

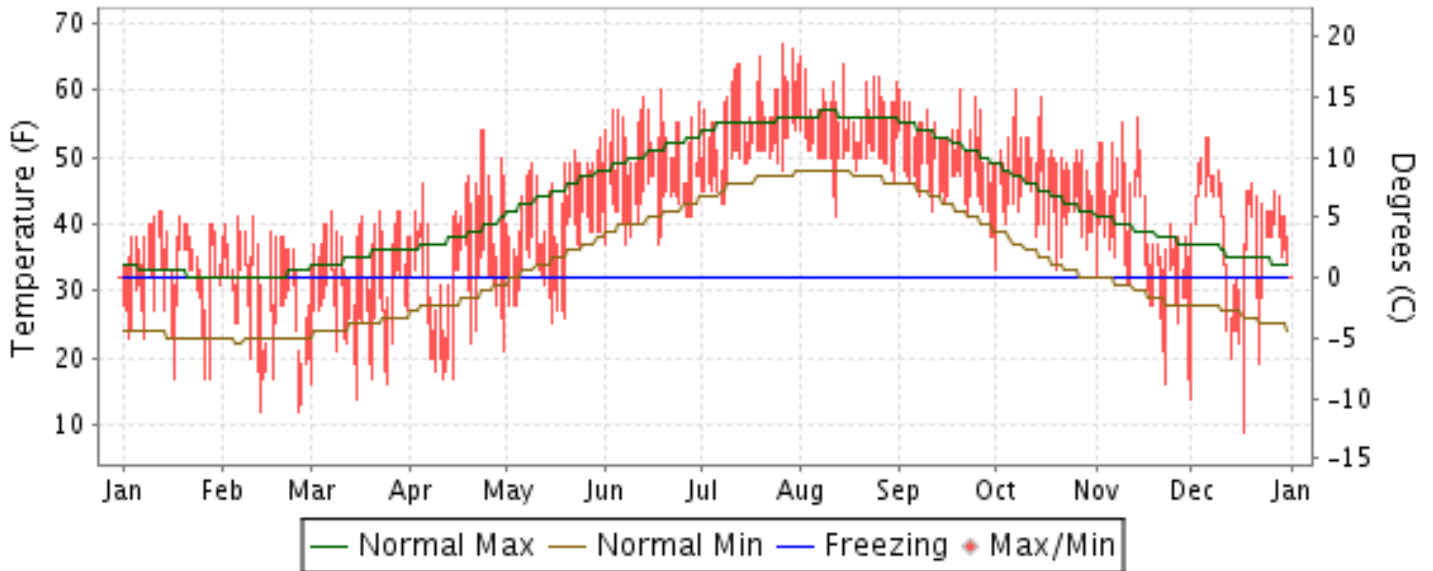


2013 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

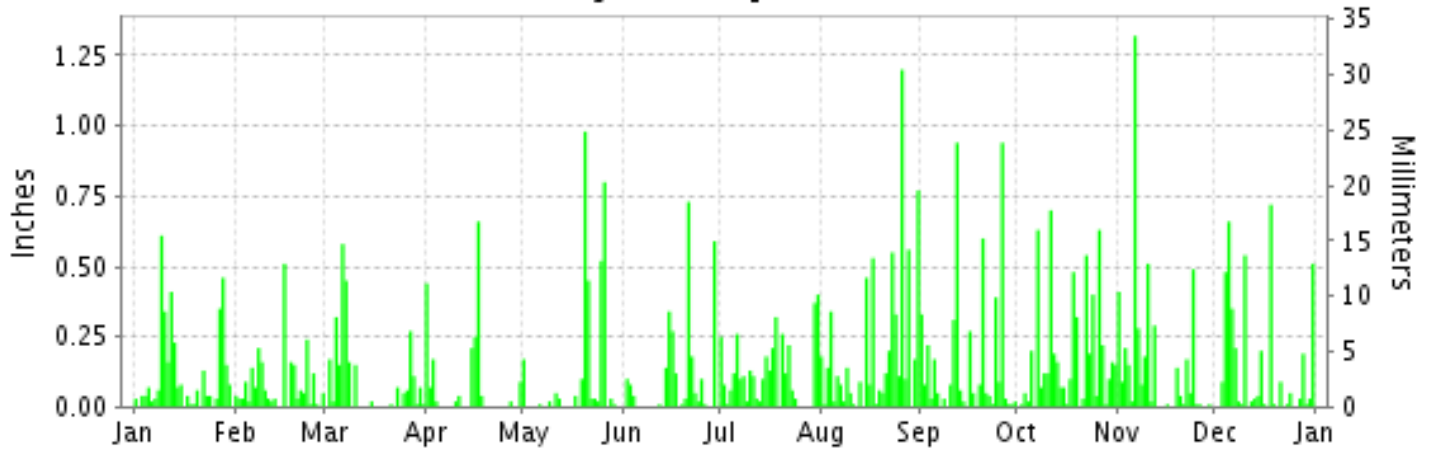
ISSN 0197-968X

COLD BAY, ALASKA (PACD)

