



JULY 2015

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



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	81	68	75	-1	68	70	0	10	RA BR			0.01	29.02	29.97	2.0	23	4.1	17	26	10	26	01		
02	80	67	74	-2	67	69	0	9	RA BR			1.17	29.00	29.93	1.4	21	3.4	14	21	9	26	02		
03	79	70	75	-1	69	70	0	10	RA BR			0.45	28.95	29.89	1.9	21	3.7	22	19	12	20	03		
04	81	69	75	-1	68	70	0	10	RA BR			0.12	29.03	29.98	1.4	20	3.0	15	21	10	20	04		
05	80	69	75	-2	68	69	0	10	RA BR			1.35	29.09	30.04	1.2	19	2.7	19	19	10	19	05		
06	86	68	77	0	68	71	0	12	RA BR			T	29.15	30.08	0.9	19	2.2	16	20	10	20	06		
07	90	70	80	3	69	72	0	15	RA			0.02	29.13	30.07	1.6	22	3.1	19	19	12	21	07		
08	91	70	81	4	70	73	0	16	RA BR			0.26	29.16	30.09	1.2	24	2.6	18	19	12	21	08		
09	93	72	83	6	69	73	0	18				0.00	29.16	30.08	1.6	22	3.3	19	19	12	20	09		
10	93	72	83	6	69	73	0	18				0.00	29.18	30.10	1.0	24	3.4	16	19	10	20	10		
11	91	72	82	5	70	73	0	17	RA BR			0.04	29.19	30.11	0.4	21	1.2	14	14	9	17	11		
12	87	70	79	2	71	73	0	14	RA BR			0.17	29.11	30.03	0.9	25	1.6	11	21	7	21	12		
13	93	74	84	7	73	75	0	19	RA BR HZ			T	28.97	29.87	0.9	24	2.5	15	19	9	23	13		
14	83	68	76	-1	69	71	0	11	RA FG+ FG BR			2.64	28.85	29.78	0.5	18	3.0	20	08	14	08	14		
15	89	70	80	3	68	71	0	15	RA BR			0.01	28.91	29.86	0.5	26	2.1	13	33	9	33	15		
16	90	67	79	2	66	70	0	14				0.00	29.03	29.97	0.4	10	1.4	12	08	8	09	16		
17	92	69	81	4	70	74	0	16	BR			0.00	29.06	29.98	0.4	23	2.1	14	19	9	16	17		
18	91	74	83	5	72	74	0	18	RA BR			0.22	29.06	30.00	0.4	16	2.1	22	31	13	34	18		
19	94	72	83	5	73	76	0	18	RA			T	29.04	29.95	0.3	19	1.9	11	05	7	09	19		
20	94	72	83	5	72	74	0	18	RA BR			0.57	28.96	29.87	1.5	23	2.8	34*	25	18*	25	20		
21	92	73	83	5	70	74	0	18				0.00	28.90	29.82	1.1	28	3.4	16	29	10	27	21		
22	91	70	81	3	70	72	0	16	RA FG BR			0.02	28.97	29.90	0.8	24	2.5	17	26	10	26	22		
23	76	72	74*	-4	71	72	0	9	RA FG+ FG BR			0.82	29.01	29.94	0.2	18	1.2	16	25	10	28	23		
24	89	69	79	1	69	71	0	14	FG+ FG BR			0.00	29.03	29.96	0.1	01	0.4	12	16	7	14	24		
25	91	68	80	2	67	71	0	15	BR			0.00	29.03	29.95	0.2	22	1.0	10	28	7	28	25		
26	93	69	81	3	70	73	0	16	FG+ BR			0.00	29.03	29.95	0.2	17	2.0	14	27	9	28	26		
27	91	72	82	4	71	75	0	17				0.00	29.03	29.96	0.7	16	2.3	19	09	13	08	27		
28	93	74	84*	6	72	75	0	19	RA			T	29.04	29.96	0.3	24	1.4	17	28	12	27	28		
29	94*	72	83	5	73	76	0	18	BR			0.00	29.05	29.96	0.7	08	1.1	10	08	7	09	29		
30	93	70	82	4	70	73	0	17				0.00	29.05	29.98	0.5	04	2.0	15	33	9	34	30		
31	89	64*	77	0	60	67	0	12				0.00	29.08	30.01	0.6	07	2.0	16	08	12	08	31		

88.7	70.2	79.5	☼	69.4	72.3	0.0	14.8	< MONTHLY AVERAGES TOTALS >				7.87	29.04	29.97	0.6	22	2.3	< MONTHLY AVERAGES			
0.3	1.6	1.0		-----DEPARTURE FROM NORMAL ----->								2.60	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3								
DEGREE DAYS								GREATEST 24-HR PRECIPITATION : 2.65 DATE : 14-15				SEA LEVEL PRESSURE				DATE TIME					
MONTHLY				SEASON TO DATE				GREATEST 24-HR SNOWFALL :				MAXIMUM :				30.16 11 0819					
TOTAL DEPARTURE				TOTAL DEPARTURE				GREATEST SNOW DEPTH :				MINIMUM :				29.67 14 1556					
HEATING :		0 0		0 0		0 0		NUMBER OF ->		MAXIMUM TEMP >= 90 : 19		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH: 15							
COOLING :		459 41		1134 267				THUNDERSTORMS : 0		MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH: 10							
										: 0		HEAVY FOG : 4		SNOWFALL >= 1.0 INCH :							

