



AUGUST 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						
																			SPEED 20	DIR 21	SPEED 22	DIR 23					
01	86	65	76	-2	64	68	0	11	RA			T	29.11	30.04	0.5	04	1.5	12	08	8	08	01					
02	85	68	77	-1	66	69	0	12	RA BR		1.70		29.11	30.05	1.1	09	1.8	31*	24	21*	23	02					
03	87	64	76	-1	62	66	0	11	FG+ FG BR		0.00		29.15	30.08	0.3	07	1.8	16	07	9	07	03					
04	87	62	75	-2	61	66	0	10	BR		0.00		29.13	30.07	0.7	08	1.8	14	09	9	08	04					
05	90	64	77	0	62	67	0	12					29.10	30.04	0.6	25	1.2	11	28	7	31	05					
06	90	66	78	1	67	70	0	13				0.00	29.07	29.99	0.6	19	2.2	18	19	10	19	06					
07	89	69	79	2	68	71	0	14	FG BR		0.00		29.06	29.98	0.5	08	1.4	13	07	9	07	07					
08	82	70	76	-1	70	71	0	11	RA BR		0.27		29.07	30.01	0.8	18	2.2	12	21	9	09	08					
09	85	72	79	2	70	72	0	14			0.00		29.06	29.99	0.8	21	1.9	11	21	7	16	09					
10	83	73	78	1	73	74	0	13	RA BR		0.26		29.03	29.97	0.6	19	1.7	13	23	9	18	10					
11	86	70	78	1	71	72	0	13	RA BR			0.40	29.02	29.93	1.4	22	3.3	20	21	10	28	11					
12	87	69	78	1	66	70	0	13			0.00		28.94	29.87	1.2	20	3.2	19	28	12	28	12					
13	80	59	70*	-7	58	62	0	5			0.00		29.06	30.02	0.4	36	1.3	15	01	8	01	13					
14	84	59*	72	-5	60	64	0	7	FG+ FG BR		0.00		29.10	30.04			0.6	12	08	8	09	14					
15	87	61	74	-3	62	66	0	9	FG+ BR		0.00		29.08	30.02	0.2	34	0.7	12	15	9	10	15					
16	85	63	74	-2	63	67	0	9			0.00		29.08	30.02	0.2	20	0.8	9	28	7	21	16					
17	84	68	76	0	68	70	0	11	RA BR		0.51		29.05	29.98	0.4	16	1.3	21	30	14	32	17					
18	84	71	78	2	70	72	0	13	RA		T		28.95	29.88	1.3	21	3.8	16	23	10	21	18					
19	87	70	79	3	69	71	0	14	RA		T		28.95	29.88	0.7	23	3.0	15	26	9	07	19					
20	89	68	79	3	70	72	0	14	RA FG BR		1.34		29.07	30.01	1.0	25	2.5	26	01	14	35	20					
21	90	66	78	2	70	72	0	13	BR			0.00	29.16	30.10	0.1	23	0.8	11	33	8	16	21					
22	93	71	82	6	72	75	0	17			0.00		29.10	30.02	0.8	22	2.8	14	28	9	19	22					
23	91	72	82	7	73	75	0	17	RA		0.02		29.03	29.95	0.7	24	1.4	13	28	10	28	23					
24	91	73	82	7	72	75	0	17	BR		0.00		29.02	29.94	0.3	32	1.7	12	35	8	07	24					
25	87	72	80	5	68	72	0	15			0.00		29.10	30.04	0.4	06	1.5	12	08	8	11	25					
26	87	67	77	2	67	70	0	12	FG BR		0.00		29.15	30.09	0.7	08	1.6	10	09	7	07	26					
27	90	66	78	3	64	68	0	13	FG+ FG BR		0.00		29.13	30.06	0.4	08	1.1	12	07	8	07	27					
28	93	66	80	5	68	71	0	15			0.00		29.08	30.01	0.1	04	0.8	10	09	7	09	28					
29	93*	72	83*	8	68	72	0	18	BR		0.00		29.10	30.03	0.3	26	1.4	17	14	12	17	29					
30	90	68	79	5	69	72	0	14	RA FG BR		1.29		29.15	30.09	0.5	23	1.0	24	27	15	18	30					
31	81	70	76	2	70	71	0	11	RA BR		0.10		29.17	30.10	0.9	22	1.5	20	19	10	19	31					
87.2		67.5	77.4	☼	67.1	70.1	0.0	12.6	< MONTHLY AVERAGES TOTALS >				5.89	29.08	30.01	0.3	20	1.7	< MONTHLY AVERAGES								
-0.8	0.3	-0.2	<----- DEPARTURE FROM NORMAL ----->						3.13	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																	
DEGREE DAYS									GREATEST 24-HR PRECIPITATION : 1.70 DATE : 02				SEA LEVEL PRESSURE				DATE TIME										
MONTHLY				SEASON TO DATE					GREATEST 24-HR SNOWFALL :				MAXIMUM :				30.16		30		2007						
TOTAL DEPARTURE				TOTAL DEPARTURE					GREATEST SNOW DEPTH :				MINIMUM :				29.81				12		1713				
HEATING :		0		0		0		0		NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 :		10		MINIMUM TEMP <= 32 :		0		PRECIPITATION >= 0.01 INCH :		9			
COOLING :		391		0		1304		46		MAXIMUM TEMP <= 32 :				0		MINIMUM TEMP <= 0 :		0		HEAVY FOG :		4		PRECIPITATION >= 0.10 INCH :		8	
										THUNDERSTORMS :				0										SNOWFALL >= 1.0 INCH :			