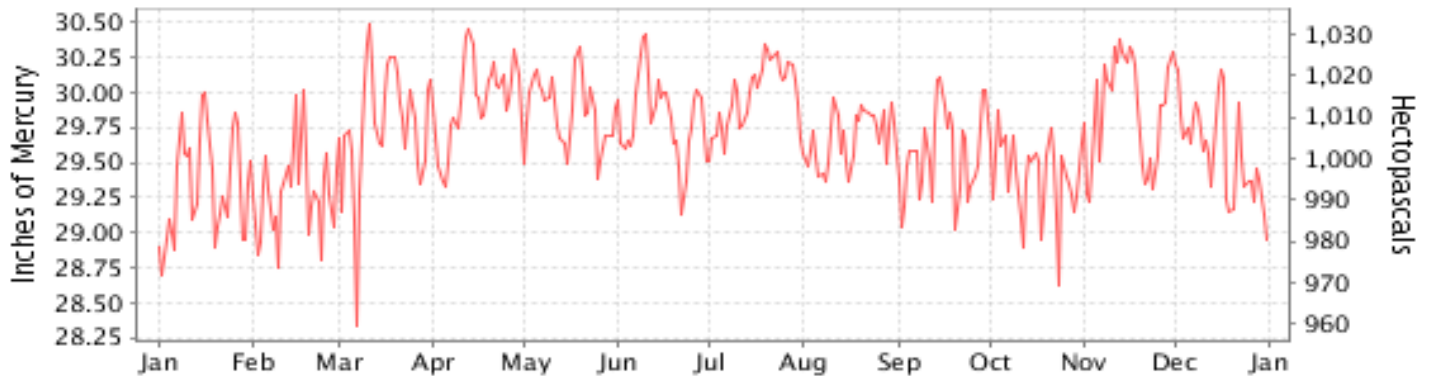
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
OCEANIC AND
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NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2013

COLD BAY (PACD)

LATITUDE: 55° 13'N LONGITUDE: 162° 43'W ELEVATION (FT): GRND: 78 BARO: 98 TIME ZONE: ALASKA (UTC -9) WBAN: 25624

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	36.9	33.4	36.4	39.7	44.6	53.0	58.4	58.0	53.9	50.7	42.8	41.9	45.8	
	HIGHEST DAILY MAXIMUM	42	41	42	54	53	60	67	65	60	60	56	53	67	
	DATE OF OCCURRENCE	13+	11+	29+	24+	30	18	26	01	20+	07	14	06+	JUL 26	
	MEAN DAILY MINIMUM	28.8	24.9	25.1	27.8	34.1	42.5	49.4	49.8	45.1	41.2	33.0	34.2	36.3	
	LOWEST DAILY MINIMUM	17	12	14	17	25	37	43	41	38	33	16	9	9	
	DATE OF OCCURRENCE	28+	25+	15	14+	15	17+	08+	12	30+	20+	23	17	DEC 17	
	AVERAGE DRY BULB	32.9	29.2	30.8	33.8	39.4	47.8	53.9	53.9	49.5	46.0	37.9	38.0	41.1	
	MEAN WET BULB	32.0	27.5	29.3	30.8	36.1	45.0	50.7	51.2	46.9	43.2	35.9	36.4	38.8	
	MEAN DEW POINT	29.3	24.1	25.5	26.1	32.2	42.4	49.0	49.6	43.9	39.7	32.0	33.1	35.6	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 70	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MAXIMUM <= 32°	3	9	7	7	6	0	0	0	0	0	0	5	37	
	MINIMUM <= 32°	21	24	29	21	13	0	0	0	0	0	14	10	132	
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	988	997	1054	928	788	509	336	335	458	581	806	830	8610	
	COOLING DEGREE DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	
RH	MEAN (PERCENT)	84	82	80	75	78	85	88	87	81	79	78	81	82	
	HOUR 03 LST	85	82	82	80	84	90	91	90	82	80	80	82	84	
	HOUR 09 LST	85	81	83	79	80	87	89	89	85	79	79	82	83	
	HOUR 15 LST	82	81	75	67	71	76	83	82	77	75	74	79	77	
	HOUR 21 LST	86	81	81	76	77	85	87	90	82	80	78	81	82	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	1	3	1	2	4	5	5	0	1	1	1	1	25	
	THUNDERSTORMS	0	0	0	0	0	0	0	0	0	0	0	0	0	
PR	MEAN STATION PRESS. (IN.)	29.35	29.30	29.77	29.95	29.85	29.82	29.98	29.68	29.57	29.40	29.88	29.60	29.68	
	MEAN SEA-LEVEL PRESS. (IN.)	29.47	29.41	29.89	30.06	29.96	29.95	30.10	29.79	29.68	29.51	30.00	29.72	29.80	
WINDS	RESULTANT SPEED (MPH)	4.3	3.0	0.8	5.9	1.4	4.9	7.4	6.3	6.7	8.5	5.7	9.0	1.3	
	RES. DIR. (TENS OF DEGS.)	13	31	15	02	04	16	17	27	28	18	30	12	19	
	MEAN SPEED (MPH)	16.2	14.0	13.2	0.5	14.2	15.7	15.0	14.5	15.5	17.2	15.4	19.3	14.2	
	PREVAIL.DIR.(TENS OF DEGS.)	14	14	14	36	14	14	14	27	32	14	02	14	14	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	49	46	52	46	51	55	39	37	56	64	48	49	64	
	DIR. (TENS OF DEGS.)	14	28	12	10	16	14	14	32	14	16	15	13	16	
	DATE OF OCCURRENCE	11	19	06	04	21	21	16	06	11	07	06	03	OCT 07	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	66	54	64	61	60	67	51	44	63	81	60	61	81	
DIR. (TENS OF DEGS.)	13	28	11	09	13	14	15	12	13	15	15	13	15		
DATE OF OCCURRENCE	11	19	06	04	25	21	18	13	11	07	06	03	OCT 07		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	3.59	2.32	2.68	2.03	3.29	2.82	3.70	6.49	4.91	5.79	4.50	4.31	46.43	
	GREATEST 24-HOUR (IN.)	0.75	0.51	0.92	0.70	1.04	0.81	0.77	1.20	1.18	0.75	1.37	0.93	1.37	
	DATE OF OCCURRENCE	27-28	16	06-07	17-18	20-21	21-22	30-31	26	11-12	11-12	06-07	05-06	NOV 06-07	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	26	24	18	12	16	17	25	28	26	28	22	23	265		
PRECIPITATION 0.10	9	8	9	5	6	9	17	17	9	18	11	9	127		
PRECIPITATION 1.00	0	0	0	0	0	0	0	1	0	0	1	0	2		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	18.4	11.1	10.5	2.1	0.3	0.0	0.0	0.0	T	0.0	3.6	7.3	53.3	
	GREATEST 24-HOUR (IN.)	9.9	1.6	3.8	1.2	0.3	0.0	0.0	0.0	T	0.0	2.6	3.9	9.9	
	DATE OF OCCURRENCE	28	09	08	01	12	0	0	0	30	0	22	15	JAN 28	
	MAXIMUM SNOW DEPTH (IN.)	8	2	3	T	0	0	0	0	0	0	3	6	8	
	DATE OF OCCURRENCE	28	28+	09+	13+							23	17+	JAN 28	
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0	2	5	4	1	0	0	0	0	0	0	1	2	15		

