



AUGUST 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	92	63	78	0	62	67	0	13				0.00	29.05	29.98	0.4	31	1.1	12	01	8	09	01		
02	92	63	78	0	61	67	0	13				0.00	29.02	29.94	0.6	05	1.7	11	08	8	07	02		
03	92	63	78	1	63	69	0	13				0.00	28.99	29.92	0.1	22	1.1	14	20	9	17	03		
04	95*	69	82*	5	68	73	0	17				0.00	29.04	29.97	0.7	28	2.1			9	27	04		
05	90	71	81	4	69	72	0	16	RA			T	29.08	29.99	0.7	07	2.1	18	27	10	28	05		
06	81	70	76	-1	69	71	0	11	RA BR			0.34	28.95	29.87	1.0	23	1.8	14	23	9	22	06		
07	87	70	79	2	69	71	0	14	RA BR			0.03	28.90	29.83	0.3	29	0.7	13	30	9	31	07		
08	90	67	79	2	67	70	0	14				0.00	28.98	29.91	0.4	10	1.4	12	08	8	08	08		
09	92	68	80	3	68	72	0	15				0.00	29.03	29.95	0.6	18	1.6	12	19	7	23	09		
10	89	71	80	3	71	73	0	15	RA FG+ BR			0.69	28.98	29.91	1.0	22	2.2	17	18	12	19	10		
11	91	70	81	4	69	72	0	16	RA BR			T	28.99	29.93	0.5	28	2.5	15	32	8	33	11		
12	88	66	77	0	62	67	0	12				0.00	29.09	30.03	0.7	05	2.5	15	32	9	32	12		
13	88	63	76	-1	61	66	0	11	HZ			0.00	29.13	30.07	0.7	10	1.5	14	01	9	08	13		
14	77	66	72	-5	65	67	0	7	RA			T	29.19	30.14	0.2	11	1.0	11	25	8	26	14		
15	84	68	76	-1	68	70	0	11	RA BR			0.25	29.20	30.15	0.3	19	1.0	14	17	9	16	15		
16	88	70	79	3	68	71	0	14	RA BR			0.13	29.20	30.13	0.1	07	0.8	14	27	10	32	16		
17	79	70	75	-1	69	71	0	10	RA BR			0.27	29.16	30.09	0.2	20	0.2	8	19	6	18	17		
18	80	72	76	0	71	72	0	11	RA BR			0.17	29.03	29.95	0.7	20	1.8	14	19	9	18	18		
19	85	71	78	2	72	73	0	13	RA FG+ FG BR			2.76	28.98	29.92	1.4	20	2.2	22*	30	13*	29	19		
20	82	69	76	0	69	71	0	11	RA			0.01	29.03	29.97	1.0	26	2.9	14	26	9	26	20		
21	86	63	75	-1	62	67	0	10				0.00	29.13	30.06	0.6	04	2.0	13	07	8	28	21		
22	87	63	75	-1	65	68	0	10				0.00	29.11	30.05			1.2	10	16	8	16	22		
23	82	70	76	1	70	72	0	11	RA FG+ BR			1.32	29.03	29.97	0.8	16	1.4	16	20	9	19	23		
24	88	63	76	1	65	69	0	11	FG BR			0.00	29.02	29.95	1.0	28	2.4	16	28	12	26	24		
25	83	57	70	-5	54	60	0	5				0.00	29.05	30.00	0.4	01	1.7	13	08	8	32	25		
26	82	57*	70*	-5	55	61	0	5				0.00	29.10	30.05	1.8	07	3.0	17	07	10	08	26		
27	85	60	73	-2	58	63	0	8				0.00	29.13	30.07	1.2	06	2.7	17	07	10	07	27		
28	88	62	75	0	61	66	0	10				0.00	29.16	30.11	0.4	14	0.7	11	13	7	18	28		
29	88	66	77	2	64	69	0	12				0.00	29.20	30.13	0.5	17	1.3	13	17	9	16	29		
30	82	69	76	2	66	69	0	11				0.00	29.16	30.09	0.3	11	0.9	11	08	8	08	30		
31	87	66	77	3	65	69	0	12	FG+ FG BR			0.00	29.15	30.09	0.8	10	1.7	13	08	9	09	31		

86.5	66.3	76.4	☼	65.4	69.0	0.0	11.7	< MONTHLY AVERAGES TOTALS >				5.97	29.07	30.01	0.1	15	1.7	< MONTHLY AVERAGES			
-1.5	-0.9	-1.2		----- DEPARTURE FROM NORMAL -----								3.21	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3								

