

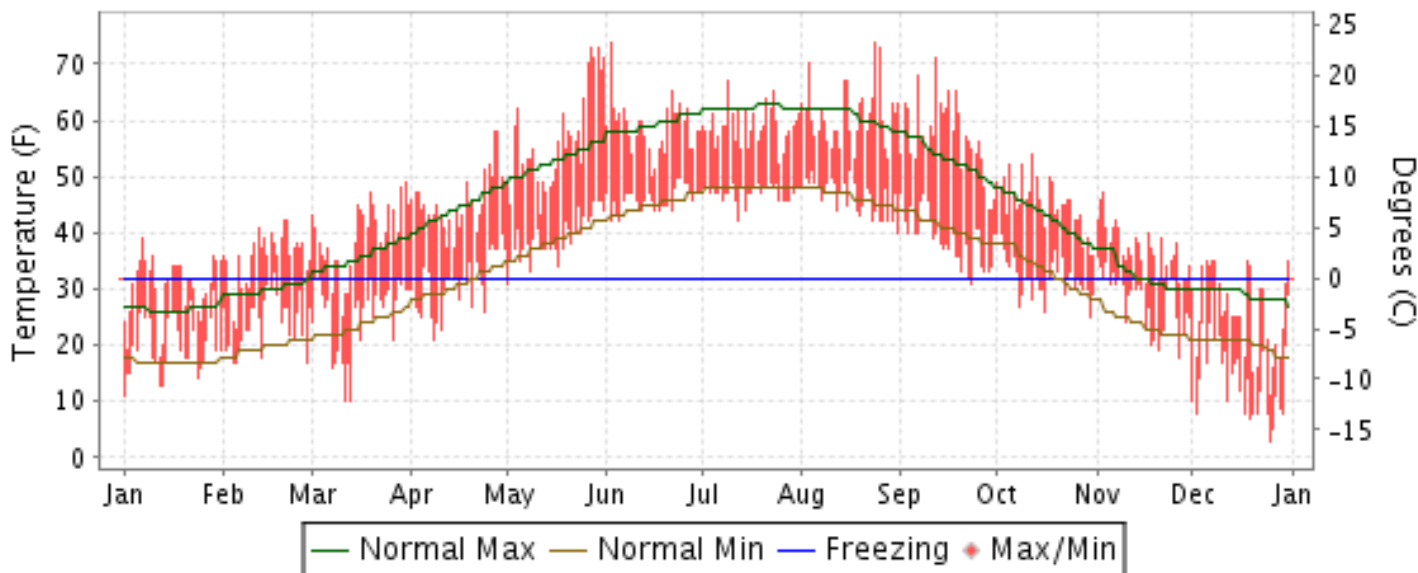


2010 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

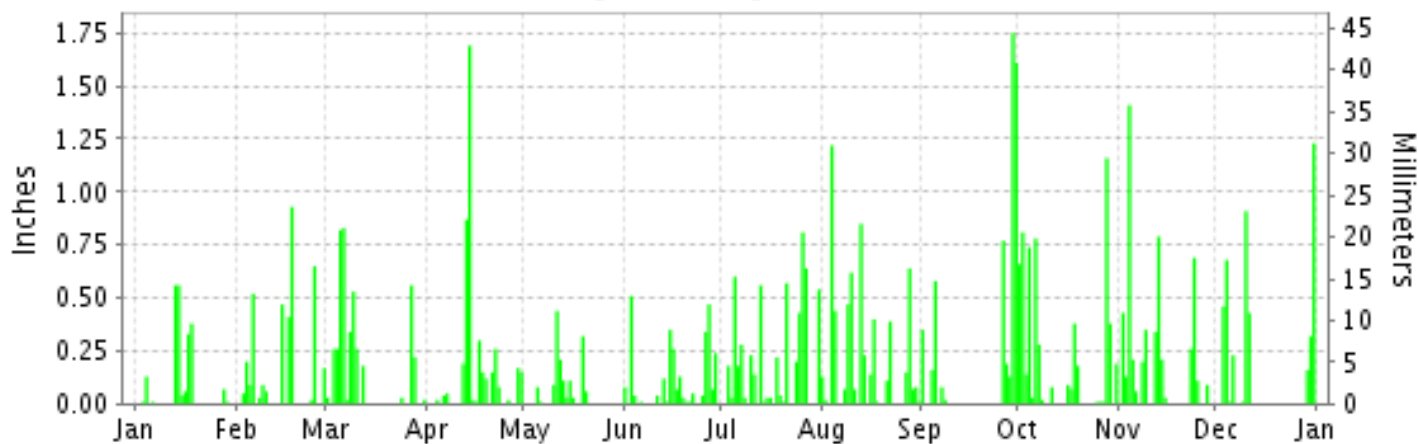
ISSN 0198-0548

VALDEZ, ALASKA (PAVW)

Daily Max/Min Temperature



Daily Precipitation



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CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2010

VALDEZ (PAVW)