NORMALS, MEANS, AND EXTREMES COLD BAY (PACD)

LATITUDE:
55° 13'N

LONGITUDE:
162° 43'W

ELEVATION (FT):
GRND: 78 BARO: 98

TIME ZONE:
ALASKA (UTC -9)

WBAN: 25624

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	32.9	33.7	35.1	39.0	45.6	51.2	55.3	56.5	52.9	45.5	39.1	35.6	43.5
	MEAN DAILY MAXIMUM	63	32.6	32.7	34.3	38.1	44.9	50.4	55.0	56.0	52.2	44.9	38.8	34.8	42.9
	HIGHEST DAILY MAXIMUM	69	51	50	56	60	68	72	77	78	76	69	59	54	78
	YEAR OF OCCURRENCE		1993	1991	1974	1948	2006	2001	1960	1948	1985	1964	1986	1990	AUG 1948
	MEAN OF EXTREME MAXS.	63	42.9	42.7	44.3	47.9	54.9	60.0	64.6	65.3	59.8	54.5	48.6	44.8	52.5
	NORMAL DAILY MINIMUM	30	23.6	24.3	25.1	29.0	35.0	41.4	46.4	47.7	43.3	35.4	30.0	26.6	34.0
	MEAN DAILY MINIMUM	63	23.5	23.4	24.3	28.5	34.8	40.8	46.0	47.3	42.9	35.2	29.8	25.8	33.5
	LOWEST DAILY MINIMUM	70	-13	-9	-13	4	18	27	33	32	26	6	1	-1	-13
	YEAR OF OCCURRENCE		2000	1947	1971	1976	2012	2007	1982	1999	1992	1999	1963	2006	JAN 2000
	MEAN OF EXTREME MINS.	63	6.1	6.7	9.3	17.2	26.0	34.0	40.3	39.9	33.2	24.8	17.6	10.6	22.1
	NORMAL DRY BULB	30	28.2	29.0	30.1	34.0	40.3	46.3	50.9	52.1	48.1	40.4	34.5	31.1	38.8
	MEAN DRY BULB	63	28.1	28.1	29.3	33.3	39.9	45.8	50.5	51.7	47.6	40.1	34.4	30.3	38.3
	MEAN WET BULB	30	26.7	27.4	27.1	31.0	36.8	43.1	48.1	49.5	45.4	38.1	32.3	29.4	36.2
	MEAN DEW POINT	30	25.4	26.1	25.6	29.5	35.4	42.1	47.3	48.7	44.4	36.7	31.1	28.3	35.1
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	10.8	8.6	8.6	3.7	0.2	0.0	0.0	0.0	0.0	0.1	3.6	7.2	42.8	
MINIMUM <= 32	30	24.2	21.9	23.7	19.5	7.5	0.5	0.0	0.0	0.3	7.7	18.1	21.4	144.8	
MINIMUM <= 0	30	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	
H/C	NORMAL HEATING DEG. DAYS	30	1139	1008	1082	930	766	561	439	400	507	761	913	1051	9557
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	0	0	0	0	0	0	0	0	0
RH	NORMAL (PERCENT)	30	85	85	84	83	83	86	89	89	86	83	84	85	85
	hour 03 LST	30	86	86	86	87	89	92	94	94	90	86	85	86	88
	hour 09 LST	30	85	86	86	85	85	87	91	91	88	85	85	86	87
	hour 15 LST	30	83	82	78	77	75	78	82	83	80	77	82	84	80
	hour 21 LST	30	86	85	85	85	84	86	89	91	88	85	85	86	86
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH: HEAVY FOG (VISBY <= 1/4 MI)	50	2.1	1.5	2.3	1.5	1.5	2.0	3.3	3.3	0.9	0.3	0.7	1.6	21.0
	THUNDERSTORMS	58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.2
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)	43	6.6	6.7	6.6	7.2	7.3	7.4	7.5	7.6	7.3	7.0	6.8	6.8	7.1
	MIDNIGHT-MIDNIGHT (OKTAS)	34	6.5	6.6	6.6	7.1	7.3	7.4	7.5	7.6	7.2	6.8	6.7	6.7	7.0
	MEAN NO. DAYS WITH: CLEAR	43	2.4	1.9	2.1	0.6	0.5	0.4	0.2	0.2	0.3	0.7	1.1	1.6	12.0
