NC	10.00		82	55	65	40	0	00	29.08	30.01				
16	OVC	070	10.00		75	51	61	43	5	VR	29.09	30.04	16	CLR	NC	10.00		86	53	66	32	0	00	29.03	29.96				
19	OVC	080	10.00		67	55	60	66	0	00	29.10	30.06	19	FEW	095	10.00		76	63	68	64	0	00	29.04	29.99				
22	FEW	080	10.00		61	55	58	81	0	00	29.12	30.08	22	SCT	060	10.00		71	64	67	79	0	00	29.06	30.00				
SUNRISE: 0633					OCT 02					SUNSET: 1820					SUNRISE: 0638					OCT 08					SUNSET: 1811				
01	SCT	070	10.00		57	54	55	90	0	00	29.13	30.08	01	BKN	110	10.00		69	59	63	70	0	00	29.03	29.96				
04	CLR	NC	10.00		56	54	55	93	0	00	29.13	30.07	04	BKN	100	10.00		68	55	60	63	0	00	29.01	29.93				
07	CLR	NC	10.00		55	53	54	93	0	00	29.14	30.10	07	CLR	NC	10.00		68	56	61	65	5	VR	29.02	29.96				
10	OVC	070	10.00		67	55	60	66	0	00	29.16	30.12	10	CLR	NC	10.00		68	58	62	70	10	01	29.07	30.01				
13	OVC	070	10.00		74	53	62	48	0	00	29.13	30.08	13	OVC	029	10.00		71	57	63	61	6	VR	29.07	30.01				
16	OVC	080	10.00		76	52	62	43	0	00	29.10	30.04	16	SCT	044	10.00		74	53	62	48	5	VR	29.08	30.01				
19	OVC	085	10.00		69	56	61	63	0	00	29.10	30.06	19	CLR	NC	10.00		67	38	52	35	3	VR	29.15	30.11				
22	SCT	080	10.00		63	57	60	81	0	00	29.12	30.07	22	CLR	NC	10.00		63	36	50	37	6	VR	29.19	30.15				
SUNRISE: 0633					OCT 03					SUNSET: 1818					SUNRISE: 0638					OCT 09					SUNSET: 1810				
01	CLR	NC	10.00	FG	58	55	56	90	0	00	29.10	30.06	01	CLR	NC	10.00		58	36	48	44	3	VR	29.22	30.17				
04	SCT	002	10.00		56	54	55	93	0	00	29.10	30.05	04	CLR	NC	10.00		55	37	46	51	6	10	29.26	30.22				
07	VV	002	0.25		54	53	53	97	0	00	29.13	30.08	07	CLR	NC	10.00		53	38	46	57	7	08	29.32	30.29				
10	CLR	NC	10.00		69	57	62	66	5	VR	29.13	30.08	10	CLR	NC	10.00		64	36	50	35	7	VR	29.35	30.32				
13	CLR	NC	10.00		79	54	64	42	0	00	29.08	30.01	13	CLR	NC	10.00		73	38	55	28			29.32	30.28				
16	OVC	075	10.00		79	51	63	38	0	00	29.03	29.97	16	CLR	NC	10.00		75	39	56	27	3	VR	29.29	30.24				
19	OVC	075	10.00		71	54	61	55	0	00	29.04	29.99	19	CLR	NC	10.00		63	41	52	45	0	00	29.31	30.28				
22	CLR	NC	10.00		64	54	58	70	0	00	29.07	30.01	22	CLR	NC	10.00		54	44	49	69	0	00	29.35	30.32				
SUNRISE: 0634					OCT 04					SUNSET: 1817					SUNRISE: 0639					OCT 10					SUNSET: 1808				
01	FEW	070	10.00		62	56	59	80	0	00	29.08	30.01	01	CLR	NC	10.00		51	45	48	80	0	00	29.35	30.32				
04	BKN	070	10.00		61	56	58	84	0	00	29.10	30.03	04	CLR	NC	10.00		48	45	47	89	0	00	29.36	30.32				
