



AUGUST 2005

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

OAK RIDGE, TN

OAK RIDGE (OQT)
 Lat: 36°01' N Long: 84°14' W Elev (Ground): 913 Feet
 Time Zone: EASTERN WBAN: 53868 ISSN #: -

DATE	TEMPERATURE °F						DEG DAYS BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES						DATE	
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		0700 LST	1300 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM				
																			5-SEC		2-MIN		
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	89	68	79	1	68	71	0	14	BR				0.00	29.16	30.09	0.8	05	2.2	14	07	10	07	01
02	91	68	80	2	66	70	0	15	FG+ BR HZ				0.00	29.15	30.07	1.2	03	2.6	14	05	9	01	02
03	93	68	81	4	67	71	0	16	BR HZ				0.00	29.11	30.04	0.3	01	1.7	12	01	8	36	03
04	92	69	81	4	68	72	0	16	BR HZ				0.00	29.16	30.09	0.4	31	1.4	12	28	9	34	04
05	94	69	82	5	67	71	0	17	BR HZ				0.00	29.18	30.10	0.3	09	2.2	18	22	14	21	05
06	90	68	79	2	67	70	0	14	RA BR HZ				0.02	29.15	30.08	0.2	11	2.0	26	13	20	13	06
07	75	68	72*	-5	67	69	0	7	RA BR				0.04	29.15	30.09	1.1	06	2.1	10	06	8	05	07
08	80	67	74	-3	68	69	0	9	RA BR				0.55	29.14	30.08	1.5	06	3.2	14	06	9	05	08
09	88	68	78	1	68	71	0	13	BR				0.00	29.10	30.03	0.6	11	1.2	10	02	7	07	09
10	91	70	81	4	68	72	0	16	FG+ BR HZ				0.00	29.08	30.01	0.7	03	1.7	12	06	9	07	10
11	93	69	81	4	68	72	0	16	FG+ BR HZ				0.00	29.10	30.03	0.7	07	1.6	10	05	8	06	11
12	93	69	81	4	69	73	0	16	FG+ BR HZ				0.00	29.09	30.01	0.4	27	1.8	12	29	9	19	12
13	91	71	81	4	70	72	0	16	RA BR HZ				0.10	29.06	29.98	0.5	09	1.5	22	33	15	33	13
14	89	70	80	3	70	73	0	15	BR HZ				0.00	29.10	30.02	0.7	12	1.6	9	13	8	13	14
15	95*	72	84	7	70	73	0	19	BR				0.00	29.16	30.08	0.1	23	2.0	17	27	13	27	15
16	94	68	81	5	70	73	0	16	FG+ BR				0.00	29.12	30.04	0.5	32	2.6	12	20	9	19	16
17	90	72	81	5	70	73	0	16	RA BR				0.16	29.05	29.97	0.9	07	3.4	17	23	10	24	17
18	85	72	79	3	71	73	0	14	RA BR				0.23	29.05	29.98	0.7	20	2.4	12	20	8	18	18
19	93	72	83	7	73	75	0	18	BR HZ				0.00	29.09	30.02	1.9	22	3.9	15	26	10	26	19
20	93	75	84*	8	74	77	0	19	RA BR HZ				0.04	29.12	30.04	0.2	18	2.1	18	22	12	22	20
21	92	74	83	7	73	76	0	18	FG+ BR				0.00	29.08	29.99	0.4	06	1.1	10	22	8	06	21
22	91	72	82	6	65	70	0	17	BR				0.00	29.01	29.93	1.5	03	2.8	13	05	10	06	22
23	87	68	78	3	67	70	0	13	RA				T	29.01	29.93	1.1	10	1.3	10	13	8	12	23
24	92	68	80	5	66	70	0	15	BR				0.00	29.09	30.01	0.8	02	2.5	13	07	10	05	24
25	88	67	78	3	68	71	0	13	BR HZ				0.00	29.18	30.11	0.8	20	3.0	15	22	10	21	25
26	85	70	78	3	67	70	0	13	BR HZ				0.00	29.08	30.01	1.4	22	3.2	17	21	12	21	26
27	85	70	78	3	67	70	0	13	RA BR HZ				T	28.98	29.91	0.7	25	2.7	15	25	9	21	27
28	90	70	80	5	68	72	0	15	RA BR HZ				T	28.98	29.90	2.2	07	3.3	10	15	8	07	28
29	84	70	77	2	70	72	0	12	RA BR HZ				0.19	28.92	29.85	1.9	05	3.5	13	05	10	06	29
30	83	72	78	4	69	71	0	13	RA BR				0.07	28.68	29.59	6.3	19	10.3	39*	17	25*	19	30
31	86	65*	76	2	62	67	0	11					0.00	28.93	29.86	2.7	24	5.1	17	27	13	23	31