AUGUST 2014
OAK RIDGE, TN

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)
AUGUST 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	T	T	
02	0.53	0.51	0.02			0.01							02						0.01	0.62	T				02	1.70	1.70	
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			T	T	0.19	0.04			T	0.01		T	08	0.03	T			T						08	0.27	0.27		
09													09												09	0.00	0.00	
10	0.10	T							T			T	10	0.11		0.02	T							10	0.26	0.26		
11						T							11			T	0.21	0.04	0.02	0.12	0.01		T	11	0.40	0.40		
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			0.38	0.05	0.01	T			0.07		17	0.51	0.51		
18	T	T	T					T					18				T							18	T	T		
19													19											19	T	T		
20		T											20		T	0.90	0.07	T					T	20	1.34	1.34		
21													21											21	0.00	0.00		
22													22											22	0.00	0.00		
23													23		T		0.02							23	0.02	0.02		
24													24											24	0.00	0.00		
25													25											25	0.00	0.00		
26													26											26	0.00	0.00		
27													27											27	0.00	0.00		
28													28											28	0.00	0.00		
29													29											29	0.00	0.00		
30													30			0.04		T			0.03	0.96	0.02	0.19	0.05	30	1.29	1.29
31	T												31	T	T	0.03	0.01	0.06			T	T	T	31	0.10	0.10		

* 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)	0.35	0.55	0.78	0.85	0.89	0.99	1.03	1.06	1.06	1.06	1.13	1.20
Ending Date	02	30	30	30	30	02	02	02	02	02	30	30
Ending Time (Hr/Min)	2009	2012	2016	2017	2026	0131	0142	0201	0201	0201	2225	2256

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 AUGUST 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	7.00	10.00
02	0.75	10.00
03	0.50	10.00
04	6.00	10.00
05	7.00	10.00
06	7.00	10.00
07	0.50	10.00
08	2.50	10.00
09	7.00	10.00
10	4.00	10.00
11	3.00	10.00
12	10.00	10.00
13	10.00	10.00
14	0.25	10.00
15	0.25	10.00
16	8.00	10.00
17	1.75	10.00
18	8.00	10.00
19	10.00	10.00
20	0.75	10.00
21	0.75	10.00
22	10.00	10.00
23	7.00	10.00
24	6.00	10.00
25	10.00	10.00
26	0.50	10.00
27	0.25	10.00
28	9.00	10.00
29	4.00	10.00
30	2.50	10.00
31	7.00	10.00
AVGS	4.88	10.00
MINIMUM VISIBILITY (MILES)		
	<= .25	<= 3.0 >= 7.0
	3	13 14