07	OVC	070	10.00		60	56	58	86	0	00	29.14	30.09	07	CLR	NC	10.00		49	46	48	90	0	00	29.40	30.38				
10	CLR	NC	10.00		73	57	63	57	5	VR	29.16	30.11	10	CLR	NC	10.00		63	45	54	52	7	07	29.42	30.39				
13	CLR	NC	10.00		82	56	66	41	3	VR	29.13	30.06	13	CLR	NC	10.00		73	41	56	32			29.35	30.32				
16	SCT	080	10.00		85	52	65	32	0	00	29.08	30.01	16	CLR	NC	10.00		75	39	56	27	3	VR	29.30	30.27				
19	CLR	NC	10.00		73	57	63	57	0	00	29.09	30.03	19	CLR	NC	10.00		63	42	52	47	0	00	29.32	30.29				
22	FEW	075	10.00		66	58	61	75	0	00	29.13	30.07	22	CLR	NC	10.00		54	45	49	72	0	00	29.34	30.31				
SUNRISE: 0635					OCT 05					SUNSET: 1815					SUNRISE: 0640					OCT 11					SUNSET: 1807				
01	SCT	065	10.00		62	57	59	84	0	00	29.16	30.10	01	CLR	NC	10.00		52	46	49	80	0	00	29.34	30.30				
04	CLR	NC	10.00		58	55	56	90	0	00	29.17	30.11	04	CLR	NC	10.00		48	44	46	86	0	00	29.37	30.33				
07	CLR	NC	9.00		57	55	56	93	0	00	29.22	30.17	07	CLR	NC	10.00		47	45	46	93	0	00	29.40	30.38				
10	CLR	NC	10.00		71	55	62	57	0	00	29.25	30.20	10	CLR	NC	10.00		63	48	55	58	0	00	29.43	30.40				
13	CLR	NC	10.00		81	55	65	41	0	00	29.19	30.13	13	CLR	NC	10.00		75	43	58	32	3	VR	29.35	30.31				
16	CLR	NC	10.00		83	51	64	33	7	09	29.13	30.07	16	CLR	NC	7.00		78	39	57	25	6	VR	29.28	30.24				
19	CLR	NC	10.00		72	55	62	55	0	00	29.15	30.10	19	CLR	NC	10.00		65	45	54	49	0	00	29.27	30.25				
22	CLR	NC	10.00		64	56	59	75	0	00	29.18	30.13	22	CLR	NC	10.00		54	46	50	75	0	00	29.29	30.26				
SUNRISE: 0636					OCT 06					SUNSET: 1814					SUNRISE: 0641					OCT 12					SUNSET: 1806				
01	CLR	NC	10.00		59	55	57	87	0	00	29.20	30.14	01	CLR	NC	10.00		52	46	49	80	0	00	29.30	30.26				
04	CLR	NC	10.00		57	54	55	90	0	00	29.20	30.15	04	CLR	NC	10.00		48	44	46	86	0	00	29.30	30.26				
07	CLR	NC	8.00		56	53	54	90	0	00	29.22	30.19	07	CLR	NC	10.00		45	42	44	90	0	00	29.34	30.32				
10	CLR	NC	10.00		70	55	61	59	8	07	29.24	30.19	10	CLR	NC	10.00		64	44	54	48	6	VR	29.35	30.32				
13	CLR	NC	10.00		81	52	64	37	5	VR	29.18	30.12	13	CLR	NC	10.00		72	40	55	31	7	25	29.26	30.23				
16	CLR	NC	10.00		84	49	63	30	6	VR	29.13	30.07	16	CLR	NC	10.00		77	36	56	23	5	26	29.21	30.17				
19	CLR	NC	10.00		73	50	60	44	0	00	29.14	30.10	19	CLR	NC	10.00		63	43	53	48	0	00	29.18	30.16				
22	CLR	NC	10.00		62	52	56	70	0	00	29.14	30.09	22	CLR	NC	10.00		57	45	51	64	0	00	29.22	30.19				

