

2002

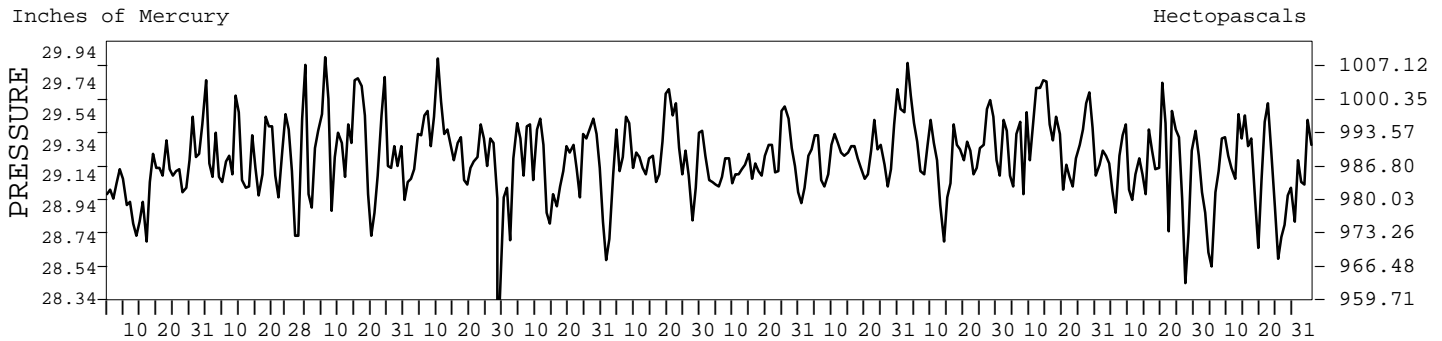
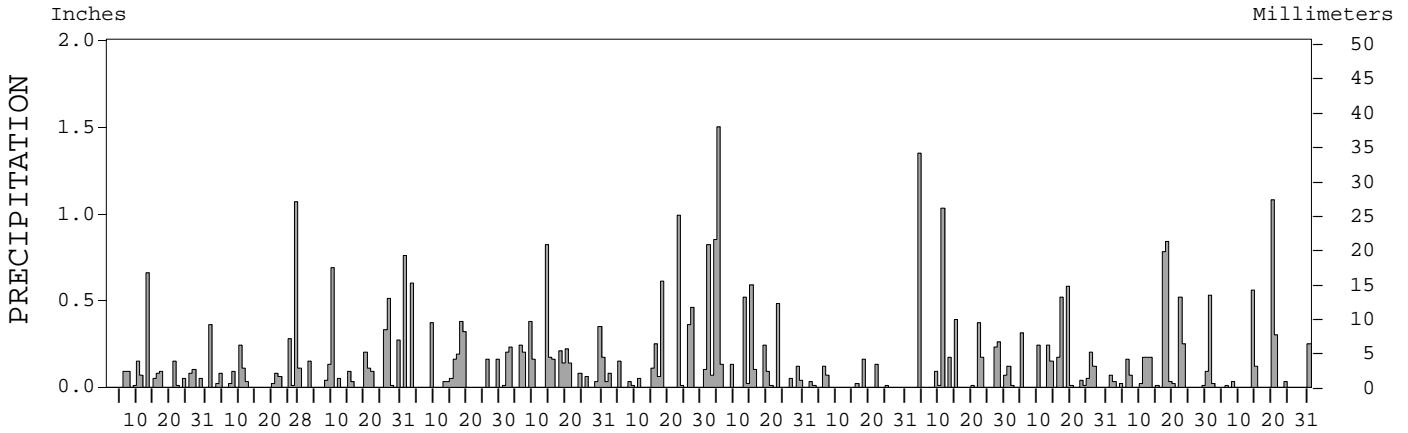
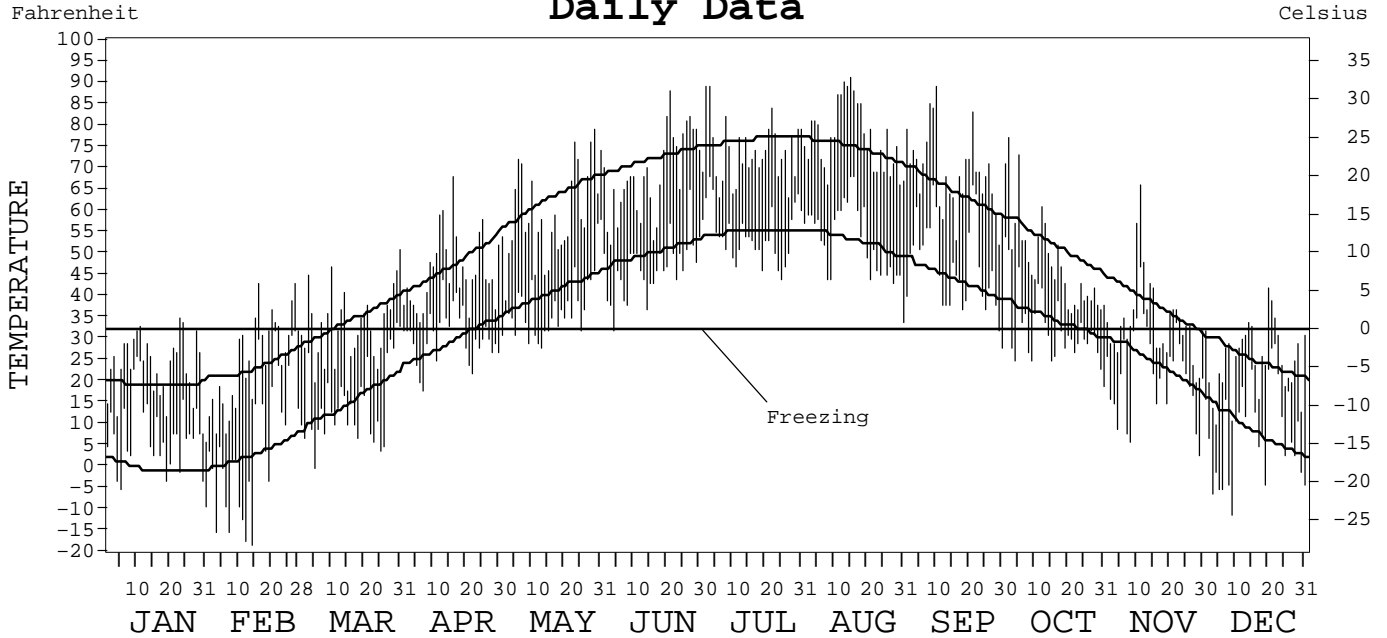
# LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-2354