LATITUDE: 61° 7'N LONGITUDE: -146° 21'W ELEVATION (FT): GRND: 95 BARO: 52 TIME ZONE: ALASKA (UTC -9) WBAN: 26442

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	30.4	35.4	39.2	45.5	56.7	58.8	59.0	60.9	56.9	45.2	37.1	26.1	45.9	
	HIGHEST DAILY MAXIMUM	39	42	49	58	73	74	67	74	71	54	39	35	74	
	DATE OF OCCURRENCE	07	21+	30	28+	29+	02	09	24	12	12	07	31+	AUG 24	
	MEAN DAILY MINIMUM	20.3	24.2	25.2	31.0	39.3	46.0	47.1	46.4	38.9	32.1	27.8	14.4	32.7	
	LOWEST DAILY MINIMUM	11	17	10	21	31	42	42	60	31	25	11	3	3	
	DATE OF OCCURRENCE	01	27+	13+	08	01	05+	12	03	23	30	01	25	DEC 25	
	AVERAGE DRY BULB	25.4	29.8	32.2	38.3	48.0	52.4	53.1	53.7	47.9	38.7	32.5	20.3	39.4	
	MEAN WET BULB														
	MEAN DEW POINT														
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 70	0	0	0	0	5	1	0	3	1	0	0	0	10	
	MAXIMUM <= 32°	18	6	4	10	0	8	14	0	0	0	6	23	89	
MINIMUM <= 32°	31	27	31	19	1	0	0	0	2	19	26	31	187		
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	1223	977	1008	794	520	368	363	345	505	810	967	1379	9259	
	COOLING DEGREE DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	
RH	MEAN (PERCENT)														
	HOUR 03 LST														
	HOUR 09 LST														
	HOUR 15 LST														
	HOUR 21 LST														
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI) THUNDERSTORMS														
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.)														
	MEAN SEA-LEVEL PRESS. (IN.)														
WINDS	RESULTANT SPEED (MPH)														
	RES. DIR. (TENS OF DEGS.)														
	MEAN SPEED (MPH)														
	PREVAIL.DIR.(TENS OF DEGS.)														
	MAXIMUM 2-MINUTE WIND SPEED (MPH)														
	DIR. (TENS OF DEGS.)														
	DATE OF OCCURRENCE	01	01	01	01	01	01	01	01	01	01	01	01		
MAXIMUM 3-SECOND WIND:															
SPEED (MPH)	68	39	41	26	39	46	39	35	51	44	75	62	75		
DIR. (TENS OF DEGS.)	10	25	08	26	25	25	25	25	16	10	32	08	32		
DATE OF OCCURRENCE	11	06	23	28	31	03	10	11	26	14	11	18	NOV 11		
PRECIPITATION	WATER EQUIVALENT: TOTAL (IN.)	2.16	3.69	4.36	4.29	1.49	2.88	5.76	6.12	5.64	6.02	5.31	4.44	52.16	
	GREATEST 24-HOUR (IN.)	0.56	0.93	0.83	1.69	0.44	0.51	0.81	1.22	1.75	1.16	1.41	1.23	1.75	
	DATE OF OCCURRENCE	14+	18	06	14	11	03	26	04	29	28	04	31	SEP 29	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	11	13	14	17	11	20	21	20	10	19	11	10	177	
PRECIPITATION 0.10	5	7	10	10	5	8	14	13	8	11	5	8	104		
PRECIPITATION 1.00	0	0	0	1	0	0	0	1	2	1	0	1	6		
SNOWFALL	SNOW,ICE PELLETS,HAIL TOTAL (IN.)	47.9	39.0	48.1	24.8	0.0	0.0	0.0	0.0	T	6.2	3.7	73.1	242.8	
	GREATEST 24-HOUR (IN.)	15.6	10.9	12.0	9.5	0.0	0.0	0.0	0.0	T	3.9	1.3	15.9	15.9	
	DATE OF OCCURRENCE	13	25	05	13					29+	31	15	10	DEC 10	
	MAXIMUM SNOW DEPTH (IN.)	57	54	70	59	22	0	0	0	0	5	57	31	70	
	DATE OF OCCURRENCE	18	26	12	01	01					31	18	11	MAR 12	
	NUMBER OF DAYS WITH: SNOWFALL >= 1.0	8	11	9	3	0	0	0	0	0	2	2	8	43	

NORMALS, MEANS, AND EXTREMES VALDEZ (PAVW)

LATITUDE: 61° 7'N **LONGITUDE:** -146° 21'W **ELEVATION (FT):** GRND: 95 BARO: 52 **TIME ZONE:** ALASKA (UTC -9) **WBAN: 26442**