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

OCTOBER 2016

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: 0653 OCT 25 SUNSET: 1749					01	CLR	NC	10.00		56	41	49	57	0	00	29.34	30.29
04	CLR	NC	10.00		51	41	46	69	0	00	29.33	30.29					
07	CLR	NC	10.00		47	41	44	80	0	00	29.36	30.34					
10	CLR	NC	10.00		60	41	50	50	5	VR	29.39	30.36					
13	CLR	NC	10.00		71	37	54	29	3	VR	29.34	30.30					
16	CLR	NC	10.00		73	34	54	24	0	00	29.28	30.24					
19	CLR	NC	10.00		59	39	49	48	0	00	29.30	30.29					
22	CLR	NC	10.00		50	40	45	68	0	00	29.32	30.30					
SUNRISE: 0654 OCT 26 SUNSET: 1748					01	CLR	NC	10.00		47	40	44	77	0	00	29.34	30.31
04	CLR	NC	10.00		44	40	42	85	0	00	29.34	30.31					
07	CLR	NC	10.00		42	39	41	89	0	00	29.35	30.34					
10	FEW	031	10.00		57	40	49	53	0	00	29.38	30.37					
13	CLR	NC	10.00		74	45	58	36	5	26	29.32	30.28					
16	CLR	NC	10.00		77	49	61	37	7	19	29.24	30.21					
19	CLR	NC	10.00		68	50	58	53	0	00	29.24	30.22					
22	CLR	NC	10.00		64	52	57	65	0	00	29.27	30.24					
SUNRISE: 0654 OCT 27 SUNSET: 1747					01	CLR	NC	10.00		61	52	56	72	5	26	29.28	30.23
04	CLR	NC	10.00		62	51	56	67	3	VR	29.26	30.21					
07	OVC	095	10.00		62	52	56	70	0	00	29.26	30.22					
10	OVC	070	10.00		62	55	58	78	3	27	29.30	30.27					
13	OVC	100	10.00		71	56	62	59	3	VR	29.25	30.21					
16	BKN	095	10.00		78	51	62	39	5	25	29.21	30.15					
19	FEW	070	10.00		67	54	60	63	0	00	29.23	30.19					
22	CLR	NC	10.00		60	54	57	80	0	00	29.26	30.23					
SUNRISE: 0655 OCT 28 SUNSET: 1746					01	CLR	NC	10.00		55	52	53	90	0	00	29.27	30.23
04	CLR	NC	7.00		52	49	50	89	0	00	29.28	30.24					
07	CLR	NC	5.00	BR	50	47	48	89	0	00	29.32	30.29					
10	CLR	NC	9.00		63	55	58	76	0	00	29.36	30.32					
13	CLR	NC	10.00		74	46	58	37	0	00	29.30	30.26					
16	CLR	NC	10.00		79	45	60	30	3	VR	29.24	30.20					
19	CLR	NC	10.00		65	49	56	56	0	00	29.25	30.22					
22	CLR	NC	10.00		57	49	53	74	0	00	29.28	30.24					
SUNRISE: 0656 OCT 29 SUNSET: 1745					01	CLR	NC	10.00		51	47	49	86	0	00	29.27	30.23
04	CLR	NC	10.00		49	46	48	90	0	00	29.27	30.23					
07	CLR	NC	10.00		47	44	46	90	0	00	29.30	30.28					
10	CLR	NC	10.00		63	50	56	63	0	00	29.31	30.28					
13	CLR	NC	10.00		80	50	62	35	7	VR	29.23	30.19					
16	CLR	NC	10.00		84	49	63	30	5	VR	29.16	30.11					
19	CLR	NC	10.00		69	51	59	53	0	00	29.18	30.15					
22	CLR	NC	10.00		60	51	55	72	0	00	29.20	30.16					
SUNRISE: 0657 OCT 30 SUNSET: 1744					01	CLR	NC	10.00		55	50	52	83	0	00	29.20	30.15
04	CLR	NC	10.00		52	49	50	89	0	00	29.20	30.15					
07	CLR	NC	9.00		51	48	49	89	0	00	29.21	30.17					
10	CLR	NC	10.00		66	53	59	63	6	25	29.22	30.18					
13	CLR	NC	10.00		80	52	63	38	6	VR	29.15	30.10					
16	CLR	NC	10.00		83	46	62	27	6	26	29.10	30.05					
19	CLR	NC	10.00		69	50	58	51	0	00	29.13	30.10					
22	FEW	075	10.00		62	51	56	67	0	00	29.14	30.10					