DEGREE DAYS				GREATEST 24-HR PRECIPITATION : 2.76 DATE : 19				SEA LEVEL PRESSURE			
MONTHLY				GREATEST 24-HR SNOWFALL :				DATE :			
SEASON TO DATE				GREATEST SNOW DEPTH :				DATE :			
TOTAL DEPARTURE		TOTAL DEPARTURE		NUMBER OF -> DAYS WITH		MAXIMUM TEMP >= 90 : 8		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH : 10	
HEATING : 0		0		0		0		0		PRECIPITATION >= 0.10 INCH : 8	
COOLING : 362		-29		1496		238		0		SNOWFALL >= 1.0 INCH :	

AUGUST 2015
OAK RIDGE, TN

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)
AUGUST 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													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			T	T	T						T	T	05	T	T
06													06	T	0.09	0.01		T	0.06	0.16	0.02				06	0.34	0.34	
07	T	0.03											07	T	T										07	0.03	0.03	
08													08												08	0.00	0.00	
09													09												09	0.00	0.00	
10													10			0.09	0.47	0.12	0.01						10	0.69	0.69	
11													11	T											11	T	T	
12				T									12												12	0.00	0.00	
13													13												13	0.00	0.00	
14													14	T	T	T									14	T	T	
15													15	T											15	0.25	0.25	
16													16			0.12	0.01								16	0.13	0.13	
17													17		0.01	0.01	0.16	0.07	0.01						17	0.27	0.27	
18	T	0.03											18	0.02	T	T				T	0.01				18	0.17	0.17	
19													19	T		0.09		0.34		0.03	T	T			19	2.76	2.76	
20					0.04	0.14	T	0.03					20	T		T			0.01	0.18	0.95	0.83	0.14	T	20	0.01	0.01	
21													21												21	0.00	0.00	
22													22												22	0.00	0.00	
23													23	0.05	T									T	T	23	1.32	1.32
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												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)	0.42	0.67	0.85	0.96	1.07	1.18	1.37	1.65	1.79	1.90	1.92	1.98
Ending Date	23	23	23	23	23	19	19	19	19	19	19	19
Ending Time (Hr/Min)	0946	0950	0952	0955	0957	2108	2123	2142	2201	2219	2229	2229

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 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	10.00	10.00
02	10.00	10.00
03	10.00	10.00
04	10.00	10.00
05	9.00	10.00
06	1.25	10.00
07	5.00	10.00
08	10.00	10.00
09	8.00	10.00
10	0.25	10.00
11	3.00	10.00
12	7.00	10.00
13	1.75	10.00
14	7.00	10.00
15	3.00	10.00
16	0.75	10.00
17	0.75	10.00
18	2.50	10.00
19	1.00	10.00
20	8.00	10.00
21	10.00	10.00
22	10.00	10.00
23	0.25	10.00
24	0.75	10.00
25	10.00	10.00
26	10.00	10.00
27	10.00	10.00
28	10.00	10.00
29	9.00	10.00
30	9.00	10.00
31	0.25	10.00
AVGS	6.05	10.00
MINIMUM VISIBILITY (MILES)		
	<= .25	<= 3.0 >= 7.0
	3	12 18