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	26.6	30.0	35.8	44.4	52.9	59.4	62.3	60.8	53.3	43.0	32.7	29.1	44.2
	MEAN DAILY MAXIMUM	86	26.7	28.3	34.5	42.2	51.3	56.3	59.7	58.1	51.2	42.8	31.6	27.3	42.5
	HIGHEST DAILY MAXIMUM	39	54	52	53	69	78	86	85	83	74	58	50	52	86
	YEAR OF OCCURRENCE		2005	1991	1998	2005	1993	1997	1999	2003	1996	1995	2002	2007	JUN 1997
	MEAN OF EXTREME MAXS.	90	40.0	41.1	45.9	56.6	67.2	72.6	75.1	74.7	65.3	53.9	42.4	41.2	56.3
	NORMAL DAILY MINIMUM	30	17.2	19.6	23.8	30.9	38.6	45.0	48.0	46.4	40.9	33.4	23.9	20.2	32.3
	MEAN DAILY MINIMUM	86	14.7	16.2	20.2	27.8	35.8	41.3	45.3	43.6	37.8	31.6	21.5	16.1	29.3
	LOWEST DAILY MINIMUM	39	-20	-10	-6	5	21	31	33	32	25	8	0	0	-6
	YEAR OF OCCURRENCE		1972	1999	1972	1972	1972	1972	1972	1984	1983	1975	2006	1980	JAN 1972
	MEAN OF EXTREME MINS.	90	4.1	7.0	12.4	20.9	32.8	39.2	43.3	40.4	32.2	22.8	12.1	5.8	22.8
	NORMAL DRY BULB	30	21.9	24.8	29.8	37.7	45.8	52.2	55.2	53.6	47.1	38.2	28.3	24.7	38.3
	MEAN DRY BULB	90	19.7	22.2	27.3	35.0	43.6	49.0	52.6	51.0	44.5	37.2	26.6	21.3	35.8
	MEAN WET BULB	22	22.5	24.2	27.4	34.4	42.4	49.1	52.2	50.7	44.9	36.2	27.5	26.0	36.5
	MEAN DEW POINT	22	16.6	18.1	19.9	28.0	36.9	45.1	49.5	48.0	41.6	30.8	21.4	20.6	31.4
	NORMAL NO. DAYS WITH: MAXIMUM >= 70	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MAXIMUM <= 32	30	19.4	13.6	6.1	0.9	0.0	0.0	0.0	0.0	0.0	1.3	12.5	18.4	72.2
MINIMUM <= 32	30	29.5	26.7	28.5	16.7	1.3	0.0	0.0	*	1.3	11.9	27.1	29.7	172.7	
MINIMUM <= 0	30	1.2	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.8	
H/C	NORMAL HEATING DEG. DAYS	30	1336	1126	1091	821	596	383	306	353	537	832	1101	1251	9733
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	0	0	0	0	0	0	0	0	0
RH	NORMAL (PERCENT)	30	74	73	70	72	73	77	82	84	84	75	73	76	76
	HOURLY 03 LST	30	75	74	74	81	85	90	93	93	91	77	74	77	82
	HOURLY 09 LST	30	74	73	70	71	72	77	83	85	86	76	73	77	76
	HOURLY 15 LST	30	72	68	63	61	61	64	70	73	73	67	68	76	68
	HOURLY 21 LST	30	74	74	72	75	73	76	83	87	87	75	73	77	77
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	29	0.7	1.1	0.6	0.3	0.1	0.3	2.7	4.0	1.8	1.2	0.9	0.9	14.6
	THUNDERSTORMS	29	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.4	0.2	0.0	0.1	0.9
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)	25	6.1	6.1	5.3	5.8	6.0	6.3	6.7	6.1	6.3	6.1	6.0	6.3	6.1
	MIDNIGHT-MIDNIGHT (OKTAS)	27	5.8	5.7	5.2	5.6	6.1	6.4	6.7	6.1	6.2	6.2	5.7	5.9	6.0
	MEAN NO. DAYS WITH: CLEAR	25	5.4	5.2	7.8	5.8	4.1	3.2	2.8	4.1	3.3	4.3	5.3	4.5	55.8
	PARTLY CLOUDY	25	4.2	3.1	4.4	5.7	6.7	6.3	4.6	6.3	4.9	3.7	3.6	2.6	56.1
	CLOUDY	25	21.4	19.9	18.8	18.5	20.2	20.5	22.6	19.5	20.6	22.2	20.1	22.6	246.9
PR	MEAN STATION PRESSURE(IN)	22	29.67	29.74	29.76	29.81	29.89	29.93	29.97	29.91	29.79	29.67	29.63	29.61	29.78
	MEAN SEA-LEVEL PRES. (IN)	22	29.71	29.79	29.80	29.85	29.93	29.97	30.01	29.94	29.83	29.71	29.66	29.65	29.82
WINDS	MEAN SPEED (MPH)	22	7.4	7.0	6.9	5.1	5.8	6.0	4.9	4.2	4.3	6.1	7.4	6.6	6.0
	PREVAIL.DIR.(TENS OF DEGS)														
	MAXIMUM 2-MINUTE: SPEED (MPH)	28	58	56	48	46	33	35	39	38	46	40	53	54	58
	DIR. (TENS OF DEGS)		36	34	03	00	34	00	19	01	00	01	00	35	36
	YEAR OF OCCURRENCE		1989	1979	2004	1996	2000	1996	2003	1999	1988	1999	1978	1979	JAN 1989
	MAXIMUM 3-SECOND SPEED (MPH)	31	94	94	82	63	63	62	41	64	69	79	82	82	94
	DIR. (TENS OF DEGS)		36	09	04	36	36	36	27	36	04	36	03	04	09
YEAR OF OCCURRENCE		1980	2001	1995	1996	2006	1999	2007	1999	2003	2009	2006	2007	FEB 2001	
PRECIPITATION	NORMAL (IN)	30	6.02	5.53	4.49	3.55	3.08	3.01	3.84	6.62	9.59	8.58	5.51	7.59	67.41
	MAXIMUM MONTHLY (IN)	39	15.18	14.47	9.99	8.11	6.65	6.05	8.96	18.23	16.69	17.31	20.59	17.34	20.59
	YEAR OF OCCURRENCE		2001	1996	1979	1977	1998	1987	1981	1981	1982	2006	1976	1989	NOV 1976
	MINIMUM MONTHLY (IN)	39	0.01	0.06	0.81	0.57	0.70	0.34	1.25	2.04	2.78	2.49	0.42	1.34	0.01
	YEAR OF OCCURRENCE		1974	2007	1983	1981	1996	2007	1993	2007	1973	1990	1975	1983	JAN 1974
	MAXIMUM IN 24 HOURS (IN)	39	3.75	3.05	2.27	2.08	2.23	1.71	1.98	3.42	3.26	4.80	3.42	4.35	4.80
	YEAR OF OCCURRENCE		1981	1996	2008	2002	1994	1989	1981	1981	1982	2006	1992	1999	OCT 2006
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	17.1	14.9	15.4	14.2	16.6	15.0	16.9	16.7	19.9	18.4	15.0	17.9	198.0
	PRECIPITATION >= 1.00	30	1.5	1.6	0.8	0.5	0.3	0.2	0.3	1.5	2.9	2.3	1.5	2.6	16.0
SNOWFALL	NORMAL (IN)	30	65.3	57.5	56.0	22.0	1.2	0.0	0.0	0.0	0.4	11.9	41.0	74.6	329.9
	MAXIMUM MONTHLY (IN)	39	148.5	180.0	113.9	74.2	24.0	0.0	0.0	0.0	6.0	39.0	108.2	137.1	180.0
	YEAR OF OCCURRENCE		1990	1996	1985	1999	2001				1996	1983	1994	1991	FEB 1996
	MAXIMUM IN 24 HOURS (IN)	33	47.5	38.1	41.5	33.3	15.1	0.0	0.0	0.0	5.4	23.6	28.1	37.3	47.5
	YEAR OF OCCURRENCE		1990	1996	1995	1992	2001				1996	1999	1999	2002	JAN 1990
	MAXIMUM SNOW DEPTH (IN)	34	107	94	104	88	51	0	0	0	2	12	57	60	107
	YEAR OF OCCURRENCE		1990	1990	1990	1990	1977				2004	1982	2010	1994	JAN 1990
	NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	10.9	9.3	10.1	4.5	0.4	0.0	0.0	0.0	0.1	3.0	8.1	12.0	58.4