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: 0658 OCT 31 SUNSET: 1743					01	CLR	NC	10.00		58	51	54	78	0	00	29.14	30.09
04	CLR	NC	10.00		54	50	52	87	0	00	29.13	30.08					
07	CLR	NC	10.00		52	49	50	89	0	00	29.16	30.12					
10	FEW	085	10.00		66	52	58	61	0	00	29.20	30.16					
13	CLR	NC	10.00		81	55	65	41	7	VR	29.14	30.08					
16	FEW	090	10.00		82	55	65	40	3	21	29.10	30.04					
19	BKN	080	10.00		72	57	63	59	0	00	29.12	30.08					
22	CLR	NC	10.00		64	57	60	78	0	00	29.13	30.09					

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.

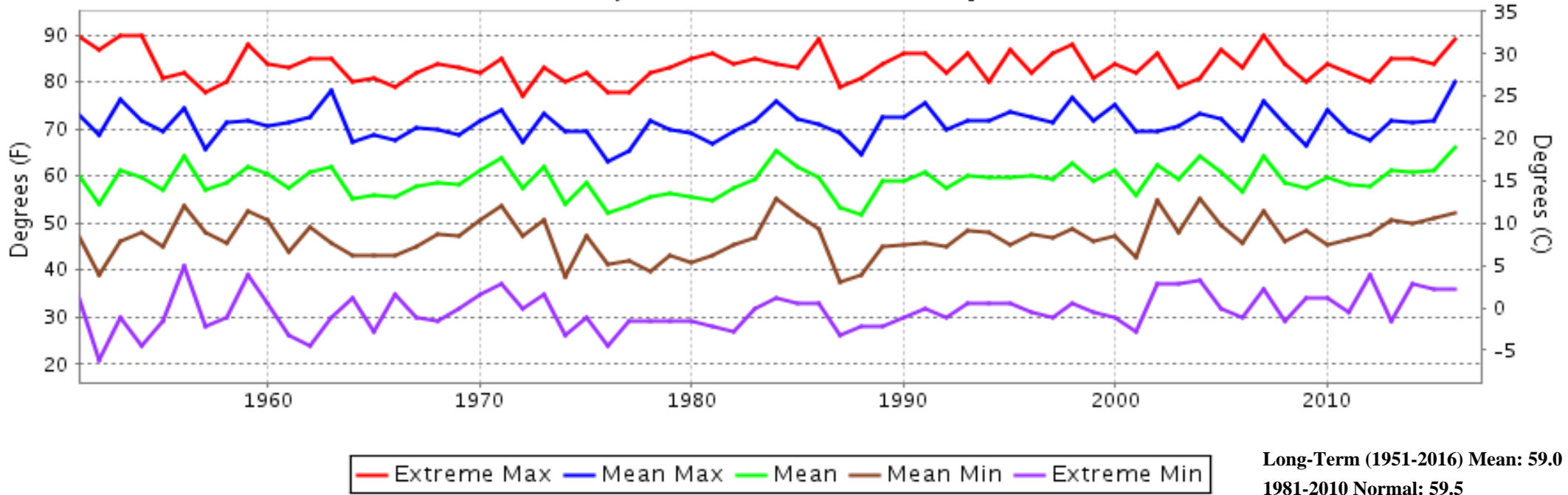
& = Original observation contained additional weather elements.

See page 3 for additional notes.

