

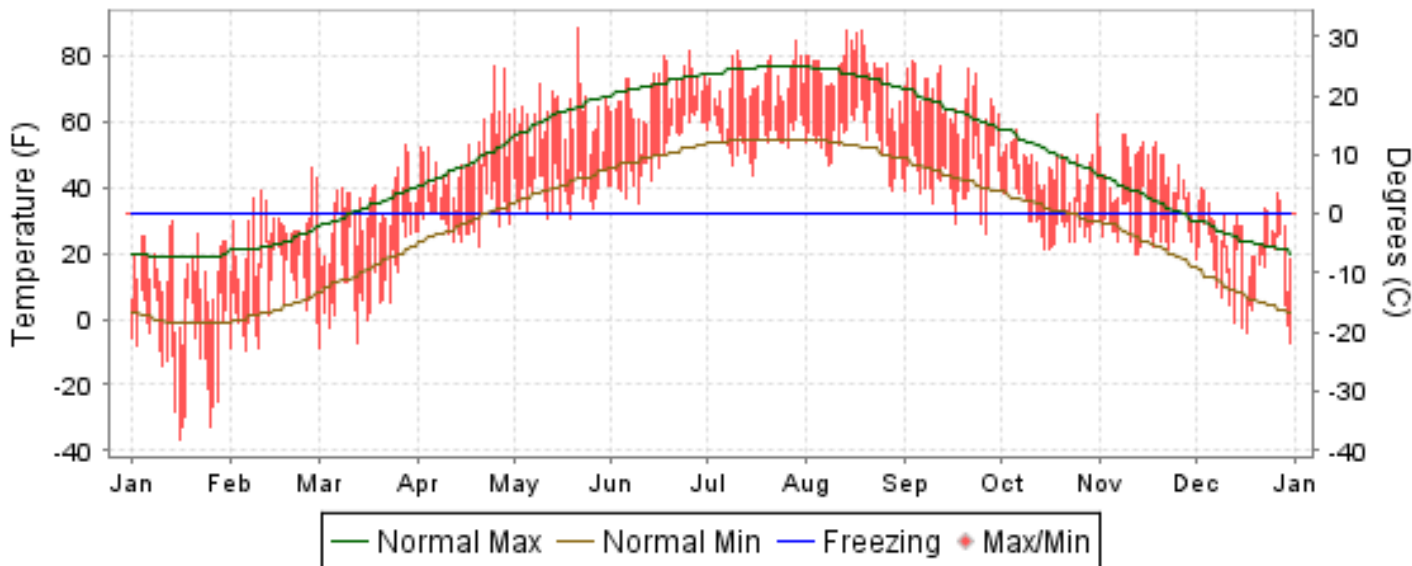


# 2009 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

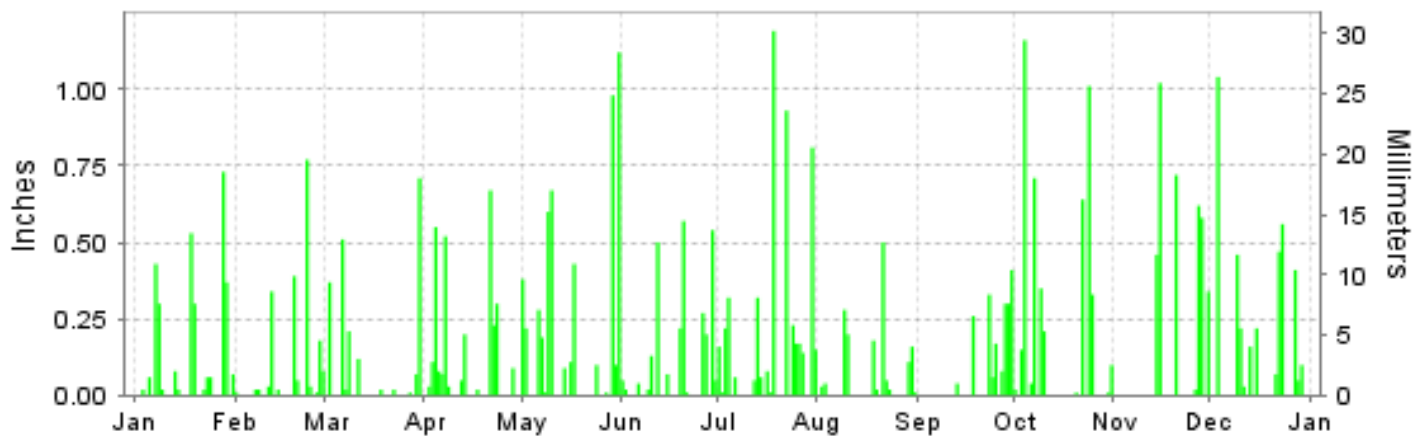
ISSN 0198-2354

## CARIBOU, MAINE (KCAR)

### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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NATIONAL  
CLIMATIC DATA CENTER  
ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2009

## CARIBOU (KCAR)

LATITUDE: 46° 52'N      LONGITUDE: -68° 1'W      ELEVATION (FT): GRND: 621    BARO: 626      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	13.9	26.7	33.9	50.0	61.5	69.2	72.1	75.8	66.7	46.7	45.3	26.6	49.0	
	HIGHEST DAILY MAXIMUM	30	46	53	77	89	82	85	88	79	62	56	40	89	
	DATE OF OCCURRENCE	14	27	28	25	21	25	29	18+	03	31	09+	03	MAY 21	
	MEAN DAILY MINIMUM	-8.9	7.6	12.1	30.9	39.0	50.7	55.2	54.6	42.2	31.5	28.4	14.0	29.8	
	LOWEST DAILY MINIMUM	-37	-10	-9	22	31	35	44	39	26	21	20	-7	-37	
	DATE OF OCCURRENCE	16	06	01	20	19+	09	15	28	26	16+	13+	31	JAN 16	
	AVERAGE DRY BULB	2.5	17.2	23.0	40.5	50.3	60.0	63.7	65.2	54.5	39.1	36.9	20.3	39.4	
	MEAN WET BULB	3.5	16.0	21.0	35.8	44.9	55.3	59.7	60.1	49.9	36.8	33.7	18.9	36.3	
	MEAN DEW POINT	-1.4	11.4	13.2	28.5	37.3	50.8	56.8	56.5	45.6	33.0	28.6	15.1	31.3	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MAXIMUM <= 32°	6	23	13	0	0	0	0	0	0	0	1	23	66	
