

1999

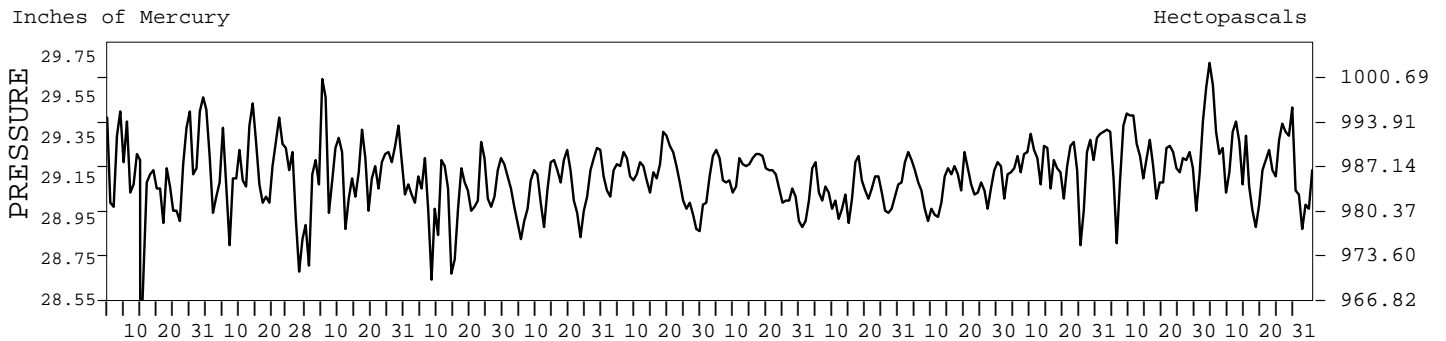
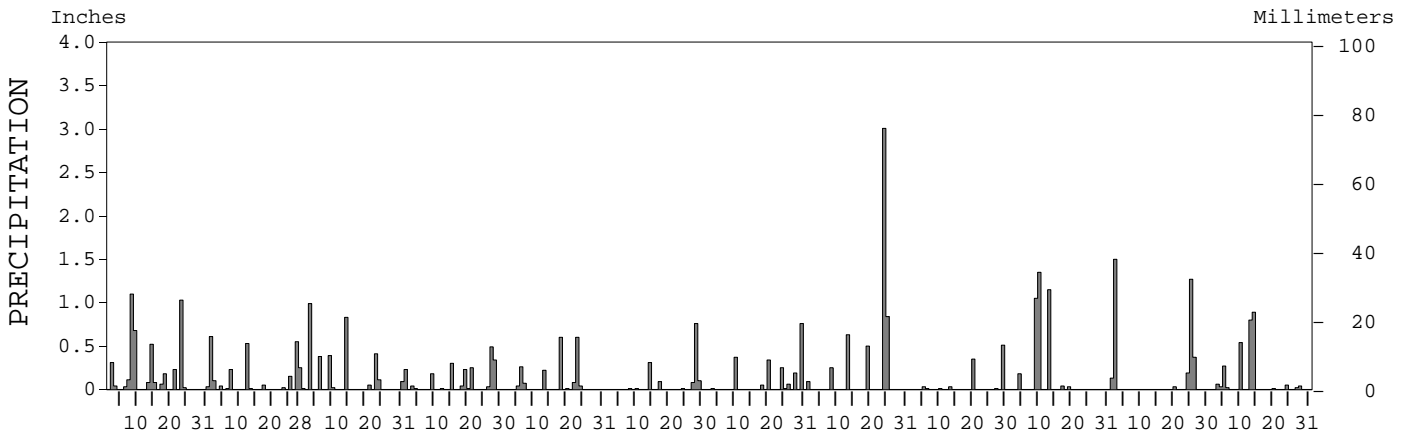
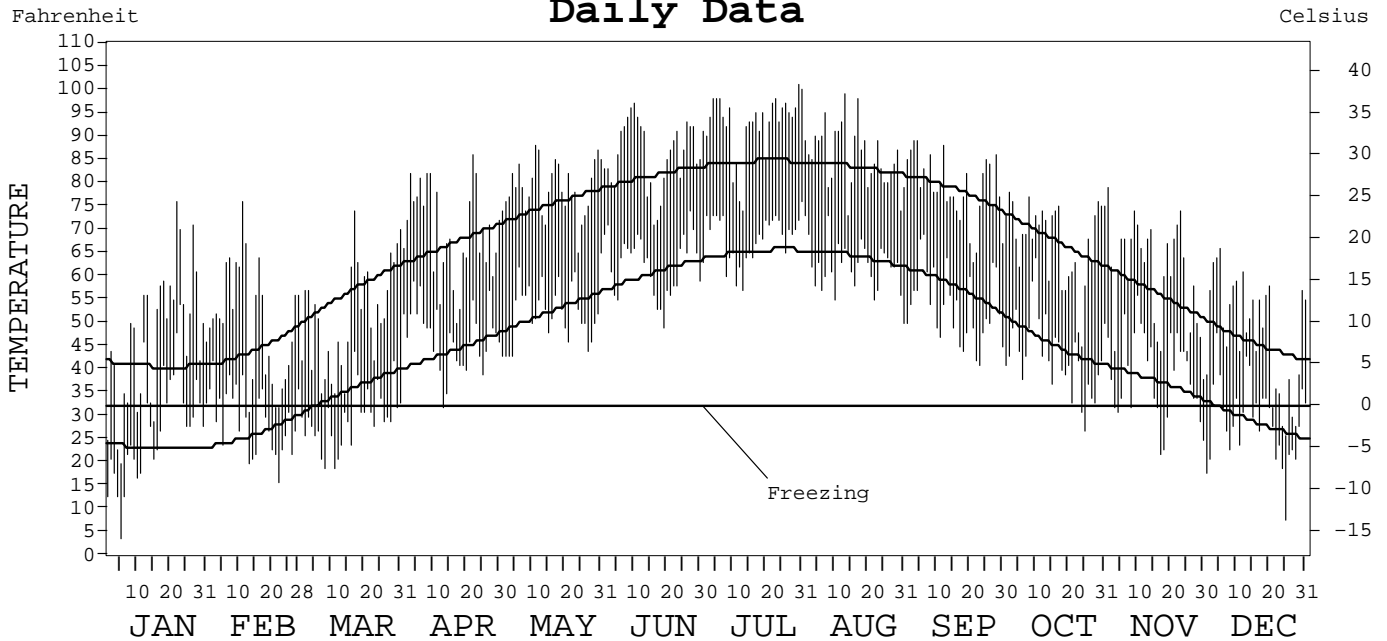
LOCAL CLIMATOLOGICAL DATA  
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-5647

