



JANUARY 2015 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			
01	41	22	32	-5	23	29	33	0				0.00	29.36	30.39	0.8	24	1.2	10	20	7	21	01		
02	44	39	42	5	36	39	23	0	BR			0.00	29.33	30.35	0.5	07	1.2	10	06	7	07	02		
03	56	43	50	13	47	48	15	0	RA BR			1.01	29.18	30.14	0.7	20	1.9	12	28	9	28	03		
04	62	41	52*	15	46	50	13	0	RA BR			0.47	29.07	30.09	5.1	26	6.4	30*	29	18*	27	04		
05	42	26	34	-3	20	29	31	0				0.00	29.51	30.54	1.0	28	3.1	17	29	12	29	05		
06	46	25	36	0	22	30	29	0				0.00	29.33	30.35	2.8	25	4.0	19	21	12	20	06		
07	31	11	21	-15	9	20	44	0	SN			T	29.41	30.49	3.4	34	5.1	25	36	15	33	07		
08	30	6*	18*	-18	0	14	47	0				0.00	29.56	30.59	0.8	25	3.7	18	25	10	26	08		
09	37	22	30	-6	7	23	35	0				0.00	29.32	30.39	2.4	24	5.0	24	22	14	22	09		
10	38	14	26	-10	5	19	39	0				0.00	29.53	30.60	1.3	06	2.3	14	01	8	07	10		
11	42	18	30	-6	18	27	35	0	RA			0.01	29.50	30.53	0.3	17	0.3	7	14	6	13	11		
12	43	35	39	3	36	38	26	0	RA BR			1.12	29.28	30.28	0.4	10	0.9	10	06	7	06	12		
13	42	34	38	2	33	35	27	0	RA BR			T	29.34	30.36	2.0	05	4.1	17	07	9	04	13		
14	42	29	36	0	31	34	29	0	BR			0.00	29.30	30.32	0.1	30	0.6	10	21	6	26	14		
15	36	26	31	-5	28	30	34	0	SN BR			0.02	29.22	30.25	0.3	23	0.4	7	25	5	20	15		
16	49	27	38	2	29	33	27	0	BR			0.00	29.23	30.27			0.1	8	22	6	22	16		
17	58	27	43	7	29	36	22	0	FG+ FZFG BR			0.00	29.20	30.19	1.5	23	2.7	19	25	13	25	17		
18	55	37	46	10	29	39	19	0	RA			0.02	29.05	30.04	4.2	25	5.5	28	27	16	28	18		
19	63	30	47	11	27	37	18	0				0.00	29.07	30.05	2.2	24	3.2	18	20	13	21	19		
20	65*	32	49	12	32	41	16	0				0.00	28.97	29.97	0.7	24	1.5	15	26	9	26	20		
21	59	35	47	10	30	40	18	0				0.00	29.11	30.13	1.6	26	2.2	18	27	10	26	21		
22	48	31	40	3	28	35	25	0				0.00	29.33	30.35	1.2	06	1.8	13	05	8	04	22		
23	43	37	40	3	36	39	25	0	RA BR			0.76	29.11	30.06	2.7	06	3.2	15	08	10	07	23		
24	46	32	39	2	30	35	26	0	RA SN BR UP			0.08	28.87	29.88	2.3	26	3.6	20	28	13	27	24		
25	55	28	42	5	31	37	23	0	RA			0.05	28.87	29.84	2.7	22	4.0	21	20	16	20	25		
26	44	31	38	1	31	35	27	0	RA SN BR			0.06	28.84	29.87	3.0	25	4.8	22	27	13	27	26		
27	38	32	35	-2	29	32	30	0	SN BR			0.01	29.02	30.06	0.3	32	2.6	14	36	9	33	27		
28	45	26	36	-1	17	28	29	0				0.00	29.29	30.33	1.4	07	2.1	14	07	9	07	28		
29	57	28	43	6	30	37	22	0	RA			0.02	29.18	30.18	3.2	25	5.3	24	21	16	20	29		
30	45	29	37	-1	22	32	28	0				0.00	29.35	30.38	4.7	34	5.7	23	34	15	33	30		
31	47	22	35	-3	17	29	30	0				0.00	29.39	30.40	0.4	05	0.5	10	26	8	07	31		