JULY 2015
 OAK RIDGE, TN

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)
JULY 2015

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					T								01		0.01	T		T	T	T					01	0.01	0.01	
02					0.20	0.04	0.18	0.23	0.36	0.11	T	T	02	0.02								T	0.03	02	1.17	1.17		
03	0.16	0.07		0.06	0.07	T			0.01	T	T	0.07	03	T	T							T	0.01	03	0.45	0.45		
04				T	T	T	0.01	0.09		T	T		04			T	0.01					T	0.01	04	0.12	0.12		
05	0.03	0.19	0.25	0.35	0.13	T	0.04	0.02	0.11	0.07	0.15	T	05	T	T	T					T	0.01	05	1.35	1.35			
06	T												06			T	T							06	T	T		
07													07											07	0.02	0.02		
08		0.21	T	0.04	T								08			T	0.01							08	0.26	0.26		
09													09											09	0.00	0.00		
10													10											10	0.00	0.00		
11					0.02	T							11			0.02	T							11	0.04	0.04		
12											0.16	0.01	12											12	0.17	0.17		
13													13											13	T	T		
14								T	0.44	0.38			14			0.13	0.44						0.03	1.22	2.64	2.64		
15	0.01												15											15	0.01	0.01		
16													16											16	0.00	0.00		
17													17											17	0.00	0.00		
18												T	18	0.07		0.15	T	T	T				18	0.22	0.22			
19													19	T							T			19	T	T		
20													20		T	0.11	0.33	0.13	T				T	20	0.57	0.57		
21													21											21	0.00	0.00		
22													22				0.02	T	T	T				22	0.02	0.02		
23								T	T	0.02	0.09	0.54	23	0.07	0.07	T	0.01	0.02	T		T		23	0.82	0.82			
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		T	T								28	T	T		
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)	0.36	0.53	0.61	0.63	1.03	1.17	1.23	1.25	1.26	1.26	1.26	1.26
Ending Date	14	14	14	14	14	14	14	15	15	15	15	15
Ending Time (Hr/Min)	2308	2310	2314	2320	2330	2342	2357	0002	0002	0002	0002	0002

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 JULY 2015

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	3.00	10.00	
02	0.75	10.00	
03	2.50	10.00	
04	2.00	10.00	
05	0.75	10.00	
06	1.25	10.00	
07	8.00	10.00	
08	1.00	10.00	
09	10.00	10.00	
10	10.00	10.00	
11	6.00	10.00	
12	2.50	10.00	
13	2.00	10.00	
14	0.75	10.00	
15	9.00	10.00	
16	8.00	10.00	
17	1.00	10.00	
18	5.00	10.00	
19	10.00	10.00	
20	0.75	10.00	
21	8.00	10.00	
22	4.00	10.00	
23	0.25	10.00	
24	0.25	10.00	
25	5.00	10.00	
26	0.25	10.00	
27	10.00	10.00	
28	10.00	10.00	
29	2.50	10.00	
30	7.00	10.00	
31	10.00	10.00	
AVGS	4.56	10.00	
MINIMUM VISIBILITY (MILES)			
	<= .25	<= 3.0	>= 7.0
	3	16	11