	PARTLY CLOUDY	43	5.4	4.6	5.9	3.8	3.2	2.7	2.3	1.9	3.5	5.1	5.4	5.2	49.0
	CLOUDY	43	23.1	21.8	23.1	25.6	27.3	26.9	27.9	28.3	25.6	24.7	23.0	23.6	300.9
PR	MEAN STATION PRESSURE (IN)	30	29.41	29.48	29.59	29.66	29.74	29.76	29.82	29.81	29.63	29.56	29.53	29.37	29.61
	MEAN SEA-LEVEL PRES. (IN)	30	29.55	29.61	29.71	29.78	29.85	29.88	29.97	29.93	29.74	29.67	29.66	29.51	29.74
WINDS	MEAN SPEED (MPH)	30	16.7	17.4	16.7	16.1	15.8	15.3	14.7	15.3	15.8	16.2	17.4	17.5	16.2
	PREVAIL. DIR. (TENS OF DEGS)	33	14	14	15	15	15	15	15	15	15	15	34	14	15
	MAXIMUM 2-MINUTE: SPEED (MPH)	15	68	71	62	67	60	56	53	47	56	64	66	60	71
	DIR. (TENS OF DEGS)		15	13	15	17	15	13	14	14	14	16	12	12	13
	YEAR OF OCCURRENCE		2007	2000	2003	2011	2011	2005	2001	2005	2013	2013	2000	2000	FEB 2000
	MAXIMUM 3-SECOND SPEED (MPH)	15	83	79	75	92	76	67	63	60	67	81	85	76	92
	DIR. (TENS OF DEGS)		15	13	15	17	14	14	14	14	14	15	24	12	17
	YEAR OF OCCURRENCE		2007	2000	2003	2011	2011	2013	2008	2000	2007	2013	2011	2009	APR 2011
PRECIPITATION	NORMAL (IN)	30	3.16	2.98	2.70	2.42	2.60	2.72	2.48	3.68	4.73	4.76	4.98	4.46	41.67
	MAXIMUM MONTHLY (IN)	68	8.46	7.87	7.13	6.55	6.84	8.35	6.13	9.97	9.79	10.17	12.22	13.94	13.94
	YEAR OF OCCURRENCE		1948	1944	2012	1979	2002	2000	1982	1951	1965	2000	2000	2000	DEC 2000
	MINIMUM MONTHLY (IN)	68	0.60	0.08	0.41	0.02	0.54	0.12	0.28	1.10	0.91	1.43	1.15	0.19	0.02
	YEAR OF OCCURRENCE		1956	1950	1972	1948	1992	1962	1950	1975	1952	1997	1975	1956	APR 1948
	MAXIMUM IN 24 HOURS (IN)	68	3.18	2.95	2.35	2.19	2.30	3.20	1.77	2.17	3.43	4.90	3.78	3.63	4.90
	YEAR OF OCCURRENCE		1999	1996	2002	1993	2000	1996	1986	1951	1965	1968	2000	2000	OCT 1968
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	21.2	19.2	19.5	19.0	17.9	18.1	18.4	21.3	22.5	24.6	24.0	23.6	249.3
	PRECIPITATION >= 1.00	30	0.4	0.2	0.1	0.2	0.3	0.2	0.1	0.6	0.6	0.5	0.6	0.7	4.5
SNOWFALL	NORMAL (IN)	30	14.1	12.9	13.0	6.6	1.3	0.0	0.0	0.0	0.0	2.4	10.2	12.6	73.1
	MAXIMUM MONTHLY (IN)	62	57.1	54.3	44.6	19.5	9.3	0.5	T	T	0.2	15.6	27.4	30.0	57.1
	YEAR OF OCCURRENCE		2000	1984	1999	1976	1971	1971	1976	1998	1972	1968	1983	1997	JAN 2000
	MAXIMUM IN 24 HOURS (IN)	62	18.0	17.7	10.1	9.0	4.0	2.6	T	T	0.2	11.4	21.4	9.4	21.4
	YEAR OF OCCURRENCE		1982	1984	1994	2001	1986	1971	1976	1998	1972	1968	1983	1975	NOV 1983
	MAXIMUM SNOW DEPTH (IN)	56	46	35	32	28	3	0	0	0	0	13	12	23	46
	YEAR OF OCCURRENCE		2000	2000	1999	1999	1971					1968	1975	1997	JAN 2000
	NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	4.6	3.8	4.2	1.9	0.4	0.0	0.0	0.0	0.0	0.6	3.4	4.9	23.8