46.7		28.2		37.5		26.1		33.2		27.3		0.0		< MONTHLY AVERAGES TOTALS >		3.63		29.23		30.25		0.9		27		2.9		< MONTHLY AVERAGES	
0.1		-0.7		-0.2		X		<-----		DEPARTURE FROM NORMAL		----->		-0.91		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3													
DEGREE DAYS				MONTHLY				SEASON TO DATE				GREATEST 24-HR PRECIPITATION : 1.48				DATE : 03-04				SEA LEVEL PRESSURE				DATE TIME					
TOTAL DEPARTURE				TOTAL DEPARTURE				TOTAL DEPARTURE				GREATEST 24-HR SNOWFALL :				DATE :				MAXIMUM : 30.80				08 0124					
TOTAL DEPARTURE				TOTAL DEPARTURE				TOTAL DEPARTURE				GREATEST SNOW DEPTH :				DATE :				MINIMUM : 29.68				26 0150					
HEATING :		845		0		2277		-35		NUMBER OF		->		MAXIMUM TEMP >= 90 :		0		MINIMUM TEMP <= 32 :		23		PRECIPITATION >= 0.01 INCH :		12					
COOLING :		0		0		0		0		THUNDERSTORMS		:		0		2		MINIMUM TEMP <= 0 :		0		PRECIPITATION >= 0.10 INCH :		4					
																						SNOWFALL >= 1.0 INCH :							

JANUARY 2015
OAK RIDGE, TN

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)
JANUARY 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				T								T	02	T	T	T	T	0.01	0.02					T	0.03	0.06	0.58	0.31	02	0.00	0.00
03													03												03	1.01	1.01				
04	0.02	0.07	0.11	0.08	0.10	T	0.03	0.02				0.04	04											04	0.47	0.47					
05													05											05	0.00	0.00					
06													06											06	0.00	0.00					
07													07											07	T	T					
08													08											08	0.00	0.00					
09													09											09	0.00	0.00					
10													10											10	0.00	0.00					
11													11											11	0.01	0.01					
12				0.05	0.07	0.06	0.19	0.09	0.18	0.10	0.09	0.03	12	0.10	0.02	0.07	0.02	0.04	0.01				0.01	12	1.12	1.12					
13													13			T								13	T	T					
14													14											14	0.00	0.00					
15													15			T	0.01	0.01		T				15	0.02	0.02					
16													16											16	0.00	0.00					
17													17											17	0.00	0.00					
18						T	0.02						18											18	0.02	0.02					
19													19											19	0.00	0.00					
20													20											20	0.00	0.00					
21													21											21	0.00	0.00					
22													22											22	0.00	0.00					
23				T	T	0.01	0.02	0.03	0.02		T	0.01	23	0.01	0.16	0.13	0.07	0.05	0.07	0.06	0.02	0.04	0.03	0.02	0.01	23	0.76	0.76			
24	0.01	0.01	0.01	T	0.01	0.04	T						24											24	0.08	0.08					
25													25							T		T	0.01	0.04	25	0.05	0.05				
26		0.03	0.03										26											26	0.06	0.06					
27						0.01	T	T					27											27	0.01	0.01					
28													28											28	0.00	0.00					
29											T	0.02	29											29	0.02	0.02					
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)	0.15	0.24	0.28	0.33	0.41	0.54	0.66	0.76	0.85	0.90	0.94	0.97
Ending Date	03	03	03	03	03	03	03	03	03	03	04	03
Ending Time (Hr/Min)	2227	2232	2237	2242	2243	2307	2311	2328	2339	2349	0012	2356

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 JANUARY 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	8.00	10.00
02	1.75	10.00
03	1.50	10.00
04	4.00	10.00
05	10.00	10.00
06	10.00	10.00
07	10.00	10.00
08	10.00	10.00
09	10.00	10.00
10	10.00	10.00
11	10.00	10.00
12	1.25	10.00
13	2.50	10.00
14	2.00	10.00
15	2.50	10.00
16	4.00	10.00
17	0.25	10.00
18	10.00	10.00
19	8.00	10.00
20	7.00	10.00
21	10.00	10.00
22	10.00	10.00
23	2.00	10.00
24	3.00	10.00
25	9.00	10.00
26	5.00	10.00
27	3.00	10.00
28	10.00	10.00
29	7.00	10.00
30	10.00	10.00
31	10.00	10.00
AVGS	6.51	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
1	10	18