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN
AUGUST 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)		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: 0544					AUG 01			SUNSET: 1943					SUNRISE: 0549					AUG 07			SUNSET: 1937				
01	CLR	NC	10.00		68	64	65	87	0	00	29.13	30.06	01	CLR	NC	7.00		73	70	71	90	0	00	29.06	29.97
04	CLR	NC	8.00		66	64	65	93	0	00	29.12	30.05	04	OVC	003	5.00	BR	70	68	69	93	0	00	29.04	29.96
07	CLR	NC	8.00		66	63	64	90	0	00	29.14	30.08	07	OVC	003	3.00	BR	70	68	69	93	0	00	29.09	30.01
10	OVC	060	10.00		76	63	68	64	5	06	29.14	30.08	10	CLR	NC	9.00		77	69	72	77	3	08	29.10	30.04
13	BKN	100	10.00		82	63	70	53	6	08	29.12	30.05	13	CLR	NC	10.00		86	66	73	51	5	08	29.09	30.00
16	OVC	100	10.00		84	60	69	44	5	VR	29.08	30.01	16	CLR	NC	10.00		87	67	73	51	3	VR	29.05	29.97
19	FEW	120	10.00		81	65	70	58	0	00	29.08	30.01	19	CLR	NC	10.00		82	65	71	56	0	00	29.04	29.97
22	BKN	085	10.00		75	68	70	79	0	00	29.10	30.03	22	CLR	NC	10.00		75	68	70	79	0	00	29.06	29.98
SUNRISE: 0545					AUG 02			SUNSET: 1942					SUNRISE: 0549					AUG 08			SUNSET: 1936				
01	OVC	060	0.75	+RA BR	69	67	68	93	3	14	29.13	30.06	01	FEW	100	8.00		73	68	70	84	0	00	29.06	29.97
04	OVC	095	10.00		69	67	68	93	0	00	29.12	30.04	04	OVC	110	6.00	BR	72	69	70	91	0	00	29.05	29.97
07	SCT	110	10.00		69	66	67	90	0	00	29.14	30.08	07	OVC	095	3.00	BR	71	69	70	94	0	00	29.10	30.02
10	SCT	090	10.00		76	66	69	72	0	00	29.16	30.10	10	OVC	009	5.00	BR	73	70	71	90	0	00	29.13	30.06
13	SCT	029	10.00		83	67	72	59	6	07	29.13	30.05	13	OVC	032	10.00		77	69	72	77	3	VR	29.10	30.04
16	FEW	048	10.00		84	62	70	48	5	07	29.08	30.01	16	BKN	040	10.00		80	69	73	69	6	19	29.06	29.98
19	FEW	070	10.00		81	66	71	61	0	00	29.10	30.03	19	CLR	NC	10.00		76	71	73	85	6	20	29.05	29.98
22	BKN	060	8.00		69	67	68	93	0	00	29.13	30.07	22	BKN	110	10.00		73	69	70	87	0	00	29.08	30.01
SUNRISE: 0546					AUG 03			SUNSET: 1941					SUNRISE: 0550					AUG 09			SUNSET: 1935				
01	CLR	NC	5.00	BR	67	65	66	93	0	00	29.15	30.08	01	BKN	070	10.00		72	69	70	91	0	00	29.07	30.00
04	VV	002	0.50	FG	65	64	64	97	0	00	29.15	30.08	04	SCT	120	10.00		72	69	70	91	3	20	29.06	29.98
07	BKN	002	5.00	BR	65	63	64	93	0	00	29.18	30.12	07	OVC	026	10.00		73	69	70	87	3	22	29.10	30.03
10	CLR	NC	10.00		75	66	69	74	0	00	29.18	30.12	10	OVC	026	10.00		75	68	70	79	5	VR	29.12	30.05
13	BKN	055	10.00		81	61	68	51	3	08	29.15	30.09	13	OVC	035	10.00		80	69	73	69	6	22	29.09	30.01
16	CLR	NC	10.00		86	58	68	39	5	VR	29.12	30.04	16	SCT	040	10.00		84	69	74	61	3	29	29.02	29.94
19	CLR	NC	10.00		80	58	66	47	0	00	29.12	30.05	19	BKN	120	10.00		81	72	75	74	0	00	29.01	29.93
22	CLR	NC	10.00		69	63	65	81	0	00	29.14	30.09	22	CLR	NC	8.00		77	73	74	88	0	00	29.04	29.97
SUNRISE: 0546					AUG 04			SUNSET: 1940					SUNRISE: 0551					AUG 10			SUNSET: 1934				
01	CLR	NC	10.00		65	61	63	87	0	00	29.13	30.07	01	BKN	120	6.00	-RA BR	75	73	74	94	0	00	29.03	29.95
04	CLR	NC	8.00		64	61	62	90	0	00	29.13	30.07	04	OVC	036	4.00	BR	75	73	74	94	0	00	29.02	29.93
07	CLR	NC	8.00		64	61	62	90	0	00	29.16	30.10	07	OVC	007	6.00	BR	75	72	73	90	3	20	29.06	29.98
10	CLR	NC	10.00		76	63	68	64	3	07	29.18	30.12	10	OVC	008	9.00		77	73	74	88	3	20	29.08	30.00
13	CLR	NC	10.00		83	60	68	46	5	VR	29.14	30.08	13	BKN	100	10.00		76	72	73	88	0	00	29.06	29.99
16	CLR	NC	10.00		86	57	68	37	5	VR	29.10	30.03	16	OVC	065	4.00	RA BR	77	73	74	88	3	33	29.05	29.98
19	CLR	NC	10.00		83	60	68	46	0	00	29.09	30.02	19	FEW	021	10.00		78	72	74	82	0	00	29.02	29.94
22	CLR	NC	10.00		71	65	67	81	0	00	29.13	30.06	22	OVC	032	10.00		77	74	75	90	0	00	29.05	29.97
SUNRISE: 0547					AUG 05			SUNSET: 1939					SUNRISE: 0552					AUG 11			SUNSET: 1933				
01	CLR	NC	10.00		67	63	65	87	0	00	29.10	30.03	01	OVC	021	10.00		74	71	72	91	0	00	29.05	29.98
04	CLR	NC	8.00		64	62	63	93	0	00	29.10	30.03	04	BKN	010	10.00		76	72	73	88	3	VR	29.03	29.95
07	SCT	060	9.00		66	62	64	87	0	00	29.13	30.07	07	OVC	019	10.00		75	71	72	88	5	VR	29.04	29.96
10	CLR	NC	10.00		79	64	69	60	0	00	29.15	30.09	10	OVC	027	10.00		77	71	73	82	5	VR	29.06	29.98
13	CLR	NC	10.00		86	59	69	40	5	VR	29.13	30.05	13	OVC	036	10.00		82	71	74	69	5	VR	29.02	29.94
16	CLR	NC	10.00		89	58	69	35	5	VR	29.09	30.01	16	BKN	043	10.00		85	73	77	68	0	00	28.95	29.87
19	CLR	NC	10.00		85	59	68	42	0	00	29.09	30.01	19	BKN	110	9.00	-RA	70	68	69	93	8	27	28.97	29.90
22	CLR	NC	10.00		72	66	68	82	0	00	29.10	30.03	22	BKN	120	10.00		71	68	69	90	3	VR	28.99	29.92
SUNRISE: 0548					AUG 06			SUNSET: 1938					SUNRISE: 0553					AUG 12			SUNSET: 1932				
01	CLR	NC	9.00		68	65	66	90	0	00	29.09	30.01	01	BKN	100	10.00		70	68	69	93	0	00	28.97	29.89
04	OVC	090	8.00		68	64	65	87	0	00	29.09	30.00	04	OVC	011	10.00		70	68	69	93	5	20	28.93	29.85
07	OVC	100	8.00		68	64	65	87	0	00	29.10	30.03	07	OVC	043	10.00		72	70	71	94	0	00	28.94	29.88
10			10.00										10	BKN	023	10.00		79	70	73	74	5	11	28.96	29.88
13	SCT	090	10.00		87	66	73	50	7	VR	29.07	29.99	13	SCT	100	10.00		85	69	74	59	9	20	28.93	29.85
16	CLR	NC	10.00		90	68	75	48	3	VR	29.03	29.95	16	BKN	100	10.00		83	66	72	57	7	VR	28.89	29.81
19	CLR	NC	10.00		83	70	74	65	3	08	29.03	29.96	19	CLR	NC	10.00		81	62	69	53	5	VR	28.92	29.85
22	CLR	NC	9.00		75	71	72	88	0	00	29.06		22	SCT	050	10.00		70	64	66	82	0	00	29.01	29.93