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OAK RIDGE, TN

89.1			69.6			79.4			■ ■		68.4		71.6		0.0		14.7		< MONTHLY AVERAGES		TOTALS-->		1.40		29.07		30.00		0.3		17		2.7		<-- MONTHLY AVERAGES	
1.9			4.4			3.2			■ ■		<-----DEPARTURE FROM NORMAL----->										-1.99		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3													
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 0.57 DATE :07-08										SEA LEVEL PRESSURE DATE TIME																
MONTHLY TOTAL DEPARTURE					SEASON TO DATE TOTAL DEPARTURE					GREATEST 24-HR SNOWFALL:					DATE :					MAXIMUM MINIMUM					: 30.16 25 0853					: 29.51 30 1153						
HEATING: 0 0					0 0					NUMBER OF DAYS WITH =>					MAXIMUM TEMP ≥ 90: 18					MINIMUM TEMP ≤ 32: 0					PRECIPITATION ≥ 0.01 INCH : 9											
COOLING: 455 108					1275 178										MAXIMUM TEMP ≤ 32 : 0					MINIMUM TEMP ≤ 0 : 0					PRECIPITATION ≥ 0.10 INCH : 5											
															THUNDERSTORMS : 0					HEAVY FOG : 6					SNOWFALL ≥ 1.0 INCH :											

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN

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WBAN # 53868

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note)	2400 LST	
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			Water	Equiv.
01													01												01		0.00		
02													02												02		0.00		
03													03												03		0.00		
04													04												04		0.00		
05													05												05		0.00		
06													06												06		0.02		
07													07												07		0.04		
08													08												08		0.55		
09													09												09		0.00		
10													10												10		0.00		
11													11												11		0.00		
12													12												12		0.00		
13													13												13		0.10		
14													14												14		0.00		
15													15												15		0.00		
16													16												16		0.00		
17													17												17		0.16		
18													18												18		0.23		
19													19												19		0.00		
20													20												20		0.04		
21													21												21		0.00		
22													22												22		0.00		
23													23												23		T		
24													24												24		0.00		
25													25												25		0.00		
26													26												26		0.00		
27													27												27		T		
28													28												28		T		
29													29												29		0.19		
30													30												30		0.07		
31													31												31		0.00		

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.15	.21	.22	.22	.22	.22	.22	.24	.30	.33	.36	.37
Ending Date	18	18	18	18	18	18	18	08	08	08	08	08
Ending Time (Hour/Min)	0510	0511	0511	0511	0511	0511	0511	0544	0544	0544	0736	0736

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. 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.

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		
	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	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

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

OAK RIDGE, TN AUGUST 2005

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:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR–SS		MN–MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							4.00	10.00	
02							.25	10.00	
03							3.00	10.00	
04							2.00	8.00	
05							2.00	10.00	
06							4.00	8.00	
07							3.00	10.00	
08							3.00	10.00	
09							4.00	10.00	
10							<.25	10.00	
11							.25	9.00	
12							<.25	10.00	
13							3.00	10.00	
14							2.50	9.00	
15							2.50	10.00	
16							.25	10.00	
17							6.00	10.00	
18							4.00	10.00	
19							4.00	10.00	
20							4.00	10.00	
21							.25	10.00	
22							4.00	10.00	
23							7.00	10.00	
24							4.00	10.00	
25							3.00	9.00	
26							4.00	8.00	
27							4.00	9.00	
28							1.00	10.00	
29							2.50	9.00	
30							5.00	10.00	
31							8.00	10.00	
MONTHLY AVGS							3.05	9.65	
SUNSHINE (MINUTES)									
Total: Possible: Percent Possible:									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING									
31									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0									
6 17 2									

