

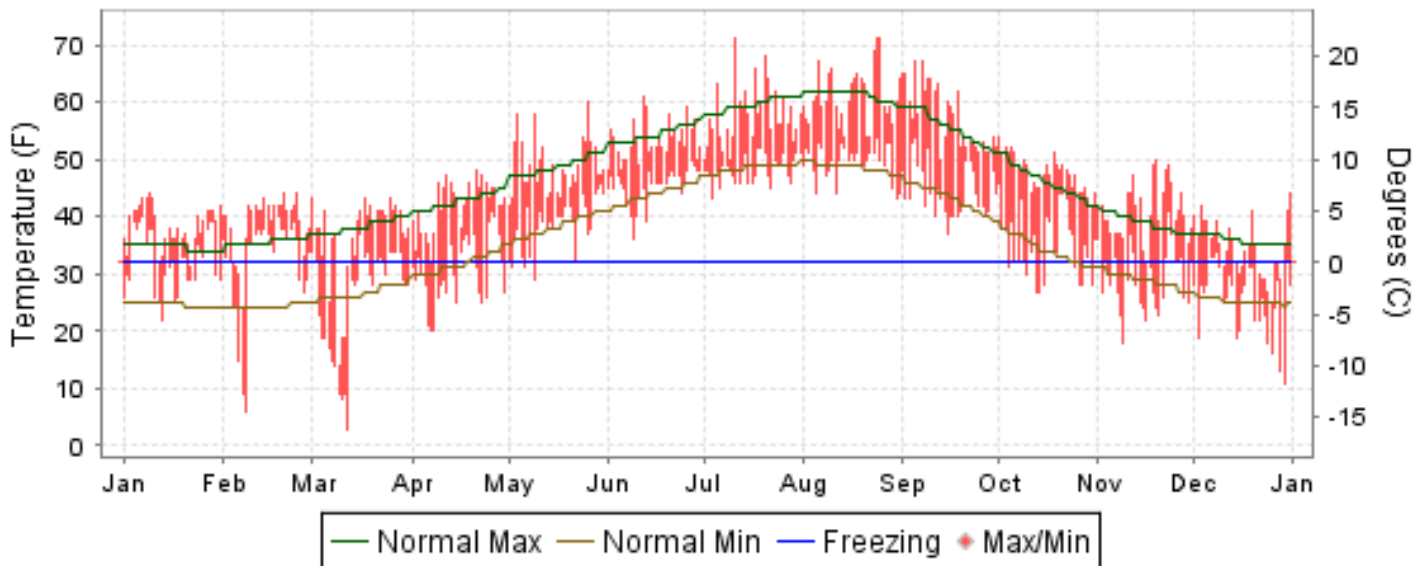


# 2010 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

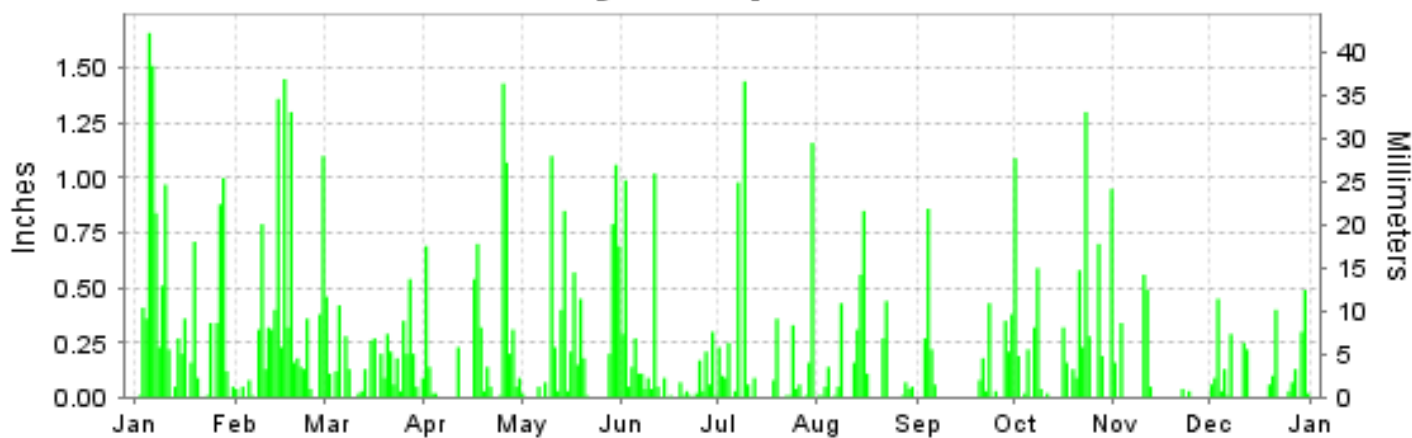
ISSN 0197-9809

## KODIAK, ALASKA (PADQ)

### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2010

## KODIAK (PADQ)

LATITUDE: 57° 45'N      LONGITUDE: -152° 29'W      ELEVATION (FT): GRND: 70    BARO: 109      TIME ZONE: ALASKA (UTC -9)      WBAN: 25501