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

AUGUST 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)		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: 0553					AUG 13					SUNSET: 1931					SUNRISE: 0558					AUG 19					SUNSET: 1923				
01	CLR	NC	10.00		65	61	63	87	0	00	29.02	29.94	01	CLR	NC	10.00		71	68	69	90	3	VR	28.92	29.84				
04	CLR	NC	10.00		62	59	60	90	0	00	29.02	29.95	04	BKN	070	10.00		71	68	69	90	3	21	28.91	29.84				
07	CLR	NC	10.00		62	58	60	86	0	00	29.07	30.00	07	OVC	004	10.00		71	68	69	90	0	00	28.96	29.89				
10	CLR	NC	10.00		72	56	62	57	3	VR	29.10	30.05	10	BKN	085	10.00		76	69	71	79	6	VR	28.99	29.91				
13	OVC	046	10.00		76	58	65	54	0	00	29.10	30.03	13	BKN	070	10.00		81	69	73	67	8	25	28.97	29.89				
16	SCT	050	10.00		77	58	65	52	6	36	29.08	30.01	16	CLR	NC	10.00		85	68	73	57	6	VR	28.92	29.84				
19	CLR	NC	10.00		72	57	63	59	5	36	29.10	30.04	19	BKN	060	10.00	-RA	78	69	72	74	3	11	28.96	29.88				
22	CLR	NC	10.00		64	60	62	87	0	00	29.13	30.07	22	CLR	NC	10.00		73	70	71	90	0	00	28.98	29.91				
SUNRISE: 0554					AUG 14					SUNRISE: 1929					SUNRISE: 0559					AUG 20					SUNSET: 1922				
01	CLR	NC	10.00		60	58	59	93	0	00	29.10	30.06	01	SCT	075	10.00		72	69	70	91	0	00	29.01	29.93				
04	VV	002	1.00	BR	59	58	58	96	0	00	29.10	30.05	04	BKN	036	10.00		71	69	70	94	0	00	28.99	29.91				
07	VV	002	0.25	FG	59	58	58	96	0	00	29.14	30.09	07	OVC	002	2.00	BR	72	71	71	97	0	00	29.04	29.97				
10	CLR	NC	10.00		73	60	65	64	0	00	29.14	30.09	10	FEW	009	10.00		81	73	75	77	3	VR	29.07	29.99				
13	CLR	NC	10.00		81	59	67	47	3	VR	29.10	30.04	13	FEW	028	10.00		87	74	78	65	3	VR	29.07	29.99				
16	CLR	NC	10.00		83	60	68	46	0	00	29.06	29.99	16	BKN	110	10.00		75	70	72	84	0	00	29.05	29.98				
19	CLR	NC	10.00		80	61	68	52	0	00	29.05	29.98	19	BKN	110	10.00		74	71	72	91	3	VR	29.19	30.13				
22	CLR	NC	10.00		69	64	66	84	0	00	29.08	30.02	22	FEW	011	10.00		70	68	69	93	3	28	29.18	30.12				
SUNRISE: 0555					AUG 15					SUNRISE: 1928					SUNRISE: 0560					AUG 21					SUNSET: 1921				
01	CLR	NC	9.00		65	63	64	93	0	00	29.08	30.01	01	CLR	NC	10.00		68	67	67	96	0	00	29.16	30.09				
04	CLR	NC	10.00		63	61	62	93	0	00	29.08	30.01	04	OVC	002	7.00		66	65	65	96	0	00	29.14	30.09				
07	VV	002	0.25	FG	61	60	60	97	0	00	29.10	30.05	07	VV	002	0.75	BR	67	66	66	97	0	00	29.18	30.13				
10	CLR	NC	10.00		76	63	68	64	0	00	29.12	30.05	10	SCT	006	10.00		73	68	70	84	0	00	29.22	30.16				
13	FEW	050	10.00		85	59	68	42	0	00	29.08	30.01	13	CLR	NC	10.00		84	72	76	67	0	00	29.20	30.14				
16	SCT	095	10.00		86	60	69	42	0	00	29.05	29.98	16	FEW	039	10.00		89	72	77	57	3	VR	29.13	30.06				
19	CLR	NC	10.00		80	63	69	56	3	32	29.06	29.99	19	CLR	NC	10.00		85	73	77	68	3	14	29.13	30.06				
