

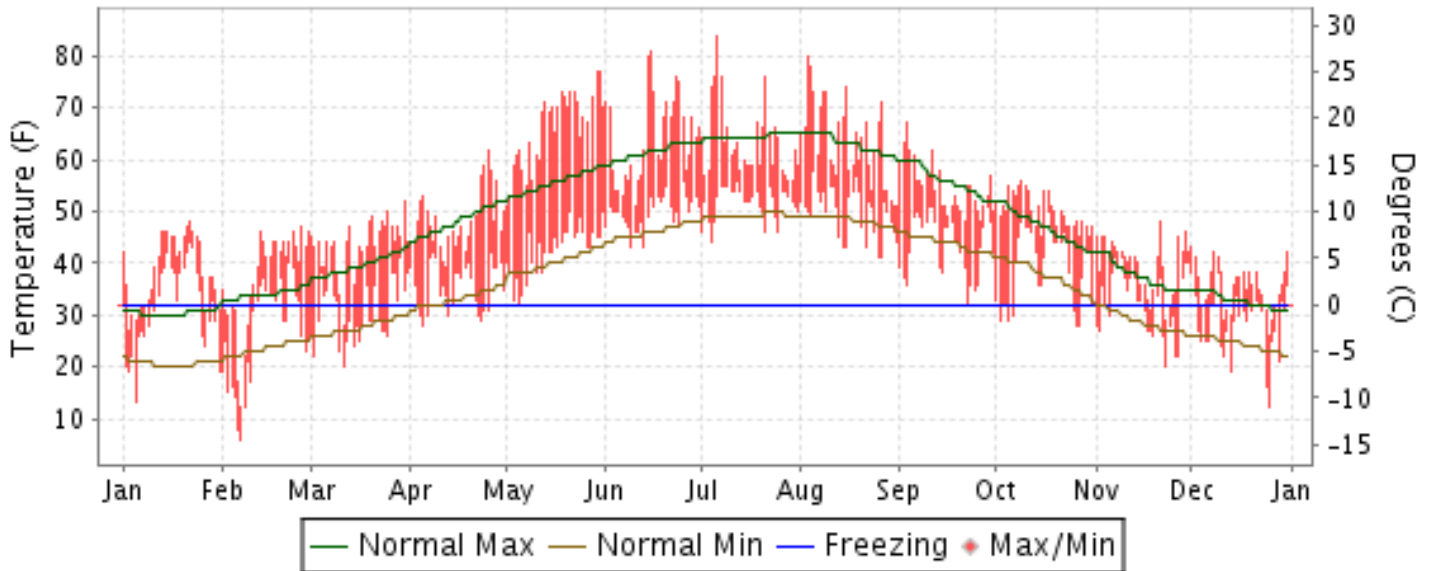


2015 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

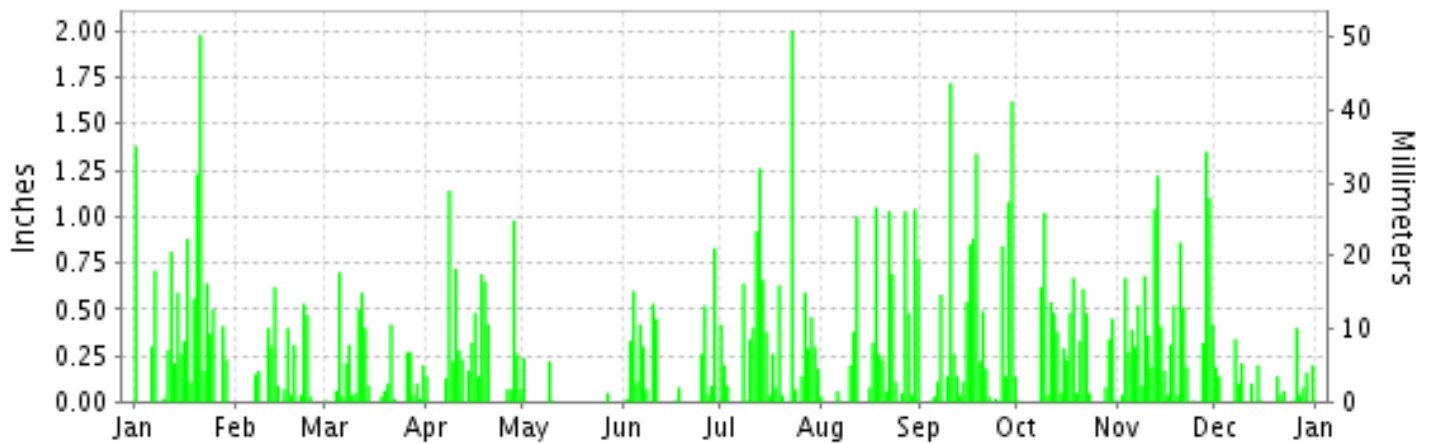
ISSN 0197-9760

JUNEAU, ALASKA (PAJN)

Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CENTERS for ENVIRONMENTAL INFORMATION (NCEI) ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NCEI

METEOROLOGICAL DATA FOR 2015

JUNEAU (PAJN)

LATITUDE:
58° 21'N

LONGITUDE:
134° 33'W

ELEVATION (FT):
GRND: 16 BARO: 40

TIME ZONE:
ALASKA (UTC -9)