PRECIPITATION (inches) 2010 VALDEZ (PAVW)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1981	12.53	7.13	6.87	0.57	1.87	4.57	8.96	18.23	6.24	11.80	6.76	7.77	93.30
1982	0.99	1.77	5.42	2.44	1.22	3.27	4.83	2.73	16.69	8.10	5.15	8.96	61.57
1983	3.10	3.24	0.81	7.15	2.06	0.93	6.32	10.53	7.91	14.15	1.94	1.34	59.48
1984	10.55	7.37	3.89	3.06	0.71	3.63	3.99	6.12	5.00	6.01	4.21	6.51	61.05
1985	10.30	5.38	8.20	2.78	4.74	2.09	1.86	7.36	9.98	3.77	2.49	16.87	75.82
1986	7.21	7.34	3.59	1.72	1.86	1.40	5.27	7.64	4.93	8.57	7.15	16.15	72.83
1987	12.42	5.65	1.24	1.63	3.69	6.05	2.84	2.08	10.61	15.33	6.49	8.69	76.72
1988	4.33	9.76	9.52	5.29	2.76	4.04	3.46	12.78	9.31	11.02	2.59	15.11	89.97
1989	6.01	0.57	1.49	5.30	5.99	5.88	3.18	6.66	16.43	9.21	8.06	17.34	86.12
1990	9.51	5.90	7.88	3.08	2.34	3.04	3.14	5.66	16.05	2.49	0.97	7.31	67.37
1991	6.47	6.13	4.50	4.82	4.30	2.02	4.01	5.68	11.07	5.12	3.89	9.58	67.59
1992	9.55	9.01	9.88	2.80	1.88	3.11	3.63	8.96	6.01	10.47	14.25	5.59	85.14
1993	7.06	7.93	2.62	1.57	2.86	1.59	1.25	13.18	16.16	11.90	8.64	10.28	85.04
1994	4.62	2.44	9.81	3.79	6.28	2.58	2.62	3.34	9.94	7.62	7.85	8.41	69.30
1995	5.86	3.23	4.60	2.10	6.29	3.36	4.94	3.04	14.21	3.61	1.41	2.68	55.33
1996	0.23	14.47	3.33	2.49	0.70	2.81	4.91	7.78	6.63	4.70	1.46	1.42	50.93
1997	4.91	8.40	1.33	1.53	3.50	2.94	2.45	13.34	10.55	3.59	7.16	8.45	68.15
1998	2.67	2.77	2.58	6.57	6.65	4.15	3.20	8.07	8.71	7.93	1.71	2.64	57.65
1999	5.14	2.14	4.70	7.27	1.87	2.14	2.78	3.97	11.37	11.89	2.20	16.96	72.43
2000	9.78	6.22	4.71	2.29	2.21	1.32	3.26	3.84	7.58	7.89	7.05	6.20	62.35
2001	15.18	6.87	6.21	5.08	3.61	1.08	6.09	3.85	5.97	7.10	2.68	5.89	69.61
2002	9.00	5.54	1.32	4.22	2.22	3.07	3.36	10.71	8.41	15.40	15.06	5.81	84.12
2003	3.86	14.23	1.70	1.42	3.57	4.43	4.27	8.34	4.76	7.18	4.65	6.60	65.01
2004	3.21	5.28	4.23	3.48	2.23	1.23	3.36	2.58	15.23	8.41	9.56	10.74	69.54
2005	5.50	6.55	8.67	3.96	1.66	1.73	5.29	5.94	9.30	4.00	10.30	12.94	75.84
2006	2.31	7.02	1.73	4.47	2.32	2.63	2.60	14.95	7.94	17.31	0.47	7.16	70.91
2007	8.72	0.06	1.26	2.25	1.83	0.34	3.22	2.04	10.95	5.61	9.29	2.62	48.19
2008	3.40	5.66	7.67	4.10	2.75	1.94	5.83	4.23	9.62	6.62	5.57	4.00	61.39
2009	10.66	2.03	2.07	0.97	0.85	1.35	4.44	9.27	5.13	4.15	4.94	10.66	56.52
2010	2.16	3.69	4.36	4.29	1.49	2.88	5.76	6.12	5.64	6.02	5.31	4.44	52.16
POR= 90 YRS	5.57	5.25	4.29	3.16	2.81	2.49	3.95	6.19	8.82	8.03	6.11	6.19	62.86