HUNTINGTON,  
WEST VIRGINIA (HTS)

Daily Data



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*Thomas R. Karl*

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE	NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA	DIRECTOR NATIONAL CLIMATIC DATA CENTER
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# METEOROLOGICAL DATA FOR 1999

## HUNTINGTON, WV (HTS)

LATITUDE: 38° 22' 54" N      LONGITUDE: 82° 33' 18" W      ELEVATION (FT): GRND: 835      BARO: 835      TIME ZONE: EASTERN (UTC + 5)      WBAN: 03860

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE ° F	MEAN DAILY MAXIMUM	47.1	50.1	51.6	69.4	78.8	86.0	92.5	85.7	78.8	67.4	60.3	47.7	68.0	
	HIGHEST DAILY MAXIMUM	76	76	74	86	88	97	101	99	89	78	79	66	101	
	DATE OF OCCURRENCE	22	11	17	22	11	10	30	13	04+	02	01	05	JUL 30	
	MEAN DAILY MINIMUM	27.9	29.4	29.7	46.9	52.3	62.4	68.1	62.3	53.5	43.1	38.7	29.0	45.3	
	LOWEST DAILY MINIMUM	4	16	19	32	43	49	57	50	41	27	22	8	4	
	DATE OF OCCURRENCE	05	22	11+	13	04+	19	13	31	23	25	17	25	JAN 05	
	AVERAGE DRY BULB	37.5	39.8	40.7	58.2	65.6	74.2	80.3	74.0	66.2	55.3	49.5	38.4	56.6	
	MEAN WET BULB		34.6	34.8	51.0		65.8					45.0			
	MEAN DEW POINT		27.1	25.4	43.4		60.8					39.5			
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	0	12	26	9	0	0	0	0	0	47
	MAXIMUM ≤ 32°	5	3	0	0	0	0	0	0	0	0	0	5	13	
	MINIMUM ≤ 32°	19	17	24	1	0	0	0	0	0	2	9	20	92	
	MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	
H/C	HEATING DEGREE DAYS	846	701	749	217	46	4	0	51	297	460	818	4189		
	COOLING DEGREE DAYS	0	0	0	20	72	288	483	286	92	4	0	1245		
RH	MEAN (PERCENT)	68	64	59	62	65	67	68	68	70	73	72	66	67	
	HOUR 01 LST	73	69	63	68	82	81	82	83	85	85	80	69	77	
	HOUR 07 LST	78	80	78	77	85	82	87	88	90	90	86	79	83	
	HOUR 13 LST	61	56	50	50	46	49	50	48	51	55	59	56	53	
	HOUR 19 LST	63	55	46	52	49	54	55	55	57	65	60	58	56	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	1	3	1	4	1	3	0	6	4	6	4	1	34	
	THUNDERSTORMS	1	1	0	2	4	1	3	3	0	2	0	0	17	
CLOUDINESS	SUNRISE-SUNSET: (OKTAS)														
	CEILOMETER (≤ 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
	MIDNIGHT-MIDNIGHT: (OKTAS)														
	CEILOMETER (≤ 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
NUMBER OF DAYS WITH:															
CLEAR															
PARTLY CLOUDY															
CLOUDY															
PR	MEAN STATION PRESS. (IN.)		29.17	29.18	29.06	29.11	29.15	29.14	29.09	29.12	29.24	29.26	29.22		
	MEAN SEA-LEVEL PRESS. (IN.)		30.08	30.09	29.95						30.13	30.16			
WINDS	RESULTANT SPEED (MPH)		1.8	1.7	2.4	1.2	0.9	0.5	0.6	0.1	1.1	2.1	2.6		
	RES. DIR. (TENS OF DEGS.)		25	31	24	21	15	24	03	16	22	25	24		
	MEAN SPEED (MPH)	7.5	6.4	7.0	7.6	5.0	5.0	5.4	4.7	4.5	4.5	5.6	6.1	5.8	
	PREVAIL. DIR. (TENS OF DEGS.)	26	20	06	21	21	21	22	21	20	21	20	21	21	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	29	36	23	32	31	21	25	31	22	38	22	25	38	
	DIR. (TENS OF DEGS.)	26	25	28	23	26	22	33	25	29	30	31	27	30	
	DATE OF OCCURRENCE	18	07	06	16	18	28	26+	13	29	13	02	15	OCT 13	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	41	48	37	47	43	29	38	37	31	60	32	36	60	
DIR. (TENS OF DEGS.)	26	26	28	26	27	24	25	29	29	29	27	25	29		
DATE OF OCCURRENCE	18	07	06	09	18	02	28	19+	29	13	03	15	OCT 13		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	4.50	2.55	3.28	2.16	1.92	1.37	2.04	5.32	0.95	3.80	3.49	2.73	34.11	
	GREATEST 24-HOUR (IN.)	1.10	0.69	0.99	0.73	0.60	0.86	0.76	3.62	0.51	1.35	1.63	1.33	3.62	
	DATE OF OCCURRENCE	08	27-28	03	27-28	23+	28-29	30	24-25	29	10	01-02	13-14	AUG 24-25	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	15	12	10	13	9	8	9	6	7	6	6	11	112	
PRECIPITATION ≥ 0.10	8	7	6	7	4	3	5	5	2	4	5	4	60		
PRECIPITATION ≥ 1.00	2	0	0	0	0	0	0	1	0	3	2	0	8		
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)														
	GREATEST 24-HOUR (IN.)														
	DATE OF OCCURRENCE														
	MAXIMUM SNOW DEPTH (IN.)														
	DATE OF OCCURRENCE														
NUMBER OF DAYS WITH:															
SNOWFALL ≥ 1.0															