CARIBOU,  
MAINE (CAR)

## Daily Data



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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 2002

## CARIBOU, ME (CAR)

LATITUDE: 46° 52' 01" N      LONGITUDE: 68° 01' 58" W      ELEVATION (FT): GRND: 627      BARO: 630      TIME ZONE: EASTERN (UTC + 5)      WBAN: 14607

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	23.3	25.3	33.3	45.8	59.5	68.5	73.7	77.1	68.9	48.1	34.4	25.4	48.6	
	HIGHEST DAILY MAXIMUM	35	43	51	68	79	88	89	91	89	77	66	42	91	
	DATE OF OCCURRENCE	23	27+	31	16	29	21	03+	15	10	02	11	20	AUG 15	
	MEAN DAILY MINIMUM	7.5	6.3	15.1	30.5	37.6	46.5	54.4	53.0	47.1	32.4	22.3	9.1	30.1	
	LOWEST DAILY MINIMUM	-9	-18	0	18	28	32	44	34	28	19	3	-11	-18	
	DATE OF OCCURRENCE	31	14	05	07	13	04	25	31	30	31	29	9	FEB 14	
	AVERAGE DRY BULB	15.4	15.8	24.2	38.2	48.6	57.5	64.1	65.1	58.0	40.3	28.4	17.3	39.4	
	MEAN WET BULB	15.5	15.0	21.9		43.5		60.2	59.8		37.7	27.1			
	MEAN DEW POINT	11.7	9.7	14.7		36.4		57.4	55.9		33.7	23.8			
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	0	0	0	0	2	0	0	0	0	2
	MAXIMUM ≤ 32°	28	21	15	0	0	0	0	0	0	0	13	26	103	
	MINIMUM ≤ 32°	31	28	29	20	9	1	0	0	2	20	25	31	196	
MINIMUM ≤ 0°	6	11	1	0	0	0	0	0	0	0	0	9	27		
H/C	HEATING DEGREE DAYS	1532	1372	1260	797	503	238	79	94	244	757	1093	1472	9441	
	COOLING DEGREE DAYS	0	0	0	0	1	19	59	105	41	0	0	0	225	
RH	MEAN (PERCENT)	81	75	68	70	67	70	80	74	81	79	83	79	76	
	HOUR 01 LST	84	80	77	77	78	84	91	89	90	88	86	83	84	
	HOUR 07 LST	85	81	78	77	74	80	89	84	91	88	88	82	83	
	HOUR 13 LST	74	66	56	59	53	55	68	54	65	64	76	72	64	
	HOUR 19 LST	81	72	65	67	63	61	74	68	80	79	80	78	72	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	2	4	7	3	2	1	6	1	1	5	3	2	37	
	THUNDERSTORMS	0	0	1	2	1	4	7	8	3	1	0	0	27	
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.)	29.13	29.23	29.36		29.21	29.26	29.21	29.33	29.30	29.37	29.16	29.15		
	MEAN SEA-LEVEL PRESS. (IN.)	29.84	29.94	30.07				29.89	30.01		30.07	29.87			
WINDS	RESULTANT SPEED (MPH)	3.4	2.8	4.2		3.8		2.3	2.4		4.0				
	RES. DIR. (TENS OF DEGS.)	31	30	26		27		28	27		29				
	MEAN SPEED (MPH)	6.3	7.5	8.5	7.9	8.7	7.1	6.2	5.5	6.2	7.2	7.1	7.8	7.2	
	PREVAIL. DIR. (TENS OF DEGS.)	31	16	25	32	30	31	30	23	17	32	30	32	32	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	30	35	32	30	30	33	30	25	26	28	32	33	35	
	DIR. (TENS OF DEGS.)	32	35	26	30	32	33	31	32	32	32	30	31	35	
	DATE OF OCCURRENCE	22	11	10	27	07	24	04	07	05	29+	24+	08	FEB 11	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	35	40	41	37	38	47	35	33	35	36	46	41	47	
DIR. (TENS OF DEGS.)	31	35	28	31	32	36	31	34	31	32	28	32	36		
DATE OF OCCURRENCE	22	11	10	27	07+	24	04	07	05	14	24	08	JUN 24		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	1.73	2.58	2.70	3.21	3.97	3.20	5.86	0.55	4.15	2.77	3.43	2.93	37.08	
	GREATEST 24-HOUR (IN.)	0.66	1.12	0.84	0.76	0.82	0.99	2.31	0.19	1.35	0.58	0.84	1.08	2.31	
	DATE OF OCCURRENCE	13	27-28	26-27	01	14	23	04-05	06-07	04	19	18	20	JUL 04-05	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	15	15	14	12	19	14	18	8	12	15	18	10	170	
PRECIPITATION ≥ 0.10	4	6	8	9	15	7	12	3	8	10	8	6	96		
PRECIPITATION ≥ 1.00	0	1	0	0	0	0	1	0	2	0	0	1	5		
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)	26.0	23.1	21.6	4.2	3.1	0.0	0.0	0.0	0.0	1.3	19.7	15.0	114.0	
	GREATEST 24-HOUR (IN.)	7.3	4.2	10.4	1.6	2.7	0.0	0.0	0.0	0.0	0.9	5.9	6.7	10.4	
	DATE OF OCCURRENCE	13	01	26-27	01	14					26	17	01	MAR 26-27	
	MAXIMUM SNOW DEPTH (IN.)	17	24	12	2	0	0	0	0	0	1	8	11	24	
	DATE OF OCCURRENCE	28+	11	02+	01						26	20+	17+	FEB 11	
	NUMBER OF DAYS WITH:														
SNOWFALL ≥ 1.0	11	9	6	3	1	0	0	0	0	0	5	3	38		