WBAN: 25309

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	38.7	37.3	43.4	48.3	65.7	64.2	63.5	63.6	54.8	50.1	39.8	35.5	50.4	
	HIGHEST DAILY MAXIMUM	48	47	52	62	77	81	84	80	67	56	48	43	84	
	DATE OF OCCURRENCE	22	26	30	25	30+	15	06	03	03	09	21	01	JUL 06	
	MEAN DAILY MINIMUM	31.5	26.5	30.7	35.4	42.4	49.8	51.6	49.7	43.5	39.0	32.4	28.4	38.4	
	LOWEST DAILY MINIMUM	13	6	20	28	32	43	44	41	32	28	20	12	6	
	DATE OF OCCURRENCE	05	07	11	05	05	13+	04	25+	22	27+	23	25	FEB 07	
	AVERAGE DRY BULB	35.1	31.9	37.1	41.9	54.1	57.0	57.6	56.7	49.2	44.6	36.1	32.0	44.4	
	MEAN WET BULB	33.9	30.1	35.1	39.0	48.6	52.6	54.4	53.4	47.3	43.0	35.2	31.0	42.0	
	MEAN DEW POINT	30.2	26.0	31.9	35.5	42.2	48.6	52.1	50.8	45.0	41.1	33.2	29.0	38.8	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 70	0	0	0	0	13	9	5	8	0	0	0	0	0	35
	MAXIMUM <= 32°	8	8	1	0	0	0	0	0	0	0	3	8	28	
MINIMUM <= 32°	16	16	17	10	1	0	0	0	1	9	14	24	108		
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	920	920	857	687	332	234	228	251	468	625	859	1014	7395	
	COOLING DEGREE DAYS	0	0	0	0	0	2	5	1	0	0	0	0	8	
RH	MEAN (PERCENT)	84	82	83	81	65	76	84	83	86	89	88	89	83	
	HOUR 03 LST	86	86	90	89	86	87	92	91	92	93	89	89	89	
	HOUR 09 LST	86	83	84	78	65	75	83	85	88	91	90	88	83	
	HOUR 15 LST	82	74	70	69	44	64	75	71	76	79	87	89	73	
	HOUR 21 LST	84	84	87	85	67	78	86	85	90	93	88	91	85	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	4	7	2	2	1	1	0	1	3	7	4	4	36	
	THUNDERSTORMS	0	0	0	0	0	0	0	0	0	0	0	0	0	
PR	MEAN STATION PRESS. (IN.)	29.88	30.04	29.89	29.81	30.03	29.99	29.94	29.86	29.80	29.77	29.77	29.59	29.86	
	MEAN SEA-LEVEL PRESS. (IN.)	29.91	30.07	29.92	29.83	30.05	30.03	29.97	29.88	29.83	29.80	29.80	29.62	29.89	
WINDS	RESULTANT SPEED (MPH)	8.1	5.9	4.0	8.6	2.3	3.2	4.9	4.4	7.1	5.0	8.5	5.7	5.3	