	MINIMUM <= 32°	31	28	31	21	3	0	0	0	3	20	22	31	190	
	MINIMUM <= 0°	22	8	4	0	0	0	0	0	0	0	0	5	39	
H/C	HEATING DEGREE DAYS	1931	1332	1292	728	449	170	70	80	311	795	838	1376	9372	
	COOLING DEGREE DAYS	0	0	0	0	1	25	36	97	2	0	0	0	161	
RH	MEAN (PERCENT)	76	77	65	68	64	74	81	75	75	80	74	81	74	
	HOUR 01 LST	81	84	71	78	79	90	94	92	92	88	81	85	85	
	HOUR 07 LST	82	84	73	69	67	76	85	79	81	84	81	85	79	
	HOUR 13 LST	65	66	56	55	46	59	66	53	52	65	59	71	59	
	HOUR 19 LST	76	77	61	67	64	72	81	78	76	81	75	82	74	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	7	2	4	1	2	3	2	4	1	2	4	4	36	
	THUNDERSTORMS	0	0	0	0	3	4	3	2	0	0	0	0	12	
CLOUDNESS	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.)	29.22	29.16	29.40	29.21	29.28	29.21	29.23	29.26	29.35	29.31	29.35	29.19	29.26	
	MEAN SEA-LEVEL PRESS. (IN.)	29.95	29.87	30.10	29.91	29.97	29.88	29.91	29.94	29.86	30.00	30.05	29.91	29.95	
WINDS	RESULTANT SPEED (MPH)	4.1	4.7	3.6	3.1	2.3	0.4	1.4	2.5	2.1	2.2	3.0	4.5	2.5	
	RES. DIR. (TENS OF DEGS.)	29	31	32	30	26	09	20	25	28	31	30	30	30	
	MEAN SPEED (MPH)	7.0	9.5	8.2	9.1	7.5	6.5	5.1	5.4	5.7	6.2	6.2	8.2	7.1	
	PREVAIL.DIR.(TENS OF DEGS.)	26	32	33	33	32	16	23	25	22	33	23	31	32	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	35	38	30	32	35	25	22	24	26	32	24	33	38	