# NORMALS, MEANS, AND EXTREMES

## CARIBOU, ME (CAR)

LATITUDE: 46° 52' 01" N      LONGITUDE: 68° 01' 58" W      ELEVATION (FT): GRND: 627      BARO: 630      TIME ZONE: EASTERN (UTC + 5)      WBAN: 14607

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	19.3	23.2	34.1	47.0	62.6	71.8	76.3	74.2	64.1	51.4	37.4	24.8	48.9
	MEAN DAILY MAXIMUM	55	19.8	23.1	33.6	46.5	61.7	71.2	75.8	73.8	64.4	51.9	38.0	25.0	48.7
	HIGHEST DAILY MAXIMUM	63	53	59	73	86	96	96	95	95	91	79	68	58	96
	YEAR OF OCCURRENCE		1995	1994	1962	1990	1977	1944	1991	1975	1945	1968	1956	1950	MAY 1977
	MEAN OF EXTREME MAXS.	55	41.2	41.0	51.1	66.1	81.3	87.1	88.5	86.6	81.0	70.3	57.5	44.7	66.4
	NORMAL DAILY MINIMUM	30	-3	2.9	15.2	29.2	40.7	49.9	54.8	52.6	43.6	34.1	23.7	8.0	29.5
	MEAN DAILY MINIMUM	55	1.1	2.9	15.0	29.0	40.2	49.4	54.6	52.1	43.6	34.4	24.4	8.7	29.6
	LOWEST DAILY MINIMUM	63	-33	-41	-28	-2	18	30	36	34	23	14	-8	-31	-41
	YEAR OF OCCURRENCE		1995	1955	2001	1964	1974	1958	1969	2002	1980	1972	1995	1989	FEB 1955
	MEAN OF EXTREME MINS.	55	-22.3	-19.3	-8.1	14.1	27.9	36.3	43.6	39.6	29.8	21.2	5.8	-14.2	12.9
	NORMAL DRY BULB	30	8.9	11.9	24.6	37.9	50.9	60.5	65.5	62.8	53.7	43.2	30.7	14.8	38.8
	MEAN DRY BULB	55	10.5	13.1	24.2	37.7	50.9	60.3	65.3	62.9	54.0	43.2	31.2	16.9	39.2
	MEAN WET BULB	18	10.7	13.1	23.0	34.8	46.6	55.9	57.5	59.6	51.2	40.4	28.0	17.3	36.5
	MEAN DEW POINT	18	5.2	6.1	14.9	25.0	36.7	47.2	53.4	55.3	46.9	35.6	23.8	12.6	30.2
	NORMAL NO. DAYS WITH:														
	MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.0	0.2	0.4	1.0	0.4	0.0	0.0	0.0	0.0	2.0
MAXIMUM ≤ 32°	30	26.0	22.3	12.4	1.7	*	0.0	0.0	0.0	0.0	0.3	9.5	23.5	95.7	
MINIMUM ≤ 32°	30	30.6	27.5	28.3	20.6	5.2	*	0.0	0.0	2.7	13.6	24.8	30.4	183.7	
MINIMUM ≤ 0°	30	16.6	12.7	4.5	*	0.0	0.0	0.0	0.0	0.0	0.0	0.3	10.3	44.4	
H/C	NORMAL HEATING DEG. DAYS	30	1719	1466	1254	805	417	159	58	103	344	691	1039	1505	9560
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	7	39	80	56	9	0	0	0	191
RH	NORMAL (PERCENT)	30	70	71	70	74	68	68	77	79	82	82	84	79	75
	HOUR 01 LST	30	74	74	76	82	80	82	90	91	92	89	88	82	83
	HOUR 07 LST	30	75	74	76	75	74	78	83	86	87	86	85	80	80
	HOUR 13 LST	30	65	61	59	56	53	55	59	60	61	63	71	70	61
	HOUR 19 LST	30	71	68	65	63	60	63	69	73	75	74	79	77	70
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY≤1/4 MI)	32	2.3	2.0	2.2	2.2	1.0	1.6	2.7	2.5	2.9	2.2	3.4	2.7	27.7
	THUNDERSTORMS	32	0.0	0.0	0.2	0.5	1.8	4.3	6.7	4.1	1.3	1.0	0.0	0.0	19.9
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	51	5.4	5.4	5.4	5.8	5.8	5.8	5.5	5.3	5.3	5.6	6.3	5.7	5.6
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH:														
