

# NORMALS, MEANS, AND EXTREMES

## BRISTOL-JHNSN CTY-KN, TN (TRI)

LATITUDE: 36° 28' 47" N      LONGITUDE: 82° 23' 56" W      ELEVATION (FT): GRND: 1536      BARO: 1539      TIME ZONE: EASTERN (UTC + 5)      WBAN: 13877

		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	44.1	48.9	58.4	67.1	74.9	81.8	84.8	83.9	78.5	68.2	57.4	47.8	66.3
	MEAN DAILY MAXIMUM	56	45.2	49.5	58.1	67.9	76.1	82.8	85.6	84.9	79.5	68.2	57.8	48.3	67.0
	HIGHEST DAILY MAXIMUM	58	79	80	85	89	92	97	102	101	100	90	81	78	102
	YEAR OF OCCURRENCE		1950	1977	1954	1995	1969	1952	1952	1988	1954	1954	2003	1951	JUL 1952
	MEAN OF EXTREME MAXS.	56	66.0	69.1	76.8	83.8	86.5	90.8	92.3	92.1	89.5	80.5	75.0	67.3	80.8
	NORMAL DAILY MINIMUM	30	24.3	27.0	34.6	42.0	51.0	59.5	63.5	61.7	54.7	41.8	33.6	26.8	43.4
	MEAN DAILY MINIMUM	56	25.9	28.5	35.0	43.5	52.2	60.5	64.6	63.2	56.4	43.7	35.1	28.5	44.8
	LOWEST DAILY MINIMUM	58	-21	-15	-2	21	30	38	45	43	34	20	5	-9	-21
	YEAR OF OCCURRENCE		1985	1996	1980	1982	1997	1966	1947	1986	1983	1962	1950	1962	JAN 1985
	MEAN OF EXTREME MINS.	56	5.1	9.4	18.3	27.5	37.8	48.2	55.5	53.7	42.5	28.8	19.3	10.2	29.7
	NORMAL DRY BULB	30	34.2	38.0	46.5	54.6	63.0	70.7	74.2	72.8	66.6	55.0	45.5	37.3	54.9
	MEAN DRY BULB	56	35.6	39.2	46.6	55.6	64.1	71.6	75.0	73.9	68.1	55.9	46.5	38.4	55.9
	MEAN WET BULB	19	32.4	35.7	41.3	49.1	57.7	65.1	68.8	63.9	61.3	48.3	40.2	33.3	49.8
	MEAN DEW POINT	19	26.9	29.4	34.2	42.5	53.1	61.7	65.7	61.1	57.9	43.6	35.0	28.3	45.0
	NORMAL NO. DAYS WITH:														
MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.0	0.0	1.9	5.9	4.2	1.4	0.0	0.0	0.0	13.4	
MAXIMUM ≤ 32°	30	4.7	2.9	0.4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.4	10.5	
MINIMUM ≤ 32°	30	22.4	18.9	12.5	4.0	0.2	0.0	0.0	0.0	0.0	3.1	13.0	20.3	94.4	
MINIMUM ≤ 0°	30	0.6	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.1	
H/C	NORMAL HEATING DEG. DAYS	30	939	745	561	306	110	11	3	2	52	303	570	843	4445
	NORMAL COOLING DEG. DAYS	30	0	0	1	10	61	198	304	260	116	6	0	0	956
RH	NORMAL (PERCENT)	30	72	70	65	64	72	75	77	78	77	73	71	74	72
	HOUR 01 LST	30	78	76	73	73	84	88	90	90	90	86	80	79	82
	HOUR 07 LST	30	82	81	81	82	89	90	92	94	94	91	85	83	87
	HOUR 13 LST	30	63	59	53	50	55	58	61	60	58	53	56	62	57
	HOUR 19 LST	30	67	62	56	52	61	64	67	69	70	66	65	68	64
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	61	3.3	2.5	1.4	1.6	3.8	4.0	4.8	7.2	5.4	5.1	2.9	3.2	45.2
	THUNDERSTORMS	61	0.3	0.9	2.0	3.5	6.6	8.1	9.0	7.3	3.3	0.8	0.4	0.2	42.4
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	1					4.8	4.0							
	MIDNIGHT-MIDNIGHT (OKTAS)	1						4.0							