	DIR. (TENS OF DEGS.)	32	32	26	33	33	29	25	30	01	25	29	33	32	
	DATE OF OCCURRENCE	01	14	12	26	24	01	19	26	25	31	29	29	FEB 14	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	45	49	44	40	47	39	29	35	36	46	40	44	49	
DIR. (TENS OF DEGS.)	32	33	27	33	19	29	23	30	33	26	28	31	33		
DATE OF OCCURRENCE	01	14	12	26	14	01	19	26	19	31	28	29	FEB 14		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	3.07	1.95	2.06	2.95	5.29	2.69	5.08	1.60	1.95	4.74	3.76	3.79	38.93	
	GREATEST 24-HOUR (IN.)	1.10	0.77	0.76	0.73	1.27	0.72	1.19	0.50	0.41	1.32	1.48	1.04	1.48	
	DATE OF OCCURRENCE	28-29	23	29-30	21-22	09-10	19-20	18	21	30	24-25	14-15	03	NOV 14-15	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	15	13	10	14	15	14	18	12	9	13	7	12	152	
PRECIPITATION 0.10	5	4	5	7	12	7	12	6	6	9	6	9	88		
PRECIPITATION 1.00	0	0	0	0	1	0	1	0	0	2	1	1	6		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	29.5	18.4	16.6	3.3	0.0	0.0	0.0	0.0	0.0	6.4	3.3	27.0	104.5	
	GREATEST 24-HOUR (IN.)	7.0	10.0	5.4	2.4	0.0	0.0	0.0	0.0	0.0	6.1	3.1	7.0	10.0	
	DATE OF OCCURRENCE	28	23	02	13						22	30	09	FEB 23	
	MAXIMUM SNOW DEPTH (IN.)	27	27	23	13	0	0	0	0	0	5	1	13	27	
	DATE OF OCCURRENCE	31+	21+	08	02+						24+	30	24	FEB 21+	
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0	8	3	5	1	0	0	0	0	0	1	1	6	25		