	CLEAR	56	7.0	6.2	7.0	5.1	4.1	3.3	3.0	4.5	5.3	4.8	2.8	5.5	58.6
	PARTLY CLOUDY	56	6.9	6.3	6.8	6.8	9.0	9.8	12.7	11.2	8.9	7.7	6.3	6.5	98.9
	CLOUDY	56	17.1	15.8	17.3	18.0	17.9	16.9	14.7	14.6	15.1	18.1	20.4	18.5	204.4
PR	MEAN STATION PRESSURE(IN)	16	29.21	29.24	29.22	29.21	29.21	29.21	29.21	29.30	29.28	29.30	29.23	29.20	29.24
	MEAN SEA-LEVEL PRES. (IN)	19	29.96	29.97	29.97	29.93	29.94	29.89	29.91	29.97	30.01	30.03	29.99	30.00	29.96
WINDS	MEAN SPEED (MPH)	22	11.1	10.9	11.7	11.1	10.3	9.4	8.7	8.1	9.1	9.9	10.1	10.4	10.1
	PREVAIL.DIR(TENS OF DEGS)	7	32	31	32	32	32	18	18	24	18	32	32	32	32
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	8	36	41	37	33	37	33	30	28	26	40	41	39	41
	DIR. (TENS OF DEGS)		31	25	33	31	33	33	31	31	32	30	32	31	32
	YEAR OF OCCURRENCE		1998	2001	1999	1996	1994	2002	2002	1999	2002	1996	2001	1994	NOV 2001
	MAXIMUM 5-SECOND:														
SPEED (MPH)	6	43	56	46	41	41	47	36	37	43	52	52	51	56	
DIR. (TENS OF DEGS)		30	26	30	12	22	36	30	32	13	30	31	22	26	
YEAR OF OCCURRENCE		2000	2001	1999	2000	2000	2002	2000	1998	1999	1996	2001	2000	FEB 2001	
PRECIPITATION	NORMAL (IN)	30	2.97	2.06	2.57	2.64	3.28	3.31	3.89	4.15	3.27	2.99	3.12	3.19	37.44
	MAXIMUM MONTHLY (IN)	63	5.60	4.13	5.13	5.26	6.27	7.11	6.83	12.09	8.81	8.73	8.15	7.97	12.09
	YEAR OF OCCURRENCE		1995	1955	1953	1973	1947	1940	1957	1981	1999	1990	1983	1973	AUG 1981
	MINIMUM MONTHLY (IN)	63	0.12	0.26	0.66	0.54	0.47	0.88	0.96	0.55	0.86	0.63	0.45	0.74	0.12
	YEAR OF OCCURRENCE		1944	1978	1965	1967	1982	1983	1991	2002	1968	1955	1939	1963	JAN 1944
	MAXIMUM IN 24 HOURS (IN)	63	1.81	1.94	1.82	2.11	2.25	2.37	2.92	6.89	6.23	4.07	2.27	2.80	6.89
	YEAR OF OCCURRENCE		1995	2000	2001	1958	1948	1957	1957	1981	1954	1970	1983	1973	AUG 1981
	NORMAL NO. DAYS WITH:														
PRECIPITATION ≥ 0.01	30	14.8	11.3	12.8	12.6	13.5	12.8	13.5	13.3	12.5	12.6	14.7	14.8	159.2	
PRECIPITATION ≥ 1.00	30	0.2	0.1	0.2	0.2	0.3	0.2	1.0	0.7	0.6	0.5	0.5	0.4	4.9	
SNOWFALL	NORMAL (IN)	30	27.0	20.7	19.7	9.9	0.6	0.*	0.0	0.0	0.1	1.1	11.7	25.2	116.0
	MAXIMUM MONTHLY (IN)	62	44.5	41.0	47.1	36.4	10.9	T	T	T	2.5	12.1	34.9	59.9	59.9
	YEAR OF OCCURRENCE		1994	1960	1955	1982	1967	1991	1992	1995	1991	1963	1974	1972	DEC 1972
	MAXIMUM IN 24 HOURS (IN)	62	19.0	21.2	28.6	21.1	5.8	T	T	T	2.5	9.4	21.0	19.7	28.6
	YEAR OF OCCURRENCE		1994	1995	1984	1982	1967	1991	1992	1995	1991	1963	1986	1989	MAR 1984
	MAXIMUM SNOW DEPTH (IN)	54	57	62	51	42	4	0	0	0	1	9	28	39	62
	YEAR OF OCCURRENCE		1977	1977	1977	1982	1966				1991	1963	1974	1978	FEB 1977
NORMAL NO. DAYS WITH:															
SNOWFALL ≥ 1.0	30	6.0	5.1	5.1	2.8	0.1	0.0	0.0	0.0	0.0	0.3	2.8	6.7	28.9	