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

JULY 2015

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: 0524					JUL 01					SUNSET: 1958					SUNRISE: 0527					JUL 07					SUNSET: 1957				
01	CLR	NC	4.00	BR	68	66	67	93	3	23	29.03	29.96	01	CLR	NC	10.00		71	69	70	94	0	00	29.14	30.07				
04	OVC	002	3.00	BR	69	67	68	93	6	23	29.01	29.95	04	BKN	032	10.00		71	68	69	90	0	00	29.15	30.08				
07	BKN	010	4.00	BR	71	68	69	90	0	00	29.03	29.96	07	BKN	025	8.00		72	69	70	91	3	22	29.17	30.10				
10	BKN	009	8.00		75	69	71	82	5	VR	29.04	29.96	10	OVC	016	10.00		78	71	73	79	0	00	29.18	30.12				
13	BKN	036	10.00		77	70	72	79	7	VR	29.05	29.98	13	BKN	048	10.00		86	71	76	61	7	19	29.14	30.07				
16	SCT	110	10.00		80	68	72	67	5	27	29.04	29.96	16	FEW	045	10.00		89	69	75	52	9	21	29.12	30.04				
19	CLR	NC	10.00		73	67	69	81	6	20	29.01	29.94	19	CLR	NC	10.00		85	68	73	57	6	VR	29.10	30.02				
22	OVC	100	8.00		71	67	68	87	0	00	29.05	29.98	22	CLR	NC	10.00		79	69	72	72	0	00	29.14	30.07				
SUNRISE: 0524					JUL 02					SUNSET: 1958					SUNRISE: 0527					JUL 08					SUNSET: 1957				
01	OVC	013	10.00		70	65	67	84	6	VR	29.05	29.98	01	CLR	NC	10.00		72	69	70	91	0	00	29.17	30.10				
04	BKN	037	9.00		69	65	66	87	0	00	29.01	29.94	04	BKN	075	4.00	RA BR	71	69	70	94	5	VR	29.17	30.09				
07	OVC	007	0.75	+RA BR	68	66	67	93	0	00	29.02	29.95	07	FEW	048	10.00		71	68	69	90	0	00	29.18	30.11				
10	OVC	007	10.00	-RA	69	67	68	93	6	19	29.02	29.95	10	SCT	033	10.00		80	72	74	76	5	VR	29.20	30.12				
13	OVC	075	10.00		72	68	69	87	3	21	29.02	29.95	13	FEW	041	10.00		88	73	77	61	5	VR	29.17	30.09				
16	OVC	029	10.00		77	68	71	74	7	19	28.96	29.89	16	BKN	050	10.00		88	70	76	55	3	VR	29.13	30.06				
19	CLR	NC	10.00		77	68	71	74	3	20	28.94	29.87	19	CLR	NC	10.00		88	68	74	52	0	00	29.13	30.05				
22	BKN	034	10.00		74	69	71	85	3	VR	28.97	29.90	22	CLR	NC	10.00		80	71	74	74	0	00	29.16	30.09				
SUNRISE: 0525					JUL 03					SUNSET: 1958					SUNRISE: 0528					JUL 09					SUNSET: 1956				
01	OVC	012	2.50	+RA BR	72	70	71	94	0	00	28.96	29.89	01	CLR	NC	10.00		75	71	72	88	0	00	29.15	30.07				
04	OVC	012	3.00	-RA BR	71	69	70	94	3	VR	28.93	29.86	04	CLR	NC	10.00		73	70	71	90	0	00	29.15	30.08				
07	OVC	006	10.00		71	68	69	90	0	00	28.95	29.88	07	CLR	NC	10.00		75	70	72	84	3	VR	29.20	30.13				
10	OVC	008	10.00		73	70	71	90	3	VR	28.96	29.89	10	FEW	026	10.00		85	71	75	63			29.20	30.12				
13	OVC	065	10.00		77	70	72	79	5	VR	28.96	29.88	13	CLR	NC	10.00		90	68	75	48	7	VR	29.17	30.09				
16	BKN	060	10.00		78	69	72	74	8	22	28.95	29.87	16	FEW	060	10.00		92	67	75	44	8	21	29.12	30.04				
19	SCT	036	10.00		76	68	71	77	6	VR	28.96	29.88	19	CLR	NC	10.00		89	67	74	48	3	VR	29.13	30.04				
22	SCT	046	10.00		73	66	68	79	3	21	29.00	29.93	22	CLR	NC	10.00		81	70	74	69	0	00	29.15	30.08				
SUNRISE: 0525					JUL 04					SUNSET: 1957					SUNRISE: 0528					JUL 10					SUNSET: 1956				
01	SCT	090	10.00		70	66	67	87	0	00	29.00	29.93	01	CLR	NC	10.00		76	70	72	82	0	00	29.16	30.09				
04	OVC	010	10.00	-RA	70	67	68	90	5	VR	29.00	29.93	04	CLR	NC	10.00		73	69	70	87	0	00	29.16	30.08				
07	OVC	014	4.00	-RA BR	70	67	68	90	0	00	29.05	29.98	07	CLR	NC	10.00		74	69	71	85	0	00	29.21	30.13				
10	OVC	018	10.00		72	68	69	87	5	21	29.08	30.01	10	CLR	NC	10.00		85	70	75	61	6	VR	29.23	30.15				
13	BKN	033	10.00		77	69	72	77	6	VR	29.07	30.00	13	FEW	042	10.00		91	67	75	45	7	VR	29.19	30.11				
16	OVC	039	10.00	-RA	77	68	71	74	0	00	29.06	29.99	16	CLR	NC	10.00		93	67	75	42	7	VR	29.14	30.06				
19	OVC	018	10.00		77	69	72	77	3	17	29.06	29.98	19	CLR	NC	10.00		90	66	74	45	5	26	29.13	30.05				
22	OVC	110	10.00		73	70	71	90	0	00	29.09	30.02	22	FEW	070	10.00		82	70	74	67	3	28	29.16	30.08				
SUNRISE: 0526					JUL 05					SUNSET: 1957					SUNRISE: 0529					JUL 11					SUNSET: 1956				
01	OVC	110	2.50	-RA BR	72	70	71	94	0	00	29.09	30.02	01	CLR	NC	10.00		78	66	70	67	3	26	29.17	30.09				
04	OVC	039	2.50	+RA BR	69	68	68	96	0	00	29.08	30.01	04	BKN	060	10.00		74	68	70	82	0	00	29.18	30.10				
07	OVC	028	3.00	-RA BR	69	67	68	93	5	14	29.09	30.02	07	BKN	090	10.00		73	70	71	90	0	00	29.22	30.14				
10	OVC	035	2.50	-RA BR	70	67	68	90	3	VR	29.12	30.05	10	SCT	041	10.00		82	71	74	69	0	00	29.23	30.15				
13	OVC	050	10.00		75	68	70	79			29.10	30.04	13	FEW	085	10.00		88	71	76	57	6	VR	29.20	30.13				
16	SCT	050	10.00		77	67	70	71	6	VR	29.10	30.03	16	SCT	080	10.00	-RA	88	71	76	57	6	VR	29.17	30.09				
19	OVC	090	10.00		74	68	70	82	5	19	29.10	30.04	19	FEW	050	10.00		81	70	74	69	5	20	29.18	30.11				
22	OVC	075	10.00		72	69	70	91	0	00	29.16	30.11	22	CLR	NC	10.00		76	70	72	82	0	00	29.16	30.09				
SUNRISE: 0526					JUL 06					SUNSET: 1957					SUNRISE: 0530					JUL 12					SUNSET: 1955				
01	FEW	100	10.00		70	67	68	90	0	00	29.13	30.07	01	CLR	NC	10.00		73	69	70	87	0	00	29.15	30.08				
04	OVC	002	8.00		68	66	67	93	0	00	29.13	30.06	04	CLR	NC	10.00		70	68	69	93	0	00	29.14	30.06				
07	OVC	004	10.00		71	68	69	90	0	00	29.19	30.13	07	OVC	005	9.00		72	69	70	91	0	00	29.17	30.10				
10	BKN	014	10.00		77	69	72	77	8	19	29.19	30.13	10	SCT	039	10.00		78	71	73	79	6	26	29.14	30.07				
13	FEW	055	10.00		83	68	73	61	7	VR	29.17	30.10	13	SCT	012	10.00		81	73	75	77	0	00	29.10	30.03				
16	OVC	100	10.00	-RA	83	69	73	63	0	00	29.14	30.07	16	CLR	NC	10.00		85	73	77	68	5	VR	29.06	29.98				
19	CLR	NC	10.00		83	68	73	61	5	22	29.10	30.03	19	CLR	NC	10.00		83	72	75	70	3	29	29.03	29.95				
22	CLR	NC	10.00		74	70	71	88	0	00	29.13	30.06	22	FEW	031	10.00		79	73	75	82	0	00	29.04	29.96				