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

AUGUST 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: 0544					AUG 01					SUNSET: 1943					SUNRISE: 0549					AUG 07					SUNSET: 1937				
01	CLR	NC	10.00		67	63	65	87	0	00	29.09	30.01	01	OVC	023	5.00	-RA BR	72	70	71	94	0	00	28.88	29.80				
04	CLR	NC	10.00		64	61	62	90	0	00	29.07	29.99	04	OVC	006	10.00		72	70	71	94	0	00	28.85	29.78				
07	CLR	NC	10.00		66	62	64	87	0	00	29.09	30.02	07	OVC	050	10.00		72	69	70	91	0	00	28.89	29.82				
10	CLR	NC	10.00		81	65	70	58	0	00	29.09	30.01	10	OVC	028	10.00		77	69	72	77	3	VR	28.93	29.86				
13	FEW	060	10.00		89	64	72	43	3	VR	29.06	29.98	13	OVC	060	10.00	-RA	79	69	72	72	0	00	28.93	29.85				
16	CLR	NC	10.00		91	58	70	33	3	VR	29.01	29.93	16	SCT	055	10.00		83	69	73	63	0	00	28.91	29.83				
19	CLR	NC	10.00		87	61	70	42	5	32	29.00	29.92	19	CLR	NC	10.00		83	68	73	61	0	00	28.90	29.82				
22	CLR	NC	10.00		73	64	67	74	0	00	29.04	29.96	22	CLR	NC	10.00		72	68	69	87	0	00	28.95	29.87				
SUNRISE: 0545					AUG 02					SUNRISE: 0549					AUG 08					SUNSET: 1936									
01	CLR	NC	10.00		68	63	65	84	0	00	29.04	29.96	01	CLR	NC	10.00		69	66	67	90	0	00	28.95	29.88				
04	CLR	NC	10.00		65	62	63	90	0	00	29.03	29.95	04	CLR	NC	10.00		67	65	66	93	0	00	28.95	29.88				
07	CLR	NC	10.00		66	62	64	87	3	08	29.05	29.97	07	FEW	045	10.00		70	66	67	87	0	00	29.01	29.93				
10	CLR	NC	10.00		80	64	70	58	3	VR	29.06	29.98	10	SCT	019	10.00		80	69	73	69	3	VR	29.02	29.94				
13	CLR	NC	10.00		87	60	70	40	0	00	29.03	29.95	13	BKN	050	10.00		85	66	72	53	3	VR	29.00	29.92				
16	CLR	NC	10.00		91	55	68	30	3	VR	28.99	29.91	16	BKN	050	10.00		88	65	73	46	7	08	28.98	29.91				
19	CLR	NC	10.00		88	55	67	33	3	31	28.97	29.89	19	CLR	NC	10.00		85	67	73	55	0	00	28.99	29.91				
22	CLR	NC	10.00		72	63	66	73	0	00	28.98	29.90	22	CLR	NC	10.00		76	70	72	82	0	00	29.03	29.96				
SUNRISE: 0546					AUG 03					SUNRISE: 0550					AUG 09					SUNSET: 1935									
01	CLR	NC	10.00		67	63	65	87	0	00	28.98	29.91	01	CLR	NC	10.00		71	68	69	90	0	00	29.03	29.95				
04	CLR	NC	10.00		64	62	63	93	0	00	28.97	29.89	04	CLR	NC	10.00		70	67	68	90	0	00	29.03	29.95				
07	CLR	NC	10.00		66	62	64	87	0	00	29.01	29.93	07	CLR	NC	10.00		70	67	68	90	0	00	29.05	29.98				
10	CLR	NC	10.00		81	65	70	58	0	00	29.02	29.94	10	CLR	NC	10.00		83	69	73	63	0	00	29.07	29.98				
13	CLR	NC	10.00		90	61	71	38	6	VR	29.01	29.93	13	BKN	049	10.00		88	68	74	52	5	18	29.06	29.98				
16	CLR	NC	10.00		91	61	71	37	5	VR	28.98	29.90	16	OVC	055	10.00		91	67	75	45	6	20	29.02	29.94				
19	CLR	NC	10.00		88	64	72	45	0	00	28.99	29.91	19	CLR	NC	10.00		88	67	74	50	0	00	29.00	29.92				
22	CLR	NC	10.00		78	68	71	71	0	00	29.02	29.93	22	CLR	NC	10.00		77	71	73	82	0	00	29.03	29.94				
SUNRISE: 0546					AUG 04					SUNRISE: 0551					AUG 10					SUNSET: 1934									
01	CLR	NC	10.00		72	68	69	87	0	00	29.02	29.94	01	CLR	NC	10.00		75	71	72	88	0	00	29.01	29.92				
04	CLR	NC	10.00		70	67	68	90	0	00	29.03	29.95	04	BKN	002	4.00	BR	71	69	70	94	0	00	28.99	29.91				
07	CLR	NC	10.00		71	67	68	87	0	00	29.07	29.98	07	FEW	004	7.00		72	69	70	91	0	00	29.01	29.92				
10	CLR	NC	10.00		85	67	73	55	3	VR	29.08	30.00	10	CLR	NC	10.00		85	71	75	63	6	27	29.03	29.94				
13	CLR	NC	10.00		91	70	76	50	5	VR	29.07	29.98	13	SCT	037	10.00		85	72	76	65	8	22	29.01	29.92				
16	CLR	NC	10.00		94	67	75	41	3	VR	29.03	29.94	16	OVC	090	7.00		78	74	75	87	0	00	28.94	29.86				
19	CLR	NC	10.00		91	69	76	49	0	00	29.04	29.95	19	OVC	100	10.00		75	73	74	94	0	00	28.95	29.88				
22	CLR	NC	10.00		80	70	73	71	3	06	29.10	30.01	22	OVC	110	10.00		73	70	71	90	0	00	28.99	29.90				
SUNRISE: 0547					AUG 05					SUNRISE: 0552					AUG 11					SUNSET: 1933									
01	CLR	NC	10.00		77	68	71	74	3	09	29.09	30.00	01	OVC	006	10.00		73	70	71	90	0	00	28.98	29.90				
04	CLR	NC	10.00		73	68	70	84	0	00	29.08	29.98	04	OVC	005	10.00		72	70	71	94	5	VR	28.98	29.91				
07	CLR	NC	10.00		72	68	69	87	0	00	29.10	30.01	07	OVC	003	3.00	BR	73	71	72	94	3	24	29.00	29.93				
10	FEW	065	10.00		81	68	72	65	5	VR	29.10	30.03	10	OVC	013	10.00		78	72	74	82	6	19	29.04	29.96				
13	CLR	NC	10.00		89	69	75	52	0	00	29.08	29.99	13	FEW	075	10.00		85	71	75	63	3	VR	29.00	29.92				
16	OVC	110	10.00	-RA	78	71	73	79	3	VR	29.04	29.97	16	CLR	NC	10.00		91	66	74	44	3	VR	28.98	29.89				
19	SCT	100	10.00		77	67	70	71	6	07	29.08	30.01	19	CLR	NC	10.00		84	65	71	53	6	34	29.01	29.93				
22	FEW	110	10.00		73	68	70	84	0	00	29.06	29.98	22	CLR	NC	10.00		76	66	69	72	0	00	29.05	29.97				
SUNRISE: 0548					AUG 06					SUNRISE: 0553					AUG 12					SUNSET: 1932									
01	FEW	075	10.00		72	68	69	87	0	00	29.02	29.93	01	CLR	NC	10.00		70	66	67	87	0	00	29.08	30.00				
04	CLR	NC	10.00		70	67	68	90	0	00	28.98	29.91	04	FEW	060	10.00		68	65	66	90	0	00	29.08	30.00				
07	FEW	018	10.00		71	68	69	90	0	00	29.00	29.93	07	CLR	NC	7.00		68	65	66	90	0	00	29.10	30.03				
10	OVC	012	9.00	-RA	75	70	72	84	5	VR	29.00	29.93	10	CLR	NC	10.00		80	63	69	56	8	08	29.13	30.06				
13	OVC	100	10.00	-RA	80	69	73	69	7	25	28.97	29.89	13	BKN	065	10.00		85	59	68	42	5	VR	29.10	30.03				
16	OVC	039	10.00		77	70	72	79	6	VR	28.89	29.82	16	SCT	065	10.00		86	58	68	39	5	VR	29.08	30.00				
19	OVC	042	1.25	+RA BR	73	71	72	94	0	00	28.87	29.80	19	CLR	NC	10.00		81	59	67	47	3	VR	29.09	30.02				
22	BKN	060	10.00		72	70	71	94	0	00	28.89	29.82	22	CLR	NC	10.00		70	61	64	73	0	00	29.13	30.06				