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	38.4	38.8	36.4	42.1	48.9	53.3	57.8	61.0	57.5	47.6	41.1	34.6	46.5	
	HIGHEST DAILY MAXIMUM	44	44	43	48	60	61	71	71	67	54	50	44	71	
	DATE OF OCCURRENCE	09	24+	25+	21	26	12	11	25+	07+	01	19	31	AUG 25+	
	MEAN DAILY MINIMUM	32.2	31.8	25.7	30.5	38.5	45.3	48.2	49.5	44.5	35.0	29.2	25.5	36.3	
	LOWEST DAILY MINIMUM	22	6	3	20	29	36	43	43	37	27	18	11	3	
	DATE OF OCCURRENCE	13	08	12	08+	09	09	04	30	15	14+	09	29	MAR 12	
	AVERAGE DRY BULB	35.3	35.3	31.1	36.3	43.7	49.3	53.0	55.3	51.0	41.3	35.2	30.1	41.4	
	MEAN WET BULB	34.3	34.0	28.9	33.9	40.8	46.6	50.0	51.5	47.9	38.8	31.8	27.5	38.8	
	MEAN DEW POINT	31.8	31.3	24.0	28.7	36.5	43.8	47.6	48.4	43.9	35.0	24.6	21.5	34.8	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 70	0	0	0	0	0	0	0	1	2	0	0	0	0	3
	MAXIMUM <= 32°	2	4	5	1	0	0	0	0	0	0	1	12	25	
MINIMUM <= 32°	16	9	22	19	5	0	0	0	0	12	22	28	133		
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	912	826	1045	856	653	465	365	294	413	727	889	1078	8523	
	COOLING DEGREE DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	
RH	MEAN (PERCENT)	86	85	76	74	77	82	84	80	77	78	68	71	78	
	HOUR 03 LST	85	88	78	80	82	87	88	87	82	83	70	70	82	
	HOUR 09 LST	86	86	79	73	74	82	85	80	79	81	70	70	79	
	HOUR 15 LST	84	81	70	67	72	77	78	73	70	68	61	69	73	
	HOUR 21 LST	87	86	76	74	77	81	83	80	79	81	69	73	79	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	4	1	1	0	2	1	2	3	1	0	1	1	17	
	THUNDERSTORMS	0	0	0	0	0	0	1	0	0	0	0	0	1	
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.)	29.27	29.33	29.20	29.50	29.77	29.75	29.83	29.80	29.66	29.25	29.61	29.45	29.54	
	MEAN SEA-LEVEL PRESS. (IN.)	29.39	29.46	29.33	29.63	29.89	29.87	29.95	29.93	29.78	29.37	29.87	29.58	29.67	
WINDS	RESULTANT SPEED (MPH)	6.4	5.1	6.0	1.9	4.2	4.6	1.9	1.6	2.4	1.7	7.1	12.0	3.3	
	RES. DIR. (TENS OF DEGS.)	36	03	32	34	05	05	06	31	31	34	30	30	34	
	MEAN SPEED (MPH)	11.9	10.6	12.1	10.7	10.2	8.5	6.2	7.0	7.7	8.8	10.4	13.5	9.8	
	PREVAIL.DIR.(TENS OF DEGS.)	30	30	30	30	07	04	04	29	28	28	30	30	30	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	41	45	44	44	41	38	20	38	31	41	46	37	46	
	DIR. (TENS OF DEGS.)	03	08	26	02	10	04	29	28	29	03	05	28	05	
	DATE OF OCCURRENCE	10	08	09	25	10	11	21	18	24	31	10	20	NOV 10	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	55	58	62	60	51	53	25	47	43	49	58	54	62	
DIR. (TENS OF DEGS.)	03	09	27	03	11	05	26	29	29	03	05	32	27		
DATE OF OCCURRENCE	10	08	09	25	10	11	20	18	24	31	10	15	MAR 09		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	11.30	9.59	4.72	6.04	7.09	4.22	5.49	3.57	3.10	7.42	1.67	3.13	67.34	
	GREATEST 24-HOUR (IN.)	1.85	1.50	0.58	1.50	1.30	1.05	1.44	1.34	1.05	1.34	0.84	0.49	1.85	
	DATE OF OCCURRENCE	05-06	15-16	26-27	25-26	10-11	10-11	09	14-15	04-05	23-24	10-11	30	JAN 05-06	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	24	23	24	18	19	25	19	18	12	19	7	18	226	
PRECIPITATION 0.10	19	18	17	11	13	10	9	9	8	15	4	10	143		
PRECIPITATION 1.00	3	4	0	2	2	1	2	0	0	2	0	0	16		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	9.1	8.4	14.9	6.6	0.2	0.0	0.0	0.0	0.0	0.0	T	15.5	54.7	
	GREATEST 24-HOUR (IN.)	5.0	3.6	2.8	3.4	0.2	0.0	0.0	0.0	0.0	0.0	T	5.5	5.5	
	DATE OF OCCURRENCE	19	27	07	01	01						25+	21	DEC 21	
	MAXIMUM SNOW DEPTH (IN.)	2	3	6	4	0	0	0	0	0	0	T	8	8	
	DATE OF OCCURRENCE	19	27	16+	03							03	28+	DEC 28+	
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0	1	3	8	3	0	0	0	0	0	0	0	6	21		