	RES. DIR. (TENS OF DEGS.)	11	10	11	11	24	11	10	11	10	10	10	10	11	
	MEAN SPEED (MPH)	9.1	7.2	7.0	10.5	5.9	6.9	7.7	8.0	8.5	6.7	9.9	6.7	7.8	
	PREVAIL.DIR.(TENS OF DEGS.)	11	08	08	12	24	11	08	11	09	11	11	08	12	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	37	37	32	40	23	32	30	36	40	38	40	37	40	
	DIR. (TENS OF DEGS.)	12	12	12	11	09	12	11	12	12	12	11	12	11	
	DATE OF OCCURRENCE	21	13	12	28	04	26	02	22	29	12	13	31	NOV 13	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	49	52	43	52	32	42	42	48	51	48	52	47	52	
DIR. (TENS OF DEGS.)	11	09	11	12	09	12	12	11	12	11	11	11	11		
DATE OF OCCURRENCE	21	05	12	28	04	26	02	22	29	12	12	31	NOV 12		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	11.98	3.62	4.52	7.18	0.52	4.66	10.40	8.92	11.51	7.21	12.02	2.42	84.96	
	GREATEST 24-HOUR (IN.)	2.59	0.70	0.91	1.15	0.24	0.90	2.07	1.14	1.82	1.03	1.82	0.41	2.59	
	DATE OF OCCURRENCE	20-21	12-13	12-13	08-09	01	28-29	23-24	30-31	17-18	08-09	28-29	26-27	JAN 20-21	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	22	14	23	19	4	16	24	21	24	21	26	17	231		
PRECIPITATION 0.10	20	9	12	16	2	10	18	14	19	14	21	11	166		
PRECIPITATION 1.00	3	0	0	1	0	0	2	5	4	1	4	0	20		
SNOWFALL	SNOW,ICE PELLETS,HAIL	15.1	10.3	9.9	T	0.0	0.0	0.0	0.0	0.0	T	16.6	16.3	68.2	
	TOTAL (IN.)	6.0	4.0	7.3	T	0.0	0.0	0.0	0.0	0.0	T	10.0	6.6	10.0	
	GREATEST 24-HOUR (IN.)	28	07	11	14+						28+	18	26	NOV 18	
	DATE OF OCCURRENCE	8	7	6	0	0	0	0	0	0	0	11	7	11	
	MAXIMUM SNOW DEPTH (IN.)	08	09	12								19	29	NOV 19	
	DATE OF OCCURRENCE														
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0	3	3	2	0	0	0	0	0	0	0	3	5	16		

NORMALS, MEANS, AND EXTREMES JUNEAU (PAJN)

LATITUDE: 58° 21'N **LONGITUDE:** 134° 33'W **ELEVATION (FT):** GRND: 16 BARO: 40 **TIME ZONE:** ALASKA (UTC -9) **WBAN: 25309**