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

JANUARY 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: 0747					JAN 01					SUNSET: 1734					SUNRISE: 0748					JAN 07					SUNSET: 1739				
01	CLR	NC	10.00		25	21	24	85	0	00	29.43	30.46	01	CLR	NC	10.00		31	21	28	67	0	00	29.30	30.32				
04	CLR	NC	8.00		24	20	23	84	0	00	29.40	30.42	04	BKN	085	10.00		29	21	26	72	0	00	29.27	30.29				
07	BKN	060	9.00		23	20	22	88	0	00	29.37	30.41	07	BKN	100	10.00		30	16	26	56	7	33	29.33	30.35				
10	OVC	060	10.00		28	25	27	88	0	00	29.39	30.42	10	BKN	038	10.00		29	13	24	51	7	30	29.39	30.41				
13	OVC	055	10.00		38	20	32	48	3	25	29.34	30.37	13	OVC	050	10.00		27	10	22	49	8	35	29.39	30.42				
16	OVC	040	10.00		40	23	34	51	3	26	29.30	30.33	16	BKN	048	10.00		24	4	19	42	8	36	29.49	30.53				
19	OVC	110	10.00		40	25	34	55	0	00	29.33	30.36	19	BKN	048	10.00		16	-2	12	45	3	34	29.64	30.70				
22	OVC	070	10.00		39	29	35	67	3	21	29.35	30.37	22	OVC	046	10.00		14	1	11	56	5	01	29.71	30.77				
SUNRISE: 0748					JAN 02					SUNSET: 1734					SUNRISE: 0748					JAN 08					SUNSET: 1739				
01	OVC	036	10.00		40	29	36	65	0	00	29.34	30.35	01	CLR	NC	10.00		11	-4	8	51	0	00	29.72	30.80				
04	OVC	027	10.00		40	31	36	70	0	00	29.32	30.33	04	CLR	NC	10.00		8	-4	6	57	0	00	29.70	30.78				
07	OVC	026	10.00		41	31	37	67	0	00	29.30	30.31	07	CLR	NC	10.00		7	-4	5	60	0	00	29.68	30.77				
10	OVC	055	10.00		39	33	37	79	0	00	29.37	30.38	10	CLR	NC	10.00		13	-2	10	51	5	VR	29.64	30.72				
13	OVC	013	10.00		42	37	40	82	3	VR	29.36	30.37	13	CLR	NC	10.00		20	-1	15	40	0	00	29.52	30.58				
16	OVC	005	9.00		43	40	42	89	0	00	29.36	30.37	16	CLR	NC	10.00		25	1	19	35	5	27	29.44	30.50				
19	OVC	014	8.00		43	41	42	93	0	00	29.34	30.35	19	CLR	NC	10.00		26	5	20	40	3	VR	29.34	30.40				
22	OVC	013	5.00	BR	43	40	42	89	3	05	29.33	30.34	22	SCT	120	10.00		28	3	21	34	9	25	29.29	30.34				
SUNRISE: 0748					JAN 03					SUNSET: 1735					SUNRISE: 0748					JAN 09					SUNSET: 1740				
01	OVC	025	8.00		43	40	42	89	3	07	29.27	30.28	01	OVC	075	10.00		30	3	23	31	8	23	29.28	30.32				
04	OVC	030	10.00		44	40	42	85	0	00	29.23	30.23	04	SCT	080	10.00		28	4	22	35	6	VR	29.28	30.31				
07	OVC	013	10.00		45	41	43	86	0	00	29.21	30.21	07	FEW	050	10.00		25	6	20	44	0	00	29.30	30.35				
10	OVC	032	10.00		47	42	45	83	0	00	29.21	30.21	10	OVC	045	10.00		28	8	22	43	6	21	29.37	30.41				
13	OVC	035	6.00	-RA BR	51	48	49	89	3	VR	29.16	30.15	13	CLR	NC	10.00		35	11	27	37	6	VR	29.32	30.35				
16	OVC	007	10.00	-RA	54	51	52	90	5	22	29.10	30.08	16	CLR	NC	10.00		37	8	28	30	5	VR	29.32	30.34				
19	OVC	006	10.00		53	52	52	96	0	00	29.07	30.05	19	CLR	NC	10.00		32	8	25	36	0	00	29.39	30.42				
22	OVC	038	2.00	RA BR	54	53	53	97	3	14	29.04	30.02	22	CLR	NC	10.00		27	4	21	37	6	VR	29.47	30.51				