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

AUGUST 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: 0553					AUG 13					SUNSET: 1931					SUNRISE: 0558					AUG 19					SUNSET: 1923				
01	CLR	NC	10.00		66	61	63	84	0	00	29.12	30.05	01	SCT	019	10.00		73	71	72	94	0	00	29.00	29.93				
04	CLR	NC	10.00		63	60	61	90	0	00	29.13	30.05	04	OVC	006	10.00		73	71	72	94	0	00	28.99	29.91				
07	FEW	070	10.00		65	60	62	84	0	00	29.15	30.09	07	OVC	009	8.00		74	72	73	94	3	21	29.01	29.94				
10	CLR	NC	10.00		79	63	69	58	5	VR	29.16	30.10	10	OVC	009	10.00		75	72	73	90	0	00	29.04	29.96				
13	CLR	NC	1.75	HZ	82	60	68	47	6	15	29.13	30.07	13	BKN	050	10.00		81	73	75	77	7	VR	29.00	29.92				
16	FEW	055	10.00		87	62	71	43	0	00	29.10	30.03	16	FEW	050	10.00		82	72	75	72	5	19	28.94	29.86				
19	CLR	NC	10.00		80	61	68	52	0	00	29.10	30.04	19	BKN	090	9.00	-RA	78	75	76	90	0	00	28.95	29.88				
22	CLR	NC	10.00		72	60	65	66	0	00	29.15	30.08	22	OVC	027	1.50	+RA BR	71	69	70	94	3	27	29.03	29.96				
SUNRISE: 0554					AUG 14					SUNSET: 1929					SUNRISE: 0559					AUG 20					SUNSET: 1922				
01	CLR	NC	10.00		67	60	63	79	0	00	29.15	30.09	01	BKN	040	10.00		72	70	71	94	0	00	28.99	29.91				
04	BKN	090	10.00		66	61	63	84	3	08	29.15	30.09	04	OVC	009	10.00		73	70	71	90	7	VR	28.98	29.90				
07	CLR	NC	10.00		68	62	64	81	3	08	29.20	30.14	07	BKN	009	10.00		73	70	71	90	3	VR	29.03	29.95				
10	OVC	110	10.00		73	62	66	69	0	00	29.24	30.19	10	OVC	031	10.00		75	71	72	88	3	22	29.07	29.99				
13	OVC	120	9.00	-RA	75	69	71	82	0	00	29.24	30.19	13	BKN	120	10.00		77	69	72	77	5	25	29.07	29.99				
16	OVC	100	10.00		77	66	70	69	3	11	29.19	30.14	16	SCT	048	10.00		82	68	73	63	6	VR	29.04	29.96				
19	OVC	120	10.00		76	68	71	77	0	00	29.19	30.13	19	CLR	NC	10.00		78	66	70	67	0	00	29.06	29.99				
22	CLR	NC	10.00		72	68	69	87	0	00	29.20	30.14	22	FEW	049	10.00		70	67	68	90	0	00	29.10	30.04				
SUNRISE: 0555					AUG 15					SUNSET: 1928					SUNRISE: 0560					AUG 21					SUNSET: 1921				
01	FEW	110	7.00		69	66	67	90	0	00	29.18	30.13	01	OVC	031	10.00		69	66	67	90	0	00	29.12	30.05				
04	OVC	090	7.00		68	66	67	93	0	00	29.19	30.13	04	BKN	033	10.00		66	63	64	90	0	00	29.10	30.04				
07	OVC	070	5.00	-RA BR	69	66	67	90	0	00	29.22	30.16	07	BKN	038	10.00		65	62	63	90	0	00	29.14	30.08				
10	OVC	095	3.00	RA BR	70	68	69	93	0	00	29.27	30.22	10	FEW	043	10.00		76	61	67	60	3	VR	29.16	30.11				
13	CLR	NC	10.00		76	68	71	77	0	00	29.25	30.19	13	CLR	NC	10.00		82	63	70	53	5	05	29.15	30.09				
16	SCT	035	10.00		84	67	73	57	7	16	29.18	30.11	16	CLR	NC	10.00		84	58	68	41	6	07	29.12	30.05				
19	CLR	NC	10.00		81	68	72	65	0	00	29.17	30.10	19	CLR	NC	10.00		79	62	68	56	0	00	29.10	30.04				