	MEAN NO. DAYS WITH:														
CLEAR	1	2.0	2.0	3.0		10.0	10.0								
PARTLY CLOUDY	1	1.0	2.0	2.0		5.0	7.0								
CLOUDY	1	1.0	6.0	10.0		6.0	5.0								
PR	MEAN STATION PRESSURE (IN)	31	28.50	28.49	28.40	28.40	28.40	28.40	28.50	28.50	28.50	28.50	28.50	28.49	28.46
	MEAN SEA-LEVEL PRES. (IN)	20	30.13	30.11	30.04	30.00	30.00	30.01	30.04	30.05	30.07	30.13	30.13	30.16	30.07
WINDS	MEAN SPEED (MPH)	40	6.2	6.4	7.2	6.7	5.4	4.7	4.3	3.9	4.3	4.2	5.4	5.8	5.4
	PREVAIL. DIR (TENS OF DEGS)	31	24	24	24	24	24	24	23	06	06	06	24	24	24
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	8	40	37	39	39	36	39	36	37	29	36	36	36	40
	DIR. (TENS OF DEGS)		24	24	26	25	24	31	01	25	28	27	25	30	24
	YEAR OF OCCURRENCE		1996	2000	1998	1996	2002	1998	1998	2002	2003	2001	2000	2003	JAN 1996
	MAXIMUM 5-SECOND:														
SPEED (MPH)	8	51	45	46	54	62	52	52	54	39	48	47	48	62	
DIR. (TENS OF DEGS)		26	26	26	27	28	33	24	29	30	34	25	29	28	
YEAR OF OCCURRENCE		1996	2003	1996	1996	2000	1997	1997	2000	2003	1999	2000	2003	MAY 2000	
PRECIPITATION	NORMAL (IN)	30	3.52	3.40	3.91	3.23	4.32	3.89	4.21	3.00	3.08	2.30	3.08	3.39	41.33
	MAXIMUM MONTHLY (IN)	58	9.18	7.75	9.56	7.03	9.71	7.37	9.73	11.34	7.09	5.65	6.74	6.75	11.34
	YEAR OF OCCURRENCE		1957	1994	1955	1998	1950	1998	1949	2003	1972	1959	2003	1961	AUG 2003
	MINIMUM MONTHLY (IN)	58	1.37	0.75	1.31	0.21	1.31	0.75	0.67	0.55	0.50	0.02	0.50	0.21	0.02
	YEAR OF OCCURRENCE		1981	1968	1985	1976	1966	1986	1995	1987	1985	2000	2001	1965	OCT 2000
	MAXIMUM IN 24 HOURS (IN)	58	2.34	2.48	3.35	2.66	3.26	3.10	2.90	3.50	3.61	3.65	3.18	2.95	3.65
	YEAR OF OCCURRENCE		1950	1994	1973	1977	1984	1954	1946	2003	1972	1964	2003	1969	OCT 1964
	NORMAL NO. DAYS WITH:														
PRECIPITATION ≥ 0.01	30	13.3	11.9	13.0	11.3	12.3	11.9	11.5	10.0	8.8	8.4	10.2	12.0	134.6	
PRECIPITATION ≥ 1.00	30	0.5	0.6	0.6	0.3	0.9	0.7	0.9	0.8	0.7	0.5	0.5	0.5	7.5	
SNOWFALL	NORMAL (IN)	30	5.5	4.1	1.9	0.9	0.*	0.0	0.0	0.0	0.0	0.1	0.3	2.2	15.0
	MAXIMUM MONTHLY (IN)	59	22.1	20.4	27.9	14.8	T	T	0.0	0.0	T	1.3	18.1	12.9	27.9
	YEAR OF OCCURRENCE		1966	1979	1960	1987	1992	1995			1994	1993	1952	1963	MAR 1960
	MAXIMUM IN 24 HOURS (IN)	53	13.0	11.5	14.2	10.0	T	T	0.0	0.0	T	1.3	16.2	9.6	16.2
	YEAR OF OCCURRENCE		1996	1996	1993	1987	1992	1995			1994	1993	1952	1969	NOV 1952
	MAXIMUM SNOW DEPTH (IN)	47	13	10	13	11	0	0	0	0	0	1	12	20	20
	YEAR OF OCCURRENCE		1966	1969	1960	1987						1993	1952	1948	DEC 1948
NORMAL NO. DAYS WITH:															
SNOWFALL ≥ 1.0	30	1.9	1.0	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8	4.6	