# NORMALS, MEANS, AND EXTREMES

## HUNTINGTON, WV (HTS)

LATITUDE: 38° 22' 54" N      LONGITUDE: 82° 33' 18" W      ELEVATION (FT): GRND: 835      BARO: 835      TIME ZONE: EASTERN (UTC + 5)      WBAN: 03860

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	40.7	44.2	56.5	66.8	75.2	81.3	84.3	83.1	78.0	67.2	55.9	45.3	64.9
	MEAN DAILY MAXIMUM	38	41.2	45.2	56.1	67.3	75.3	82.5	85.9	84.3	77.9	67.3	55.7	45.5	65.3
	HIGHEST DAILY MAXIMUM	39	76	79	86	92	93	100	102	100	97	87	82	80	102
	YEAR OF OCCURRENCE		1999	1977	1989	1985	1991	1988	1988	1988	1998	1997	1993	1982	JUL 1988
	MEAN OF EXTREME MAXS.	38	65.0	68.6	79.4	85.1	88.4	91.7	94.2	93.1	90.0	82.5	75.9	66.7	81.7
	NORMAL DAILY MINIMUM	30	23.2	26.1	35.5	43.8	52.4	60.4	65.0	63.9	57.1	45.0	37.0	28.4	44.8
	MEAN DAILY MINIMUM	38	24.2	26.6	35.2	44.1	52.7	60.8	65.4	63.9	56.8	44.9	36.8	28.9	45.0
	LOWEST DAILY MINIMUM	39	-21	-9	-2	20	27	40	46	43	31	16	8	-13	-21
	YEAR OF OCCURRENCE		1994	1996	1980	1985	1966	1977	1968	1986	1983	1962	1964	1989	JAN 1994
	MEAN OF EXTREME MINS.	38	1.1	6.1	17.1	26.9	36.1	47.2	53.5	52.3	40.7	28.4	20.0	8.9	28.2
	NORMAL DRY BULB	30	32.0	35.1	46.0	55.3	63.8	70.9	74.7	73.5	67.6	56.1	46.5	36.9	54.9
	MEAN DRY BULB	38	32.6	36.0	45.6	55.7	64.0	71.7	75.5	74.1	67.4	56.1	46.3	37.1	55.2
	MEAN WET BULB	15	30.9	33.8	39.7	48.5	57.5	65.9	69.4	68.1	61.5	47.2	41.7	34.3	49.9
	MEAN DEW POINT	15	24.9	27.0	31.7	40.0	52.5	62.2	66.0	64.9	58.0	42.5	35.6	28.7	44.5
	NORMAL NO. DAYS WITH:														
MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.2	0.5	4.0	7.3	5.9	1.6	0.0	0.0	0.0	19.5	
MAXIMUM ≤ 32°	30	9.2	5.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	5.1	21.1	
MINIMUM ≤ 32°	30	24.0	20.5	13.5	3.8	0.3	0.0	0.0	0.0	*	3.5	11.0	20.3	96.9	
MINIMUM ≤ 0°	30	1.5	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.3	
H/C	NORMAL HEATING DEG. DAYS	30	1023	837	589	298	121	11	0	7	53	300	555	871	4665
	NORMAL COOLING DEG. DAYS	30	0	0	0	7	83	188	301	271	131	24	0	0	1005
RH	NORMAL (PERCENT)	30	69	67	62	59	68	73	76	77	78	71	69	71	70
	HOUR 01 LST	30	73	71	67	66	79	85	88	89	89	81	74	74	78
	HOUR 07 LST	30	77	76	75	76	84	88	90	92	92	87	80	78	83
	HOUR 13 LST	30	65	62	54	49	53	57	60	60	60	55	59	65	58
	HOUR 19 LST	30	63	59	53	48	57	62	66	67	69	61	62	66	61
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	37	2.6	2.7	1.9	1.6	4.3	6.4	8.9	10.3	9.2	5.8	3.0	2.8	59.5
	THUNDERSTORMS	37	0.4	0.6	2.7	4.1	5.9	7.0	8.4	6.4	2.3	1.0	0.9	0.3	40.0
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	35	6.2	6.2	5.9	5.6	5.5	5.4	5.4	5.2	5.0	4.7	5.8	6.1	5.6
	MIDNIGHT-MIDNIGHT (OKTAS)	32	6.0	5.8	5.6	5.3	5.2	5.0	5.0	4.9	4.6	4.4	5.3	5.8	5.2