# NORMALS, MEANS, AND EXTREMES CARIBOU (KCAR)

**LATITUDE:**  
46 ° 52'N

**LONGITUDE:**  
-68 ° 1 'W

**ELEVATION (FT):**  
GRND: 621 BARO: 626

**TIME ZONE:**  
EASTERN (UTC -5)

**WBAN: 14607**

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
<b>TEMPERATURE °F</b>	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	71	19.2	22.8	33.3	46.1	61.5	70.6	75.9	73.8	64.4	52.0	37.8	24.6	48.5
	HIGHEST DAILY MAXIMUM	70	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	2005	1956	1950	MAY 1977
	MEAN OF EXTREME MAXS.	71	41.3	40.9	51.1	66.8	81.4	86.9	88.2	86.4	80.9	70.6	57.7	44.8	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	71	1.1	3.4	14.7	28.5	39.9	49.1	54.7	52.2	43.5	34.5	24.2	8.7	29.5
	LOWEST DAILY MINIMUM	70	-37	-41	-28	-2	18	30	36	34	23	14	-8	-31	-41
	YEAR OF OCCURRENCE		2009	1955	2001	1964	1974	1958	1969	2003	1980	1972	1995	1989	FEB 1955
	MEAN OF EXTREME MINS.	71	-21.1	-18.0	-7.9	14.4	28.0	36.4	43.7	39.4	29.9	21.3	6.5	-12.6	13.3
	NORMAL DRY BULB	30	9.5	13.0	24.6	38.1	51.6	60.8	65.6	63.4	53.8	42.8	30.6	16.4	39.2
	MEAN DRY BULB	71	10.2	13.1	24.1	37.3	50.7	60.0	65.3	63.0	54.0	43.2	31.0	16.7	39.1
	MEAN WET BULB	26	9.4	12.3	21.6	33.3	45.0	55.0	60.1	58.8	50.9	39.9	29.3	16.6	36.0
	MEAN DEW POINT	26	5.7	7.7	16.4	27.8	39.4	50.8	57.1	55.9	48.0	36.6	26.1	13.4	32.1
	NORMAL NO. DAYS WITH:														
	MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	0.2	0.4	0.8	0.4	*	0.0	0.0	0.0	1.8
MAXIMUM <= 32	30	25.7	21.9	12.5	1.7	0.0	0.0	0.0	0.0	0.0	0.3	9.8	22.5	94.4	
MINIMUM <= 32	30	30.5	27.6	28.6	20.6	4.1	*	0.0	0.0	2.3	14.3	25.0	30.4	183.4	
MINIMUM <= 0	30	16.9	12.8	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	9.9	44.3	
<b>H/C</b>	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
<b>RH</b>	NORMAL (PERCENT)	30													
	HOUR 01 LST	30													
	HOUR 07 LST	30	76	76	76	75	74	79	83	86	87	85	84	81	80
	HOUR 13 LST	30	66	61	59	55	52	56	58	59	61	62	69	70	61
	HOUR 19 LST	30	72	68	64	63	59	63	69	72	74	73	76	77	69
<b>S</b>	PERCENT POSSIBLE SUNSHINE														
<b>W/O</b>	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI) THUNDERSTORMS	28 44	2.8 0.0	2.4 0.0	3.0 0.1	2.0 0.3	1.2 1.7	1.4 4.6	2.4 6.8	2.4 4.2	2.2 1.1	2.0 0.7	2.3 0.0	2.6 0.0	26.7 19.5
<b>CLOUDNESS</b>	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	55	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	55	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	55	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	
<b>PR</b>	MEAN STATION PRESSURE(IN)	26	29.23	29.24	29.26	29.25	29.25	29.22	29.20	29.28	29.32	29.31	29.29	29.25	29.26