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

AUGUST 2005

OQT

WBAN # 53868

HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)					
	SKY COVER	CEILING 100'S OF FT			OBSERVATION TIME (LST)	EFF CLD AMT Oktas	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL			SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)		EFF CLD AMT Oktas	DRY BULB	DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0554 AUG 13 SUNSET: 1930																													
01	CLR	NC	7.00		76	70	72	82	0	00	29.06	29.98	01	CLR	NC	7.00		73	71	72	94	0	00	29.07	29.99				
04	CLR	NC	6.00	BR	73	70	71	90	0	00	29.06	29.97	04	CLR	NC	8.00		72	70	71	94	3	22	29.07	30.00				
07	SCT	NC	3.00	BR	72	70	71	94	3	05	29.08	30.01	07	OVC	010	5.00	BR	74	71	72	91	0	00	29.11	30.05				
10	CLR	NC	5.00	HZ	81	72	75	74	0	00	29.08	30.01	10	OVC	008	5.00	HZ	77	72	74	85	5	VR	29.14	30.07				
13	CLR	NC	8.00		90	71	77	54	5	VR	29.04	29.95	13	CLR	NC	10.00		88	74	78	63	6	VR	29.10	30.02				
16	CLR	NC	10.00	-RA	75	69	71	82	6	09	29.05	29.98	16	CLR	NC	10.00		92	73	78	54	8	20	29.06	29.97				
19	BKN	009	4.00	BR	73	71	72	94	0	00	29.05	29.98	19	CLR	NC	10.00		89	73	78	59	6	21	29.07	29.98				
22	CLR	NC	5.00	BR	72	70	71	94	0	00	29.07	29.99	22	CLR	NC	9.00		80	75	77	85	0	00	29.11	30.04				
SUNRISE: 0555 AUG 14 SUNSET: 1929																													
01	CLR	NC	5.00	BR	72	69	70	91	0	00	29.06	29.97	01	CLR	NC	7.00		78	75	76	90	3	VR	29.11	30.03				
04	OVC	004	5.00	BR	70	68	69	93	0	00	29.06	29.99	04	CLR	NC	8.00		76	73	74	91	5	VR	29.12	30.04				
07	OVC	006	2.50	BR	71	69	70	94	0	00	29.12	30.06	07	BKN	008	7.00		76	72	73	88	0	00	29.16	30.09				
10	BKN	013	7.00		77	69	72	77	0	00	29.13	30.07	10	CLR	NC	10.00		85	74	77	70	3	VR	29.18	30.10				
13	CLR	NC	7.00		85	70	75	61	0	00	29.10	30.03	13	FEW	NC	10.00		93	73	79	52	7	VR	29.12	30.03				
16	BKN	041	8.00		88	71	76	57	5	12	29.07	29.99	16	FEW	NC	10.00		88	77	80	70	0	00	29.07	29.98				
19	SCT	NC	8.00		87	72	76	61	6	18	29.08	30.00	19	CLR	NC	10.00		90	75	79	62	3	VR	29.08	30.01				
22	CLR	NC	6.00	HZ	79	73	75	82	0	00	29.12	30.05	22	CLR	NC	7.00		81	77	78	88	0	00	29.10	30.02				
SUNRISE: 0555 AUG 15 SUNSET: 1928																													
01	CLR	NC	4.00	BR	77	73	74	88	0	00	29.13	30.06	01	CLR	NC	5.00	BR	78	76	77	93	0	00	29.09	30.01				
04	CLR	NC	5.00	BR	74	71	72	91	0	00	29.13	30.05	04	SCT	NC	1.00	BR	75	74	74	96	0	00	29.09	30.01				
07	FEW	NC	2.50	BR	73	70	71	90	0	00	29.17	30.10	07	VV	001	0.25	FG	74	73	73	97	0	00	29.12	30.04				
10	CLR	NC	10.00		83	67	72	59	5	14	29.20	30.12	10	CLR	NC	10.00		86	73	77	65	6	06	29.12	30.04				
13	CLR	NC	10.00		91	69	76	49	3	VR	29.16	30.08	13	CLR	NC	10.00		90	74	78	59	5	VR	29.09	30.01				
16	BKN	060	10.00		93	69	76	46	0	00	29.10	30.02	16	BKN	050	10.00		90	70	76	52	0	00	29.05	29.96				