	MEAN NO. DAYS WITH:														
	CLEAR	35	4.4	4.3	4.7	5.3	5.7	4.7	4.5	4.7	6.7	8.9	4.8	4.6	63.3
PARTLY CLOUDY	35	5.9	5.3	6.8	7.7	8.7	11.2	11.9	12.2	9.5	8.0	6.2	5.1	98.5	
CLOUDY	35	20.7	18.7	19.5	16.9	16.6	14.1	13.8	13.4	13.8	14.1	18.9	21.4	201.9	
PR	MEAN STATION PRESSURE (IN)	26	29.20	29.19	29.10	29.10	29.10	29.10	29.10	29.20	29.20	29.21	29.20	29.19	29.16
	MEAN SEA-LEVEL PRES. (IN)	15	30.12	30.09	30.05	29.96	30.00	30.01	30.01	30.04	30.07	30.10	30.11	30.13	30.06
WINDS	MEAN SPEED (MPH)	37	7.6	7.6	8.0	7.7	6.2	5.7	5.4	5.2	5.4	5.9	7.1	7.5	6.6
	PREVAIL. DIR (TENS OF DEGS)	31	26	24	22	24	22	22	22	22	22	22	22	24	22
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	3	29	36	26	32	36	32	35	32	24	38	25	26	38
	DIR. (TENS OF DEGS)		26	25	21	23	25	30	34	30	23	30	25	33	30
	YEAR OF OCCURRENCE		1999	1999	1997	1999	1997	1998	1998	1997	1997	1999	1998	1998	OCT 1999
	MAXIMUM 5-SECOND:														
SPEED (MPH)	3	48	48	40	47	46	51	44	46	31	60	34	36	60	
DIR. (TENS OF DEGS)		22	26	21	26	24	31	34	27	29	29	23	25	29	
YEAR OF OCCURRENCE		1997	1999	1998	1999	1997	1998	1998	1997	1999	1999	1998	1999	OCT 1999	
PRECIPITATION	NORMAL (IN)	30	2.83	2.90	3.68	3.43	4.24	3.51	4.65	3.83	2.93	2.83	3.30	3.36	41.49
	MAXIMUM MONTHLY (IN)	39	6.37	8.67	8.62	6.79	9.26	7.63	8.57	6.93	6.32	5.71	7.40	8.69	9.26
	YEAR OF OCCURRENCE		1978	1989	1994	1998	1974	1979	1962	1989	1989	1983	1985	1978	MAY 1974
	MINIMUM MONTHLY (IN)	39	0.64	0.53	1.12	0.74	0.93	0.41	1.37	0.68	0.35	T	0.73	0.31	T
	YEAR OF OCCURRENCE		1981	1968	1966	1976	1965	1966	1974	1962	1985	1963	1976	1965	OCT 1963
	MAXIMUM IN 24 HOURS (IN)	39	2.63	2.69	3.49	2.26	3.73	3.42	4.27	3.62	2.74	2.95	2.75	3.36	4.27
	YEAR OF OCCURRENCE		1974	1989	1997	1978	1990	1979	1962	1999	1964	1985	1988	1978	JUL 1962
	NORMAL NO. DAYS WITH:														
	PRECIPITATION ≥ 0.01	30	13.7	12.7	13.7	12.7	12.6	10.8	11.7	9.6	8.7	9.2	11.3	13.0	139.7
PRECIPITATION ≥ 1.00	30	0.3	0.4	0.7	0.6	0.9	0.6	1.0	1.1	0.7	0.6	0.7	0.6	8.2	
SNOWFALL	NORMAL (IN)	30	9.0	7.4	3.6	0.6	0.*	0.0	0.0	0.0	0.*	1.3	3.8	25.7	
	MAXIMUM MONTHLY (IN)	37	30.3	23.9	23.6	14.4	0.2	T	0.0	T	0.0	1.5	4.6	13.2	30.3
	YEAR OF OCCURRENCE		1978	1986	1993	1987	1989	1995		1991		1993	1987	1967	JAN 1978
	MAXIMUM IN 24 HOURS (IN)	37	11.6	11.2	21.1	8.1	0.2	T	0.0	T	0.0	1.5	4.4	6.7	21.1
	YEAR OF OCCURRENCE		1978	1985	1993	1987	1989	1995		1991		1993	1969	1967	MAR 1993
	MAXIMUM SNOW DEPTH (IN)	36	20	13	22	14	0	0	0	0	0	1	10	7	22
	YEAR OF OCCURRENCE		1978	1998	1993	1987						1993	1963	1967	MAR 1993
NORMAL NO. DAYS WITH:															
SNOWFALL ≥ 1.0	30	2.9	2.3	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.1	7.9	