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

JULY 2015

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
					DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)		STATION	SEA LEVEL						DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)		STATION	SEA LEVEL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
SUNRISE: 0530					JUL 13				SUNSET: 1955				SUNRISE: 0534					JUL 19				SUNSET: 1952																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
01	CLR	NC	10.00		76	73	74	91	0	00	29.02	29.93	01	CLR	NC	10.00		73	71	72	94	0	00	29.07	29.99	04	CLR	NC	10.00		75	72	73	90	3	25	28.98	29.90	04	CLR	NC	10.00		77	73	74	88	0	00	29.01	29.93	07	CLR	NC	10.00	BR	82	73	76	74	3	VR	29.00	29.92	10	CLR	NC	10.00	BR	89	71	76	55	6	21	28.97	29.88	10	CLR	NC	10.00	BR	91	70	76	50	6	28	28.91	29.82	13	BKN	046	10.00	BR	85	74	77	70	0	00	28.92	29.83	13	FEW	038	10.00	BR	79	75	76	88	0	00	28.89	29.80	16	CLR	NC	10.00	BR									16	CLR	NC	10.00	BR									19	CLR	NC	10.00	BR									19	CLR	NC	10.00	BR									22	CLR	NC	8.00	BR									22	CLR	NC	10.00	BR									SUNRISE: 0531					JUL 14				SUNRISE: 0535				JUL 20				SUNSET: 1952				01	CLR	NC	10.00		74	71	72	91	3	07	28.86	29.78	01	CLR	NC	10.00		78	74	75	87	3	20	28.99	29.90	04	CLR	NC	10.00		74	69	71	85	0	00	28.83	29.74	04	BKN	004	8.00		74	70	71	88	0	00	28.88	29.79	07	BKN	047	10.00		69	66	67	90	0	00	28.94	29.87	10	BKN	011	10.00		82	70	74	67	5	VR	28.84	29.76	13	BKN	038	10.00		73	71	72	94	6	28	28.76	29.67	16	BKN	011	10.00		72	69	70	91	5	VR	28.83	29.75	19	FEW	110	10.00		72	69	70	91	5	VR	28.83	29.76	22	OVC	011	10.00										22	CLR	NC	10.00										SUNRISE: 0532					JUL 15				SUNRISE: 0536				JUL 21				SUNSET: 1951				01	SCT	110	10.00		71	69	70	94	5	27	28.86	29.78	01	CLR	NC	10.00		73	71	72	94	0	00	28.93	29.84	04	OVC	002	9.00		71	70	70	96	0	00	28.86	29.80	04	OVC	004	10.00		72	69	70	91	0	00	28.91	29.84	07	BKN	009	10.00		81	70	73	69	3	VR	28.94	29.86	10	SCT	037	10.00		85	67	73	55	5	27	28.94	29.85	13	BKN	070	10.00		85	66	72	53	5	VR	28.95	29.87	16	BKN	070	10.00		81	66	71	61	3	VR	28.95	29.87	19	CLR	NC	10.00		72	66	68	82	0	00	29.03	29.95	22	CLR	NC	10.00										22	CLR	NC	10.00										SUNRISE: 0532					JUL 16				SUNRISE: 0536				JUL 22				SUNSET: 1950				01	CLR	NC	10.00		68	66	67	93	3	09	29.03	29.95	01	CLR	NC	9.00		74	70	71	88	0	00	28.95	29.87	04	CLR	NC	10.00		67	65	66	93	3	08	29.00	29.92	04	CLR	NC	10.00		69	66	67	90	0	00	29.06	29.99	07	CLR	NC	10.00		80	68	72	67	0	00	29.09	30.01	10	CLR	NC	10.00		85	66	72	53	5	VR	29.06	29.98	13	FEW	038	10.00		88	62	71	42	3	VR	29.04	29.96	16	CLR	NC	10.00		86	65	72	49	0	00	29.03	29.95	19	SCT	050	10.00		76	70	72	82	0	00	29.06	29.98	22	CLR	NC	10.00										22	CLR	NC	10.00										SUNRISE: 0533					JUL 17				SUNRISE: 0537				JUL 23				SUNSET: 1950				01	CLR	NC	10.00		73	69	70	87	0	00	29.06	29.97	01	SCT	036	10.00		73	70	71	90	0	00	29.03	29.94	04	CLR	NC	9.00		70	68	69	93	0	00	29.06	29.97	04	OVC	002	4.00		71	68	69	90	0	00	29.10	30.02	07	CLR	NC	10.00		85	70	75	61	5	VR	29.10	30.02	10	CLR	NC	10.00		91	69	76	49	0	00	29.08	29.99	13	FEW	042	10.00		91	71	77	52	7	VR	29.06	29.97	16	CLR	NC	10.00		89	72	77	57	3	VR	29.03	29.95	19	CLR	NC	10.00		82	74	76	77	0	00	29.06	29.97	22	CLR	NC	10.00										22	CLR	NC	10.00										SUNRISE: 0534					JUL 18				SUNRISE: 0538				JUL 24				SUNSET: 1949				01	CLR	NC	10.00		78	73	75	85	0	00	29.04	29.95	01	OVC	003	7.00		72	70	71	94	0	00	29.01	29.94	04	BKN	041	10.00		78	73	75	85	0	00	29.07	29.97	04	OVC	002	2.00		78	73	75	85	0	00	29.08	29.98	07	CLR	NC	10.00		85	73	77	68	5	VR	29.10	30.02	10	CLR	NC	10.00		79	71	74	77	3	14	29.10	30.03	13	CLR	NC	10.00		81	73	75	77	0	00	29.09	30.00	16	CLR	NC	10.00		80	70	73	71	3	VR	29.05	29.97	19	CLR	NC	10.00		76	72	73	88	0	00	29.09	30.00	22	CLR	NC	10.00										22	CLR	NC	10.00									