22	CLR	NC	10.00		74	70	71	88	0	00	29.21	30.15	22	CLR	NC	10.00		68	64	65	87	0	00	29.14	30.08				
SUNRISE: 0556					AUG 16					SUNSET: 1927					SUNRISE: 0601					AUG 22					SUNSET: 1920				
01	CLR	NC	7.00		73	70	71	90	0	00	29.21	30.14	01	CLR	NC	10.00		66	63	64	90	0	00	29.13	30.06				
04	SCT	003	5.00	BR	71	69	70	94	0	00	29.19	30.12	04	CLR	NC	10.00		64	61	62	90	0	00	29.10	30.04				
07	OVC	002	2.50	BR	71	69	70	94	0	00	29.22	30.15	07	CLR	NC	10.00		65	62	63	90	3	VR	29.15	30.09				
10	SCT	120	10.00		79	69	72	72	3	VR	29.25	30.19	10	OVC	080	10.00		76	62	67	62	3	VR	29.17	30.11				
13	BKN	120	10.00		86	67	73	53	5	VR	29.21	30.13	13	CLR	NC	10.00		84	65	71	53	0	00	29.14	30.07				
16	CLR	NC	10.00		80	70	73	71	3	07	29.17	30.11	16	CLR	NC	10.00		86	64	71	48	5	VR	29.10	30.02				
19	CLR	NC	10.00		81	67	72	62	0	00	29.16	30.10	19	CLR	NC	10.00		81	68	72	65	0	00	29.06	29.99				
22	CLR	NC	10.00		73	68	70	84	0	00	29.19	30.12	22	SCT	110	10.00		76	70	72	82	0	00	29.10	30.02				
SUNRISE: 0557					AUG 17					SUNSET: 1926					SUNRISE: 0601					AUG 23					SUNSET: 1918				
01	CLR	NC	10.00		71	67	68	87	0	00	29.18	30.11	01	CLR	NC	10.00		73	69	70	87	0	00	29.07	29.98				
04	CLR	NC	10.00		71	67	68	87	0	00	29.18	30.11	04	OVC	095	10.00		72	69	70	91	0	00	29.06	29.98				
07	SCT	080	10.00		71	68	69	90	0	00	29.21	30.14	07	OVC	003	6.00	BR	71	69	70	94	0	00	29.08	30.00				
10	BKN	090	10.00		76	69	71	79	0	00	29.20	30.14	10	OVC	019	0.25	+RA FG	70	69	69	97	5	08	29.10	30.03				
13	OVC	110	10.00		78	70	73	76	0	00	29.16	30.10	13	BKN	014	10.00		75	71	72	88	3	VR	29.04	29.97				
16	OVC	100	0.75	+RA BR	74	71	72	91	5	20	29.14	30.08	16	FEW	021	10.00		80	70	73	71	3	VR	28.99	29.92				
19	OVC	060	7.00	-RA	73	70	71	90	0	00	29.10	30.04	19	BKN	043	10.00		79	70	73	74	5	17	29.00	29.92				
22	OVC	060	5.00	BR	72	70	71	94	0	00	29.10	30.04	22	CLR	NC	10.00		75	72	73	90	0	00	29.03	29.96				
SUNRISE: 0557					AUG 18					SUNSET: 1925					SUNRISE: 0602					AUG 24					SUNSET: 1917				
01	OVC	055	5.00	BR	72	70	71	94	0	00	29.09	30.02	01	CLR	NC	10.00		73	70	71	90	0	00	29.04	29.96				
04	OVC	014	9.00		72	70	71	94	0	00	29.06	29.99	04	VV	002	0.75	BR	71	70	70	96	0	00	29.02	29.94				
07	OVC	022	10.00		72	69	70	91	0	00	29.07	30.01	07	VV	002	0.75	BR	71	70	70	96	0	00	29.05	29.98				
10	OVC	016	10.00		74	71	72	91	3	VR	29.07	30.00	10	CLR	NC	10.00		80	71	74	74	0	00	29.06	29.98				
13	BKN	027	10.00		78	73	75	85	3	VR	29.02	29.95	13	FEW	046	10.00		88	63	71	43	6	27	29.02	29.94				
16	BKN	026	10.00		79	71	74	77	5	VR	28.96	29.88	16	CLR	NC	10.00		88	58	69	36	6	VR	29.00	29.91				
19	OVC	021	4.00	RA BR	75	72	73	90	0	00	28.96	29.88	19	CLR	NC	10.00		80	58	66	47	6	31	29.00	29.92				
22	BKN	055	10.00		74	72	73	94	0	00	28.99	29.92	22	CLR	NC	10.00		66	62	64	87	0	00	29.05	29.98				