WBAN : 26442

AVERAGE TEMPERATURE (°F) 2010 VALDEZ (PAVW)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1981	33.5	26.8	34.2	37.5	49.7	52.3	53.3	51.4	46.4	39.4	27.3	24.5	39.7
1982	15.4	23.6	29.3	35.5	45.0	51.7	54.1	54.1	46.4	34.1	27.3	26.0	36.9
1983	20.7	28.1	31.8	37.3	46.2	53.7	55.2	52.0	45.0	37.9	30.1	24.8	38.6
1984	24.1	26.3	35.1	38.6	47.2	52.6	54.5	54.3	47.8	39.3	27.0	26.1	39.4
1985	32.9	20.1	29.3	32.6	42.4	48.5	53.9	50.9	46.1	34.4	21.7	29.8	36.9
1986	28.0	27.5	27.7	32.1	46.1	52.0	55.3	50.8	48.3	40.6	27.7	31.1	38.9
1987	28.2	30.9	28.8	38.1	45.9	49.4	55.6	55.1	46.6	39.7	33.5	26.8	39.9
1988	25.2	28.1	33.5	38.2	45.6	52.2	54.6	52.5	46.5	38.8	28.3	27.2	39.2
1989	15.7	23.7	30.2	39.6	46.4	52.2	57.8	54.6	48.3	38.1	23.5	30.2	38.4
1990	21.0	15.5	32.6	40.3	47.5	53.9	55.6	54.5	47.7	38.7	22.0	23.6	37.7
1991	23.7	28.8	30.6	39.0	45.6	53.8	53.8	53.8	47.3	39.0	30.4	27.6	39.5
1992	29.4	25.2	29.5	38.4	45.9	53.4	55.3	51.4	43.3	35.6	31.1	23.0	38.5
1993	21.9	28.4	32.2	41.8	50.2	54.4	58.7	54.2	46.1	40.8	30.7	28.7	40.7
1994	24.8	21.2	30.7	39.3	45.3	53.9	55.2	56.4	47.8	39.3	23.9	24.7	38.5
1995	24.3	26.5	26.7	41.6	47.4	53.3	54.4	54.1	49.4	40.5	30.0	23.7	39.3
1996	15.8	24.3	32.8	38.5	49.9	54.8	56.2	53.8	46.4	34.7	25.1	25.2	38.1
1997	22.2	31.9	29.4	40.2	49.4	56.7	57.3	55.4	49.6	37.2	33.2	28.1	40.9
1998	23.6	31.5	32.5	39.2	45.1	53.3	56.0	52.4	48.0	39.0	30.8	24.3	39.6
1999	20.6	18.3	29.2	37.7	46.0	54.3	57.2	55.7	47.1	38.0	28.4	23.7	38.0
2000	21.7	29.4	32.8	38.4	46.8	53.3	54.0	54.7	48.3	38.2	31.9	28.7	39.9
2001	31.3	28.8	31.1	37.6	44.1	54.7	54.2	54.2	47.3	36.1	27.0	21.3	39.0
2002	27.0	26.1	27.5	35.3	47.6	53.5	55.8	53.5	48.6	42.6	37.9	28.2	40.3
2003	28.2	31.1	29.1	40.8	47.9	53.5	57.6	53.6	49.4	41.8	26.8	27.1	40.6
2004	18.6	29.6	29.8	38.7	49.7	56.7	57.2	57.8	45.9	40.1	30.7	27.5	40.2
2005	24.7	26.3	34.1	40.6	49.1	56.0	56.6	55.3	48.7	39.1	25.5	28.7	40.4
2006	20.0	25.1	27.8	36.6	48.0	53.7	54.9	51.7	47.4	38.8	19.8	27.6	37.6
2007	1.3	22.4	20.5	39.4	46.7	53.9	55.7	55.4	48.9	36.7	31.5	25.4	36.5
2008	-2.1	22.5	30.2	35.3	45.9	50.2	52.7	52.4	46.3	34.6	28.3	22.3	34.9
2009	-2.2	24.0	27.9	38.1	49.2	53.4	57.3	52.9	47.9	41.5	26.1	-2.2	34.5
2010	25.4	29.8	32.2	38.3	48.0	52.4	53.1	53.7	47.9	38.7	32.5	20.3	39.4
POR= 90 YRS	19.7	22.2	27.3	35.0	43.6	49.0	52.6	51.0	44.6	37.2	26.6	21.3	35.8