SUNRISE: 0748					JAN 04					SUNSET: 1736					SUNRISE: 0748					JAN 10					SUNSET: 1741				
01	OVC	090	10.00	-RA	56	55	55	97	5	17	29.04	30.01	01	CLR	NC	10.00		21	1	16	41	7	36	29.53	30.58				
04	OVC	070	4.00	RA BR	56	55	55	97	0	00	29.00	29.97	04	CLR	NC	10.00		18	3	14	52	0	00	29.56	30.61				
07	OVC	028	7.00	-RA	60	57	58	90	3	23	28.97	29.93	07	CLR	NC	10.00		15	3	12	59	0	00	29.56	30.62				
10	OVC	023	10.00		61	58	59	90	5	VR	29.01	29.97	10	CLR	NC	10.00		21	5	17	50	8	07	29.60	30.66				
13	CLR	NC	10.00		59	46	52	62	10	27	29.01	29.97	13	CLR	NC	10.00		30	5	23	34	6	13	29.54	30.59				
16	FEW	049	10.00		55	37	46	51	11	27	29.13	30.10	16	CLR	NC	10.00		36	4	27	26	0	00	29.50	30.55				
19	CLR	NC	10.00		47	34	41	61	10	27	29.26	30.24	19	CLR	NC	10.00		28	8	22	43	0	00	29.50	30.56				
22	OVC	049	10.00	-RA	43	35	40	74	6	26	29.36	30.34	22	CLR	NC	10.00		22	11	19	63	0	00	29.53	30.59				
SUNRISE: 0748					JAN 05					SUNSET: 1737					SUNRISE: 0748					JAN 11					SUNSET: 1742				
01	OVC	042	10.00		40	32	37	73	7	26	29.41	30.40	01	CLR	NC	10.00		19	12	17	74	0	00	29.54	30.60				
04	OVC	027	10.00		35	24	31	64	6	31	29.49	30.49	04	CLR	NC	10.00		20	15	19	81	0	00	29.55	30.60				
07	CLR	NC	10.00		30	21	27	69	5	35	29.55	30.57	07	SCT	080	10.00		21	16	20	81	0	00	29.53	30.59				
10	CLR	NC	10.00		32	13	26	45	6	VR	29.62	30.65	10	FEW	080	10.00		27	19	24	72	0	00	29.56	30.61				
13	CLR	NC	10.00		37	18	30	46	6	18	29.57	30.60	13	BKN	075	10.00		38	13	30	36	0	00	29.50	30.54				
16	CLR	NC	10.00		39	18	32	43	7	18	29.53	30.55	16	BKN	110	10.00		42	14	32	32	3	19	29.46	30.49				
19	CLR	NC	10.00		33	16	27	49	0	00	29.50	30.54	19	OVC	100	10.00		40	16	32	38	0	00	29.45	30.48				
22	CLR	NC	10.00		28	21	26	75	0	00	29.47	30.50	22	OVC	026	10.00		39	28	35	65	0	00	29.42	30.45				
SUNRISE: 0748					JAN 06					SUNSET: 1738					SUNRISE: 0747					JAN 12					SUNSET: 1743				
01	CLR	NC	10.00		26	21	24	81	0	00	29.39	30.42	01	OVC	049	10.00		39	29	35	67	0	00	29.34	30.35				
04	CLR	NC	10.00		26	19	24	75	0	00	29.36	30.38	04	OVC	045	5.00	RA BR	36	33	35	89	3	18	29.33	30.34				
07	CLR	NC	10.00		26	20	24	78	5	23	29.34	30.37	07	OVC	026	2.00	RA BR	36	34	35	93	0	00	29.30	30.32				
10	CLR	NC	10.00		34	25	31	70	7	25	29.38	30.41	10	OVC	006	1.50	RA BR	37	35	36	93	0	00	29.29	30.30				
13	CLR	NC	10.00		44	21	35	40	8	24	29.30	30.32	13	OVC	030	2.50	-RA BR	40	39	40	97	5	21	29.24	30.25				
16	CLR	NC	10.00		45	21	36	39	6	VR	29.26	30.28	16	OVC	011	8.00	-RA	43	41	42	93	0	00	29.19	30.20				
19	CLR	NC	10.00		39	22	33	50	6	26	29.30	30.32	19	OVC	012	4.00	BR	42	41	42	96	0	00	29.23	30.24				
22	CLR	NC	10.00		35	21	30	57	5	28	29.31	30.33	22	OVC	015	5.00	BR	42	41	42	96	0	00	29.28	30.29				