22	CLR	NC	10.00		70	65	67	84	0	00	29.08	30.01	22	CLR	NC	10.00		78	74	75	87	0	00	29.14	30.07				
SUNRISE: 0556					AUG 16					SUNRISE: 1927					SUNRISE: 0601					AUG 22					SUNSET: 1920				
01	CLR	NC	9.00		66	64	65	93	0	00	29.07	30.00	01	CLR	NC	10.00		75	73	74	94	0	00	29.14	30.06				
04	CLR	NC	8.00		64	61	62	90	0	00	29.07	30.00	04	CLR	NC	10.00		74	71	72	91	0	00	29.12	30.03				
07	CLR	NC	9.00		64	61	62	90	0	00	29.10	30.04	07	FEW	003	10.00		74	71	72	91	0	00	29.14	30.07				
10	CLR	NC	10.00		74	61	66	64	3	VR	29.12	30.06	10	SCT	047	10.00		83	73	76	72	6	25	29.15	30.08				
13	CLR	NC	10.00		81	61	68	51	0	00	29.13	30.06	13	CLR	NC	10.00		90	72	77	56	5	VR	29.12	30.03				
16	CLR	NC	10.00		84	63	70	49	0	00	29.08	30.01	16	SCT	050	10.00		91	69	76	49	5	VR	29.07	29.98				
19	CLR	NC	10.00		79	67	71	67	0	00	29.07	30.00	19	CLR	NC	10.00		87	72	76	61	6	21	29.04	29.96				
22	CLR	NC	10.00		73	68	70	84	0	00	29.08	30.01	22	CLR	NC	10.00		79	74	76	85	0	00	29.09	30.01				
SUNRISE: 0557					AUG 17					SUNRISE: 1926					SUNRISE: 0601					AUG 23					SUNSET: 1918				
01	CLR	NC	10.00		71	68	69	90	0	00	29.07	30.00	01	CLR	NC	10.00		76	72	73	88	0	00	29.06	29.98				
04	OVC	065	7.00		70	67	68	90	0	00	29.06	29.98	04	CLR	NC	9.00		73	71	72	94	0	00	29.05	29.96				
07	CLR	NC	6.00	BR	69	67	68	93	0	00	29.09	30.02	07	SCT	055	10.00		74	71	72	91	0	00	29.07	29.99				
10	FEW	047	10.00		77	67	70	71	3	18	29.08	30.01	10	CLR	NC	10.00		85	73	77	68	0	00	29.07	29.98				
13	CLR	NC	10.00		83	68	73	61	5	22	29.06	29.98	13	BKN	050	10.00		87	72	76	61	6	27	29.06	29.97				
16	BKN	120	10.00	-RA	72	69	70	91	0	00	29.05	29.98	16	BKN	065	10.00		91	73	78	56	6	27	29.01	29.92				
19	SCT	100	10.00		72	69	70	91	3	22	29.01	29.94	19	FEW	046	10.00		84	74	77	72	0	00	28.98	29.90				
22	BKN	090	10.00		72	70	71	94	0	00	29.03	29.96	22	CLR	NC	9.00		78	75	76	90	0	00	29.03	29.94				
SUNRISE: 0557					AUG 18					SUNRISE: 1925					SUNRISE: 0602					AUG 24					SUNSET: 1917				
01	BKN	038	10.00		72	69	70	91	0	00	28.99	29.91	01	CLR	NC	7.00		76	74	75	94	0	00	29.01	29.92				
04	BKN	035	8.00		71	69	70	94	0	00	28.97	29.90	04	CLR	NC	6.00	BR	74	72	73	94	0	00	28.97	29.88				
07	OVC	007	10.00		72	69	70	91	5	VR	28.98	29.91	07	BKN	110	8.00		75	73	74	94	0	00	29.03	29.95				
10	OVC	017	10.00		74	70	71	88	6	VR	29.00	29.93	10	BKN	018	10.00		82	73	76	74	3	VR	29.06	29.98				
13	OVC	045	10.00		78	69	72	74	6	VR	28.95	29.88	13	BKN	032	10.00		84	73	76	70	5	29	29.05	29.96				
16	BKN	080	10.00		79	71	74	77	6	20	28.90	29.83	16	CLR	NC	10.00		91	71	77	52	3	VR	29.00	29.91				
19	BKN	055	10.00		77	71	73	82	6	VR	28.93	29.85	19	CLR	NC	10.00		85	71	75	63	0	00	29.01	29.93				
22	OVC	014	10.00		73	71	72	94	3	22	28.94	29.87	22	CLR	NC	10.00		78	72	74	82	0	00	29.07	29.98				