## PRECIPITATION (inches) 1999 HUNTINGTON, WV (HTS)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1970	1.12	3.25	3.33	3.68	3.03	3.28	3.75	4.28	2.80	5.23	2.11	4.11	39.97
1971	2.57	2.71	1.96	1.20	6.04	4.80	7.57	1.05	2.61	1.48	1.96	1.50	35.45
1972	4.79	4.90	2.76	6.07	3.82	4.39	2.69	2.06	3.32	2.02	4.38	5.52	46.72
1973	1.48	2.05	3.27	4.91	4.89	3.14	3.52	1.69	2.55	3.39	5.17	2.23	38.29
1974	5.57	1.85	4.45	2.19	9.26	4.86	1.37	4.94	3.63	1.64	4.01	2.87	46.64
1975	4.14	3.11	6.32	5.55	3.20	4.06	4.55	3.96	4.84	3.47	2.64	3.64	49.48
1976	2.84	2.38	3.90	0.74	2.41	4.25	5.48	5.72	4.27	5.54	0.73	2.17	40.43
1977	2.42	0.76	3.10	3.58	2.32	4.70	3.22	5.93	3.26	4.36	3.57	2.33	39.55
1978	6.37	1.06	3.11	4.06	4.30	1.66	4.49	4.22	1.37	3.11	2.74	8.69	45.18
1979	5.28	4.28	2.24	2.83	4.65	7.63	6.18	6.86	5.29	2.67	3.19	2.77	53.87
1980	2.46	1.71	5.04	3.11	2.64	1.95	7.94	5.91	1.89	1.57	2.96	1.82	39.00
1981	0.64	4.23	1.65	5.35	5.19	5.91	3.64	1.03	1.60	2.53	1.23	2.61	35.61
1982	4.49	2.36	4.40	1.49	6.28	4.53	3.76	4.45	2.00	1.80	4.33	3.34	43.23
1983	1.40	1.92	1.89	3.99	6.82	3.02	2.03	3.56	0.63	5.71	2.87	3.10	36.94
1984	1.82	2.09	2.45	4.46	4.45	1.75	3.37	4.66	2.67	4.87	3.85	4.36	40.80
1985	3.13	2.92	3.41	0.83	5.40	3.10	6.13	4.68	0.35	5.17	7.40	2.10	44.62
1986	1.31	3.60	1.55	0.95	3.57	3.52	5.44	3.53	3.73	1.88	6.67	3.51	39.26
1987	2.52	3.32	2.44	4.78	3.59	2.56	3.12	1.19	2.08	0.55	2.51	4.82	33.48
1988	1.96	2.42	3.01	3.10	2.02	0.77	6.88	2.69	2.65	1.91	5.52	3.17	36.10
1989	3.60	8.67	5.83	3.73	3.96	5.49	6.48	6.93	6.32	4.30	2.39	2.28	59.98
1990	3.15	3.35	2.44	3.21	8.29	4.18	4.19	3.71	5.35	3.47	2.51	8.07	51.92
1991	2.22	3.47	7.71	3.91	1.20	1.63	2.79	4.05	2.27	1.01	3.08	5.36	38.70
1992	1.67	2.32	3.78	2.85	4.97	3.15	7.93	2.54	1.19	1.08	3.18	2.83	37.49
1993	2.23	3.68	5.53	2.18	2.52	5.65	2.80	2.74	4.35	3.48	3.70	3.28	42.14
1994	5.20	4.65	8.62	3.33	3.48	2.02	4.46	5.46	1.49	1.90	2.18	3.04	45.83
1995	5.27	2.20	3.04	2.26	6.66	6.17	1.74	3.46	3.69	2.88	2.24	2.84	42.45
1996	5.66	2.10	4.61	4.52	7.55	4.40	6.37	1.96	4.18	1.89	4.58	2.19	50.01
1997	1.88	1.76	8.33	1.72	2.95	4.90	4.63	4.45	1.29	1.26	3.37	1.56	38.10
1998	3.84	4.77	1.99	6.79	4.29	6.87	3.83	3.09	0.69	2.56	2.31	2.96	43.99
1999	4.50	2.55	3.28	2.16	1.92	1.37	2.04	5.32	0.95	3.80	3.49	2.73	34.11
POR= 59 YRS	3.26	2.96	3.98	3.38	4.34	3.78	4.58	3.51	2.82	2.39	3.04	3.24	41.28