# NORMALS, MEANS, AND EXTREMES

## KODIAK (PADQ)

**LATITUDE:** 57 ° 45'N      **LONGITUDE:** -152 ° 29'W      **ELEVATION (FT):** GRND: 70    BARO: 109      **TIME ZONE:** ALASKA (UTC -9)      **WBAN: 25501**

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	34.7	35.5	38.3	42.7	48.8	54.5	59.6	61.4	55.6	46.2	39.0	35.8	46.0
	MEAN DAILY MAXIMUM	79	34.9	35.3	37.7	42.5	49.0	54.5	59.4	61.0	55.0	46.6	39.0	35.6	45.9
	HIGHEST DAILY MAXIMUM	62	54	56	57	69	80	86	82	83	73	62	54	56	86
	YEAR OF OCCURRENCE		1963	1957	1963	2005	1968	1953	2004	1968	1985	1983	1986	1984	JUN 1953
	MEAN OF EXTREME MAXS.	79	43.4	44.2	47.0	52.6	62.2	69.6	73.8	72.7	65.0	55.8	47.6	44.6	56.5
	NORMAL DAILY MINIMUM	30	24.6	24.3	26.8	31.8	38.2	43.9	48.5	48.6	43.2	34.3	28.9	25.3	34.9
	MEAN DAILY MINIMUM	79	25.9	25.9	27.3	31.6	38.3	43.8	48.3	49.1	43.5	35.4	29.5	26.1	35.4
	LOWEST DAILY MINIMUM	62	-16	-12	-6	7	20	30	37	34	26	10	0	-2	-16
	YEAR OF OCCURRENCE		1989	1971	1971	1977	1949	1968	2007	1998	1992	1975	1971	1997	JAN 1989
	MEAN OF EXTREME MINS.	79	8.8	8.3	13.0	21.3	30.6	36.8	42.3	41.2	33.3	23.1	16.3	9.4	23.7
	NORMAL DRY BULB	30	29.7	29.9	32.6	37.3	43.5	49.2	54.1	55.0	49.4	40.3	34.0	30.6	40.5
	MEAN DRY BULB	79	30.5	30.6	32.5	37.1	43.7	49.3	53.9	55.1	49.3	41.1	34.3	30.9	40.7
	MEAN WET BULB	27	28.4	28.5	29.0	34.1	40.4	46.5	51.2	51.5	46.3	37.3	30.9	28.9	37.8
	MEAN DEW POINT	27	25.9	25.8	25.7	31.3	37.7	44.9	49.8	49.6	43.9	34.4	28.1	26.3	35.3
	NORMAL NO. DAYS WITH: MAXIMUM >= 70	30	0.0	0.0	0.0	0.0	0.4	1.2	2.5	3.2	0.3	0.0	0.0	0.0	7.6
	MAXIMUM <= 32	30	7.0	6.8	3.4	0.7	0.0	0.0	0.0	0.0	0.0	0.6	3.6	6.6	28.7
	MINIMUM <= 32	30	20.8	19.9	20.8	12.6	2.9	*	0.0	0.0	1.2	11.9	18.5	22.3	130.9
MINIMUM <= 0	30	0.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	
H/C	NORMAL HEATING DEG. DAYS	30	1096	983	989	833	667	474	339	310	468	766	931	1067	8923
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	0	0	0	0	0	0	0	0	0
RH	NORMAL (PERCENT)	30	79	77	74	76	78	83	85	81	80	75	76	78	79
	HOURLY 03 LST	30	80	79	79	81	84	89	91	87	86	79	79	79	83
	HOURLY 09 LST	30	81	80	76	75	75	82	83	79	80	77	78	80	79
	HOURLY 15 LST	30	75	73	67	70	71	77	79	72	71	66	71	76	72
	HOURLY 21 LST	30	80	79	77	78	78	82	85	83	84	77	78	79	80
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	47	0.9	1.2	1.1	0.4	1.1	1.9	2.7	2.4	1.0	0.3	0.3	1.0	14.3
	THUNDERSTORMS	62	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2
CLOUDNESS	MEAN: SUNRISE-SUNSET (OKTAS)	29	5.8	5.8	5.6	6.1	6.4	6.4	6.2	6.0	6.0	5.6	5.5	5.8	5.9
	MIDNIGHT-MIDNIGHT (OKTAS)	30	5.6	5.5	5.4	6.0	6.3	6.4	6.1	5.9	5.8	5.2	5.0	5.5	5.7