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01	CLR	NC	10.00		74	71	72	91	3	07	28.86	29.78	01	CLR	NC	10.00		78	74	75	87	3	20	28.99	29.90	04	CLR	NC	10.00		74	69	71	85	0	00	28.83	29.74	04	BKN	004	8.00		74	70	71	88	0	00	28.88	29.79	07	BKN	047	10.00		69	66	67	90	0	00	28.94	29.87	10	BKN	011	10.00		82	70	74	67	5	VR	28.84	29.76	13	BKN	038	10.00		73	71	72	94	6	28	28.76	29.67	16	BKN	011	10.00		72	69	70	91	5	VR	28.83	29.75	19	FEW	110	10.00		72	69	70	91	5	VR	28.83	29.76	22	OVC	011	10.00										22	CLR	NC	10.00										SUNRISE: 0532					JUL 15				SUNRISE: 0536				JUL 21				SUNSET: 1951				01	SCT	110	10.00		71	69	70	94	5	27	28.86	29.78	01	CLR	NC	10.00		73	71	72	94	0	00	28.93	29.84	04	OVC	002	9.00		71	70	70	96	0	00	28.86	29.80	04	OVC	004	10.00		72	69	70	91	0	00	28.91	29.84	07	BKN	009	10.00		81	70	73	69	3	VR	28.94	29.86	10	SCT	037	10.00		85	67	73	55	5	27	28.94	29.85	13	BKN	070	10.00		85	66	72	53	5	VR	28.95	29.87	16	BKN	070	10.00		81	66	71	61	3	VR	28.95	29.87	19	CLR	NC	10.00		72	66	68	82	0	00	29.03	29.95	22	CLR	NC	10.00										22	CLR	NC	10.00										SUNRISE: 0532					JUL 16				SUNRISE: 0536				JUL 22				SUNSET: 1950				01	CLR	NC	10.00		68	66	67	93	3	09	29.03	29.95	01	CLR	NC	9.00		74	70	71	88	0	00	28.95	29.87	04	CLR	NC	10.00		67	65	66	93	3	08	29.00	29.92	04	CLR	NC	10.00		69	66	67	90	0	00	29.06	29.99	07	CLR	NC	10.00		80	68	72	67	0	00	29.09	30.01	10	CLR	NC	10.00		85	66	72	53	5	VR	29.06	29.98	13	FEW	038	10.00		88	62	71	42	3	VR	29.04	29.96	16	CLR	NC	10.00		86	65	72	49	0	00	29.03	29.95	19	SCT	050	10.00		76	70	72	82	0	00	29.06	29.98	22	CLR	NC	10.00										22	CLR	NC	10.00										SUNRISE: 0533					JUL 17				SUNRISE: 0537				JUL 23				SUNSET: 1950				01	CLR	NC	10.00		73	69	70	87	0	00	29.06	29.97	01	SCT	036	10.00		73	70	71	90	0	00	29.03	29.94	04	CLR	NC	9.00		70	68	69	93	0	00	29.06	29.97	04	OVC	002	4.00		71	68	69	90	0	00	29.10	30.02	07	CLR	NC	10.00		85	70	75	61	5	VR	29.10	30.02	10	CLR	NC	10.00		91	69	76	49	0	00	29.08	29.99	13	FEW	042	10.00		91	71	77	52	7	VR	29.06	29.97	16	CLR	NC	10.00		89	72	77	57	3	VR	29.03	29.95	19	CLR	NC	10.00		82	74	76	77	0	00	29.06	29.97	22	CLR	NC	10.00										22	CLR	NC	10.00										SUNRISE: 0534					JUL 18				SUNRISE: 0538				JUL 24				SUNSET: 1949				01	CLR	NC	10.00		78	73	75	85	0	00	29.04	29.95	01	OVC	003	7.00		72	70	71	94	0	00	29.01	29.94	04	BKN	041	10.00		78	73	75	85	0	00	29.07	29.97	04	OVC	002	2.00		78	73	75	85	0	00	29.08	29.98	07	CLR	NC	10.00		85	73	77	68	5	VR	29.10	30.02	10	CLR	NC	10.00		79	71	74	77	3	14	29.10	30.03	13	CLR	NC	10.00		81	73	75	77	0	00	29.09	30.00	16	CLR	NC	10.00		80	70	73	71	3	VR	29.05	29.97	19	CLR	NC	10.00		76	72	73	88	0	00	29.09	30.00	22	CLR	NC	10.00										22	CLR	NC	10.00																																																																																																																																																																																																																																	
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01	SCT	110	10.00		71	69	70	94	5	27	28.86	29.78	01	CLR	NC	10.00		73	71	72	94	0	00	28.93	29.84	04	OVC	002	9.00		71	70	70	96	0	00	28.86	29.80	04	OVC	004	10.00		72	69	70	91	0	00	28.91	29.84	07	BKN	009	10.00		81	70	73	69	3	VR	28.94	29.86	10	SCT	037	10.00		85	67	73	55	5	27	28.94	29.85	13	BKN	070	10.00		85	66	72	53	5	VR	28.95	29.87	16	BKN	070	10.00		81	66	71	61	3	VR	28.95	29.87	19	CLR	NC	10.00		72	66	68	82	0	00	29.03	29.95	22	CLR	NC	10.00										22	CLR	NC	10.00										SUNRISE: 0532					JUL 16				SUNRISE: 0536				JUL 22				SUNSET: 1950				01	CLR	NC	10.00		68	66	67	93	3	09	29.03	29.95	01	CLR	NC	9.00		74	70	71	88	0	00	28.95	29.87	04	CLR	NC	10.00		67	65	66	93	3	08	29.00	29.92	04	CLR	NC	10.00		69	66	67	90	0	00	29.06	29.99	07	CLR	NC	10.00		80	68	72	67	0	00	29.09	30.01	10	CLR	NC	10.00		85	66	72	53	5	VR	29.06	29.98	13	FEW	038	10.00		88	62	71	42	3	VR	29.04	29.96	16	CLR	NC	10.00		86	65	72	49	0	00	29.03	29.95	19	SCT	050	10.00		76	70	72	82	0	00	29.06	29.98	22	CLR	NC	10.00										22	CLR	NC	10.00										SUNRISE: 0533					JUL 17				SUNRISE: 0537				JUL 23				SUNSET: 1950				01	CLR	NC	10.00		73	69	70	87	0	00	29.06	29.97	01	SCT	036	10.00		73	70	71	90	0	00	29.03	29.94	04	CLR	NC	9.00		70	68	69	93	0	00	29.06	29.97	04	OVC	002	4.00		71	68	69	90	0	00	29.10	30.02	07	CLR	NC	10.00		85	70	75	61	5	VR	29.10	30.02	10	CLR	NC	10.00		91	69	76	49	0	00	29.08	29.99	13	FEW	042	10.00		91	71	77	52	7	VR	29.06	29.97	16	CLR	NC	10.00		89	72	77	57	3	VR	29.03	29.95	19	CLR	NC	10.00		82	74	76	77	0	00	29.06	29.97	22	CLR	NC	10.00										22	CLR	NC	10.00										SUNRISE: 0534					JUL 18				SUNRISE: 0538				JUL 24				SUNSET: 1949				01	CLR	NC	10.00		78	73	75	85	0	00	29.04	29.95	01	OVC	003	7.00		72	70	71	94	0	00	29.01	29.94	04	