PRECIPITATION (inches) 2013 COLD BAY (PACD)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	2.30	2.82	1.56	1.79	1.20	1.45	1.77	1.48	2.87	3.64	7.61	3.19	31.68
1985	3.29	2.42	2.85	1.01	2.45	2.19	2.27	5.47	7.14	6.59	7.72	4.95	48.35
1986	2.05	2.23	0.55	1.12	2.02	1.91	2.48	2.63	7.37	3.03	5.08	4.94	35.41
1987	3.17	3.15	3.18	1.94	1.52	4.00	1.80	2.56	4.25	5.60	3.17	3.69	38.03
1988	3.70	2.91	0.89	1.81	2.70	1.69	1.12	3.03	3.90	3.28	3.97	6.37	35.37
1989	1.68	4.02	0.52	2.20	2.21	2.48	1.40	3.20	7.77	4.39	2.60	3.81	36.28
1990	3.99	2.18	1.84	1.16	3.23	1.38	2.13	2.89	6.55	4.21	2.06	5.96	37.58
1991	2.74	2.95	4.33	1.96	2.47	3.78	0.45	4.17	5.82	5.83	1.55	3.32	39.37
1992	1.57	0.68	1.22	0.26	0.54	3.27	2.36	2.86	2.21	2.59	4.42	6.20	28.18
1993	5.32	3.04	1.85	3.98	2.63	3.64	2.03	4.94	5.86	4.48	6.79	4.28	48.84
1994	3.01	2.02	4.15	1.39	4.01	1.89	3.16	3.73	6.17	3.83	4.65	4.75	42.76
1995	2.31	2.66	1.83	2.06	2.12	2.05	1.91	2.59	5.54	5.01	1.19	1.80	31.07
1996	3.88	6.97	2.39	2.73	2.81	6.81	5.29	2.41	3.97	2.65	5.28	1.75	46.94
1997	2.23	2.09	1.09	0.66	3.22	3.36	1.29	6.32	7.08	1.43	6.15	3.81	38.73
1998	0.60	0.50	4.64	5.08	5.01	2.70	3.45	5.02	6.23	3.93	4.57	2.66	44.39
1999	5.52	1.37	3.91	3.02	1.88	3.13	1.90	6.27	2.34	4.49	4.73	2.19	40.75
2000	4.23	7.54	5.56	4.43	4.42	8.35	4.66	6.11	2.69	10.17	12.22	13.94	84.32
2001	5.09	3.97	3.48	4.61	0.92	3.96	3.47	2.28	3.86	7.54	3.61	2.93	45.72
2002	6.25	3.31	5.32	1.92	6.84	1.88	1.34	3.58	4.23	8.65	5.92	5.11	54.35
2003	2.47	4.35	2.23	1.76	2.03	2.44	2.45	4.43	3.62	4.56	3.86	5.67	39.87
2004	3.51	3.24	2.94	5.82	4.03	2.32	2.36	4.21	5.05	5.55	6.78	8.21	54.02
2005	3.64	5.93	2.64	1.40	2.47	2.04	1.98	2.25	5.31	2.95	3.42	2.84	36.87
2006	0.99	3.99	3.50	2.33	1.26	1.44	1.76	4.96	4.44	6.32	5.32	2.86	39.17
2007	5.65	1.87	1.87	0.81	2.28	3.28	1.96	2.96	5.51	5.70	10.72	4.51	47.12
2008	3.52	1.06	3.44	1.53	1.95	1.60	1.47	1.41	3.34	4.80	2.41	3.41	29.94
2009	1.84	4.81	4.14	6.11	1.62	1.07	4.08	3.24	3.28	3.90	4.78	4.16	43.03
2010	0.68	0.83	2.27	3.44	1.33	1.45	2.46	3.22	2.36	3.92	4.71	2.75	29.42
2011	3.91	1.83	1.16	4.18	2.67	3.41	3.83	2.37	3.86	2.89	3.08	6.22	39.41
2012	3.61	6.04	7.13	4.43	1.51	0.46	2.18	2.11	3.67	4.72	4.51	3.67	44.04
2013	3.59	2.32	2.68	2.03	3.29	2.82	3.70	6.49	4.91	5.79	4.50	4.31	46.43
POR= 63 YRS	3.01	2.66	2.53	2.24	2.51	2.41	2.48	3.71	4.25	4.53	4.48	3.70	38.51