HEATING DEGREE DAYS (base 65°F) 2010 VALDEZ (PAVW)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84	297	397	595	830	1039	1237	1260	1119	919	787	547	366	9393
1984-85	316	326	510	789	1134	1202	989	1252	1101	967	693	485	9764
1985-86	338	429	561	942	1294	1085	1140	1041	1150	979	577	384	9920
1986-87	295	433	494	752	1112	1046	1134	950	1115	799	589	464	9183
1987-88	295	298	546	778	939	1180	1229	1066	967	798	596	379	9071
1988-89	313	379	548	802	1097	1166	1521	1151	1072	757	569	377	9752
1989-90	219	316	496	829	1236	1072	1357	1378	995	733	534	327	9492
1990-91	288	320	510	805	1282	1277	1271	1009	1058	771	595	329	9515
1991-92	340	343	525	802	1028	1152	1100	1152	1093	792	583	343	9253
1992-93	296	412	644	903	1009	1296	1329	1018	1010	689	453	312	9371
1993-94	199	329	559	744	1022	1116	1238	1217	1058	764	607	327	9180
1994-95	299	261	508	791	1225	1243	1255	1073	1178	697	537	346	9413
1995-96	323	332	462	755	1046	1274	1518	1175	987	786	461	299	9418
1996-97	264	341	553	932	1190	1232	1321	923	1096	736	477	249	9314
1997-98	233	291	454	859	946	1136	1276	935	1002	768	611	347	8858
1998-99	273	383	503	802	1020	1254	1371	1301	1103	813	577	314	9714
1999-00	242	281	530	832	1089	1275	1335	1027	991	792	552	343	9289
2000-01	335	311	495	822	986	1118	1039	1007	1044	816	643	304	8920
2001-02	330	328	521	889	1132	1349	1169	1082	1154	885	533	340	9712
2002-03	279	349	485	690	804	1134	1134	946	1107	720	523	335	8506
2003-04	228	348	458	711	1138	1169	1429	1022	1085	780	470	243	9081
2004-05	235	220	568	763	1021	1154	1240	1079	952	727	487	264	8710
2005-06	252	292	480	796	1179	1121	1389	1113	1146	845	521	352	9486
2006-07	304	406	520	803	1349	1153	1290	1187	1373	759	562	326	10032
2007-08	281	294	477	870	999	1220	1392	1226	1072	881	586	436	9734
2008-09	371	382	552	935	1092	1317	1395	1143	1143	801	484	342	9957
2009-10	234	365	505	726	1159	1395	1223	977	1008	794	520	368	9274
2010-	363	345	505	810	967	1379							
2010-11	363	1223	505	810	1223	1379	1267	1165	1141	784	500	355	10715
2011-	278	389	525	789	1263	1267							

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COOLING DEGREE DAYS (base 65°F) 2010 VALDEZ (PAVW)

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	1	0	0	0	0	1
1984	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	12	0	0	0	0	0	12
1988	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	1	0	0	0	0	0	1
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	11	3	0	0	0	0	14
1994	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	6	0	0	0	0	0	0	6
1998	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	6	0	0	0	0	0	6
2000	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	0	0	0	0	0	2	0	0	0	0	0	0	2
2003	0	0	0	0	0	0	5	1	0	0	0	0	6
2004	0	0	0	0	0	0	1	4	0	0	0	0	5
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	2	0	0	0	0	2
2008	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	2	0	0	0	0	0	2
2010	0	0	0	0	0	0	0	0	0	0	0	0	0