	MEAN NO. DAYS WITH: CLEAR	27	5.3	6.0	6.6	4.3	3.4	3.4	3.1	4.1	3.9	5.6	6.7	5.8	58.2
	PARTLY CLOUDY	27	5.7	4.7	6.7	6.0	5.7	5.8	5.6	6.8	7.2	7.5	6.4	5.4	73.5
	CLOUDY	27	20.0	17.5	17.7	19.7	22.0	20.8	22.3	19.1	18.0	16.8	15.9	18.7	228.5
PR	MEAN STATION PRESSURE(IN)	27	29.43	29.53	29.55	29.62	29.75	29.79	29.84	29.78	29.63	29.49	29.44	29.39	29.60
	MEAN SEA-LEVEL PRES. (IN)	27	29.57	29.66	29.67	29.75	29.87	29.91	29.97	29.90	29.75	29.61	29.57	29.52	29.73
WINDS	MEAN SPEED (MPH)	27	12.2	12.2	12.8	11.9	10.6	9.7	8.2	8.8	9.9	11.3	12.3	12.8	11.1
	PREVAIL.DIR.(TENS OF DEGS)	30	32	32	31	31	32	06	06	32	30	30	31	30	32
	MAXIMUM 2-MINUTE: SPEED (MPH)	14	51	51	53	53	41	38	37	48	51	44	49	55	55
	DIR. (TENS OF DEGS)		30	19	28	29	10	04	03	03	04	04	29	28	28
	YEAR OF OCCURRENCE		1999	2000	2006	1999	2010	2010	2006	1998	2003	2005	2003	2008	DEC 2008
	MAXIMUM 3-SECOND SPEED (MPH)	14	66	62	64	66	53	53	49	60	63	58	60	88	88
	DIR. (TENS OF DEGS)		31	18	04	29	03	05	03	03	04	04	06	29	29
	YEAR OF OCCURRENCE		1999	2000	2001	2008	2009	2010	2006	1998	2003	2005	2001	2007	DEC 2007
PRECIPITATION	NORMAL (IN)	30	8.17	5.72	5.22	5.48	6.31	5.38	4.12	4.48	7.84	8.36	6.63	7.64	75.35
	MAXIMUM MONTHLY (IN)	62	17.18	12.43	12.73	12.57	14.05	16.88	10.21	11.13	19.44	17.13	15.92	19.82	19.82
	YEAR OF OCCURRENCE		2003	1977	1998	2007	2008	1987	1985	1977	1995	2002	2002	1985	DEC 1985
	MINIMUM MONTHLY (IN)	62	0.24	1.41	0.67	0.29	1.00	0.67	0.84	0.65	1.20	1.56	0.19	1.21	0.19
	YEAR OF OCCURRENCE		1969	1956	1991	2002	1964	1997	1980	1994	1977	1956	1950	1977	NOV 1950
	MAXIMUM IN 24 HOURS (IN)	62	4.79	4.07	3.36	3.27	3.63	3.85	3.54	3.93	5.57	7.44	7.81	4.41	7.81
	YEAR OF OCCURRENCE		1998	1977	1998	1997	1979	1987	1998	1993	1995	1991	1991	1985	NOV 1991
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	18.9	16.9	17.4	18.2	17.9	15.5	15.1	13.4	16.4	16.8	16.3	18.5	201.3
	PRECIPITATION >= 1.00	30	2.4	1.2	0.9	0.8	1.4	1.4	1.0	1.1	2.6	2.5	1.7	2.3	19.3
SNOWFALL	NORMAL (IN)	30	14.5	14.7	10.3	7.5	0.2	0.0	0.0	0.0	0.*	1.4	7.3	15.6	71.5
	MAXIMUM MONTHLY (IN)	62	40.8	52.0	74.5	34.8	6.0	T	0.0	0.0	0.4	14.9	30.0	46.4	74.5
	YEAR OF OCCURRENCE		2004	2002	1956	1985	1971	1965			1977	1961	1989	1990	MAR 1956
	MAXIMUM IN 24 HOURS (IN)	62	12.0	19.0	17.8	11.3	4.0	T	0.0	0.0	0.4	10.0	14.0	15.7	19.0
	YEAR OF OCCURRENCE'		1976	1992	1956	1985	1968	1965			1977	1970	1965	1990	FEB 1992
	MAXIMUM SNOW DEPTH (IN)	61	25	28	35	25	4	0	0	0	0	9	11	17	35
	YEAR OF OCCURRENCE		2007	1969	1956	1956	1968					1964	1963	2006	MAR 1956
	NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	4.0	4.4	3.2	2.4	0.0	0.0	0.0	0.0	0.0	0.6	2.1	4.0	20.7