WBAN : 25624

AVERAGE TEMPERATURE (°F) 2013 COLD BAY (PACD)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	31.2	18.7	33.7	31.6	38.0	47.0	49.7	54.7	49.7	40.8	37.0	37.3	39.1
1985	36.1	27.9	30.1	26.8	38.3	42.5	50.6	50.8	49.5	39.6	38.9	35.6	38.9
1986	24.4	28.4	27.0	32.2	38.0	44.7	51.7	51.2	49.8	42.2	37.0	34.4	38.4
1987	30.5	31.2	33.6	34.2	38.8	44.5	50.9	52.8	46.9	41.0	30.0	28.3	38.6
1988	31.2	30.2	26.1	31.1	40.3	46.0	51.0	51.1	46.9	40.5	32.5	30.9	38.2
1989	22.3	35.0	31.5	34.3	40.6	46.0	50.9	53.3	49.8	42.3	32.1	31.3	39.1
1990	30.4	26.3	32.1	36.4	41.4	46.9	50.1	52.2	47.6	40.3	34.6	36.4	39.6
1991	31.1	22.8	34.3	35.6	40.0	45.5	50.8	51.6	49.5	42.0	36.0	29.7	39.1
1992	29.1	25.4	29.9	33.1	40.3	48.0	49.9	50.6	45.8	38.9	33.0	32.4	38.0
1993	27.0	31.1	33.1	37.4	41.9	47.2	52.0	52.7	49.0	42.2	38.2	31.7	40.3
1994	31.8	31.4	26.4	33.7	39.2	45.6	50.7	53.2	47.7	39.0	35.2	29.8	38.6
1995	26.4	29.9	27.5	32.7	40.5	46.3	50.9	50.5	50.0	41.0	32.1	34.0	38.5
1996	30.0	29.4	36.8	35.8	43.2	45.5	51.0	51.7	46.0	39.7	37.2	29.9	39.7
1997	28.4	31.8	28.5	34.9	44.2	48.1	53.4	55.2	48.3	40.8	35.5	25.8	39.6
1998	24.5	27.9	35.6	37.1	40.5	47.4	51.2	51.3	46.7	39.4	34.4	28.1	38.7
1999	27.3	19.9	25.2	32.3	37.7	44.9	50.4	49.7	46.8	36.6	32.5	21.2	35.4
2000	19.4	33.0	31.6	33.4	38.6	46.9	49.3	51.8	47.1	40.3	36.8	35.6	38.7
2001	29.5	32.7	30.2	35.9	37.0	47.1	51.8	53.1	47.3	39.2	34.1	26.6	38.7
2002	31.0	26.3	33.4	36.7	43.0	48.4	52.2	52.9	49.2	44.0	38.7	30.8	40.6
2003	33.2	36.7	29.6	37.2	42.7	48.1	51.2	53.3	48.4	41.8	37.1	29.4	40.7
2004	25.6	32.5	28.6	34.6	43.2	48.1	52.7	54.5	49.0	42.7	35.6	31.4	39.9
2005	34.2	32.5	33.7	34.2	41.9	47.9	52.4	53.7	49.3	40.8	30.0	34.1	40.4
2006	22.3	29.5	31.4	32.4	39.9	45.3	51.4	50.9	47.1	41.4	33.2	25.3	37.5
2007	26.9	33.6	18.8	34.6	37.9	43.9	50.7	53.5	49.9	39.7	35.0	30.6	37.9
2008	26.3	22.4	25.1	32.4	39.3	45.3	48.6	50.7	47.3	38.1	29.9	32.2	36.5
2009	24.5	29.8	25.8	32.6	40.2	47.0	50.5	50.5	47.5	41.8	31.9	34.5	38.1
2010	28.0	26.7	20.7	30.4	38.7	44.5	49.6	50.9	49.7	39.6	34.4	28.1	36.8
2011	30.5	30.9	30.5	33.1	41.5	46.0	48.8	51.6	46.1	41.3	33.5	29.3	38.6
2012	18.3	28.0	20.1	30.6	36.5	43.9	48.4	51.2	45.1	40.6	30.7	29.1	35.2
2013	32.9	29.2	30.8	33.8	39.4	47.8	53.9	53.9	49.5	46.0	37.9	38.0	41.1
POR= 63 YRS	28.1	28.1	29.3	33.3	39.9	45.8	50.6	51.7	47.6	40.1	34.4	30.3	38.2

HEATING DEGREE DAYS (base 65°F) 2013 COLD BAY (PACD)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1984-85	467	310	452	744	834	854	889	1033	1075	1140	821	669	9288
1985-86	440	434	455	779	775	905	1251	1018	1173	976	832	605	9643
1986-87	406	423	448	699	834	939	1063	943	965	916	806	607	9049
1987-88	431	373	538	737	1042	1131	1043	1003	1203	1014	754	565	9834
1988-89	427	423	537	755	970	1050	1318	834	1034	917	751	564	9580
1989-90	432	353	447	695	978	1037	1063	1077	1010	853	727	535	9207
1990-91	455	390	516	757	905	879	1046	1178	945	873	771	578	9293
1991-92	432	410	457	705	864	1089	1103	1140	1083	947	759	503	9492
1992-93	463	436	570	798	952	1001	1170	941	983	824	706	528	9372
1993-94	398	373	472	699	797	1022	1021	935	1187	935	796	574	9209
1994-95	435	360	510	796	886	1082	1192	977	1155	962	753	555	9663
1995-96	430	443	444	737	978	955	1077	1027	865	872	670	576	9074
1996-97	426	406	566	777	828	1081	1128	925	1123	896	641	501	9298
1997-98	356	296	491	746	876	1208	1248	1030	903	829	752	520	9255
1998-99	422	417	546	785	911	1135	1165	1255	1224	973	837	595	10265
1999-00	445	468	539	875	971	1354	1410	920	1028	943	810	540	10303
2000-01	481	402	529	760	838	905	1093	899	1073	865	860	528	9233
2001-02	403	360	522	793	921	1187	1047	1079	973	844	676	490	9295
2002-03	393	371	468	643	784	1054	976	785	1091	825	685	501	8576
2003-04	422	356	494	713	829	1096	1212	934	1116	907	667	501	9247
2004-05	374	320	476	685	873	1036	945	903	963	921	707	507	8710
2005-06	385	343	464	745	1043	952	1320	987	1034	973	767	583	9596
2006-07	419	431	528	725	946	1224	1174	874	1426	901	833	624	10105
2007-08	437	348	447	777	892	1060	1190	1228	1231	970	786	586	9952
2008-09	503	438	523	826	1044	1009	1247	979	1208	965	764	532	10038
2009-10	443	445	518	713	985	939	1142	1065	1362	1033	807	608	10060
2010-11	471	426	455	782	913	1139	1063	949	1061	949	720	564	9492
2011-12	493	407	561	730	941	1102	1442	1065	1386	1024	877	626	10654
2012-13	509	419	590	749	1023	1104	988	997	1054	928	788	509	9658
2013-	336	335	458	581	806	830							