WBAN : 03860

## AVERAGE TEMPERATURE (°F) 1999 HUNTINGTON, WV (HTS)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1970	27.3	33.9	40.9	56.7	65.7	71.4	73.5	73.4	72.7	58.6	47.2	39.0	55.0
1971	29.6	37.3	41.9	54.0	60.6	73.3	71.9	71.8	71.0	63.9	44.8	45.6	55.5
1972	35.8	34.6	43.5	54.1	62.2	66.3	74.6	72.3	69.2	51.0	42.9	40.4	53.9
1973	34.2	33.8	53.2	52.5	61.1	74.3	76.4	75.9	71.2	61.0	48.1	37.6	56.6
1974	41.9	37.9	49.4	58.1	64.5	68.4	75.4	73.8	63.4	54.1	46.4	38.6	56.0
1975	37.3	39.6	42.4	52.7	68.1	73.2	75.0	78.4	65.1	58.0	50.1	38.6	56.5
1976	31.6	46.4	51.9	56.0	62.6	72.2	72.7	72.1	63.2	50.1	39.2	32.3	54.2
1977	19.7	35.1	50.4	60.3	68.2	69.1	78.6	75.4	68.8	54.2	50.2	35.1	55.4
1978	25.1	24.7	42.3	56.9	62.2	73.1	76.4	75.9	72.1	54.1	48.0	38.5	54.1
1979	26.3	28.6	49.5	55.6	63.7	70.1	74.0	74.4	67.4	55.4	48.4	39.1	54.4
1980	34.6	29.2	41.9	53.4	64.7	70.5	77.7	77.8	70.7	53.9	43.7	36.5	54.6
1981	28.2	37.1	42.7	60.5	60.8	73.6	75.6	74.1	67.2	55.2	45.4	34.2	54.6
1982	27.5	34.5	45.9	50.6	68.0	67.5	74.4	69.8	63.9	57.6	49.7	45.5	54.6
1983	34.7	37.9	48.0	52.3	60.8	71.7	78.6	79.8	69.1	57.3	46.9	30.3	55.6
1984	28.4	41.7	41.8	54.8	61.6	75.2	73.4	75.6	65.8	62.9	42.9	45.7	55.8
1985	25.9	32.1	48.5	59.6	64.9	70.2	74.3	72.1	67.9	61.0	53.3	32.6	55.2
1986	33.7	39.4	47.2	58.7	66.6	73.2	77.9	72.9	70.8	58.3	45.8	36.2	56.7
1987	33.2	37.5	47.1	53.4	68.7	73.5	76.6	77.4	68.9	51.0	49.7	39.2	56.4
1988	31.2	35.1	46.1	54.3	63.6	71.5	78.0	77.0	66.9	49.4	46.9	37.4	54.8
1989	40.7	34.6	47.6	54.1	59.9	71.4	75.6	73.8	67.3	56.4	46.3	25.6	54.4
1990	42.1	43.9	51.3	54.9	62.8	72.2	75.7	73.7	68.2	57.1	50.4	43.1	58.0
1991	35.9	40.4	48.0	60.0	71.8	75.0	78.9	76.2	69.1	59.3	44.9	40.4	58.3
1992	35.6	41.4	45.6	55.8	61.7	69.1	75.6	71.5	67.3	54.9	47.3	37.9	55.3
1993	39.3	33.7	41.7	54.3	65.2	72.2	79.4	76.7	66.8	55.2	46.6	36.3	55.6
1994	27.1	37.6	44.8	59.9	60.3	75.3	76.8	72.6	65.6	56.3	51.6	41.4	55.8
1995	34.7	34.1	47.8	56.1	62.5	72.3	77.4	79.1	66.3	57.1	41.3	33.2	55.2
1996	32.0	36.3	40.1	54.5	65.9	73.3	73.5	73.8	66.1	56.4	40.0	40.5	54.4
1997	33.5	42.1	47.0	51.1	58.7	69.6	75.1	71.4	65.2	55.9	42.7	36.8	54.1
1998	41.5	42.2	47.0	55.0	66.4	71.4	74.4	74.7	72.5	57.5	47.5	40.7	57.6
1999	37.5	39.8	40.7	58.2	65.6	74.2	80.3	74.0	66.2	55.3	49.5	38.4	56.6
POR= 59 YRS	33.9	36.8	45.3	55.8	64.4	72.3	76.1	74.6	68.3	57.1	46.2	37.3	55.7

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HEATING DEGREE DAYS (base 65°F) 1999 HUNTINGTON, WV (HTS)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1970-71	4	0	28	215	529	800	1089	769	711	322	165	2	4634
1971-72	2	0	11	84	606	597	899	877	661	335	110	57	4239
1972-73	8	2	14	429	664	757	950	866	363	385	158	1	4597
1973-74	0	0	18	159	503	845	710	754	501	248	109	23	3870
1974-75	0	0	113	337	560	812	851	704	696	376	43	4	4496
1975-76	0	0	91	228	445	811	1032	535	422	314	125	3	4006
1976-77	0	1	76	460	765	1003	1397	829	475	200	67	45	5318
1977-78	0	0	35	332	455	919	1232	1122	698	254	164	12	5223
1978-79	0	0	15	334	504	815	1194	1014	484	292	110	12	4774
1979-80	2	5	36	312	494	798	936	1033	708	351	93	16	4784
1980-81	0	0	26	348	632	878	1132	777	690	183	167	0	4833
1981-82	0	0	67	307	577	947	1157	845	588	429	29	8	4954
1982-83	1	8	99	263	464	611	933	750	529	377	156	16	4207
1983-84	0	0	67	248	537	1070	1127	667	713	324	171	3	4927
1984-85	1	0	98	91	660	597	1205	918	507	206	72	18	4373
1985-86	0	0	63	164	348	1001	964	710	550	233	65	3	4101
1986-87	0	19	15	246	567	886	980	765	554	352	53	3	4440
1987-88	0	0	25	426	458	793	1043	858	584	325	104	28	4644
1988-89	0	0	38	485	538	849	744	845	548	340	213	4	4604
1989-90	0	7	70	283	557	1217	702	585	457	331	107	7	4323
1990-91	0	2	65	261	440	670	894	682	533	188	25	0	3760
1991-92	0	0	75	225	597	756	904	678	595	311	160	17	4318
1992-93	0	1	59	312	527	837	789	871	714	323	71	24	4528
1993-94	0	0	55	307	548	885	1167	762	620	199	181	1	4725
1994-95	0	2	35	271	402	722	934	858	525	280	132	2	4163
1995-96	0	0	60	255	706	981	1015	827	765	349	92	2	5052
1996-97	0	0	64	263	749	752	971	636	549	421	212	31	4648
1997-98	0	5	49	309	660	865	724	633	595	297	54	33	4224
1998-99	0	0	19	250	518	751	846	701	749	217	46	4	4101
1999-	0	0	51	297	460	818							