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

AUGUST 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: 0603 AUG 25 SUNSET: 1916					62	59	60	90	0	00	29.07	29.99
01	CLR	NC	10.00		59	57	58	93	0	00	29.06	29.99
04	CLR	NC	10.00		60	56	58	86	0	00	29.09	30.02
07	CLR	NC	10.00		74	52	61	46	3	VR	29.10	30.04
10	CLR	NC	10.00		78	52	63	40	3	VR	29.06	30.00
13	CLR	NC	10.00		81	50	63	34	0	00	29.04	29.97
16	CLR	NC	10.00		75	51	61	43	5	34	29.04	29.98
19	CLR	NC	10.00		63	57	60	81	0	00	29.10	30.03
22	CLR	NC	10.00		SUNRISE: 0604 AUG 26 SUNSET: 1914							
01	CLR	NC	10.00		60	55	57	84	0	00	29.09	30.03
04	CLR	NC	10.00		57	54	55	90	0	00	29.07	30.01
07	CLR	NC	10.00		59	55	57	87	0	00	29.12	30.06
10	CLR	NC	10.00		72	56	62	57	9	08	29.14	30.09
13	CLR	NC	10.00		79	55	64	44	6	VR	29.12	30.06
16	FEW	050	10.00		81	56	66	42	5	VR	29.09	30.03
19	CLR	NC	10.00		74	55	63	52	6	VR	29.09	30.03
22	CLR	NC	10.00		66	56	60	70	3	07	29.13	30.08
SUNRISE: 0604 AUG 27 SUNSET: 1913					62	56	59	80	0	00	29.13	30.07
01	CLR	NC	10.00		61	56	58	84	0	00	29.13	30.06
04	FEW	070	10.00		63	56	59	78	3	VR	29.15	30.09
07	SCT	060	10.00		72	58	64	61	7	VR	29.16	30.11
10	SCT	055	10.00		80	58	66	47	6	07	29.14	30.08
13	CLR	NC	10.00		84	59	68	43	0	00	29.09	30.02
16	CLR	NC	10.00		77	61	67	58	3	36	29.10	30.04
19	CLR	NC	10.00		71	59	64	66	3	06	29.15	30.09
22	CLR	NC	10.00		SUNRISE: 0605 AUG 28 SUNSET: 1912							
01	FEW	070	10.00		66	59	62	78	0	00	29.14	30.08
04	SCT	080	10.00		64	59	61	84	0	00	29.14	30.08
07	CLR	NC	10.00		64	59	61	84	0	00	29.19	30.14
10	CLR	NC	10.00		76	61	67	60	0	00	29.23	30.17
13	CLR	NC	10.00		84	61	69	46	5	16	29.19	30.13
16	CLR	NC	10.00		84	61	69	46	3	VR	29.13	30.07
19	FEW	090	10.00		80	63	69	56	0	00	29.13	30.07
22	SCT	060	10.00		71	65	67	81	0	00	29.19	30.13
SUNRISE: 0606 AUG 29 SUNSET: 1910					71	66	68	84	0	00	29.19	30.13
01	OVC	060	10.00		67	64	65	91	0	00	29.20	30.13
04	CLR	NC	10.00		67	64	65	91	0	00	29.24	30.18
07	CLR	NC	9.00		80	64	70	58	3	VR	29.25	30.19
10	CLR	NC	10.00		83	64	71	53	6	17	29.22	30.15
13	FEW	100	10.00		86	63	71	46	0	00	29.15	30.08
16	FEW	048	10.00		83	65	71	55	0	00	29.14	30.07
19	OVC	055	10.00		76	65	69	69	0	00	29.18	30.11
22	FEW	055	10.00		SUNRISE: 0607 AUG 30 SUNSET: 1909							
01	CLR	NC	10.00		72	66	68	82	0	00	29.16	30.09
04	CLR	NC	10.00		69	66	67	90	0	00	29.19	30.12
07	CLR	NC	9.00		75	67	70	76	0	00	29.21	30.14
10	BKN	090	10.00		79	66	70	65	0	00	29.19	30.12
13	SCT	100	10.00		81	67	72	62	0	00	29.13	30.06
16	BKN	110	10.00		77	66	70	69	3	19	29.12	30.05
19	CLR	NC	10.00		74	67	69	79	0	00	29.14	30.08
22	BKN	120	10.00									