PRECIPITATION (inches) 2002 CARIBOU, ME (CAR)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1973	2.60	2.89	2.48	5.26	5.03	2.13	4.62	2.95	2.62	1.47	2.63	7.97	42.65
1974	1.89	1.37	3.56	3.81	3.61	2.82	3.39	3.98	3.40	1.15	4.16	2.05	35.19
1975	2.71	1.66	1.94	1.95	3.04	2.40	4.28	1.39	2.98	1.51	3.40	4.05	31.31
1976	3.51	3.43	2.57	3.31	5.11	2.85	6.74	6.17	2.52	5.46	2.33	4.63	48.63
1977	3.42	2.99	2.36	1.83	0.74	6.44	1.75	7.86	3.54	5.30	1.63	3.59	41.45
1978	5.10	0.26	2.69	2.33	1.98	3.70	5.56	1.95	2.74	1.94	1.84	3.04	33.13
1979	4.49	2.22	3.70	3.08	4.27	3.39	3.36	4.98	4.68	1.68	2.90	3.05	41.80
1980	1.55	0.82	3.15	2.57	2.05	2.19	5.42	2.28	4.06	2.51	3.21	2.74	32.55
1981	1.68	2.39	3.43	2.17	3.18	4.15	2.62	12.09	2.38	6.28	2.51	3.81	46.69
1982	2.46	2.17	2.72	4.01	0.47	3.08	4.25	4.78	3.70	1.61	5.50	2.51	37.26
1983	2.95	1.77	3.84	4.20	5.28	0.88	5.92	3.86	2.70	1.81	8.15	5.01	46.37
1984	2.10	3.06	2.55	1.74	5.72	5.90	4.52	1.65	1.54	1.81	2.01	3.00	35.60
1985	0.99	2.77	1.87	1.80	2.64	2.89	5.05	1.74	2.30	1.42	3.50	2.24	29.21
1986	4.86	1.13	2.32	2.29	2.13	1.96	4.21	4.97	3.58	1.47	3.96	1.66	34.54
1987	2.29	0.33	1.24	1.75	2.46	3.59	3.16	1.82	4.37	2.18	2.33	2.56	28.08
1988	2.79	2.65	1.23	1.99	1.84	2.37	2.28	5.65	1.82	3.09	4.10	1.00	30.81
1989	1.88	1.43	1.40	2.24	4.13	2.29	2.63	5.41	3.52	1.62	3.88	2.35	32.78
1990	3.36	1.84	1.16	2.28	3.53	4.56	4.15	3.23	3.78	8.73	4.22	5.60	46.44
1991	2.06	1.13	4.71	2.62	3.51	1.98	0.96	6.72	3.45	4.46	1.61	2.10	35.31
1992	3.76	2.68	1.87	2.57	1.83	4.58	4.49	6.28	1.51	3.52	1.60	1.58	36.27
1993	2.18	2.10	1.72	3.48	3.58	4.54	2.48	3.57	5.11	4.31	2.94	3.99	40.00
1994	3.68	1.39	2.44	3.24	4.75	4.64	4.64	2.82	3.16	0.88	3.75	3.01	38.40
1995	5.60	2.70	2.23	2.12	2.46	1.18	1.48	2.94	1.90	5.13	4.88	1.79	34.41
1996	4.05	2.69	1.74	3.59	3.52	3.42	6.32	2.66	3.81	3.41	1.49	3.72	40.42
1997	3.60	2.52	2.47	1.68	5.10	4.37	2.64	4.12	2.67	1.31	2.08	2.81	35.37
1998	4.08	2.62	3.51	2.23	3.61	3.22	5.35	2.29	3.22	2.22	2.10	1.57	36.02
1999	3.59	1.38	2.30	1.43	2.40	3.20	2.94	3.69	8.81	3.48	2.70	2.76	38.68
2000	2.94	2.96	1.86	4.58	4.52	2.88	4.39	4.23	1.59	2.59	2.09	3.73	38.36
2001	0.81	2.66	3.15	0.96	2.01	2.77	5.82	1.51	3.65	2.69	2.08	0.99	29.10
2002	1.73	2.58	2.70	3.21	3.97	3.20	5.86	0.55	4.15	2.77	3.43	2.93	37.08
POR= 62 YRS	2.48	2.10	2.43	2.55	3.10	3.40	4.01	3.78	3.39	3.15	3.20	2.88	36.47