19	CLR	NC	10.00		81	67	72	62	3	VR	29.13	30.06	19	FEW	NC	10.00		86	71	76	61	0	00	29.03	29.95				
22	CLR	NC	9.00		76	69	71	79	3	33	29.16	30.09	22	CLR	NC	10.00		78	73	75	85	0	00	29.05	29.96				
SUNRISE: 0556 AUG 16 SUNSET: 1926																													
01	CLR	NC	8.00		73	69	70	87	0	00	29.15	30.07	01	FEW	NC	8.00		75	72	73	90	0	00	29.04	29.96				
04	SCT	NC	4.00	BR	70	68	69	93	0	00	29.14	30.06	04	FEW	NC	5.00	BR	73	70	71	90	0	00	29.02	29.93				
07	OVC	001	1.00	BR	69	68	68	96	0	00	29.15	30.09	07	FEW	NC	10.00		73	66	69	79	0	00	29.04	29.95				
10	CLR	NC	10.00		84	69	74	61	5	VR	29.16	30.09	10	CLR	NC	10.00		81	65	70	58	7	07	29.05	29.96				
13	FEW	NC	10.00		91	68	75	47	6	VR	29.13	30.05	13	CLR	NC	10.00		86	66	73	51	5	VR	29.04	29.95				
16	BKN	080	10.00		92	68	75	46	6	34	29.06	29.97	16	CLR	NC	10.00		90	58	69	34	8	36	28.97	29.88				
19	CLR	NC	10.00		86	72	76	63	3	06	29.07	29.99	19	SCT	NC	10.00		84	62	70	48	3	35	28.96	29.88				
22	SCT	NC	10.00		81	73	75	77	3	26	29.11	30.03	22	OVC	100	10.00		77	66	70	69	0	00	28.99	29.91				
SUNRISE: 0557 AUG 17 SUNSET: 1925																													
01	CLR	NC	10.00		76	69	71	79	5	08	29.09	30.01	01	CLR	NC	10.00		72	67	69	84	0	00	28.99	29.91				
04	FEW	NC	10.00		73	69	70	87	0	00	29.08	30.00	04	CLR	NC	10.00		69	66	67	90	0	00	28.98	29.90				
07	CLR	NC	10.00		73	69	70	87	0	00	29.08	30.00	07	BKN	085	10.00		70	66	67	87	0	00	29.02	29.94				
10	CLR	NC	10.00		81	69	73	67	3	35	29.08	30.00	10	SCT	NC	8.00		76	67	70	74	0	00	29.04	29.96				
13	OVC	039	10.00		87	69	75	55	5	09	29.05	29.96	13	FEW	NC	10.00		81	67	72	62	5	08	29.03	29.95				
16	FEW	NC	10.00		90	69	75	50	6	VR	28.99	29.90	16	CLR	NC	10.00		86	65	72	50	6	12	28.99	29.91				
19	FEW	NC	10.00		78	72	74	82	5	09	29.01	29.94	19	CLR	NC	10.00		82	66	71	58	0	00	28.99	29.91				
22	OVC	095	7.00		76	73	74	91	9	26	29.06	29.98	22	CLR	NC	10.00		74	68	70	82	0	00	29.03	29.96				
SUNRISE: 0558 AUG 18 SUNSET: 1924																													
01	BKN	006	10.00		72	70	71	94	3	13	29.05	29.97	01	CLR	NC	5.00	BR	71	68	69	90	0	00	29.03	29.96				
04	BKN	065	10.00		72	70	71	94	0	00	29.04	29.96	04	CLR	NC	6.00	BR	69	66	67	90	0	00	29.04	29.96				
07	OVC	095	9.00		72	70	71	94	0	00	29.06	29.98	07	CLR	NC	4.00	BR	69	66	67	90	0	00	29.08	30.01				
10	BKN	016	10.00		78	71	73	79	5	VR	29.08	30.01	10	CLR	NC	10.00		80	66	71	62	6	VR	29.11	30.04				
13	SCT	NC	7.00		84	72	76	67	5	VR	29.06	29.98	13	CLR	NC	10.00		86	64	71	48	5	07	29.09	30.01				
16	FEW	NC	10.00	-RA	77	71	73	82	6	VR	29.03	29.96	16	CLR	NC	10.00		91	61	71	37	7	35	29.07	29.98				
19	CLR	NC	10.00		75	72	73	90	3	VR	29.04	29.97	19	CLR	NC	10.00		84	67	73	57	0	00	29.08	30.01				
22	BKN	005	9.00		74	72	73	94	0	00	29.08	30.01	22	CLR	NC	9.00		75	68	70	79	0	00	29.14	30.07				