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

AUGUST 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	
SUNRISE: 0603					AUG 25					SUNSET: 1916			
01	OVC	034	10.00		79	70	73	74	0	00	29.10	30.01	
04	BKN	025	10.00		74	70	71	88	0	00	29.10	30.02	
07	BKN	060	10.00		72	68	69	87	0	00	29.13	30.06	
10	BKN	050	10.00		78	67	71	69	0	00	29.15	30.08	
13	OVC	029	10.00		82	68	73	63	0	00	29.13	30.05	
16	CLR	NC	10.00		85	67	73	55	3	VR	29.09	30.00	
19	CLR	NC	10.00		82	69	73	65	3	09	29.07	29.99	
22	CLR	NC	10.00		73	70	71	90	0	00	29.13	30.05	
SUNRISE: 0604					AUG 26					SUNSET: 1914			
01	CLR	NC	10.00		71	68	69	90	0	00	29.14	30.07	
04	BKN	038	8.00		69	67	68	93	0	00	29.14	30.07	
07	OVC	002	1.50	BR	67	66	66	97	0	00	29.18	30.12	
10	CLR	NC	10.00		77	65	69	66	3	VR	29.22	30.15	
13	BKN	033	10.00		83	67	72	59	3	VR	29.18	30.11	
16	FEW	042	10.00		86	66	73	51	3	15	29.12	30.04	
19	CLR	NC	10.00		81	67	72	62	3	06	29.12	30.05	
22	CLR	NC	10.00		71	68	69	90	0	00	29.14	30.08	
SUNRISE: 0604					AUG 27					SUNSET: 1913			
01	CLR	NC	10.00		68	66	67	93	0	00	29.13	30.06	
04	BKN	002	9.00		66	64	65	93	0	00	29.13	30.06	
07	VV	002	0.25	FG	66	66	66	100	0	00	29.17	30.11	
10	CLR	NC	10.00		77	67	70	71	3	VR	29.18	30.12	
13	CLR	NC	10.00		85	64	71	50	0	00	29.14	30.08	
16	CLR	NC	10.00		88	58	69	36	6	08	29.10	30.03	
19	CLR	NC	10.00		81	64	70	57	0	00	29.08	30.01	
22	CLR	NC	10.00		71	66	68	84	0	00	29.12	30.05	
SUNRISE: 0605					AUG 28					SUNSET: 1912			
01	CLR	NC	10.00		68	65	66	90	0	00	29.10	30.02	
04	CLR	NC	10.00		67	65	66	93	0	00	29.10	30.02	
07	CLR	NC	10.00		68	64	65	87	0	00	29.12	30.05	
10	CLR	NC	10.00		81	67	72	62	0	00	29.13	30.05	
13	CLR	NC	10.00		87	68	74	53	3	26	29.09	30.01	
16	CLR	NC	10.00		91	66	74	44	5	VR	29.05	29.97	
19	FEW	120	10.00		84	69	74	61	0	00	29.05	29.98	
22	CLR	NC	10.00		76	72	73	88	0	00	29.08	30.00	
SUNRISE: 0606					AUG 29					SUNSET: 1910			
01	CLR	NC	8.00		74	71	72	91	0	00	29.09	30.00	
04	CLR	NC	6.00	BR	73	70	71	90	0	00	29.09	30.00	
07	CLR	NC	5.00	BR	73	70	71	90	0	00	29.13	30.05	
10	CLR	NC	10.00		83	71	75	67	0	00	29.14	30.07	
13	FEW	046	10.00		90	67	74	47	5	VR	29.12	30.03	
16	FEW	065	10.00		93	62	72	36	8	26	29.08	29.99	
19	CLR	NC	10.00		86	65	72	49	0	00	29.09	30.00	
22	CLR	NC	10.00		74	69	71	85	0	00	29.13	30.05	
SUNRISE: 0607					AUG 30					SUNSET: 1909			
01	FEW	095	10.00		72	68	69	87	0	00	29.15	30.08	
04	CLR	NC	10.00		70	67	68	90	0	00	29.16	30.08	
07	BKN	080	6.00	BR	69	67	68	93	0	00	29.18	30.11	
10	SCT	075	10.00		82	68	73	63	0	00	29.19	30.12	
13	OVC	090	10.00		87	67	73	51	3	20	29.17	30.09	
16	BKN	095	10.00		81	71	74	72	0	00	29.12	30.05	
19	BKN	095	10.00		79	73	75	82	0	00	29.12	30.05	
22	BKN	055	6.00	-RA BR	72	70	71	94	3	15	29.16	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: 0608					AUG 31					SUNSET: 1908			
01	OVC	016	10.00		72	70	71	94	0	00	29.18	30.10	
04	CLR	NC	10.00		71	69	70	94	0	00	29.17	30.11	
07	CLR	NC	10.00		71	69	70	94	0	00	29.19	30.13	
10	OVC	012	10.00		73	69	70	87	6	22	29.21	30.14	
13	OVC	032	10.00		78	70	73	76	0	00	29.18	30.11	
16	BKN	090	10.00		79	74	76	85	3	21	29.13	30.06	
19	CLR	NC	10.00		73	70	71	90	0	00	29.14	30.08	
22	CLR	NC	10.00		72	70	71	94	0	00	29.15	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.