BKN	041	10.00		78	73	75	85	0	00	29.07	29.97	04	OVC	002	2.00		78	73	75	85	0	00	29.08	29.98	07	CLR	NC	10.00		85	73	77	68	5	VR	29.10	30.02	10	CLR	NC	10.00		79	71	74	77	3	14	29.10	30.03	13	CLR	NC	10.00		81	73	75	77	0	00	29.09	30.00	16	CLR	NC	10.00		80	70	73	71	3	VR	29.05	29.97	19	CLR	NC	10.00		76	72	73	88	0	00	29.09	30.00	22	CLR	NC	10.00										22	CLR	NC	10.00																																																																																																																																																																																																																																																																																																																																																																																																					
SUNRISE: 0532					JUL 16				SUNRISE: 0536				JUL 22				SUNSET: 1950																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
01	CLR	NC	10.00		68	66	67	93	3	09	29.03	29.95	01	CLR	NC	9.00		74	70	71	88	0	00	28.95	29.87	04	CLR	NC	10.00		67	65	66	93	3	08	29.00	29.92	04	CLR	NC	10.00		69	66	67	90	0	00	29.06	29.99	07	CLR	NC	10.00		80	68	72	67	0	00	29.09	30.01	10	CLR	NC	10.00		85	66	72	53	5	VR	29.06	29.98	13	FEW	038	10.00		88	62	71	42	3	VR	29.04	29.96	16	CLR	NC	10.00		86	65	72	49	0	00	29.03	29.95	19	SCT	050	10.00		76	70	72	82	0	00	29.06	29.98	22	CLR	NC	10.00										22	CLR	NC	10.00										SUNRISE: 0533					JUL 17				SUNRISE: 0537				JUL 23				SUNSET: 1950				01	CLR	NC	10.00		73	69	70	87	0	00	29.06	29.97	01	SCT	036	10.00		73	70	71	90	0	00	29.03	29.94	04	CLR	NC	9.00		70	68	69	93	0	00	29.06	29.97	04	OVC	002	4.00		71	68	69	90	0	00	29.10	30.02	07	CLR	NC	10.00		85	70	75	61	5	VR	29.10	30.02	10	CLR	NC	10.00		91	69	76	49	0	00	29.08	29.99	13	FEW	042	10.00		91	71	77	52	7	VR	29.06	29.97	16	CLR	NC	10.00		89	72	77	57	3	VR	29.03	29.95	19	CLR	NC	10.00		82	74	76	77	0	00	29.06	29.97	22	CLR	NC	10.00										22	CLR	NC	10.00										SUNRISE: 0534					JUL 18				SUNRISE: 0538				JUL 24				SUNSET: 1949				01	CLR	NC	10.00		78	73	75	85	0	00	29.04	29.95	01	OVC	003	7.00		72	70	71	94	0	00	29.01	29.94	04	BKN	041	10.00		78	73	75	85	0	00	29.07	29.97	04	OVC	002	2.00		78	73	75	85	0	00	29.08	29.98	07	CLR	NC	10.00		85	73	77	68	5	VR	29.10	30.02	10	CLR	NC	10.00		79	71	74	77	3	14	29.10	30.03	13	CLR	NC	10.00		81	73	75	77	0	00	29.09	30.00	16	CLR	NC	10.00		80	70	73	71	3	VR	29.05	29.97	19	CLR	NC	10.00		76	72	73	88	0	00	29.09	30.00	22	CLR	NC	10.00										22	CLR	NC	10.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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01	CLR	NC	10.00		73	69	70	87	0	00	29.06	29.97	01	SCT	036	10.00		73	70	71	90	0	00	29.03	29.94	04	CLR	NC	9.00		70	68	69	93	0	00	29.06	29.97	04	OVC	002	4.00		71	68	69	90	0	00	29.10	30.02	07	CLR	NC	10.00		85	70	75	61	5	VR	29.10	30.02	10	CLR	NC	10.00		91	69	76	49	0	00	29.08	29.99	13	FEW	042	10.00		91	71	77	52	7	VR	29.06	29.97	16	CLR	NC	10.00		89	72	77	57	3	VR	29.03	29.95	19	CLR	NC	10.00		82	74	76	77	0	00	29.06	29.97	22	CLR	NC	10.00										22	CLR	NC	10.00										SUNRISE: 0534					JUL 18				SUNRISE: 0538				JUL 24				SUNSET: 1949				01	CLR	NC	10.00		78	73	75	85	0	00	29.04	29.95	01	OVC	003	7.00		72	70	71	94	0	00	29.01	29.94	04	BKN	041	10.00		78	73	75	85	0	00	29.07	29.97	04	OVC	002	2.00		78	73	75	85	0	00	29.08	29.98	07	CLR	NC	10.00		85	73	77	68	5	VR	29.10	30.02	10	CLR	NC	10.00		79	71	74	77	3	14	29.10	30.03	13	CLR	NC	10.00		81	73	75	77	0	00	29.09	30.00	16	CLR	NC	10.00		80	70	73	71	3	VR	29.05	29.97	19	CLR	NC	10.00		76	72	73	88	0	00	29.09	30.00	22	CLR	NC	10.00										22	CLR	NC	10.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
SUNRISE: 0534					JUL 18				SUNRISE: 0538				JUL 24				SUNSET: 1949																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
01	CLR	NC	10.00		78	73	75	85	0	00	29.04	29.95	01	OVC	003	7.00		72	70	71	94	0	00	29.01	29.94	04	BKN	041	10.00		78	73	75	85	0	00	29.07	29.97	04	OVC	002	2.00		78	73	75	85	0	00	29.08	29.98	07	CLR	NC	10.00		85	73	77	68	5	VR	29.10	30.02	10	CLR	NC	10.00		79	71	74	77	3	14	29.10	30.03	13	CLR	NC	10.00		81	73	75	77	0	00	29.09	30.00	16	CLR	NC	10.00		80	70	73	71	3	VR	29.05	29.97	19	CLR	NC	10.00		76	72	73	88	0	00	29.09	30.00	22	CLR	NC	10.00										22	CLR	NC	10.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