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

JANUARY 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: 0747					JAN 13					SUNSET: 1744					SUNRISE: 0745					JAN 19					SUNSET: 1750				
01	OVC	021	10.00		41	37	39	86	5	VR	29.30	30.30	01	CLR	NC	10.00		34	26	31	73	0	00	29.13	30.13				
04	OVC	023	10.00		38	35	37	89	3	04	29.32	30.33	04	CLR	NC	10.00		32	25	29	75	3	26	29.14	30.14				
07	OVC	021	10.00		37	32	35	82	7	VR	29.36	30.37	07	CLR	NC	10.00		31	25	29	79	5	22	29.13	30.14				
10	OVC	016	10.00		37	32	35	82	6	VR	29.39	30.40	10	CLR	NC	10.00		43	26	36	51	5	25	29.10	30.11				
13	OVC	015	10.00		38	32	36	79	5	VR	29.37	30.38	13	CLR	NC	10.00		56	27	43	33	7	26	29.04	30.03				
16	OVC	018	9.00		38	33	36	83	6	06	29.34	30.35	16	CLR	NC	10.00		62	26	46	25	6	VR	28.98	29.96				
19	OVC	027	10.00		36	31	34	82	0	00	29.35	30.37	19	CLR	NC	10.00		50	29	41	44	0	00	28.99	29.99				
22	OVC	016	6.00	BR	35	32	34	89	0	00	29.36	30.38	22	CLR	NC	10.00		41	30	36	65	0	00	29.00	29.99				
SUNRISE: 0747					JAN 14					SUNRISE: 0745					JAN 20					SUNSET: 1751									
01	OVC	004	2.00	BR	34	33	34	97	0	00	29.32	30.35	01	CLR	NC	10.00		38	30	35	73	0	00	28.99	29.97				
04	OVC	002	3.00	BR	34	33	34	97	0	00	29.31	30.33	04	CLR	NC	10.00		37	30	34	76	0	00	28.98	29.96				
07	OVC	003	4.00	BR	34	33	34	97	0	00	29.31	30.33	07	CLR	NC	8.00		32	29	31	88	0	00	28.98	29.98				
10	OVC	005	7.00		35	33	34	93	0	00	29.35	30.37	10	CLR	NC	10.00		47	30	40	52	0	00	29.02	30.01				
13	OVC	009	10.00		38	33	36	83	0	00	29.29	30.31	13	CLR	NC	10.00		60	31	47	33	7	26	28.97	29.95				
16	BKN	027	10.00		41	30	37	65	0	00	29.26	30.27	16	CLR	NC	10.00		64	33	49	32	6	VR	28.92	29.90				
19	CLR	NC	10.00		35	28	32	76	0	00	29.29	30.30	19	CLR	NC	10.00		53	36	45	52	0	00	28.97	29.96				
22	CLR	NC	10.00		31	27	30	85	0	00	29.28	30.31	22	CLR	NC	10.00		47	37	42	69	0	00	29.00	29.99				
SUNRISE: 0747					JAN 15					SUNRISE: 0746					JAN 21					SUNSET: 1752									
01	CLR	NC	10.00		29	25	28	85	0	00	29.27	30.29	01	OVC	110	10.00		48	37	43	66	0	00	29.01	29.98				
04	CLR	NC	7.00		27	24	26	89	0	00	29.22	30.24	04	BKN	085	10.00		44	36	40	73	3	30	29.06	30.03				
07	SCT	110	7.00		27	25	26	92	0	00	29.21	30.24	07	CLR	NC	10.00		39	35	37	86	0	00	29.10	30.09				
10	OVC	100	10.00		31	27	30	85	0	00	29.24	30.26	10	CLR	NC	10.00		50	35	43	57	0	00	29.16	30.15				
13	OVC	095	10.00		34	28	32	79	0	00	29.21	30.24	13	CLR	NC	10.00		55	31	44	40	3	VR	29.14	30.13				
16	OVC	036	2.50	-SN	35	30	33	82	0	00	29.21	30.24	16	CLR	NC	10.00		58	22	43	25	8	23	29.14	30.12				
19	OVC	006	5.00	BR	34	32	33	92	0	00	29.20	30.23	19	CLR	NC	10.00		47	23	38	39	0	00	29.19	30.19				
22	OVC	065	9.00		33	31	32	92	0	00	29.22	30.25	22	CLR	NC	10.00		40	25	34	55	0	00	29.23	30.23				