WBAN : 14607

AVERAGE TEMPERATURE (°F) 2002 CARIBOU, ME (CAR)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1973	9.7	12.6	29.6	37.9	48.9	63.0	68.6	66.4	52.9	43.9	27.5	23.9	40.4
1974	6.7	10.8	21.0	36.8	45.2	62.7	64.7	64.3	52.7	39.3	31.4	18.5	37.8
1975	9.6	11.5	23.1	35.1	53.7	61.4	68.6	64.4	54.5	42.3	32.8	10.9	39.0
1976	5.3	13.5	22.7	38.4	51.2	64.0	63.7	62.6	51.5	39.2	25.6	7.9	37.1
1977	6.0	12.9	32.3	36.4	53.3	58.8	65.2	64.2	51.2	43.5	33.3	16.9	39.5
1978	9.9	12.5	20.8	34.9	55.3	60.8	66.2	64.9	50.4	41.6	27.7	16.3	38.4
1979	15.4	10.4	31.8	41.2	54.6	63.0	68.6	61.9	54.4	45.2	35.8	19.2	41.8
1980	13.3	11.9	24.0	42.6	51.2	59.4	64.8	66.0	50.8	40.9	30.1	9.0	38.7
1981	5.6	27.6	28.0	39.5	54.2	61.2	66.3	64.5	53.1	40.4	31.9	23.1	41.3
1982	4.0	11.3	24.5	35.1	53.6	60.3	66.4	58.7	54.9	44.4	32.7	22.1	39.0
1983	14.9	15.3	27.0	41.1	48.9	61.9	64.5	64.3	57.2	43.6	32.2	14.5	40.5
1984	6.7	22.4	19.3	39.8	49.2	59.2	65.8	65.5	51.7	44.5	33.4	18.4	39.7
1985	6.0	16.2	23.5	35.3	49.5	58.2	66.0	62.2	56.1	43.8	28.3	12.1	38.1
1986	11.8	12.2	24.4	42.8	52.2	56.9	62.6	60.7	50.5	41.2	25.9	16.2	38.1
1987	9.9	12.5	28.0	43.9	50.6	60.3	65.8	61.1	54.5	44.2	29.0	18.7	39.9
1988	12.1	13.6	23.1	39.4	54.6	58.5	67.4	64.4	52.4	40.5	33.5	13.8	39.4
1989	12.3	10.4	19.5	36.7	56.7	60.1	64.7	63.5	55.4	45.0	27.6	3.5	38.0
1990	17.3	11.7	24.7	39.6	49.0	62.9	66.2	66.6	53.5	44.7	31.0	20.5	40.6
1991	7.1	15.1	27.0	39.6	52.5	61.4	65.8	65.3	52.1	44.8	32.8	13.5	39.8
1992	10.4	10.9	20.2	36.4	53.2	60.2	60.3	63.7	56.2	41.1	29.3	19.6	38.5
1993	8.6	4.2	23.3	39.9	51.2	59.9	64.8	65.8	54.1	39.2	29.7	19.4	38.3
1994	-7	7.7	25.3	37.0	48.7	63.6	68.1	61.6	53.5	46.1	33.9	20.1	38.7
1995	15.5	9.1	25.5	34.3	50.8	63.0	69.1	65.1	51.8	47.8	28.2	14.7	39.6
1996	11.2	13.5	23.7	38.8	48.7	62.1	64.6	63.7	55.0	42.2	29.1	26.2	39.9
1997	10.6	12.6	18.8	35.5	47.3	60.3	65.3	61.5	54.2	41.4	29.2	15.9	37.7
1998	13.8	19.7	27.4	40.1	56.2	61.2	66.3	64.1	55.5	43.4	30.0	21.4	41.6
1999	10.5	17.5	30.2	39.2	57.2	63.9	67.2	62.9	61.7	40.6	34.7	22.2	42.3
2000	11.1	14.5	29.9	37.2	49.4	58.7	63.4	62.4	53.6	42.7	35.0	15.5	39.5
2001	10.8	12.2	23.6	37.0	56.4	61.9	64.4	65.8	57.1	46.7	35.6	26.5	41.5
2002	15.4	15.8	24.2	38.2	48.6	57.5	64.1	65.1	58.0	40.3	28.4	17.3	39.4
POR= 63 YRS	10.2	13.0	24.0	37.4	50.8	60.1	65.2	63.0	54.0	43.3	31.1	16.4	39.0