**PRECIPITATION (inches) 2010 KODIAK (PADQ)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1981	13.65	6.43	8.05	2.86	7.26	1.87	2.53	4.35	7.47	3.15	7.29	5.22	70.13
1982	7.22	2.12	1.99	3.60	5.55	7.29	3.81	2.23	10.10	3.54	7.58	13.49	68.52
1983	9.19	7.56	8.34	2.25	12.67	7.88	2.16	0.73	2.93	5.36	15.36	2.43	76.86
1984	10.11	5.75	9.94	6.27	4.90	5.15	3.04	1.39	8.37	3.15	4.98	5.50	68.55
1985	14.41	1.91	5.68	5.81	1.53	6.64	10.21	2.96	8.05	3.26	4.44	19.82	84.72
1986	11.63	6.31	4.59	2.69	2.27	13.16	2.72	6.42	2.22	11.37	5.35	11.64	80.37
1987	10.21	4.75	6.31	4.93	3.67	16.88	1.25	0.65	7.83	8.08	4.98	2.49	72.03
1988	6.91	11.50	8.59	6.65	2.42	1.59	4.11	8.28	6.55	10.20	7.93	11.48	86.21
1989	2.53	1.44	3.61	4.13	2.02	7.22	3.86	5.92	6.10	7.04	5.58	12.59	62.04
1990	6.79	2.90	5.56	6.63	4.75	2.14	7.93	7.86	8.96	5.40	2.32	4.91	66.15
1991	10.68	10.80	0.67	8.03	9.74	8.65	2.29	4.77	10.19	11.49	12.96	5.82	96.09
1992	9.07	2.14	5.49	2.10	7.52	5.59	2.25	6.02	2.69	4.84	4.83	4.97	57.51
1993	2.97	7.11	8.17	8.74	5.18	3.51	2.33	8.41	5.44	9.80	5.56	11.68	78.90
1994	11.81	4.15	10.14	7.27	9.10	3.36	7.29	0.65	6.57	12.92	1.90	8.71	83.87
1995	6.92	7.07	4.30	6.58	9.46	8.16	5.02	4.35	19.44	9.99	2.24	11.76	95.29
1996	3.00	2.05	1.70	9.74	1.62	2.35	6.49	2.51	8.96	4.76	6.74	6.49	56.41
1997	10.00	10.13	2.18	12.09	2.35	0.67	5.13	4.03	11.69	9.39	8.78	7.77	84.21
1998	13.49	7.22	12.73	7.46	7.24	7.77	8.20	3.75	11.34	13.96	8.58	4.51	106.25
1999	8.90	2.77	3.12	3.94	3.86	9.77	2.27	5.30	11.72	7.90	9.10	7.01	75.66
2000	2.27	6.33	6.35	6.99	1.87	5.01	2.08	1.23	2.63	10.31	9.59	12.34	67.00
2001	12.71	5.50	9.07	5.01	4.28	2.44	2.79	6.39	9.21	6.89	6.93	7.94	79.16
2002	12.47	10.60	3.98	0.29	3.96	8.38	5.96	2.93	3.85	17.13	15.92	6.13	91.60
2003	17.18	6.88	6.15	3.96	1.62	6.63	3.36	7.82	8.31	13.59	1.94	10.25	87.69
2004	6.86	10.46	3.48	9.30	5.40	8.73	6.16	4.34	3.45	5.46	11.62	10.83	86.09
2005	7.58	8.76	5.07	4.36	7.29	5.64	2.94	5.56	4.00	5.51	3.77	14.25	74.73
2006	3.20	3.59	3.06	3.87	4.07	8.21	7.96	5.08	5.82	5.96	1.92	10.91	63.65
2007	8.82	3.84	1.14	12.57	11.22	3.88	9.74	4.82	5.45	7.08	10.00	10.95	89.51
2008	4.18	9.21	7.96	2.26	14.05	7.94	9.71	8.03	7.59	4.53	4.19	7.73	87.38
2009	7.71	3.33	5.20	5.68	5.30	2.39	8.18	6.25	10.98	16.58	7.83	10.25	89.68
2010	11.30	9.59	4.72	6.04	7.09	4.22	5.49	3.57	3.10	7.42	1.67	3.13	67.34
POR= 79 YRS	6.79	5.63	4.54	4.78	5.64	5.03	4.16	4.49	6.72	7.51	5.96	6.64	67.89