SUNRISE: 0746					JAN 16					SUNRISE: 0744					JAN 22					SUNSET: 1753									
01	OVC	021	9.00		32	30	31	92	0	00	29.21	30.24	01	CLR	NC	10.00		33	26	30	75	0	00	29.25	30.26				
04	BKN	021	8.00		32	30	31	92	0	00	29.21	30.24	04	CLR	NC	10.00		32	27	30	82	0	00	29.30	30.30				
07	CLR	NC	6.00	BR	28	26	27	92	0	00	29.25	30.27	07	CLR	NC	10.00		33	28	31	82	0	00	29.35	30.37				
10	CLR	NC	7.00		33	29	31	85	0	00	29.29	30.32	10	CLR	NC	10.00		38	30	35	73	0	00	29.38	30.40				
13	CLR	NC	10.00		44	31	39	60	0	00	29.27	30.28	13	CLR	NC	10.00		46	28	39	50	0	00	29.36	30.37				
16	CLR	NC	10.00		48	29	40	48	3	VR	29.21	30.22	16	OVC	095	10.00		48	29	40	48	0	00	29.36	30.37				
19	CLR	NC	10.00		38	31	35	76	0	00	29.24	30.26	19	CLR	NC	10.00		43	27	37	53	6	04	29.37	30.38				
22	CLR	NC	10.00		32	28	30	85	0	00	29.26	30.29	22	CLR	NC	10.00		42	28	36	58	3	06	29.34	30.35				
SUNRISE: 0746					JAN 17					SUNRISE: 0744					JAN 23					SUNSET: 1754									
01	CLR	NC	8.00		29	26	28	89	0	00	29.26	30.28	01	OVC	070	10.00		41	27	35	57	3	05	29.32	30.32				
04	VV	002	0.25	FZFG	28	26	27	92	0	00	29.26	30.27	04	OVC	055	10.00		41	28	36	60	3	VR	29.27	30.27				
07	VV	002	0.25	FZFG	28	26	27	92	0	00	29.25	30.28	07	OVC	075	10.00	-RA	37	33	35	86	6	05	29.20	30.21				
10	VV	002	0.25	FZFG	30	29	30	96	0	00	29.25	30.28	10	OVC	080	9.00	-RA	38	35	37	89	5	06	29.17	30.18				
13	CLR	NC	10.00		49	32	42	52	7	VR	29.18	30.19	13	OVC	046	4.00	-RA BR	40	38	39	93	5	VR	29.04	30.04				
16	CLR	NC	10.00		57	33	46	41	8	25	29.10	30.09	16	OVC	034	2.50	-RA BR	42	41	42	96	0	00	28.94	29.93				
19	CLR	NC	10.00		51	27	41	39	5	21	29.10	30.11	19	OVC	029	5.00	RA BR	42	40	41	92	0	00	28.90	29.90				
22	CLR	NC	10.00		48	30	40	50	6	21	29.09	30.09	22	OVC	002	7.00	-RA	41	40	41	96	0	00	28.86	29.86				
SUNRISE: 0746					JAN 18					SUNRISE: 0743					JAN 24					SUNSET: 1755									
01	CLR	NC	10.00		42	31	37	65	3	21	29.06	30.04	01	OVC	003	3.00	BR	41	39	40	93	0	00	28.80	29.80				
04	OVC	070	10.00		44	32	39	63	5	VR	29.01	29.99	04	OVC	031	9.00	-RA	38	35	37	89	0	00	28.78	29.78				
07	OVC	110	10.00	-RA	42	36	39	79	5	24	29.03	30.01	07	OVC	049	9.00	UP	36	34	35	93	0	00	28.84	29.83				
10	CLR	NC	10.00		46	38	42	73	6	21	29.08	30.06	10	CLR	NC	10.00		35	29	33	78	6	VR	28.93	29.93				
13	CLR	NC	10.00		53	28	42	38			29.06	30.04	13	CLR	NC	10.00		42	27	36	55	7	VR	28.91	29.90				
16	CLR	NC	10.00		55	22	41	28	13	28	29.05	30.03	16	CLR	NC	10.00		45	25	37	46	8	25	28.88	29.88				
19	CLR	NC	10.00		49	23	39	36	5	23	29.08	30.07	19	CLR	NC	10.00		42	26	36	53	3	23	28.92	29.92				
22	CLR	NC	10.00		42	25	35	51	6	21	29.10	30.09	22	CLR	NC	10.00		35	28	32	76	0	00	28.97	29.98				