JULY 2015

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: 0539 JUL 25 SUNSET: 1948					01	CLR	NC	9.00		71	67	68	87	0	00	29.04	29.96
04	CLR	NC	8.00		69	66	67	90	0	00	29.02	29.94					
07	FEW	035	7.00		70	66	67	87	0	00	29.06	29.98					
10	CLR	NC	10.00		81	65	70	58	0	00	29.06	29.98					
13	FEW	045	10.00		87	66	73	50	3	VR	29.05	29.96					
16	CLR	NC	10.00		88	65	73	46	5	26	29.01	29.92					
19	CLR	NC	10.00		87	68	74	53	0	00	29.00	29.91					
22	CLR	NC	10.00		76	71	73	85	0	00	29.04	29.96					
SUNRISE: 0539 JUL 26 SUNSET: 1948					01	CLR	NC	9.00		72	69	70	91	0	00	29.03	29.94
04	BKN	002	2.50	BR	70	68	69	93	0	00	29.02	29.94					
07	OVC	002	1.25	BR	69	68	68	96	0	00	29.05	29.97					
10	CLR	NC	10.00		83	71	75	67	3	VR	29.06	29.98					
13	FEW	035	10.00		90	72	77	56	6	23	29.06	29.97					
16	SCT	046	10.00		92	69	76	47	5	VR	29.01	29.93					
19	CLR	NC	10.00		84	69	74	61	3	07	29.01	29.93					
22	CLR	NC	10.00		77	70	72	79	0	00	29.04	29.95					
SUNRISE: 0540 JUL 27 SUNSET: 1947					01	CLR	NC	10.00		77	71	73	82	0	00	29.03	29.94
04	CLR	NC	10.00		73	70	71	90	0	00	29.03	29.94					
07	CLR	NC	10.00		75	71	72	88	0	00	29.07	29.98					
10	CLR	NC	10.00		85	72	76	65	3	26	29.08	29.99					
13	BKN	046	10.00		88	72	77	59	6	18	29.05	29.96					
16	CLR	NC	10.00		90	73	78	58	3	VR	29.01	29.92					
19	FEW	050	10.00		86	72	76	63	3	VR	29.00	29.92					
22	BKN	120	10.00		79	72	74	79	3	VR	29.06	29.97					
SUNRISE: 0541 JUL 28 SUNSET: 1946					01	SCT	070	10.00		76	71	73	85	0	00	29.05	29.96
04	SCT	110	10.00		75	71	72	88	0	00	29.04	29.95					
07	CLR	NC	10.00		75	71	72	88	0	00	29.07	29.99					
10	CLR	NC	10.00		85	73	77	68	0	00	29.08	29.99					
13	BKN	046	10.00		91	72	78	54	5	VR	29.05	29.96					
16	SCT	050	10.00		89	73	78	59	6	VR	29.02	29.94					
19	BKN	070	10.00		81	73	75	77	0	00	29.01	29.93					
22	CLR	NC	10.00		77	72	74	85	0	00	29.06	29.98					
SUNRISE: 0542 JUL 29 SUNSET: 1945					01	CLR	NC	10.00		77	72	74	85	0	00	29.05	29.96
04	CLR	NC	8.00		74	71	72	91	0	00	29.02	29.93					
07	OVC	075	9.00		75	72	73	90	0	00	29.08	30.01					
10	CLR	NC	10.00		84	70	74	63	0	00	29.09	30.00					
13	FEW	035	10.00		90	73	78	58	6	06	29.07	29.98					
16	SCT	042	10.00		91	71	77	52	5	09	29.01	29.92					
19	CLR	NC	10.00		89	72	77	57	0	00	29.03	29.94					
22	CLR	NC	10.00		82	75	77	79	0	00	29.07	29.98					
SUNRISE: 0542 JUL 30 SUNSET: 1945					01	CLR	NC	7.00		78	74	75	87	0	00	29.02	29.93
04	CLR	NC	10.00		77	73	74	88	0	00	29.04	29.95					
07	CLR	NC	8.00		76	72	73	88	0	00	29.07	29.98					
10	BKN	025	10.00		84	72	76	67	0	00	29.10	30.01					
13	OVC	046	10.00		88	72	77	59	0	00	29.09	30.01					
16	CLR	NC	10.00		93	67	75	42	5	VR	29.04	29.95					
19	CLR	NC	10.00		85	64	71	50	7	VR	29.04	29.96					
22	CLR	NC	10.00		75	65	69	71	0	00	29.10	30.02					

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: 0543 JUL 31 SUNSET: 1944					01	CLR	NC	10.00		69	63	65	81	0	00	29.10	30.02
04	CLR	NC	10.00		68	61	64	78	0	00	29.09	30.01					
07	CLR	NC	10.00		68	62	64	81	0	00	29.10	30.03					
10	CLR	NC	10.00		81	60	68	49	6	06	29.12	30.04					
13	CLR	NC	10.00		86	55	67	35	6	VR	29.10	30.03					
16	CLR	NC	10.00		89	58	69	35	7	VR	29.05	29.97					
19	CLR	NC	10.00		84	60	69	44	0	00	29.05	29.98					
22	CLR	NC	10.00		73	63	67	71	0	00	29.09	30.01					