WBAN : 25501

**AVERAGE TEMPERATURE (°F) 2010 KODIAK (PADQ)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1981	38.2	34.0	39.3	41.9	47.2	52.2	57.5	56.1	50.2	43.0	36.3	31.2	43.9
1982	32.7	28.1	35.7	36.0	43.5	49.2	55.0	55.1	49.9	39.1	36.5	37.2	41.5
1983	30.7	37.0	40.5	41.8	46.6	51.9	57.1	58.0	51.5	42.8	38.1	38.1	44.5
1984	32.7	25.5	38.5	36.7	43.7	51.2	55.7	57.5	51.3	41.6	33.9	37.6	42.2
1985	39.2	28.8	35.4	31.8	41.5	46.2	52.3	54.2	51.1	36.5	32.8	36.4	40.5
1986	33.3	30.3	32.4	34.2	43.5	47.4	54.2	53.0	50.5	44.3	36.3	35.8	41.3
1987	34.0	36.2	35.4	38.1	44.8	47.7	55.9	56.5	48.4	41.8	33.3	28.0	41.7
1988	32.2	34.3	34.7	36.8	45.0	51.6	54.1	55.1	48.7	41.2	32.7	30.4	41.4
1989	21.7	33.0	33.1	39.4	44.7	50.1	57.2	57.1	52.0	41.1	32.1	34.7	41.4
1990	29.4	24.3	35.2	41.0	45.7	52.7	53.7	57.1	51.5	39.8	30.2	31.1	41.0
1991	30.3	27.5	33.6	39.0	44.9	49.7	53.8	54.3	50.3	41.7	37.5	30.2	41.1
1992	33.3	27.7	32.3	39.0	44.5	50.9	55.4	53.7	46.4	40.2	35.4	29.9	40.7
1993	27.3	30.9	35.3	40.3	47.1	50.9	57.1	57.1	50.7	42.4	37.5	35.0	42.6
1994	34.5	30.1	30.4	38.7	44.2	51.7	53.0	57.1	49.3	39.4	31.5	28.5	40.7
1995	31.0	31.7	29.6	40.8	43.2	49.4	54.0	55.5	51.7	42.3	34.0	34.8	41.5
1996	29.3	29.1	36.5	38.9	47.5	50.7	53.6	54.8	47.2	38.8	35.7	28.9	40.9
1997	30.8	36.0	31.8	38.2	47.4	53.3	56.4	57.5	52.0	39.7	34.1	24.8	41.8
1998	32.1	36.4	37.7	38.5	43.3	49.7	53.8	52.9	48.2	40.2	36.0	28.8	41.5
1999	26.3	21.7	28.1	35.8	42.9	48.1	55.9	54.5	49.1	38.2	33.8	26.2	38.4
2000	23.2	33.8	34.3	37.7	44.7	47.6	52.8	56.8	49.1	40.9	37.3	36.4	41.2
2001	32.5	33.1	34.0	38.3	42.1	53.6	55.9	56.6	49.9	37.0	33.2	25.6	41.0
2002	31.4	29.9	32.0	37.7	45.5	49.5	54.5	55.7	50.5	45.0	40.6	30.5	41.9
2003	35.7	38.2	31.5	40.6	45.5	49.6	56.2	55.7	48.6	43.9	35.5	29.0	42.5
2004	27.7	34.6	30.4	38.5	48.2	50.4	57.0	57.3	49.0	43.0	35.3	33.3	42.1
2005	37.2	31.2	35.2	39.7	46.2	52.1	57.1	56.1	50.2	39.7	28.3	35.0	42.3
2006	26.6	29.3	32.1	35.4	45.3	49.7	53.5	54.3	49.2	42.5	28.7	28.7	39.6
2007	24.4	31.2	22.1	36.8	41.6	49.6	53.1	55.7	50.8	39.3	35.7	30.4	39.2
2008	26.4	28.1	31.6	35.2	42.4	47.7	52.9	53.3	48.3	36.7	29.7	30.9	38.6
2009	27.9	28.1	28.8	36.4	44.8	49.3	55.1	54.4	48.7	43.8	31.1	32.1	40.0
2010	35.3	35.3	31.1	36.3	43.7	49.3	53.0	55.3	51.0	41.3	35.2	30.1	41.4
POR= 79 YRS	30.5	30.6	32.5	37.1	43.7	49.3	53.9	55.1	49.3	41.1	34.3	30.9	40.7