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

JANUARY 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: 0742 JAN 25 SUNSET: 1756					01	CLR	NC	10.00		31	27	30	85	0	00	28.97	29.97
04	CLR	NC	10.00		30	27	29	88	0	00	28.95	29.95					
07	CLR	NC	10.00		29	26	28	89	0	00	28.93	29.94					
10	CLR	NC	10.00		40	31	36	70	3	VR	28.92	29.92					
13	CLR	NC	10.00		49	32	42	52	6	28	28.83	29.82					
16	BKN	120	10.00		53	31	43	43	6	22	28.74	29.73					
19	BKN	100	10.00		52	33	43	49	9	21	28.76	29.74					
22	OVC	075	10.00	-RA	49	38	44	66	11	19	28.74	29.71					
SUNRISE: 0742 JAN 26 SUNSET: 1757					01	OVC	090	10.00		44	41	43	89	0	00	28.71	29.68
04	OVC	028	10.00		41	38	40	89	7	VR	28.73	29.70					
07	OVC	042	10.00		41	36	39	82	5	VR	28.78	29.76					
10	OVC	026	10.00		38	31	35	76	5	VR	28.86	29.85					
13	OVC	019	10.00		36	29	33	76	7	29	28.92	29.91					
16	OVC	024	10.00		35	26	32	70	3	34	28.94	29.94					
19	OVC	029	10.00		34	25	31	70	3	VR	28.99	29.99					
22	OVC	065	7.00	-SN	31	28	30	89	3	23	28.99	29.99					
SUNRISE: 0741 JAN 27 SUNSET: 1758					01	OVC	037	10.00		32	28	30	85	3	21	28.97	29.98
04	OVC	022	5.00	BR	32	29	31	88	5	21	28.92	29.93					
07	OVC	032	4.00	-SN BR	32	30	31	92	0	00	28.94	29.95					
10	OVC	018	8.00		34	31	33	89	0	00	29.01	30.02					
13	OVC	026	10.00		36	30	34	79	5	06	29.05	30.06					
16	OVC	027	10.00		38	28	34	68	5	35	29.08	30.08					
19	OVC	030	10.00		36	27	33	70	0	00	29.14	30.16					
22	OVC	031	10.00		34	25	31	70	5	33	29.20	30.22					
SUNRISE: 0741 JAN 28 SUNSET: 1759					01	OVC	029	10.00		33	22	29	64	5	04	29.22	30.24
04	CLR	NC	10.00		30	20	27	66	3	VR	29.25	30.28					
07	CLR	NC	10.00		26	17	23	69	3	09	29.32	30.35					
10	CLR	NC	10.00		31	16	26	54	8	08	29.38	30.40					
13	CLR	NC	10.00		39	10	30	30	3	07	29.35	30.37					
16	CLR	NC	10.00		44	12	33	27	0	00	29.31	30.32					
19	CLR	NC	10.00		37	18	30	46	0	00	29.29	30.31					
22	CLR	NC	10.00		30	22	27	72	0	00	29.30	30.33					
SUNRISE: 0740 JAN 29 SUNSET: 1800					01	CLR	NC	10.00		29	23	27	78	0	00	29.28	30.31
04	CLR	NC	10.00		29	24	27	82	0	00	29.25	30.27					
07	CLR	NC	10.00		33	21	29	61	3	23	29.22	30.24					
10	OVC	085	10.00	-RA	39	27	34	62	6	VR	29.22	30.24					
13	CLR	NC	10.00		47	34	41	61	9	26	29.13	30.13					
16	CLR	NC	10.00		56	34	46	44	14	21	29.05	30.04					
19	OVC	050	10.00		54	35	45	49	5	23	29.09	30.08					
22	OVC	026	10.00	-RA	48	38	43	68	9	31	29.16	30.16					
SUNRISE: 0739 JAN 30 SUNSET: 1801					01	OVC	030	10.00		41	29	36	62	3	VR	29.25	30.25
04	OVC	033	10.00		38	26	33	62	7	VR	29.29	30.28					
07	OVC	035	10.00		38	23	32	55	9	35	29.35	30.35					
10	OVC	043	10.00		37	27	33	67	7	34	29.41	30.41					
13	FEW	047	10.00		42	21	34	43	9	35	29.41	30.42					
16	CLR	NC	10.00		45	18	35	34	6	36	29.38	30.38					
19	CLR	NC	10.00		39	18	32	43	0	00	29.41	30.43					
22	CLR	NC	10.00		30	20	27	66	0	00	29.44	30.47					

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: 0738 JAN 31 SUNSET: 1802					01	CLR	NC	10.00		30	17	26	58	3	07	29.43	30.45
04	CLR	NC	10.00		25	18	23	75	0	00	29.41	30.43					
07	CLR	NC	10.00		22	18	21	85	0	00	29.41	30.43					
10	CLR	NC	10.00		30	21	27	69	0	00	29.44	30.47					
13	CLR	NC	10.00		41	16	32	36	0	00	29.39	30.41					
16	CLR	NC	10.00		46	8	33	21	0	00	29.35	30.37					
19	BKN	110	10.00		43	17	34	35	0	00	29.33	30.36					
22	OVC	100	10.00		40	21	33	47	0	00	29.30	30.32					

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.

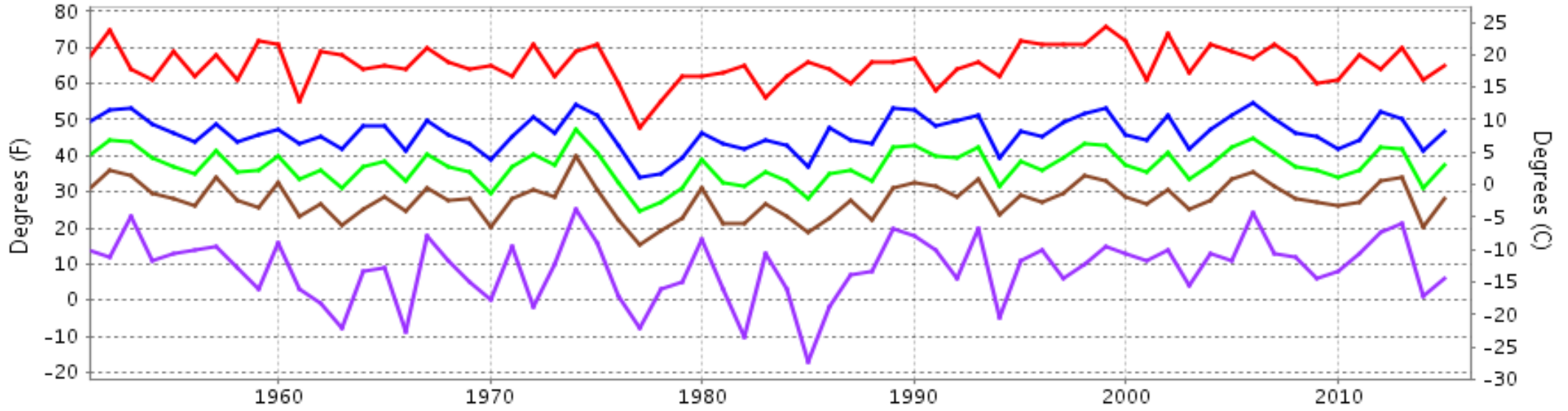
& = Original observation contained additional weather elements.