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

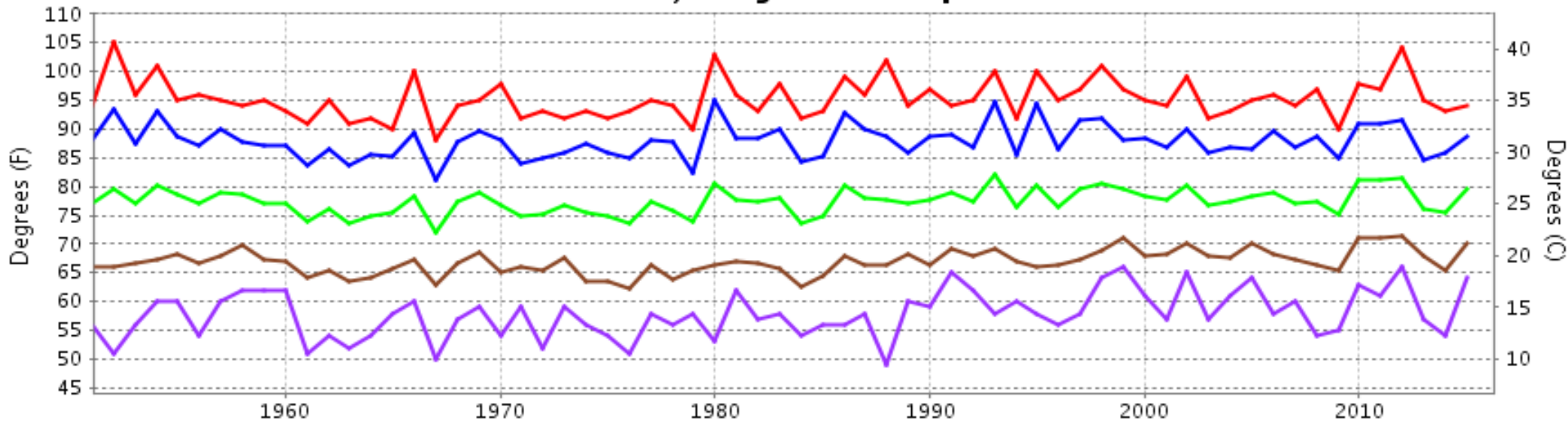
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.

& = 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	73	69	71	88	29.04	29.96	9.03	1	1	23
02	73	69	70	89	29.04	29.96	8.71	1	2	24
03	72	69	70	89	29.03	29.95	8.85	1	1	20
04	72	69	70	91	29.03	29.95	7.71	1	xx	xx
05	71	69	70	92	29.04	29.96	7.40	1	2	24
06	71	69	70	91	29.06	29.98	7.28	1	1	20
07	72	69	70	90	29.07	29.99	7.81	1	xx	xx
08	75	70	71	84	29.08	30.00	8.86	2	1	12
09	77	70	72	78	29.08	30.00	8.79	3	1	25
10	80	70	73	73	29.08	30.00	9.24	3	1	24
11	82	70	74	69	29.08	30.00	8.99	4	2	26
12	84	70	74	64	29.07	29.99	9.44	5	1	23
13	85	70	74	61	29.06	29.98	9.90	5	1	24
14	86	69	74	59	29.04	29.96	9.87	5	2	26
15	85	69	74	60	29.03	29.95	9.45	5	3	26
16	86	69	74	59	29.02	29.94	9.57	5	4	26
17	85	69	74	60	29.02	29.94	9.84	4	3	26
18	84	69	74	63	29.02	29.94	10.00	4	2	25
19	82	69	73	66	29.02	29.94	10.00	3	1	25
20	80	70	73	72	29.02	29.95	10.00	1	2	24
21	78	70	73	79	29.04	29.96	9.94	1	1	24
22	76	70	72	82	29.05	29.97	9.56	1	xx	xx
23	75	70	72	84	29.06	29.98	9.55	1	2	24
24	74	70	71	87	29.05	29.98	9.50	1	xx	xx

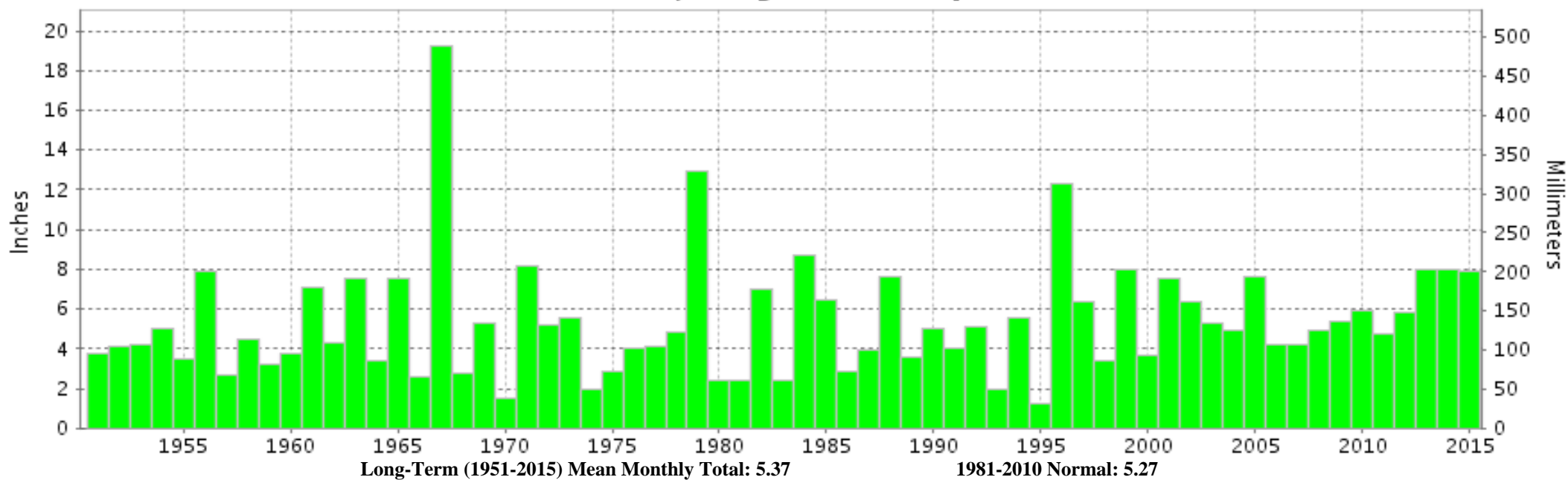
OAK RIDGE, TN JULY Temperatures



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

Long-Term (1951-2015) Mean: 77.4
1981-2010 Normal: 78.5

OAK RIDGE, TN JULY Precipitation



Long-Term (1951-2015) Mean Monthly Total: 5.37

1981-2010 Normal: 5.27



**JULY 2015
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, appearing to read "Thomas R. Karl".

DIRECTOR

NCEI now offers free online access to the **Edited Local Climatological Data Publication**. Go to : www.ncdc.noaa.gov/IPS/lcd/lcd.html

We welcome your questions or comments, please contact us at:
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