**HEATING DEGREE DAYS (base 65°F) 2010 KODIAK (PADQ)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1981-82	225	272	438	674	854	1038	996	1028	900	864	658	466	8413
1982-83	302	298	447	798	847	855	1053	780	754	688	561	385	7768
1983-84	237	213	400	681	802	826	993	1137	813	844	655	408	8009
1984-85	283	229	401	717	927	845	795	1009	909	989	719	559	8382
1985-86	386	325	410	873	958	879	976	966	1004	916	659	523	8875
1986-87	330	364	427	638	856	899	957	801	914	801	619	514	8120
1987-88	287	259	490	715	944	1139	1011	884	935	840	616	394	8514
1988-89	331	298	484	729	963	1066	1336	892	980	763	621	442	8905
1989-90	236	237	384	735	983	937	1098	1137	916	712	589	363	8327
1990-91	346	239	398	772	1039	1043	1067	1045	965	773	617	453	8757
1991-92	342	324	432	713	820	1073	978	1075	1009	773	627	415	8581
1992-93	289	345	553	764	880	1082	1163	947	910	733	549	418	8633
1993-94	248	246	422	692	817	921	936	966	1066	783	638	391	8126
1994-95	369	236	463	784	1000	1128	1044	926	1093	718	668	464	8893
1995-96	335	287	392	702	922	928	1101	1036	876	774	534	420	8307
1996-97	347	310	528	803	873	1113	1053	804	1023	796	537	354	8541
1997-98	260	228	383	776	920	1239	1010	794	843	787	665	449	8354
1998-99	341	367	497	762	862	1118	1191	1208	1139	869	679	502	9535
1999-00	281	318	468	824	930	1195	1288	898	947	812	626	512	9099
2000-01	371	250	470	740	828	880	1003	888	953	794	701	341	8219
2001-02	276	253	448	863	947	1214	1035	976	1015	811	599	459	8896
2002-03	319	283	427	614	725	1064	899	746	1030	725	598	457	7887
2003-04	274	286	488	649	878	1111	1152	874	1065	790	513	430	8510
2004-05	258	239	473	676	883	972	858	937	920	753	574	383	7926
2005-06	236	270	436	778	1095	921	1180	992	1014	879	603	455	8859
2006-07	352	328	469	688	1083	1118	1251	941	1324	840	719	457	9570
2007-08	365	280	421	789	872	1065	1191	1064	1027	887	697	514	9172
2008-09	368	356	498	869	1053	1049	1142	1027	1118	849	618	462	9409
2009-10	303	321	482	650	1007	1011	912	826	1045	856	653	465	8531
2010-	365	294	413	727	889	1078							

WBAN : 25501

**COOLING DEGREE DAYS (base 65°F) 2010 KODIAK (PADQ)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1981	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	3	0	0	0	0	3
1984	0	0	0	0	0	0	3	1	0	0	0	0	4
1985	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	1	0	0	0	0	0	1
1987	0	0	0	0	0	0	7	0	0	0	0	0	7
1988	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	1	1	0	0	0	0	0	2
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	8	9	0	0	0	0	17
1994	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	1	0	1	0	0	0	0	2
1996	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	9	0	0	0	0	0	0	9
1998	0	0	0	0	0	0	1	0	0	0	0	0	1
1999	0	0	0	0	0	0	7	0	0	0	0	0	7
2000	0	0	0	0	0	0	0	3	0	0	0	0	3
2001	0	0	0	0	0	3	0	0	0	0	0	0	3
2002	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	8	3	0	0	0	0	11
2004	0	0	0	0	0	0	15	4	0	0	0	0	19
2005	0	0	0	0	0	0	0	0	0	0	0	0	0
2006	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	0	0	0	0	0	0