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COOLING DEGREE DAYS (base 65°F) 1999 HUNTINGTON, WV (HTS)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1970	0	0	0	21	130	201	275	268	265	25	0	0	1185
1971	0	0	0	0	35	258	225	215	197	56	7	2	995
1972	0	0	1	16	30	102	308	234	147	0	3	0	841
1973	0	0	4	14	40	284	357	344	212	41	0	0	1296
1974	0	0	21	45	100	130	332	279	69	8	7	0	991
1975	0	0	0	15	143	255	319	423	100	17	2	0	1274
1976	0	1	24	51	59	224	244	228	32	4	0	0	867
1977	0	0	25	66	173	173	427	330	156	4	19	0	1373
1978	0	0	0	18	85	261	361	344	234	5	0	0	1308
1979	0	0	13	17	76	173	286	301	113	22	3	0	1004
1980	0	0	0	10	89	190	403	401	206	11	0	0	1310
1981	0	0	3	55	45	262	334	289	140	10	0	0	1138
1982	0	0	0	7	131	88	299	162	72	42	10	11	822
1983	0	0	7	3	35	222	426	466	198	17	0	0	1374
1984	0	0	0	26	71	314	269	336	132	34	5	6	1193
1985	0	0	6	53	75	182	297	227	155	45	7	0	1047
1986	0	0	8	51	125	253	406	273	199	45	0	0	1360
1987	0	0	0	13	176	267	367	391	147	0	5	0	1366
1988	0	0	7	10	68	230	409	379	102	10	2	0	1217
1989	0	0	12	19	61	201	331	285	147	24	0	0	1080
1990	0	0	35	33	47	231	340	281	165	25	8	0	1165
1991	0	0	15	45	245	308	438	355	206	54	4	0	1670
1992	0	0	1	41	66	149	334	210	136	5	0	0	942
1993	0	0	0	6	82	249	453	371	116	10	7	0	1294
1994	0	0	1	50	43	316	374	245	59	7	5	0	1100
1995	0	0	0	22	58	228	388	444	106	16	2	0	1264
1996	0	0	0	39	127	258	275	278	101	5	4	0	1087
1997	1	3	0	9	23	175	320	210	63	35	0	0	839
1998	0	0	44	2	107	230	297	306	253	27	0	4	1270
1999	0	0	0	20	72	288	483	286	92	4	0	0	1245

SNOWFALL (inches) 1999 HUNTINGTON, WV (HTS)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1970-71	0.0	0.0	0.0	0.0	0.1	4.7	7.1	9.8	11.0	0.0	0.0	0.0	32.7
1971-72	0.0	0.0	0.0	0.0	4.0	0.2	6.0	6.6	4.5	T	0.0	0.0	21.3
1972-73	0.0	0.0	0.0	0.2	3.6	0.8	2.6	1.5	3.4	0.7	0.0	0.0	12.8
1973-74	0.0	0.0	0.0	0.0	T	2.0	0.3	7.5	1.0	0.8	0.0	0.0	11.6
1974-75	0.0	0.0	0.0	0.4	T	5.9	14.7	1.9	6.3	T	0.0	0.0	29.2
1975-76	0.0	0.0	0.0	0.0	0.3	1.6	10.2	1.2	6.2	0.0	0.0	0.0	19.5
1976-77	0.0	0.0	0.0	T	2.2	4.8	23.7	5.3	0.8	T	0.0	0.0	36.8
1977-78	0.0	0.0	0.0	T	3.5	2.0	30.3	9.7	10.2	0.0	0.0	0.0	55.7
1978-79	0.0	0.0	0.0	0.0	T	0.6	14.7	18.1	0.3	T	0.0	0.0	33.7
1979-80	0.0	0.0	0.0	0.0	0.4	0.3	9.2	9.3	5.5	0.2	0.0	0.0	24.9
1980-81	0.0	0.0	0.0	T	0.7	1.1	4.6	2.4	3.3	0.0	0.0	0.0	12.1
1981-82	0.0	0.0	0.0	0.0	T	6.4	7.6	5.1	4.2	T	0.0	0.0	23.3
1982-83	0.0	0.0	0.0	0.0	T	0.7	3.3	11.1	3.9	T	0.0	0.0	19.0
1983-84	0.0	0.0	0.0	0.0	T	2.0	11.7	8.7	2.2	0.0	0.0	0.0	24.6
1984-85	0.0	0.0	0.0	0.0	0.1	2.5	19.5	21.2	0.2	0.4	0.0	0.0	43.9
1985-86	0.0	0.0	0.0	0.0	0.0	5.8	10.4	23.9	1.5	T	0.0	0.0	41.6
1986-87	0.0	0.0	0.0	0.0	0.7	T	9.1	6.1	2.8	14.4	0.0	0.0	33.1
1987-88	0.0	0.0	0.0	T	4.6	3.7	7.6	3.4	1.9	T	0.0	0.0	21.2
1988-89	0.0	0.0	0.0	0.0	T	2.5	0.3	2.0	T	T	0.2	0.0	5.0
1989-90	0.0	0.0	0.0	T	2.7	9.9	0.8	2.9	5.3	0.7	0.0	T	22.3
1990-91	0.0	0.0	0.0	0.0	0.0	2.6	2.8	5.1	4.8	0.0	0.0	0.0	15.3
1991-92	0.0	T	0.0	0.0	0.4	0.5	2.3	0.4	4.6	3.0	T	0.0	11.2
1992-93	0.0	0.0	0.0	T	1.3	5.9	0.5	13.6	23.6	0.1	T	0.0	45.0
1993-94	0.0	0.0	0.0	1.5	T	10.7	21.6	3.0	6.8	T	0.0	0.0	43.6
1994-95	0.0	0.0	0.0	0.0	0.0	0.1	4.6	4.0	8.1	0.0	0.0	T	16.8
1995-96	0.0	0.0	0.0	T	3.8	4.7	22.4	8.3	5.1	0.5	0.0	0.0	44.8
1996-97	0.0	0.0	0.0	0.0	0.2	0.7	1.3	2.4	T	T	T	0.0	
1997-98	0.0	0.0	0.0	0.0	0.1	6.2	0.5	16.7					
1998-99													
1999-													
POR= 35 YRS	0.0	T	0.0	0.1	1.3	3.9	8.4	7.1	4.3	0.6	0.0	T	25.7