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	34	26	32	74	29.24	30.25	9.35	2	1	35
02	34	26	31	74	29.23	30.24	9.13	2	2	31
03	33	26	31	75	29.24	30.25	9.00	2	2	30
04	33	26	30	77	29.23	30.24	8.69	2	3	33
05	32	26	30	78	29.23	30.24	8.83	2	2	32
06	32	26	30	79	29.23	30.25	8.72	2	2	33
07	32	26	30	79	29.24	30.26	8.59	2	2	32
08	32	26	30	79	29.25	30.27	8.88	2	2	31
09	33	26	31	76	29.26	30.28	8.85	3	2	31
10	36	27	33	71	29.27	30.29	9.12	3	2	34
11	38	26	34	66	29.27	30.29	9.56	4	1	32
12	40	26	35	60	29.26	30.27	9.69	4	2	31
13	42	26	36	56	29.23	30.24	9.44	5	3	29
14	44	26	37	53	29.21	30.22	9.28	5	3	29
15	45	25	37	50	29.20	30.21	9.52	5	3	29
16	45	25	37	50	29.20	30.21	9.39	5	4	28
17	44	25	37	51	29.21	30.22	8.98	4	4	29
18	42	25	36	54	29.22	30.23	9.18	3	4	29
19	40	26	35	58	29.22	30.24	9.42	2	3	30
20	39	26	34	63	29.23	30.25	9.55	2	3	29
21	38	27	34	67	29.24	30.25	9.32	2	2	33
22	37	27	33	70	29.24	30.25	9.06	3	2	30
23	36	27	33	71	29.24	30.25	9.24	2	2	33
24	35	27	32	72	29.24	30.25	9.34	2	2	33

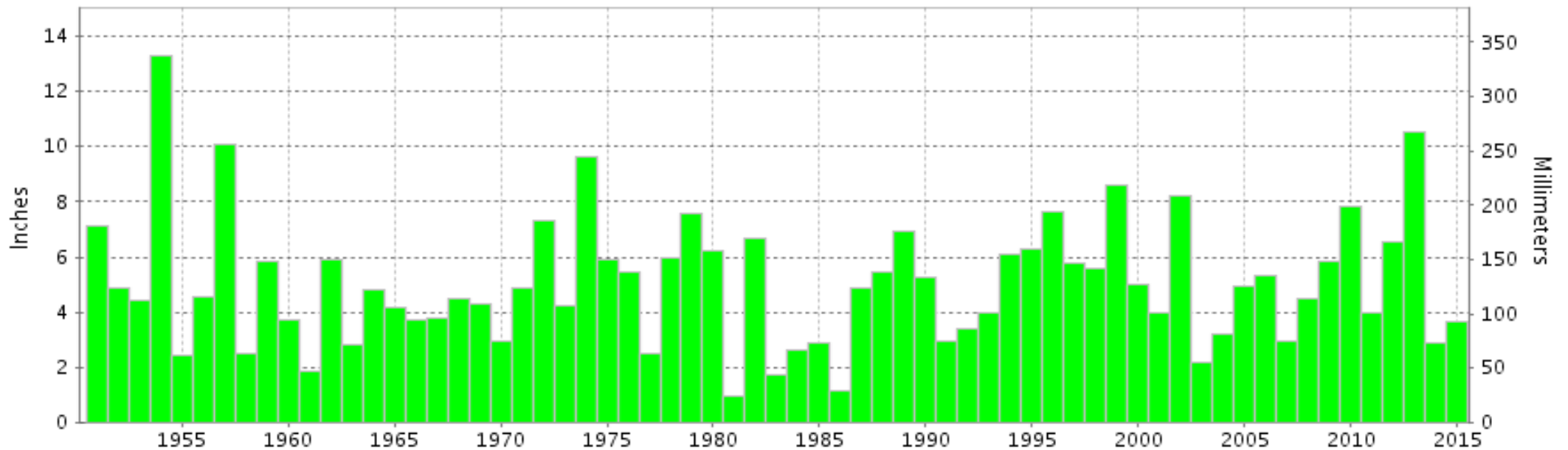
OAK RIDGE, TN JANUARY Temperatures



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

Long-Term (1951-2015) Mean: 37.1
1981-2010 Normal: 37.7

OAK RIDGE, TN JANUARY Precipitation



Long-Term (1951-2015) Mean Monthly Total: 5.04 1981-2010 Normal: 4.54



**JANUARY 2015
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

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