

# NORMALS, MEANS, AND EXTREMES

## CHATTANOOGA, TN (CHA)

LATITUDE: 35° 02' 00" N      LONGITUDE: 85° 12' 00" W      ELEVATION (FT): GRND: 688      BARO: 691      TIME ZONE: EASTERN (UTC + 5)      WBAN: 13882

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	48.8	54.1	62.8	72.1	79.1	86.2	89.8	88.7	82.5	72.3	61.1	52.0	70.8
	MEAN DAILY MAXIMUM	56	49.1	54.1	62.0	72.5	80.0	86.6	89.5	88.8	82.8	72.7	61.1	51.7	70.9
	HIGHEST DAILY MAXIMUM	64	78	79	87	93	99	104	106	105	102	94	84	78	106
	YEAR OF OCCURRENCE		1949	1989	1963	1942	1941	1952	1952	1947	1954	1954	1961	1951	JUL 1952
	MEAN OF EXTREME MAXS.	56	67.6	71.9	79.3	86.5	89.6	94.7	96.7	95.8	92.7	84.4	76.5	68.7	83.7
	NORMAL DAILY MINIMUM	30	29.9	32.6	40.0	47.0	56.2	64.6	69.4	68.3	61.7	48.5	39.5	32.7	49.2
	MEAN DAILY MINIMUM	56	30.1	32.8	39.4	47.6	56.3	64.5	68.8	67.7	61.4	48.4	38.5	32.2	49.0
	LOWEST DAILY MINIMUM	64	-1.0	1	8	25	34	41	51	50	36	22	4	-2	-1.0
	YEAR OF OCCURRENCE		1985	1958	1960	1992	1971	1972	1972	1946	1967	1952	1950	1983	JAN 1985
	MEAN OF EXTREME MINS.	56	11.5	15.5	23.4	31.8	41.8	53.3	59.9	59.2	47.5	32.7	23.0	16.0	34.6
	NORMAL DRY BULB	30	39.4	43.4	51.4	59.6	67.7	75.4	79.6	78.5	72.1	60.4	50.3	42.4	60.0
	MEAN DRY BULB	56	39.6	43.5	50.7	60.1	68.1	75.5	79.1	78.3	72.0	60.6	49.7	42.1	59.9
	MEAN WET BULB	20	36.7	40.2	45.8	53.5	62.1	68.9	72.4	67.9	65.5	55.2	46.3	38.8	54.4
	MEAN DEW POINT	20	30.8	33.7	38.6	46.9	57.7	65.5	69.1	64.7	62.0	50.9	41.2	33.4	49.5
	NORMAL NO. DAYS WITH:														
MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.2	1.3	9.0	17.1	14.0	4.7	0.1	0.0	0.0	46.4	
MAXIMUM ≤ 32°	30	2.3	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.4	
MINIMUM ≤ 32°	30	18.8	14.6	6.9	1.4	0.0	0.0	0.0	0.0	0.0	0.6	8.6	16.6	67.5	
MINIMUM ≤ 0°	30	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*	0.1	
H/C	NORMAL HEATING DEG. DAYS	30	797	618	432	195	48	2	0	0	16	180	442	697	3427
	NORMAL COOLING DEG. DAYS	30	0	0	5	32	124	312	450	418	229	35	2	1	1608
RH	NORMAL (PERCENT)	30	72	69	66	65	72	74	74	75	76	75	74	73	72
	HOUR 01 LST	30	78	77	76	78	87	87	88	89	88	88	83	80	83
	HOUR 07 LST	30	81	82	82	85	89	90	92	92	91	91	86	83	87
	HOUR 13 LST	30	63	58	54	49	55	57	57	58	59	55	58	62	57
	HOUR 19 LST	30	66	58	53	49	58	60	62	64	66	68	68	68	62
S	PERCENT POSSIBLE SUNSHINE	66	43	49	53	61	65	65	62	63	64	63	53	44	57
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	73	3.0	1.6	1.7	1.5	2.3	2.0	2.0	2.5	3.5	5.5	3.8	3.2	32.6
	THUNDERSTORMS	73	1.3	1.9	3.6	4.8	7.3	9.5	11.1	9.2	4.1	1.3	1.3	0.6	56.0