	MEAN SEA-LEVEL PRES. (IN)	26	29.95	29.96	29.97	29.95	29.94	29.90	29.87	29.96	30.00	30.01	29.99	29.96	29.96
<b>WINDS</b>	MEAN SPEED (MPH)	26	8.6	8.7	9.3	9.0	8.6	7.8	6.9	6.7	7.4	8.2	8.5	8.5	8.2
	PREVAIL.DIR(TENS OF DEGS)	14	33	32	33	33	33	19	19	25	19	33	32	32	33
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	15	43	41	38	39	37	36	30	39	32	40	41	39	43
	DIR. (TENS OF DEGS)		25	25	34	33	34	35	31	22	30	30	32	31	25
	YEAR OF OCCURRENCE		2008	2001	2007	2006	2005	2008	2002	2007	2006	1996	2001	1994	JAN 2008
	MAXIMUM 3-SECOND														
SPEED (MPH)	13	54	56	48	49	47	55	46	55	44	52	52	55	56	
DIR. (TENS OF DEGS)		25	26	35	33	19	23	22	20	31	30	31	30	26	
YEAR OF OCCURRENCE		2008	2001	2007	2006	2009	2003	2004	2007	2006	1996	2001	2008	FEB 2001	
<b>PRECIPITATION</b>	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)	70	5.60	4.81	5.27	6.19	6.27	7.11	6.83	12.09	8.81	8.73	8.15	7.97	12.09
	YEAR OF OCCURRENCE		1995	2008	2008	2005	1947	1940	1957	1981	1999	1990	1983	1973	AUG 1981
	MINIMUM MONTHLY (IN)	70	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)	70	1.81	2.40	2.29	2.11	2.25	2.37	2.92	6.89	6.23	4.07	2.42	2.80	6.89
	YEAR OF OCCURRENCE		1995	2003	2007	1958	1948	1957	1957	1981	1954	1970	2007	1973	AUG 1981
	NORMAL NO. DAYS WITH:														
	PRECIPITATION >= 0.01	30	15.4	11.5	13.3	13.3	13.8	13.4	13.6	13.3	12.4	13.0	14.2	14.9	162.1
PRECIPITATION >= 1.00	30	0.4	0.1	0.2	0.1	0.4	0.4	0.4	0.8	0.5	0.4	0.4	0.3	4.8	
<b>SNOWFALL</b>	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)	69	44.5	47.7	47.1	36.4	10.9	T	T	T	2.5	12.1	34.9	59.9	59.9
	YEAR OF OCCURRENCE		1994	2008	1955	1982	1967	1991	1992	1995	1991	1963	1974	1972	DEC 1972
	MAXIMUM IN 24 HOURS (IN)	69	19.0	21.2	28.6	21.1	5.8	T	T	T	2.5	9.4	21.0	27.1	28.6
	YEAR OF OCCURRENCE'		1994	1995	1984	1982	1967	1991	1992	1995	1991	1963	1986	2003	MAR 1984
	MAXIMUM SNOW DEPTH (IN)	61	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) 2009 CARIBOU (KCAR)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
2003	0.69	3.78	2.51	1.43	3.18	3.99	6.10	3.53	1.95	6.58	3.83	5.07	42.64
2004	1.44	0.66	1.85	2.89	2.55	3.89	4.28	5.02	2.04	2.16	3.39	4.01	34.18
2005	1.99	2.43	4.90	6.19	3.20	2.31	4.10	4.11	5.04	7.38	6.06	6.60	54.31
2006	3.56	2.30	0.80	1.84	5.00	4.18	4.32	2.90	2.88	5.60	4.87	2.29	40.54
2007	2.31	1.94	4.19	3.33	2.90	2.44	3.51	3.48	2.07	3.66	7.39	4.80	42.02
2008	3.10	4.81	5.27	2.57	2.66	5.87	4.46	4.05	4.96	4.76	4.55	5.61	52.67
2009	3.07	1.95	2.06	2.95	5.29	2.69	5.08	1.60	1.95	4.74	3.76	3.79	38.93
POR= 71 YRS	2.41	2.14	2.48	2.60	3.13	3.41	4.05	3.79	3.37	3.32	3.43	3.05	37.18