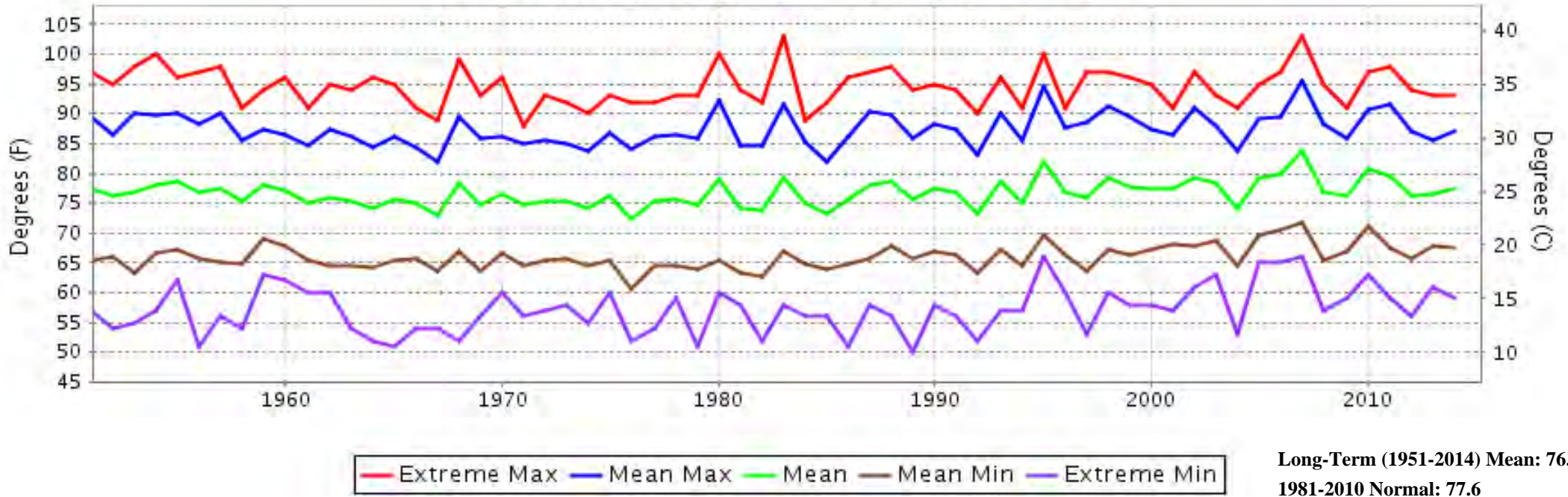
& = Original observation contained additional weather elements.