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					72	65	68	79	0	00	29.15	30.08
01	OVC	060	10.00		67	64	65	91	0	00	29.14	30.08
04	SCT	065	7.00		67	65	66	93	3	09	29.18	30.12
07	VV	002	0.75	BR	77	65	69	66	5	13	29.20	30.14
10	SCT	044	10.00		84	64	71	51	0	00	29.17	30.10
13	CLR	NC	10.00		85	63	71	48	6	VR	29.13	30.06
16	CLR	NC	10.00		80	66	71	62	0	00	29.12	30.05
19	CLR	NC	10.00		71	67	68	87	0	00	29.15	30.09
22	CLR	NC	10.00									

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.

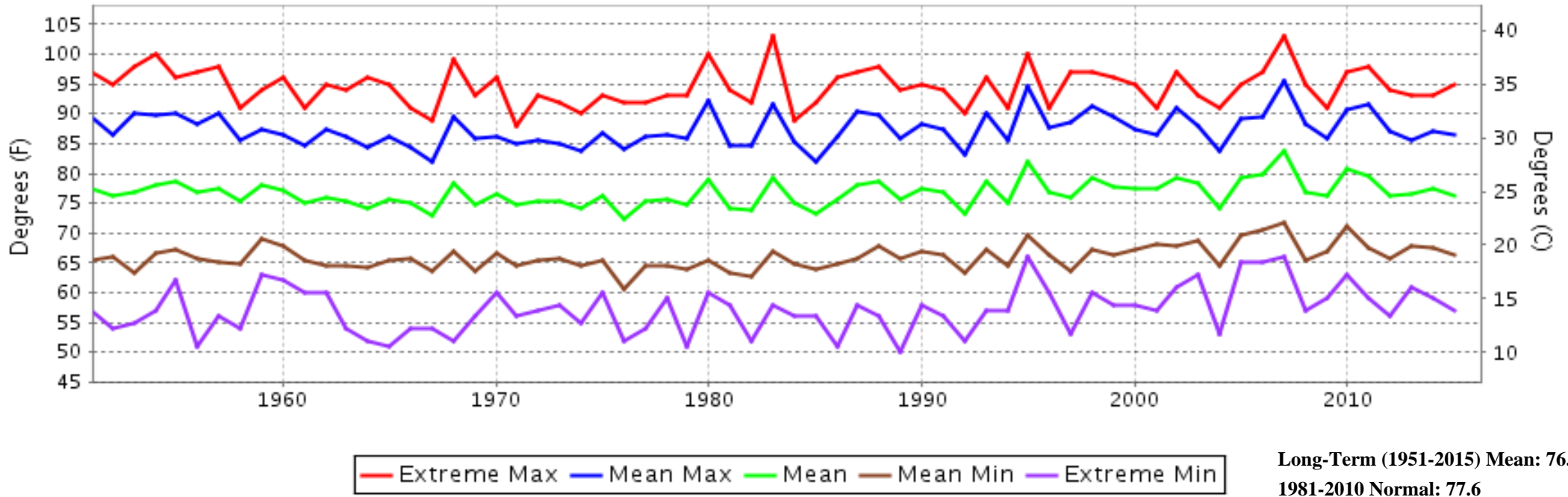
& = Original observation contained additional weather elements.