WBAN : 14607

**AVERAGE TEMPERATURE (°F) 2009 CARIBOU (KCAR)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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	-0.7	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
2003	5.4	7.4	21.1	32.3	49.8	61.8	65.1	64.3	58.4	43.2	32.8	21.7	38.6
2004	3.2	14.9	26.1	39.2	50.6	56.3	65.2	63.6	54.8	44.9	29.9	14.6	38.6
2005	6.8	16.9	24.0	39.6	48.2	63.2	66.3	64.9	56.4	46.6	32.7	18.4	40.3
2006	18.5	14.9	28.3	41.7	54.5	64.0	68.3	60.4	54.9	43.3	36.7	23.6	42.4
2007	12.3	9.3	23.2	36.0	50.3	61.0	65.2	62.1	55.5	47.7	29.2	13.6	38.8
2008	13.2	13.0	18.3	39.9	49.9	60.7	67.6	63.2	55.3	43.4	33.5	16.0	39.5
2009	2.5	17.2	23.0	40.5	50.3	60.0	63.7	65.2	54.5	39.1	36.9	20.3	39.4
POR= 71 YRS	10.2	13.1	24.1	37.3	50.7	60.0	65.3	63.0	54.0	43.2	31.0	16.7	39.0

**HEATING DEGREE DAYS (base 65°F) 2009 CARIBOU (KCAR)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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
2002-03	79	94	244	757	1093	1472	1842	1608	1356	975	468	161	10149
2003-04	36	104	199	668	959	1334	1907	1446	1198	768	443	254	9316
2004-05	50	79	302	618	1046	1556	1795	1342	1263	754	515	140	9460
2005-06	36	55	255	566	961	1441	1434	1394	1130	691	318	82	8363
2006-07	15	161	304	666	841	1277	1628	1551	1288	864	460	133	9188
2007-08	66	118	290	529	1069	1586	1593	1500	1440	746	460	139	9536
2008-09	12	74	288	662	939	1513	1931	1332	1292	728	449	170	9390
2009-	70	80	311	795	838	1376							

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**COOLING DEGREE DAYS (base 65°F) 2009 CARIBOU (KCAR)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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
2003	0	0	0	0	1	70	47	90	10	0	0	0	218
2004	0	0	0	0	4	2	61	44	0	0	0	0	111
2005	0	0	0	0	0	92	86	59	4	2	0	0	243
2006	0	0	0	0	0	59	126	23	6	0	0	0	214
2007	0	0	0	0	13	22	78	36	11	0	0	0	160
2008	0	0	0	0	0	17	102	23	4	0	0	0	146
2009	0	0	0	0	1	25	36	97	2	0	0	0	161

## SNOWFALL (inches) 2009 CARIBOU (KCAR)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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		40.9	15.7	7.9	1.1	0.0	
1995-96	0.0	T	0.0	T	8.9	25.1	18.4	22.7	16.5	13.1	5.7	0.0	110.4
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	130.9
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	124.0
1998-99	0.0	0.0	0.0	T	12.6	21.9	36.7	18.5	30.3	8.8	T	0.0	128.8
1999-00	0.0	0.0	0.0	0.2	4.1	6.7	43.7	32.5	15.4	9.8	T	T	112.4
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	132.1
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	91.2
2002-03	0.0	0.0	0.0	1.3	19.7	15.0	15.2	39.1	23.3	3.7	T	0.0	117.3
2003-04	0.0	0.0	0.0	7.9	3.8	43.0	23.8	11.9	8.7	2.8	T	0.0	101.9
2004-05	0.0	0.0	0.0	0.0	11.3	24.2	24.5	25.3	37.6	5.5	0.0	0.0	128.4
2005-06	0.0	0.0	0.0	4.2	17.6	43.4	19.7	7.8	1.4	1.9	0.0	0.0	96.0
2006-07	0.0	0.0	0.0	T	3.2	8.5	17.6	21.3	26.2	29.0	0.8	0.0	106.6
2007-08	0.0	0.0	0.0	0.8	16.0	54.5	26.5	47.7	45.2	7.1	T	0.0	197.8
2008-09	0.0	0.0	0.0	1.0	9.6	39.7	29.5	18.4	16.6	3.3	0.0	0.0	118.1
2009-	0.0	0.0	0.0	6.4	3.3	27.0							
POR= 71 YRS	T	T	T	1.9	11.5	23.7	24.0	22.7	19.8	8.3	0.7	T	112.6

WBAN : 14607

### REFERENCE NOTES :

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).

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).

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 (1971 - 2000).  
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.  
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.

GENERAL CONTINUED:  
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.  
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.  
STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED HISTORY GO TO "MULTI-NETWORK METADATA SYSTEM", URL IS: <https://mi3.ncdc.noaa.gov/mi3qry/login.cfm>

#### NOTE:

The "Period of Record:(POR) for all "averages" is based on the "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.

# 2009 CARIBOU MAINE (KCAR)

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.

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