HEATING DEGREE DAYS (base 65°F) 2002 CARIBOU, ME (CAR)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1973-74	9	44	373	649	1117	1270	1810	1512	1359	837	609	81	9670
1974-75	40	66	369	789	998	1433	1717	1498	1295	890	343	158	9596
1975-76	19	93	310	700	960	1674	1849	1489	1302	793	426	123	9738
1976-77	84	132	405	793	1175	1765	1828	1453	1002	850	406	203	10096
1977-78	56	93	408	657	944	1489	1702	1467	1364	894	333	156	9563
1978-79	53	86	434	717	1114	1503	1534	1527	1018	708	326	104	9124
1979-80	34	146	327	612	870	1413	1593	1534	1265	664	420	200	9078
1980-81	71	41	425	740	1042	1733	1839	1040	1141	757	333	125	9287
1981-82	37	77	355	757	984	1292	1891	1499	1251	890	355	145	9533
1982-83	60	199	310	632	961	1325	1544	1387	1171	712	493	148	8942
1983-84	75	78	257	656	978	1562	1804	1229	1412	748	493	199	9491
1984-85	38	57	396	630	940	1441	1822	1363	1281	884	472	198	9522
1985-86	43	118	272	650	1094	1636	1646	1473	1255	660	394	246	9487
1986-87	105	147	427	733	1167	1505	1704	1465	1140	629	442	142	9606
1987-88	79	152	314	641	1071	1430	1636	1485	1289	760	321	232	9410
1988-89	47	114	373	752	939	1583	1627	1524	1402	841	257	181	9640
1989-90	66	101	303	613	1116	1905	1471	1490	1241	759	490	107	9662
1990-91	57	47	337	623	1014	1370	1791	1392	1172	755	383	158	9099
1991-92	55	66	383	619	959	1595	1691	1564	1382	852	381	163	9710
1992-93	145	73	273	732	1064	1402	1747	1699	1284	748	423	175	9765
1993-94	73	53	327	791	1051	1407	2040	1601	1222	832	500	107	10004
1994-95	24	124	337	578	926	1388	1529	1565	1218	912	433	131	9165
1995-96	12	74	388	522	1098	1551	1666	1490	1271	782	496	116	9466
1996-97	48	83	304	702	1070	1196	1678	1462	1427	879	544	161	9554
1997-98	62	123	318	723	1068	1516	1579	1263	1159	740	269	151	8971
1998-99	42	69	275	660	1045	1346	1681	1323	1073	767	248	103	8632
1999-00	40	105	163	750	903	1320	1662	1456	1079	828	478	216	9000
2000-01	75	93	337	681	893	1525	1672	1474	1277	833	265	147	9272
2001-02	65	64	260	563	874	1186	1532	1372	1260	797	503	238	8714
2002-	79	94	244	757	1093	1472							

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COOLING DEGREE DAYS (base 65°F) 2002 CARIBOU, ME (CAR)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1973	0	0	0	0	0	67	126	97	17	0	0	0	307
1974	0	0	0	0	2	21	38	50	5	0	0	0	116
1975	0	0	0	0	0	54	137	80	0	0	0	0	271
1976	0	0	0	0	6	104	52	65	4	0	0	0	231
1977	0	0	0	0	52	24	69	77	1	0	0	0	223
1978	0	0	0	0	38	35	97	93	1	0	0	0	264
1979	0	0	0	0	8	50	153	57	16	6	0	0	290
1980	0	0	0	0	0	37	71	78	8	0	0	0	194
1981	0	0	0	0	3	17	83	68	4	0	0	0	175
1982	0	0	0	0	11	10	110	9	12	0	0	0	152
1983	0	0	0	0	0	62	65	66	32	1	0	0	226
1984	0	0	0	0	9	33	72	79	0	0	0	0	193
1985	0	0	0	0	0	0	82	40	10	0	0	0	132
1986	0	0	0	0	5	10	39	20	1	0	0	0	75
1987	0	0	0	0	2	10	111	38	8	0	0	0	169
1988	0	0	0	0	6	45	131	103	1	0	0	0	286
1989	0	0	0	0	9	37	64	63	19	0	0	0	192
1990	0	0	0	2	0	51	102	106	0	0	0	0	261
1991	0	0	0	0	2	55	89	85	4	0	0	0	235
1992	0	0	0	0	23	26	5	40	12	0	0	0	106
1993	0	0	0	0	0	31	72	83	6	0	0	0	192
1994	0	0	0	0	4	71	128	26	0	0	0	0	229
1995	0	0	0	0	0	76	147	82	0	0	0	0	305
1996	0	0	0	0	0	36	40	51	11	0	0	0	138
1997	0	0	0	0	0	30	77	21	1	0	0	0	129
1998	0	0	0	0	3	43	91	44	0	0	0	0	181
1999	0	0	0	0	12	76	115	48	70	0	0	0	321
2000	0	0	0	0	0	33	33	20	1	0	0	0	87
2001	0	0	0	0	5	59	56	94	31	0	0	0	245
2002	0	0	0	0	1	19	59	105	41	0	0	0	225