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COOLING DEGREE DAYS (base 65°F) 2013 COLD BAY (PACD)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0	0	0	0	0	0
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
2011	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0	0	0

SNOWFALL (inches) 2013 COLD BAY (PACD)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1984-85	0.0	0.0	0.0	5.3	10.6	6.9	4.2	8.2	28.6	8.8	1.5	0.4	74.5
1985-86	0.0	0.0	T	2.8	1.1	12.1	24.2	11.3	6.1	5.3	6.2	0.0	69.1
1986-87	0.0	0.0	0.0	T	7.6	7.2	12.4	10.5	20.3	7.6	1.0	T	66.6
1987-88	0.0	0.0	0.1	0.7	8.1	14.3	11.0	5.9	7.5	11.6	0.1	0.0	59.3
1988-89	0.0	0.0	0.0	0.3	15.2	22.1	11.2	13.7	3.1	10.4	0.3	0.0	76.3
1989-90	0.0	0.0	0.0	0.1	14.0	6.9	16.4	18.7	8.8	3.9	0.6	0.0	69.4
1990-91	0.0	0.0	T	4.7	10.6	6.3	6.5	13.3	8.4	2.8	0.5	T	53.1
1991-92	0.0	0.0	0.0	0.8	3.3	19.9	7.2	5.0	8.0	1.9	1.8	0.0	47.9
1992-93	0.0	0.0	T	3.4	9.0	6.9	6.8	8.6	2.3	2.6	T	0.0	39.6
1993-94	0.0	0.0	T	T	5.9	16.0	5.9	6.0	27.9	3.2	2.5	0.0	67.4
1994-95	0.0	0.0	T	4.1	13.8	10.7	13.2	10.1	10.8	4.7	1.0	0.0	68.4
1995-96	0.0	0.0	0.0	T	3.3	T	8.1	19.3	2.1	5.0	T	T	37.8
1996-97	0.0	0.0	0.2	0.3	3.5	8.3	8.9	3.3	6.9	4.3	0.0	0.0	35.7
1997-98	0.0	0.0	T	0.6	10.3	30.0	8.9	4.0	10.2	6.3	1.0	0.0	71.3
1998-99	0.0	T	0.0	8.2	20.4	12.3	23.8	30.1	44.6	11.3	3.7	0.0	154.4
1999-00	0.0	0.0	0.0	14.2	8.4	28.0	57.1	28.1	15.0	14.9	1.6	0.0	167.3
2000-01	0.0	0.0	0.0	1.1	4.6	7.5	20.6	11.3	13.4	17.9	3.2	0.0	79.6
2001-02	0.0	0.0	T	8.0	6.6	28.2	10.1	28.3	1.6	0.9	T	0.0	83.7
2002-03	0.0	0.0	0.0	T	2.7	11.1	9.5	2.8	6.4	2.5	0.8	0.0	35.8
2003-04	0.0	0.0	T	2.9	12.1	23.8	30.9	7.1	20.3	4.5	0.0	0.0	101.6
2004-05	0.0	0.0	0.0	1.2	9.3	21.9	1.5	6.1	11.4	5.2	0.5	0.0	57.1
2005-06	0.0	0.0	T	0.4	16.8	3.0	16.2	15.1	4.0	12.6	3.7	0.0	71.8
2006-07	0.0	0.0	0.0	0.6	7.7	22.1	22.4	3.7	21.0	2.9	4.7	0.0	85.1
2007-08	0.0	0.0	0.0	2.5	10.6	7.7		7.4	11.7	2.6	0.4	0.2	
2008-09	0.0	0.0	0.0	3.0	11.7	9.7	9.1	12.1	21.3	4.7	0.3	0.0	71.9
2009-10	0.0	0.0	T	2.6	24.7	6.3	7.1	5.0	27.0	17.7	T	T	90.4
2010-11	0.0	0.0	T	0.9	8.5	9.9	12.5	5.6	2.4	8.9	T	0.0	48.7
2011-12	0.0	0.0	0.0	0.1	7.1	8.9	22.0	27.6	43.3	19.3	4.6	T	132.9
2012-13	0.0	0.0	T	1.0	8.0	13.5	18.4	11.1	10.5	2.1	0.3	0.0	64.9
2013-	0.0	0.0	T	0.0	3.6	7.3							
POR= 63 YRS	0.0	T	T	2.9	8.1	11.5	12.2	11.6	11.9	6.6	1.6	T	66.4

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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. 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 CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.</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</p>	<p>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 STATION HISTORY INFORMATION GO TO "Historical Observing Metadata Repository", URL IS: http://www.ncdc.noaa.gov/homr/ 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 "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p>
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2013 COLD BAY ALASKA (PACD)

The station at Cold Bay is located approximately 30 miles from the end of the Alaskan Peninsula on the northwest side of Cold Bay. Ten miles south-southwest of the station, Frosty Peak rises to an elevation of 6,700 feet. Across the bay to the east several mountains rise to elevations in excess of 5,000 feet. The mountains to the east and southwest provide a sheltering effect from winds and precipitation approaching from these directions. Winds reaching the station from southwesterly or easterly directions rarely exceed 15 mph. The open bay area to the south-southeastward tends to provide a funneling effect upon all winds approaching the Cold Bay area from the southwest to the southeast. From west to the northeast the land is relatively flat with numerous lakes and swamps. Winds from northerly directions are influenced very little by this flat terrain.