## SNOWFALL (inches) 2010 KODIAK (PADQ)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1981-82	0.0	0.0	0.0	0.2	3.1	9.6	14.2	4.0	9.5	19.8	1.4	0.0	61.8
1982-83	0.0	0.0	0.0	6.0	0.4	2.4	6.4	1.0	0.6	1.8	T	0.0	18.6
1983-84	0.0	0.0	0.0	6.1	7.2	T	19.2	38.8	2.0	9.0	T	0.0	82.3
1984-85	0.0	0.0	0.0	T	2.9	6.0	0.1	12.9	30.0	34.8	0.8	0.0	87.5
1985-86	0.0	0.0	0.0	4.5	9.0	11.0	23.5	17.0	6.4	11.9	0.8	0.0	84.1
1986-87	0.0	0.0	0.0	0.0	4.2	2.1	8.3	2.0	9.9	4.3	T	0.0	30.8
1987-88	0.0	0.0	0.0	0.0	5.8	6.9	7.6	24.4	15.8	16.6	T	0.0	77.1
1988-89	0.0	0.0	0.0	T	8.6	14.4	18.2	9.3	5.7	0.4	0.0	0.0	56.6
1989-90	0.0	0.0	0.0	0.5	30.0	8.3	35.8	35.1	15.9	3.6	0.0	0.0	129.2
1990-91	0.0	0.0	0.0	3.7	5.0	46.4	20.1	13.2	5.0	11.0	T	0.0	104.4
1991-92	0.0	0.0	0.0	0.0	24.8	24.0	7.0	27.6	15.0	0.8	0.8	0.0	100.0
1992-93	0.0	0.0	T	T	1.2	29.4	6.9	4.2	3.8	1.0	T	0.0	46.5
1993-94	0.0	0.0	0.0	0.2	0.5	6.4	3.8	14.5	14.3	T	T	0.0	39.7
1994-95	0.0	0.0	0.0	2.9	6.3	37.6	12.9	24.4	8.1	5.5	T	0.0	97.7
1995-96	0.0	0.0	0.0	0.8	2.8	2.0	27.9	21.9	4.8	7.3	0.0	0.0	67.5
1996-97	0.0	T	T	6.6	1.4	36.4	30.5		10.8	3.0	0.0	0.0	
1997-98	0.0	0.0	0.0	0.6	7.9	34.2	8.5	1.8	0.8	0.1	T	0.0	53.9
1998-99	0.0	0.0	0.0	0.0	0.3	15.1	5.6	12.5	26.2	16.2	T	0.0	75.9
1999-00	0.0	0.0	0.0	2.3	7.9	24.0	16.3	6.3	5.3	19.8	T	0.0	81.9
2000-01	0.0	0.0	0.0	T	T	0.1	16.8	0.8	14.3	1.2	3.9	0.0	37.1
2001-02	0.0	0.0	0.0	1.5	4.1	23.0	14.0	52.0	20.0	0.1	0.0	0.0	114.7
2002-03	0.0	0.0	0.0	0.0	T	1.8	2.6	T	38.9	5.8	T	0.0	49.1
2003-04	0.0	0.0	0.0	T	0.1	18.1	40.8	2.3	13.2	13.4	0.0	0.0	87.9
2004-05	0.0	0.0	0.0	T	10.7	19.9	0.8	14.6	6.9	9.1	0.0	0.0	62.0
2005-06	0.0	0.0	0.0	0.2	8.2	0.2	8.3	11.0	13.3	13.6	0.5	0.0	55.3
2006-07	0.0	0.0	0.0	T	14.1	35.4	31.2	1.1	13.1	10.3	0.0	0.0	105.2
2007-08	0.0	0.0	0.0	T	2.7	39.7	16.6	36.1	35.7	14.1	3.7	0.0	148.6
2008-09	0.0	0.0	0.0	2.2	15.2	1.5	14.9	30.2	34.6	21.5	T	0.0	120.1
2009-10	0.0	0.0	0.0	0.0	10.8	4.7	9.1	8.4	14.9	6.6	0.2	0.0	54.7
2010-	0.0	0.0	0.0	0.0	T	15.5							
POR= 78 YRS	0.0	T	T	1.7	5.8	13.4	13.9	13.9	13.1	6.8	0.4	0.0	69.0

WBAN : 25501

### 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 (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.</p>	<p>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 MEDADATA SYSTEM", URL IS: <a href="https://mi3.ncdc.noaa.gov/mi3qry/login.cfm">https://mi3.ncdc.noaa.gov/mi3qry/login.cfm</a> SNOWFALL STOPPED MONTH &amp; YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p><b>NOTE:</b> 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.</p>
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# 2010 KODIAK ALASKA (PADQ)

Kodiak Island is located on the western side of the Gulf of Alaska, 90 miles southwest of the Kenai Peninsula. Oriented northeast-southwest, the island lies 25 miles southeast of the Alaska Peninsula, separated from it by the Shelikof Strait. Afognak Island lies northeast of Kodiak, across Kupreanof Strait, which averages less than half a mile in width. The two islands are generally considered to be a single landmass, approximately 145 miles long by 50 miles wide. The terrain is rugged, with the mountains averaging from 2,000 to 4,000 feet in height. The highest mountains on Kodiak extend to roughly 5,000 feet. The island has many lakes, ponds, interconnecting waterways, and drainage streams. The irregular shoreline is indented by numerous bays, many of which are deep and narrow.

The National Weather Service Office is located on U. S. Coast Guard Base Kodiak, adjacent to Womens Bay, a small U shaped bay extending westward from the main body of Chiniak Bay.

Kodiak has primarily a marine climate which is exemplified by the limited daily and annual temperature ranges. During the summer, the mean air temperature closely approximates the mean sea surface temperature, rising slightly above it during August but falling below again in September. In winter, the mean maximum air temperature more closely resembles the mean sea surface temperature curve. The absolute temperature range is nearly 100 degrees. Summer maximum temperatures will vary 10 to 20 degrees, depending on whether the northwest gradient is strong enough to maintain a flow of air from over the island, or whether it is weak enough that the sea breeze predominates. The highest daily maximum temperatures occur with northwest winds in summer.

Precipitation is normally abundant throughout the year. All months have a wide variation in the amount of precipitation. A very high percentage of the precipitation falls during northeast to southeast winds. Small amounts of snow may fall as late as May or as early as September with good ground cover anticipated in November. Precipitation measurement is often difficult due to strong, gusty surface winds which frequently accompany precipitation. Drifting and blowing snow occasionally close the field for periods of up to 24 hours.

Although the prevailing wind direction is northwesterly every month except May, June, and July, and the average speed is about 10 knots, these data may be misleading because of the extreme variability in both direction and speed. Maximum gusts of over 90 knots has been recorded. Coast Guard Cutters docked in Womens Bay have reported williwaw winds off Old Womens Mountain in excess of 120 knots. Gusts of over 50 knots have occurred during each month of the year, but are most likely to occur in the winter months.

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