SNOWFALL (inches) 2002 CARIBOU, ME (CAR)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1973-74	0.0	0.0	T	T	14.5	23.4	20.7	11.9	21.6	13.1	4.2	0.0	109.4
1974-75	0.0	0.0	T	0.4	34.9	12.6	31.2	9.8	18.2	15.1	0.0	0.0	122.2
1975-76	0.0	0.0	0.0	T	10.4	36.4	30.1	30.2	23.3	1.5	0.5	0.0	132.4
1976-77	0.0	0.0	0.0	3.7	10.2	31.9	39.1	34.4	16.0	10.6	T	0.0	145.9
1977-78	0.0	0.0	0.0	0.0	5.5	37.7	41.4	4.4	13.7	15.3	0.8	0.0	118.8
1978-79	0.0	0.0	0.0	T	9.2	40.3	32.1	18.1	8.6	14.9	T	0.0	123.2
1979-80	0.0	0.0	0.0	0.7	3.0	18.0	7.9	12.6	27.6	0.8	0.0	T	70.6
1980-81	0.0	0.0	T	0.2	12.0	28.9	35.2	8.6	36.4	1.4	0.2	0.0	122.9
1981-82	0.0	0.0	T	2.6	4.8	34.3	30.9	25.1	23.7	36.4	1.0	0.0	158.8
1982-83	0.0	0.0	0.0	T	14.6	4.0	22.8	22.8	13.9	4.8	T	0.0	82.9
1983-84	0.0	0.0	0.0	T	21.0	26.6	27.3	20.1	35.4	3.9	0.2	0.0	134.5
1984-85	0.0	0.0	0.0	0.8	3.8	30.7	10.5	26.8	11.9	5.0	1.3	0.0	90.8
1985-86	0.0	0.0	0.0	T	14.8	18.3	30.0	11.9	18.6	11.3	T	0.0	104.9
1986-87	0.0	0.0	T	0.4	28.1	8.5	26.4	4.1	12.3	5.2	T	0.0	85.0
1987-88	0.0	0.0	T	T	5.2	22.6	32.1	28.2	3.9	6.4	T	0.0	98.4
1988-89	0.0	0.0	0.0	1.2	13.8	11.5	18.4	16.6	11.9	9.4	0.0	0.0	82.8
1989-90	0.0	0.0	T	0.1	14.3	38.0	28.5	18.3	7.6	10.7	0.6	T	118.1
1990-91	0.0	0.0	0.0	T	12.0	22.6	21.5	12.2	24.0	2.5	0.0	T	94.8
1991-92	0.0	0.0	2.5	T	7.1	19.4	14.8	38.6	4.2	7.4	T	0.0	94.0
1992-93	T	0.0	T	0.4	5.3	15.9	5.6	22.8	23.4	7.1	T	0.0	80.5
1993-94	0.0	0.0	0.0	0.2	10.5	13.9	44.5	20.3	28.8	9.5	T	0.0	127.7
1994-95	0.0	0.0	T	T	9.8	25.9	44.5	40.9	15.7	7.9	1.1	0.0	110.4
1995-96	0.0	T	0.0	T	8.9	25.1	18.4	22.7	16.5	13.1	5.7	0.0	130.9
1996-97	0.0	0.0	0.0	0.8	8.5	14.4	35.5	30.2	28.9	11.7	0.9	0.0	124.0
1997-98	0.0	0.0	0.0	8.9	9.6	37.3	39.9	8.8	11.0	8.5	T	0.0	128.8
1998-99	0.0	0.0	0.0	T	12.6	21.9	36.7	18.5	30.3	8.8	T	0.0	112.4
1999-00	0.0	0.0	0.0	0.2	4.1	6.7	43.7	32.5	15.4	9.8	T	T	132.1
2000-01	T	0.0	0.0	10.3	5.2	32.7	14.2	30.5	30.6	8.6	0.0	0.0	91.2
2001-02	0.0	0.0	0.0	0.0	9.0	4.2	26.0	23.1	21.6	4.2	3.1	0.0	
2002-	0.0	0.0	0.0	1.3	19.7	15.0							
POR= 62 YRS	T	T	0.0	1.8	11.9	22.8	24.0	21.7	19.3	8.4	0.9	T	110.8

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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 EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p>
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## 2002 CARIBOU, MAINE (CAR)

The Caribou Municipal Airport is located in Aroostook County, the largest and northernmost county in the state. The airport lies on top of high land which is about on the same level as most of the surrounding gently rolling hills. The Aroostook River, which runs about 1 mile to the east and southeast of the station, has little effect on the local weather. Even though Caribou is located only 150 miles from the Atlantic coast, its climate can be justly classed as a severe typical continental type. Winters are particularly long and windy, and seasonal snowfalls averaging over 100 inches are not unusual. While the extreme low temperatures may be less severe than one might expect, temperatures of zero or lower normally occur over 40 times per year. A study of heating degree day data will show the outstanding part that cold weather plays here.

Summers are cool and generally favored with abundant rainfall, which is one of the most important factors in the high yield of the potato and grain crops throughout the county. Our location high up in the St. Lawrence Valley allows Aroostook County to come under the influence of the Summer Polar Front, resulting in practically no dry periods of more than 3 or 4 days in the growing season. The growing season at Caribou averages more than 120 days, with the average last freeze in the spring in mid-May and the average first freeze in autumn in late September.

Autumn climate is nearly ideal, with mostly sunny warm days and crisp cool nights predominating. Aroostook County, even with its relatively short growing season, provides profitable farming. The principal crops are potatoes, peas, a variety of grains, and some hardy vegetables.

Probably unknown to many victims of hay fever and similar afflictions, the immediate Caribou area offers sparkling visibility and relatively pollen-free air in the late summer months. This latter condition is principally due to the extremely high degree of cultivation of all available land.

# STATION LOCATION

CARIBOU, MAINE

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE										AUTOMATIC OBSERVING EQUIPMENT *	* TYPE  M = AMOS T = AUTOB S = ASOS W = AWOS  REMARKS
						GROUND											
						SEA LEVEL	GROUND	WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TRAINING GAUGE	WEIGHING RAIN GAGE	8 INCH RAIN GAGE	HYGROMETER		
*NOTE:  <u>AIRPORT</u>  Weather Bureau Building+ Municipal Airport  + Weather Service Bldg. (Effective 1970)  Municipal Airport	1/9/67	08/01/96	250 ft. ESE	46°52'	68°01'	624	g31	g6	g5		6	7	5	h4 i6		g. Not moved 1/9/67. h. Commissioned 7' N of thermometer site 1/19/67. i. Moved 150' ESE and type change 7/25/85.  S ASOS Commissioned 08/01/96 j. Ground Elevation	
Municipal Airport	08/01/96	Present	NA	46°52'	68°02'	j627									S		

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\* NOTES: For earlier station history see previous editions.