The high frequency of cyclonic storms crossing the Northern Pacific and the Bering Sea are the dominant factors in the weather at Cold Bay. These storms account for the high winds and the frequent occurrences of low ceilings and low visibilities encountered at this station. The winds generally result from the strong pressure gradient developing between the Pacific High and the cyclonic storms in the Northern Pacific and Bering Sea.

The climate at Cold Bay is basically maritime, due to the nearness to extensive open ocean areas, and temperature extremes, both seasonal and diurnal,

are generally confined to fairly narrow limits. Differences between maximum and minimum temperatures for all individual months average less than 10 degrees. Although it is practically impossible for cold, continental air masses to reach the Cold Bay area by moving overland along the somewhat narrow Alaskan Peninsula, air overlying the frozen ocean surface of the Bering Sea may take on continental characteristics and bring rather cold temperatures to the area. Although below-zero readings have been recorded from December to March, inclusive, below-zero readings are infrequent.

Due to the moderating effects of nearby ocean areas, it is difficult to define the seasonal periods at Cold Bay. The beginning of spring is late. The vegetation does not begin to grow until late May or early June. August is regarded as the midsummer period and autumn arrives in early October. The greatest frequency of fog usually comes in the summer season, with the foggy period extending from mid-July to mid-September. During the winter months visibilities are frequently restricted due to blowing snow. Precipitation is frequent but not abundant. The shortest day of the year at Cold Bay has 7 hours and 7 minutes of possible sunshine, the longest day has 17 hours and 27 minutes of possible sunshine.

Station History

COLD BAY, AK

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
COLD BAY AP	2010-11-25	Present	55° 13'	-162° 43'	78		AIRWAYS,ASOS,COOP
COLD BAY AP	1953-10-01	1953-11-01	55° 12'	-162° 43'	98		COOP
COLD BAY AP	1954-01-01	1955-01-01	55° 12'	-162° 43'	92		AIRWAYS,COOP
COLD BAY AP	1983-05-16	1998-07-01	55° 12'	-162° 43'	96		AIRSAMPLE,COOP
COLD BAY AP	1969-01-01	1981-12-31	55° 12'	-162° 43'	98		COOP,WXSVC
COLD BAY AP	1998-07-01	2002-01-11	55° 12'	-162° 43'	96		ASOS,COOP
COLD BAY AP	1961-01-01	1969-01-01	55° 12'	-162° 43'	98		AIRWAYS,COOP
COLD BAY AP	1981-12-31	1982-01-01	55° 12'	-162° 43'	98		COOP
COLD BAY AP	2007-05-29	2010-11-25	55° 13'	-162° 43'	78		ASOS,COOP
COLD BAY AP	1982-01-01	1983-05-16	55° 12'	-162° 43'	96		COOP
COLD BAY AP	2002-01-11	2007-05-29	55° 13'	-162° 43'	78	1.5 MI NNW	ASOS,COOP
COLD BAY AP	1953-11-01	1954-01-01	55° 12'	-162° 43'	98		AIRWAYS,COOP
COLD BAY AP	1955-01-01	1961-01-01	55° 12'	-162° 43'	95		AIRWAYS,COOP

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
PRECIP	2007-05-29	Present	HOURLY	2400	AWPAG	RCRD;HTD	
PRECIP	1997-01-01	2002-01-11	DAILY	2400	UNIV	RCRD	
TEMP	2002-01-11	2007-05-29	DAILY	2400	ATEMP		
TEMP	2007-05-29	Present	DAILY	2400	ATEMP		
PRECIP	1995-07-01	1997-01-01	DAILY	2400	UNIV	RCRD	
PRECIP	1997-01-01	2002-01-11	HOURLY	2400	UNIV	RCRD	
TEMP	1997-01-01	2002-01-11	DAILY	2400			
TEMP	1995-07-01	1997-01-01	DAILY	2400			
PRECIP	2007-05-29	Present	DAILY	2400	PCPNX		
PRECIP	1953-10-01	1995-07-01	DAILY		UNIV	RCRD	
TEMP	1953-10-01	1995-07-01	DAILY	2400			
PRECIP	2002-01-11	2007-05-29	DAILY	2400	TB	RCRD	
PRECIP	2002-01-11	2007-05-29	HOURLY	2400	TB	RCRD	

* 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>

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2

Fax Number : (828) 271-4876

TDD : (828) 271-4010

Email : ncdc.orders@noaa.gov

NOAA/National Climatic Data Center

Attn: User Engagement & Services Branch

151 Patton Avenue

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Visit our Web Site for other weather data: www.ncdc.noaa.gov