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REFERENCE NOTES:

<p>PAGE 1: THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3: H/C INDICATES HEATING AND COOLING DEGREE DAYS. RH INDICATES RELATIVE HUMIDITY W/O INDICATES WEATHER AND OBSTRUCTIONS S INDICATES SUNSHINE. PR INDICATES PRESSURE. CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL: T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE. + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES. BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA. NORMALS ARE 30-YEAR AVERAGES (1961 - 1990). ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM. PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH. POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING. WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED. 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05. CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET. THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.</p>	<p>GENERAL CONTINUED: CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS. WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED. WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH. RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION. AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2. SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL. A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65° F. DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR. DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY. WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.</p> <p>ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p>
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1999  
HUNTINGTON,  
WEST VIRGINIA (HTS)

The Tri-State Airport is near the confluence of the Ohio and Big Sandy Rivers, located on a man-made plateau constructed by cutting the tops off several hills and filling intervening valleys. The elevation of the ground at the National Weather Service Office is 260 feet higher than at the Federal Building in downtown Huntington.

The temperature record for the valley locations is not compatible with that for the airport, which is generally cooler throughout the year. The summer season is moderately warm and humid, with the valley locations considerably warmer and more humid than the Tri-State Airport site. The winter months are moderately cold, with an occasional severe cold wave lasting a few days. The four seasons are nearly equal in length and autumn is the most pleasant, with warm days and cool nights.

The heaviest rainfall occurs in July and August, mostly in thunderstorms, and flash floods are common in the area. The winter rainfall occurs mostly prior to and with a frontal passage and frequently lasts from two to four days, causing frequent general flooding on all streams.

Snow seldom remains on the ground more than two days in the valleys. However, at higher elevations surrounding the airport, roads are frequently blocked for several days during the winter months.

# STATION LOCATION

HUNTINGTON, WEST VIRGINIA

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE										AUCI M T S W	* Type M = AMOS T = AUTOB S = ASOS W = AWOS	REMARKS	
						SEA LEVEL	GROUND												
							WIND	EMERSON	EMERSON	EMERSON	EMERSON	EMERSON	EMERSON	EMERSON	EMERSON				EMERSON
<u>COOPERATIVE</u>																			
1326 Sixth Avenue Huntington	1/1/93	7/31/27		38° 25'	82° 27'	567													
406 Homestead Place near 4th Avenue & 24th Street	12/9/28	9/?/30	1-1/4 mi. E	38° 25'	82° 26'	548													
128 N. 28th Street 1st Ave. & 28th Street	9/?/30	5/1/50	3/4 mi. E	38° 26'	82° 24'	567													
<u>AIRPORT</u>																			
Huntington AP, Mayes Field, 2.3 mi. W of P.O. at Chesapeake, Ohio	10/11/34	9/27/48		38° 25'	82° 30'	565	26			6							a3	a - Installed 1/17/40.	
Huntington AP CAA	9/28/48	12/31/59	#	38° 25'	82° 30'	560	28		5	5							3	# - Instrument relocations and addition.	
<u>CITY</u>																			
4th Avenue & 8th Street Huntington, Cabell Co., Court House	4/4/49	1/11/60	2-1/2 mi. E of CAA AP	38° 25'	82° 30'	565				53							55	53	
Federal Building	1/11/60	1/31/62	300 ft. SE	38° 25'	82° 27'	567				86									Temperatures discontinued 12/31/61.
<u>AIRPORT</u>																			
Tri-State AP Huntington	12/1/61	09/01/96	8.4 mi. WSW of Federal Building	38° 22'	82° 33'	827	20	NA	b15	NA	13	13	NA	4 c5	NA				b - Added as standby 1/1/74. c - Minor adjustment & type change 11/12/84.
Tri-state Airport	09/01/96	Present	NA	38°23'	82°33'	835												S	ASOS Commissioned 09/01/96

SUBSCRIPTION: Price and ordering information available through: National Climatic Data Center, Federal Building, Asheville, North Carolina 28801.  
INQUIRIES/COMMENTS CALL: (828) 271-4800

National Climatic Data Center  
151 Patton Avenue, Rm 120  
Asheville NC 28801-5001

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