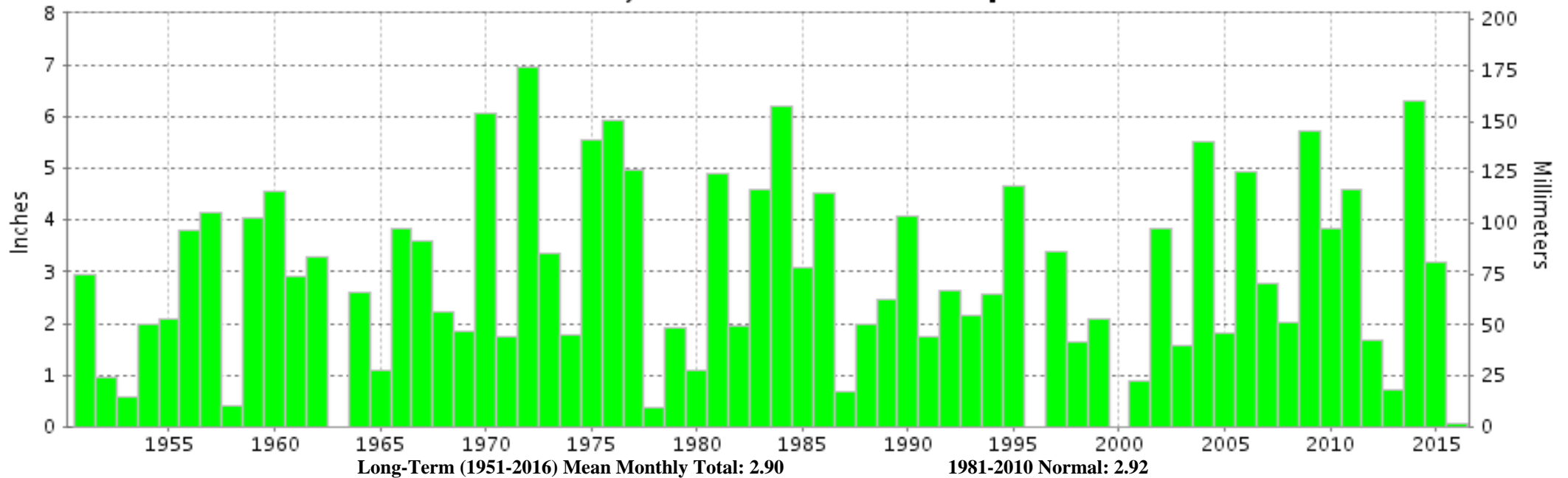
SUMMARY BY HOUR

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	58	51	54	78	29.18	30.13	10.00	1	XX	XX
02	57	50	53	80	29.19	30.14	10.00	1	0	19
03	56	50	53	81	29.19	30.13	9.94	1	XX	XX
04	55	49	52	82	29.19	30.14	9.90	0	XX	XX
05	54	49	52	83	29.20	30.15	9.87	1	XX	XX
06	54	49	51	84	29.21	30.17	9.57	0	XX	XX
07	54	49	51	85	29.22	30.19	9.23	1	XX	XX
08	56	50	53	81	29.24	30.20	9.37	1	2	10
09	61	51	56	71	29.24	30.21	9.84	2	4	09
10	66	51	58	60	29.24	30.20	9.94	3	0	17
11	70	51	59	52	29.23	30.19	10.00	4	3	27
12	73	50	60	46	29.22	30.17	10.00	5	3	27
13	76	50	61	41	29.19	30.14	10.00	3	4	27
14	78	49	61	38	29.16	30.11	9.87	5	1	26
15	79	48	61	35	29.15	30.10	10.00	5	1	26
16	79	48	61	34	29.14	30.09	9.90	4	2	27
17	77	48	61	36	29.14	30.09	10.00	4	1	26
18	74	49	60	42	29.15	30.10	10.00	2	1	25
19	68	50	58	54	29.16	30.12	10.00	0	XX	XX
20	65	51	57	61	29.17	30.13	9.94	0	XX	XX
21	63	51	57	66	29.18	30.13	10.00	0	XX	XX
22	61	51	56	70	29.18	30.14	10.00	1	XX	XX
23	60	51	55	73	29.19	30.14	10.00	1	XX	XX
24	59	51	55	76	29.18	30.13	10.00	1	0	20

OAK RIDGE, TN OCTOBER Temperatures



OAK RIDGE, TN OCTOBER Precipitation





OCTOBER 2016
OAK RIDGE, TN

LOCAL CLIMATOLOGICAL DATA

NOAA, National Centers for Environmental Information

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 Centers for Environmental Information (NCEI), Asheville, North Carolina 28801.

A handwritten signature in black ink that reads "Margarita Fess".

DIRECTOR (ACTING)

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