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

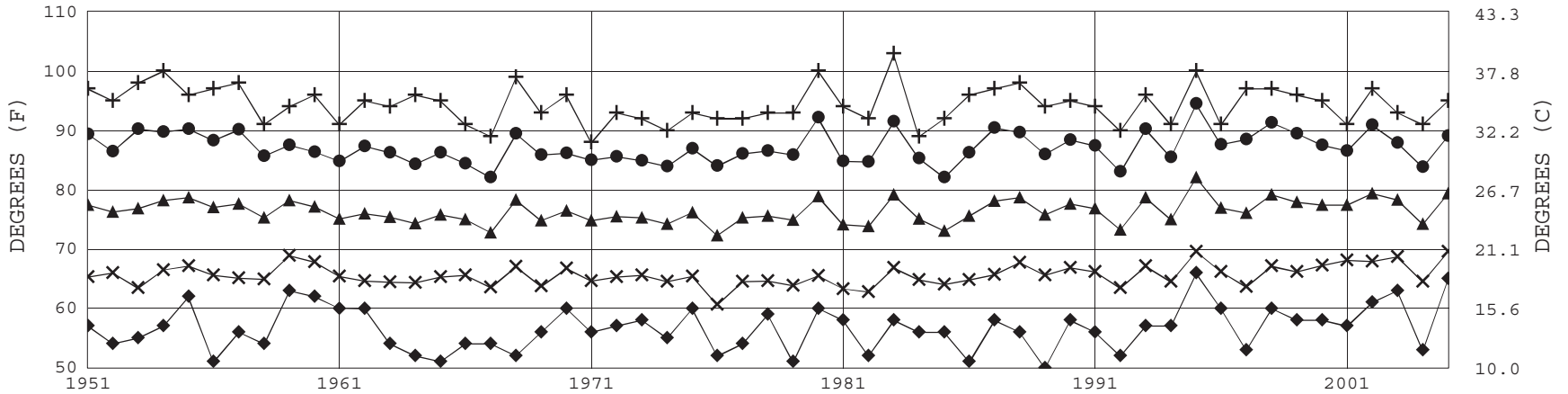
AUGUST 2005

OQT

WBAN # 53868

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		OBSERVATION TIME (LST)	EFF CLD AMT Okta	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		OBSERVATION TIME (LST)	EFF CLD AMT Okta	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)	
	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)					SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)		SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL												
SUNRISE: 0603										AUG 25				SUNSET: 1915				SUNRISE: 0608										AUG 31				SUNSET: 1907			
01	CLR	NC						9.00		74	67	69	79	0	00	29.16	30.09	01	OVC	030						10.00		73	64	67	74	9	23	28.81	29.72
04	CLR	NC						5.00	BR	69	66	67	90	3	08	29.16	30.09	04	OVC	032						10.00		72	64	67	76	7	VR	28.85	29.78
07	CLR	NC						3.00	BR	68	65	66	90	3	VR	29.21	30.14	07	FEW	NC						8.00		69	63	65	81	6	VR	28.92	29.85
10	CLR	NC						7.00		79	66	70	65	0	00	29.23	30.16	10	CLR	NC						10.00		75	62	67	64	8	25	28.95	29.88
13	BKN	038						7.00		86	67	73	53	5	VR	29.20	30.13	13	BKN	041						10.00		83	63	70	51	8	25	28.94	29.86
16	SCT	NC						7.00		85	69	74	59	6	VR	29.15	30.08	16	FEW	NC						10.00		86	59	69	40	8	26	28.92	29.84
19	BKN	065						8.00		82	68	73	63	3	VR	29.15	30.08	19	CLR	NC						10.00		80	59	67	49	0	00	28.95	29.88
22	SCT	NC						7.00		77	70	72	79	0	00	29.17	30.10	22	CLR	NC						10.00		68	63	65	84	0	00	29.01	29.94
SUNRISE: 0604										AUG 26				SUNSET: 1914				3-HOURLY OBSERVATION NOTES																	
01	CLR	NC						6.00	HZ	74	69	71	85	0	00	29.14	30.07	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, VV = Vertical Visibility = 8/8.																	
04	CLR	NC						6.00	HZ	71	66	68	84	0	00	29.13	30.06	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																	
07	OVC	075						4.00	BR	71	67	68	87	3	21	29.14	30.07	NC= No ceiling detected.																	
10	SCT	NC						6.00	HZ	76	67	70	74	5	VR	29.14	30.07	& = Original observation contained additional weather elements.																	
13	CLR	NC						8.00		83	65	71	55	12	21	29.09	30.02	See page 3 for additional notes.																	
16	CLR	NC						8.00		82	65	71	56	6	VR	29.03	29.95																		
19	FEW	NC						6.00	HZ	79	67	71	67	0	00	29.01	29.93																		
22	BKN	080						6.00	HZ	75	69	71	82	0	00	29.01	29.94																		
SUNRISE: 0605										AUG 27				SUNSET: 1912				SUMMARY BY HOUR																	
01	CLR	NC						5.00	HZ	74	69	71	85	0	00	28.99	29.91	AVERAGES																	