See page 3 for additional notes.

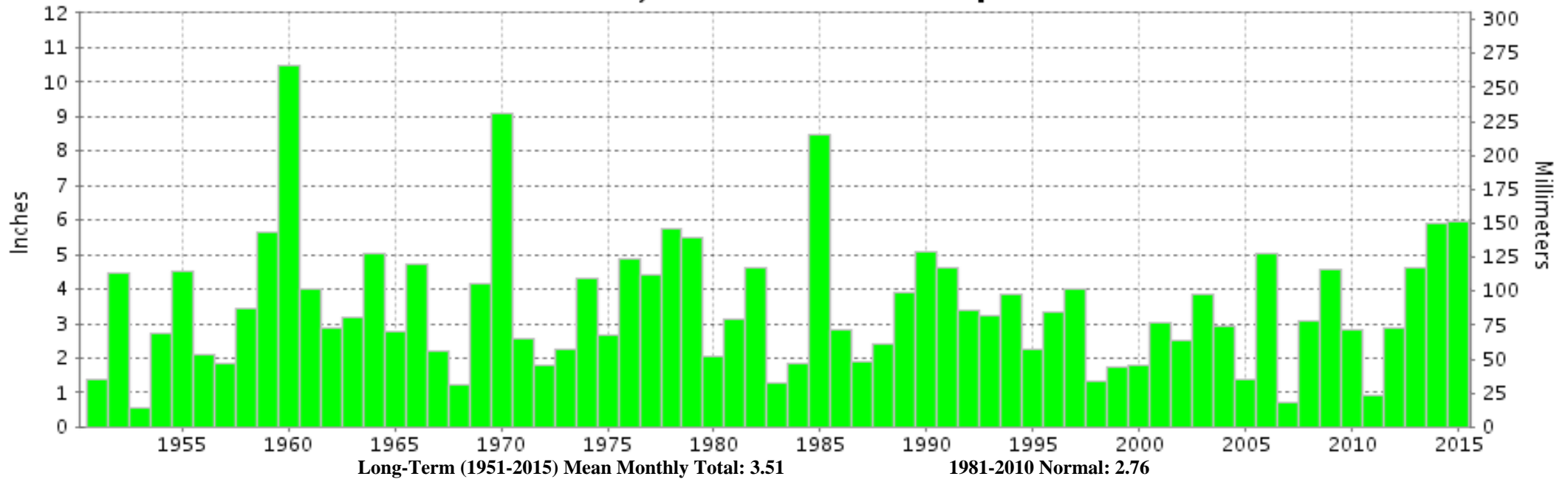
SUMMARY BY HOUR

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	66	67	87	29.08	30.00	9.48	0	xx	xx
02	69	65	67	88	29.07	29.99	9.35	0	xx	xx
03	68	65	66	89	29.07	29.99	9.27	0	xx	xx
04	68	65	66	90	29.07	29.99	9.12	0	xx	xx
05	68	65	66	91	29.07	30.00	8.63	0	xx	xx
06	67	64	65	91	29.08	30.01	8.22	0	xx	xx
07	68	65	66	89	29.10	30.03	8.32	1	1	10
08	71	66	68	83	29.11	30.04	9.00	1	xx	xx
09	75	66	69	74	29.11	30.04	9.65	2	4	09
10	77	66	70	69	29.12	30.05	9.43	3	2	09
11	79	66	71	65	29.12	30.05	9.94	3	1	10
12	81	66	71	61	29.11	30.03	9.40	3	1	26
13	83	65	71	58	29.09	30.02	9.70	4	1	26
14	84	65	71	55	29.08	30.00	9.84	3	2	27
15	84	65	72	55	29.06	29.99	9.74	4	0	11
16	84	64	71	54	29.05	29.98	9.60	4	2	09
17	84	64	71	54	29.05	29.97	9.33	3	2	27
18	83	64	71	56	29.04	29.97	10.00	3	1	27
19	80	65	70	62	29.05	29.98	9.40	2	1	26
20	76	66	70	71	29.06	29.99	9.84	0	xx	xx
21	74	67	69	78	29.07	30.00	9.55	1	1	10
22	72	66	69	82	29.08	30.01	9.56	0	1	10
23	71	66	68	84	29.08	30.01	9.87	0	xx	xx
24	70	66	68	86	29.08	30.01	9.71	0	xx	xx

OAK RIDGE, TN AUGUST Temperatures



OAK RIDGE, TN AUGUST Precipitation





**AUGUST 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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