SNOWFALL (inches) 2010 VALDEZ (PAVW)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84	0.0	0.0	0.0	39.0	17.8	24.7	80.5	100.8	15.6	17.6	0.0	0.0	296.0
1984-85	0.0	0.0	0.0	0.5	29.3	60.8	37.9	59.5	113.9	31.1	5.8	0.0	338.8
1985-86	0.0	0.0	0.0	2.4	32.0	55.1	91.9	47.7	50.1	20.7	0.0	0.0	299.9
1986-87	0.0	0.0	0.0	1.2	55.9	95.2	128.0	84.2	10.1	10.1	0.0	0.0	384.7
1987-88	0.0	0.0	0.0	0.8	48.1	85.6	33.4	79.2	86.5	19.9	0.0	0.0	353.5
1988-89	0.0	0.0	0.0	8.6	37.5	110.0	109.6	8.9	22.6	15.6	0.0	0.0	312.8
1989-90	0.0	0.0	0.0	19.2	76.1	123.3	158.5	84.0	79.0	20.6	0.0	0.0	560.7
1990-91	0.0	0.0	0.0	5.1	16.7	91.9	66.5	68.3	69.1	9.5	T	0.0	327.1
1991-92	0.0	0.0	0.0	6.4	59.9	137.1	86.5	85.7	100.2	38.9	1.9	0.0	516.6
1992-93	0.0	0.0	4.6	9.4	57.0	47.7	90.4	85.4	47.6	1.3	0.0	0.0	343.4
1993-94	0.0	0.0	0.0	4.4	75.6	86.5	42.7	13.5	95.6	23.1	0.2	0.0	341.6
1994-95	0.0	0.0	0.0	10.9	108.2	124.5	65.4	17.4	61.6	2.4	6.5	0.0	396.9
1995-96	0.0	0.0	0.0	2.0	5.8	9.3	4.1	180.0	45.5	20.6	0.0	0.0	267.3
1996-97	0.0	0.0	6.0	30.1	22.2	16.6	68.1	59.1	25.1	3.4	0.0	0.0	230.6
1997-98	0.0	0.0	0.0	15.1	35.7	97.1	43.5	35.2	20.0	20.1	10.7	0.0	277.4
1998-99	0.0	0.0	T	1.0	17.0	50.1	86.4	36.3	73.9	74.2	2.1	0.0	341.0
1999-00	0.0	0.0	0.0	34.5	40.0	92.8	116.2	48.2	38.5	5.4	1.4	0.0	377.0
2000-01	0.0	0.0	0.0	22.4	39.9	38.5	107.0	63.6	39.7	56.2	24.0	0.0	391.3
2001-02	0.0	0.0	0.0	26.0	24.1	66.8	80.4	107.4	26.6	41.6	T	0.0	372.9
2002-03	0.0	0.0	0.0	0.2	7.1	76.0	48.4	92.6	22.8	T	3.3	0.0	250.4
2003-04	0.0	0.0	0.0	0.0	33.2	93.2	70.3	56.4	72.4	28.2	0.0	0.0	353.7
2004-05	0.0	0.0	4.0	8.8	69.6	69.8	41.0	72.0	33.4	9.1	0.0	0.0	307.7
2005-06	0.0	0.0	0.0	3.3	74.4	36.8	31.8	34.1	22.7	34.4	T	0.0	237.5
2006-07	0.0	0.0	0.0	4.7	9.4	92.9	142.7	0.6	24.7	0.2	0.0	0.0	275.2
2007-08	0.0	0.0	0.0	3.1	40.7	38.4	59.3	54.5	49.9	25.5	0.0	0.0	271.4
2008-09	0.0	0.0	0.0	17.5	67.5	42.6	52.7	43.9	36.0	6.3	0.0	0.0	266.5
2009-10	0.0	0.0	0.0	0.0	64.4	52.7	47.9	39.0	48.1	24.8	0.0	0.0	276.9
2010-	0.0	0.0	T	6.2	3.7	73.1							
2010-11	0.0	47.9	T	6.2	47.9	73.1	42.7	51.2	6.4	32.2	0.0	0.0	307.6
2011-	0.0	0.0	0.0	5.0	66.4	42.7							
POR= 71 YRS	0.0	0.0	0.3	9.2	35.5	58.4	58.2	53.0	41.5	17.3	1.9	0.1	275.4

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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 (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 EIGHTHS(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: https://mi3.ncdc.noaa.gov/mi3qry/login.cfm SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p>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.</p>
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2010 VALDEZ ALASKA (PAVW)

Valdez is located on the Valdez Arm, a rather well sheltered extension of Prince William Sound. Snow-capped mountains, containing extensive glacier areas, extend almost continuously from southeast of Valdez through north to west-southwest, with rugged but normally unglaciated mountains to the south and southwest. Active glaciers extend to within 5 to 10 miles of Valdez to the north and reach down to the level of the glacial plain on which Valdez is located. This level glacial plain is for the most part a well forested area except for the tidal marshes east and the glacial drainage area further east.