04	CLR	NC						4.00	BR	72	68	69	87	3	22	28.96	29.88	RESULTANT WIND (MPH)																	
07	OVC	100						4.00	HZ	72	67	69	84	0	00	29.00	29.92	HOUR (LST)																	
10	BKN	055						7.00		77	65	69	66	7	VR	28.92	29.94	CEILOMETER																	
13	BKN	042						8.00		80	65	70	60	6	VR	28.99	29.91	EFF CLD AMT																	
16	SCT	NC						8.00		85	65	72	51	5	VR	28.96	29.88	DRY BULB																	
19	CLR	NC						7.00		81	67	72	62	0	00	28.95	29.87	DEW POINT																	
22	CLR	NC						5.00	HZ	75	69	71	82	0	00	28.99	29.91	WET BULB																	
SUNRISE: 0606										AUG 28				SUNSET: 1911				PRESSURE (INCHES, HG)																	
01	CLR	NC						4.00	BR	73	69	70	87	0	00	28.99	29.91	STATION																	
04	CLR	NC						2.50	BR	71	68	69	90	3	07	28.96	29.88	SEA LEVEL																	
07	BKN	002						1.25	BR	72	69	70	91	3	05	29.00	29.93	VISIBILITY (MILES)																	
10	CLR	NC						5.00	HZ	79	69	72	72	5	12	29.03	29.95	WIND SPEED (MPH)																	
13	SCT	NC						6.00	HZ	87	68	74	53	3	VR	28.99	29.91	SPEED																	
16	SCT	NC						7.00		88	67	74	50	5	VR	28.93	29.85	DIRECTION																	
19	BKN	060						6.00	HZ	83	69	73	63	0	00	28.95	29.87																		
22	OVC	080						10.00		78	67	71	69	5	05	28.99	29.91																		
SUNRISE: 0606										AUG 29				SUNSET: 1910																					
01	CLR	NC						6.00	BR	73	69	70	87	0	00	28.99	29.90																		
04	CLR	NC						4.00	BR	70	68	69	93	0	00	28.94	29.86																		
07	CLR	NC						3.00	-RA BR	71	69	70	94	0	00	28.97	29.89																		
10	CLR	NC						6.00	-RA BR	74	70	71	88	5	VR	28.99	29.91																		
13	CLR	NC						9.00		81	70	73	69	5	VR	28.96	29.88																		
16	FEW	NC						7.00		81	71	74	72	6	VR	28.89	29.81																		
19	SCT	NC						5.00	-RA	77	72	74	85	3	VR	28.89	29.81																		
22	BKN	100						3.00	BR	74	71	72	91	8	05	28.85	29.78																		
SUNRISE: 0607										AUG 30				SUNSET: 1908																					
01	BKN	110						5.00	-RA BR	73	70	71	90	8	05	28.77	29.69																		
04	OVC	060						5.00	-RA BR	73	70	71	90	7	06	28.69	29.60																		
07	BKN	055						7.00		73	70	71	90	0	00	28.65	29.57																		
10	OVC	070						10.00		79	70	73	74	6	VR	28.62	29.53																		
13	OVC	039						9.00	-RA	81	66	71	61	20	20	28.61	29.52																		
16	OVC	018						9.00		74	69	71	85	14	19	28.62	29.54																		
19	OVC	026						10.00		76	67	70	74	15	21	28.67	29.58																		
22	OVC	025						10.00		74	67	69	79	13	21	28.76	29.68																		