See page 3 for additional notes.

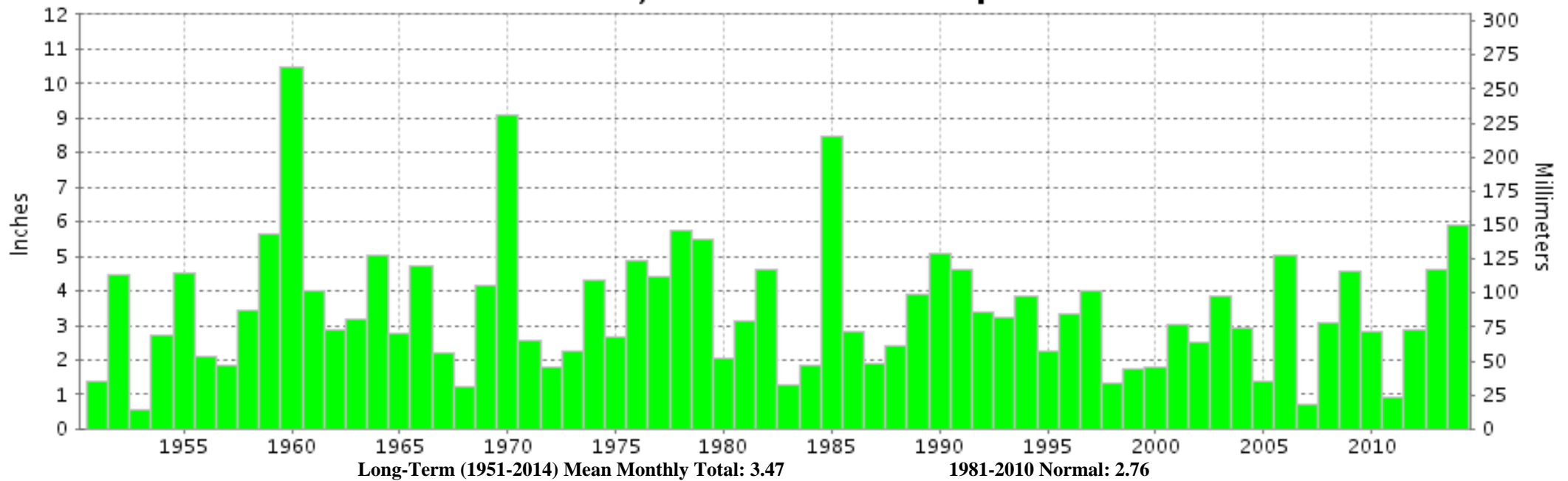
SUMMARY BY HOUR

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	70	67	69	90	29.08	30.00	8.99	0	XX	XX
02	70	67	68	91	29.07	30.00	8.94	0	XX	XX
03	69	67	68	91	29.07	29.99	8.84	0	XX	XX
04	69	67	67	92	29.07	30.00	7.95	0	XX	XX
05	69	66	67	93	29.08	30.00	7.38	0	XX	XX
06	68	66	67	93	29.09	30.02	6.93	1	1	14
07	69	66	67	92	29.10	30.04	6.74	1	XX	XX
08	71	67	68	88	29.11	30.05	8.05	2	0	20
09	74	67	70	80	29.12	30.05	9.32	2	0	15
10	77	67	71	72	29.12	30.05	9.77	2	1	12
11	80	67	72	66	29.12	30.05	9.87	3	1	25
12	82	67	72	61	29.11	30.03	9.90	4	1	26
13	83	67	72	59	29.09	30.02	10.00	4	1	26
14	84	67	72	56	29.08	30.00	10.00	3	1	26
15	84	66	72	56	29.06	29.99	9.44	4	XX	XX
16	85	66	72	56	29.05	29.98	9.81	4	1	25
17	84	67	72	58	29.05	29.97	9.90	3	1	10
18	82	67	72	61	29.05	29.97	9.77	3	1	11
19	80	67	72	67	29.06	29.98	9.97	2	0	23
20	77	69	71	77	29.06	29.99	9.90	1	3	26
21	74	69	70	84	29.07	30.00	9.47	0	XX	XX
22	73	69	70	87	29.08	30.02	9.68	0	XX	XX
23	72	68	70	88	29.09	30.01	9.48	1	1	25
24	71	68	69	88	29.09	30.01	9.58	0	XX	XX

OAK RIDGE, TN AUGUST Temperatures



OAK RIDGE, TN AUGUST Precipitation





**AUGUST 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 and choose Most Popular.

We welcome your questions or comments, please contact us at:
(828) 271-4800, option 2
Fax Number : 828-271-4876
TDD : (828) 271-4010
or Email : ncdc.orders@noaa.gov

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