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH:														
CLEAR	1	1.0	2.0	4.0		13.0	10.0								
PARTLY CLOUDY	1		2.0	1.0		5.0	6.0								
CLOUDY	1	8.0	6.0	8.0		2.0	5.0								
PR	MEAN STATION PRESSURE (IN)	31	29.40	29.36	29.31	29.29	29.27	29.28	29.31	29.32	29.34	29.38	29.39	29.41	29.34
	MEAN SEA-LEVEL PRES. (IN)	20	30.15	30.12	30.06	30.02	30.00	29.99	30.03	30.03	30.04	30.11	30.14	30.17	30.07
WINDS	MEAN SPEED (MPH)	51	6.9	7.2	7.7	7.3	5.8	5.2	4.9	4.4	4.7	4.8	5.8	6.3	5.9
	PREVAIL. DIR (TENS OF DEGS)	35	36	36	18	18	18	18	18	18	18	18	18	18	18
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	8	30	31	44	31	33	39	44	43	33	35	33	29	44
	DIR. (TENS OF DEGS)		31	02	32	35	32	28	30	06	29	29	25	22	30
	YEAR OF OCCURRENCE		2000	1998	1997	2001	2003	2003	1997	1996	2002	2001	2000	1996	JUL 1997
	MAXIMUM 5-SECOND:														
	SPEED (MPH)	8	44	40	54	40	41	51	53	53	41	49	41	38	54
DIR. (TENS OF DEGS)		30	19	31	36	33	29	31	02	15	29	27	21	31	
YEAR OF OCCURRENCE		1997	2003	1997	2001	2003	2003	1997	2002	2002	2001	2003	1996	MAR 1997	
PRECIPITATION	NORMAL (IN)	30	5.40	4.85	6.19	4.23	4.28	3.99	4.73	3.59	4.31	3.26	4.88	4.81	54.52
	MAXIMUM MONTHLY (IN)	64	12.28	11.03	16.32	11.92	11.19	9.40	11.93	7.54	14.18	9.91	13.59	13.68	16.32
	YEAR OF OCCURRENCE		1947	1944	1980	1964	2003	1949	1994	1975	1977	1949	1948	1961	MAR 1980
	MINIMUM MONTHLY (IN)	64	0.90	0.62	1.17	0.44	0.54	0.63	0.20	0.45	0.34	0.22	0.93	0.86	0.20
	YEAR OF OCCURRENCE		1986	1941	1967	1942	1941	1988	1957	1999	1941	1991	1953	1965	JUL 1957
	MAXIMUM IN 24 HOURS (IN)	64	4.44	4.39	6.53	4.11	4.23	4.85	5.77	3.70	6.62	4.19	4.56	5.25	6.62
	YEAR OF OCCURRENCE		1949	1995	1973	2000	2003	1949	1979	1941	1977	1995	1948	1942	SEP 1977
	NORMAL NO. DAYS WITH:														
PRECIPITATION ≥ 0.01	30	11.8	10.0	12.2	9.4	10.6	10.6	11.2	9.6	8.7	7.1	9.8	11.2	122.2	
PRECIPITATION ≥ 1.00	30	1.8	1.5	1.7	1.2	1.1	1.1	1.4	1.0	1.2	1.0	1.6	1.4	16.0	
SNOWFALL	NORMAL (IN)	30	2.0	1.3	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.*	0.*	0.1	4.8
	MAXIMUM MONTHLY (IN)	66	10.2	10.4	20.0	2.8	T	T	0.0	0.0	0.0	T	2.8	9.1	20.0
	YEAR OF OCCURRENCE		1988	1960	1993	1987	1944	1995				1993	1950	1963	MAR 1993
	MAXIMUM IN 24 HOURS (IN)	66	10.2	8.7	20.0	2.8	T	T	0.0	0.0	0.0	T	2.8	8.9	20.0
	YEAR OF OCCURRENCE		1988	1960	1993	1987	1944	1995				1993	1950	1963	MAR 1993
	MAXIMUM SNOW DEPTH (IN)	48	47	6	19	2	0	0	0	0	0	0	2	3	47
	YEAR OF OCCURRENCE		1948	1960	1993	1987							1950	1963	JAN 1948
	NORMAL NO. DAYS WITH:														
SNOWFALL ≥ 1.0	30	0.5	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	