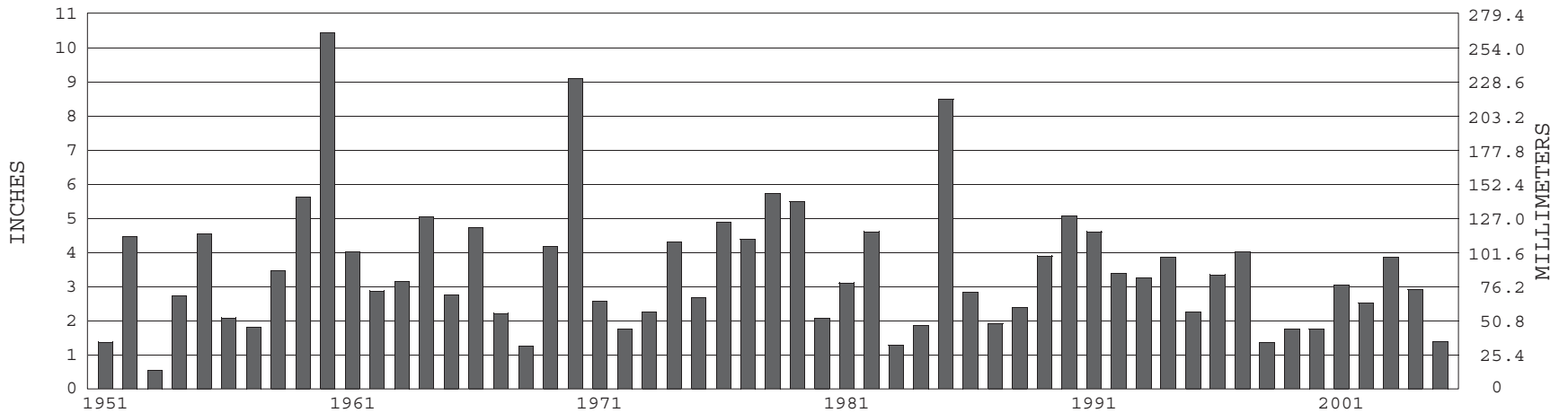
OAK RIDGE, TN AUGUST TEMPERATURES



+ Extreme Max. ● Mean Max. ▲ Mean × Mean Min. ◆ Extreme Min.

Long-Term (1951-2005) Mean: 76.4 1971-2000 Normal: 76.2

OAK RIDGE, TN AUGUST PRECIPITATION



Long-Term (1951-2005) Mean Monthly Total: 3.48

1971-2000 Normal: 3.39



AUGUST 2005

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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