The terrain surrounding Valdez exerts a pronounced influence on practically all aspects of the local weather and climate. The effects of the surrounding mountains are to channel the local winds. From October through April the prevailing direction is northeast, and from May through September the prevailing direction is from the southwest. During the winter, high pressure in the interior and low pressure in the gulf may cause east to north winds of about 100 knots to flow out of passes and river canyons.

Precipitation is abundant the year around, but builds up noticeably during late summer and fall. The heaviest precipitation usually occurs in September and October, and almost one-third of the total annual rainfall occurs in these two months. Snowfall during the winter months is very heavy.

There is considerable cloudiness during the entire year, but slightly less than is realized at Alaskan points farther southeast.

Although the high mountain ridges to the north provide a considerable barrier to the flow of cold, continental air from the interior during the winter months, there is a definite offsetting factor in the downslope drainage from the snowfields and glacier areas on the southern slopes of these mountains. The coldest temperatures realized at Valdez appear to be related to the downslope flow of cold air, although temperatures only rarely dip below zero. The nearby snow and ice fields combine with the ocean areas to provide a moderating effect on the summertime high temperatures which have seldom reached the middle 80s. Considerable variations occur in practically all weather elements within relatively short distances.

The growing season averages slightly over 100 days, extending from May 26 to September 12. In addition, the glacier nature of the plain, the ruggedness of other surrounding terrain, and the cold water runoff from glacier melt tends to keep most available agricultural soil at temperatures too cool for desirable vegetation development during the growing season.

Station History

VALDEZ, AK

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
VALDEZ WSO	1975-01-08	1977-03-16	61° 7'	-146° 21'	23		COOP, WXSVC
VALDEZ WSO	1985-04-29	2005-07-14	61° 7'	-146° 21'	23		COOP, WXSVC
VALDEZ MUNICIPAL AP	1964-05-16	1969-12-11	61° 7'	-146° 15'	60	1.1 MI NE	AIRWAYS, COOP
VALDEZ WSO	1973-10-01	1975-01-07	61° 7'	-146° 21'	28	100 FT S	COOP, WXSVC
VALDEZ MUNICIPAL AP	1971-02-04	1972-10-11	61° 7'	-146° 15'	60		AIRWAYS, COOP
VALDEZ WSO	2007-01-11	2010-10-21	61° 7'	-146° 21'	35		COOP, UNKNOWN, WXSVC
VALDEZ WSO	1972-10-11	1973-10-01	61° 7'	-146° 21'	87	3.25 MI E	COOP, WXSVC
VALDEZ WSO	1975-01-07	1975-01-08	61° 7'	-146° 21'	23	.25 MI SE	COOP, WXSVC
VALDEZ WSO	1977-03-16	1985-04-29	61° 7'	-146° 21'	37	.25 MI WSW	COOP, WXSVC
VALDEZ WSO	2005-07-14	2007-01-11	61° 7'	-146° 21'	26	.2 MI N	COOP, UNKNOWN, WXSVC
VALDEZ WSO	2010-10-21	Present	61° 7'	-146° 21'	95		COOP, UNKNOWN, WXSVC

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
TEMP	1971-02-04	1972-10-11	DAILY	0745	MXMN		
PRECIP	2005-07-14	2007-01-11	DAILY	VAR			
TEMP	2007-01-11	2010-10-21	DAILY	2400	MXMN		
TEMP	1964-05-16	1969-12-11	DAILY	1600	MXMN		
PRECIP	2005-07-14	2007-01-11	DAILY	2400			
SNOWWTREQ	2007-01-11	2010-10-21	DAILY	0800	FEDERAL		
SNOWWTREQ	2010-10-21	Present	DAILY	0800	FEDERAL		
SNOWDEPTH	2007-01-11	2010-10-21	DAILY	2400	SNWSTK		
PRECIP	1971-02-04	1972-10-11	DAILY	0745	SRG		
TEMP	2005-07-14	2007-01-11	DAILY	2400	MXMN		
PRECIP	2010-10-21	Present	DAILY	2200	SRG		
PRECIP	1964-05-16	1969-12-11	DAILY	1600	SRG		
SNOWDEPTH	2005-07-14	2007-01-11	DAILY	2400	SNWSTK		
PRECIP	2007-01-11	2010-10-21	DAILY	2400	SRG		
SNOWDEPTH	2010-10-21	Present	DAILY	2200	SNWSTK		
TEMP	1972-10-11	2005-07-14	DAILY	2400	HTG		
PRECIP	1972-10-11	2005-07-14	DAILY	2400	SRG		
PRECIP	2007-01-11	2010-10-21	DAILY	VAR	SRG		
TEMP	2010-10-21	Present	DAILY	2200	MXMN		

* For explanation of codes and abbreviations see Station Metadata link below.

Other Station Information can be found at:

ASOS Implementation by NWS: <http://www.nws.noaa.gov/ops2/Surface/asosimplementation.htm>

Station Metadata website: <http://www.ncdc.noaa.gov/homr>

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