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	32.8	35.2	39.6	48.4	56.6	62.2	63.9	62.7	55.7	47.0	37.8	34.1	48.0
	MEAN DAILY MAXIMUM	71	30.4	34.2	38.7	47.2	55.7	61.5	63.6	62.7	55.0	47.1	37.7	32.6	47.2
	HIGHEST DAILY MAXIMUM	71	57	57	61	74	82	86	90	84	73	61	56	54	90
	YEAR OF OCCURRENCE		1958	1992	1998	2003	1947	1969	1975	2004	1996	2003	1949	1999	JUL 1975
	MEAN OF EXTREME MAXS.	72	43.1	44.2	47.9	59.9	69.9	76.0	78.0	75.6	65.6	55.6	47.8	44.0	59.0
	NORMAL DAILY MINIMUM	30	23.7	25.0	28.0	33.3	40.6	46.9	50.0	49.0	44.4	37.8	29.1	25.6	36.1
	MEAN DAILY MINIMUM	70	20.1	23.2	26.4	32.1	39.4	45.3	48.5	47.7	42.8	37.2	28.5	23.4	34.6
	LOWEST DAILY MINIMUM	71	-22	-22	-15	6	25	31	36	27	23	11	-5	-21	-22
	YEAR OF OCCURRENCE		1972	1968	1972	1963	1972	1971	1950	1948	1972	1984	2006	1949	JAN 1972
	MEAN OF EXTREME MINS.	72	0.8	5.4	10.3	22.9	30.2	37.3	41.9	39.4	32.0	24.6	12.8	4.3	21.8
	NORMAL DRY BULB	30	28.3	30.1	33.8	40.8	48.6	54.6	56.9	55.9	50.0	42.4	33.4	29.9	42.1
	MEAN DRY BULB	70	25.3	28.7	32.6	39.7	47.6	53.6	56.1	55.2	49.0	42.2	33.1	28.1	40.9
	MEAN WET BULB	31	28.6	28.8	30.3	36.7	43.4	49.2	52.4	52.1	47.7	41.0	33.0	30.3	39.5
	MEAN DEW POINT	31	27.6	27.6	28.9	35.0	41.8	47.9	51.3	51.0	47.1	40.3	32.1	29.5	38.3
	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	11.7	7.2	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	4.7	10.3	37.3
MINIMUM <= 32	30	22.8	19.8	20.1	11.1	1.6	0.0	0.0	0.0	0.6	6.1	16.5	20.6	119.2	
MINIMUM <= 0	30	1.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.8	
H/C	NORMAL HEATING DEG. DAYS	30	1139	977	967	724	508	315	251	284	449	701	946	1090	8351
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	0	1	1	0	0	0	0	0	2
RH	NORMAL (PERCENT)	30	84	82	80	78	76	77	81	84	89	88	86	86	83
	HOURLY 03 LST	30	85	86	87	89	90	89	89	93	95	92	89	88	89
	HOURLY 09 LST	30	86	85	83	78	76	78	83	86	90	90	88	88	84
	HOURLY 15 LST	30	82	76	69	63	62	65	71	74	80	83	83	86	75
	HOURLY 21 LST	30	85	85	83	81	77	76	80	84	92	91	88	87	84
S	PERCENT POSSIBLE SUNSHINE	33	32	32	37	39	39	34	31	32	26	19	23	20	30
W/O	MEAN NO. DAYS WITH: HEAVY FOG (VISIBY <= 1/4 MI)	51	2.5	2.7	1.9	1.1	0.6	0.3	0.2	0.9	2.5	3.6	3.3	2.6	22.2
	THUNDERSTORMS	66	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.3
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)	48	6.2	6.4	6.4	6.4	6.3	6.5	6.6	6.3	6.8	7.0	6.7	6.7	6.5
	MIDNIGHT-MIDNIGHT (OKTAS)	16	5.2	5.7	6.1	5.9	6.3	6.1	6.2	5.9	6.4	6.6	6.0	6.1	6.0
	MEAN NO. DAYS WITH: CLEAR	48	5.7	4.3	4.4	3.7	3.8	3.4	2.8	3.9	2.7	2.4	3.3	3.2	43.6
	PARTLY CLOUDY	48	2.6	3.0	3.2	4.2	4.4	4.2	4.5	4.7	3.3	2.1	2.3	2.0	40.5
	CLOUDY	48	22.5	21.0	23.4	22.1	22.6	22.4	23.0	21.9	23.4	26.0	24.0	25.2	277.5
PR	MEAN STATION PRESSURE (IN)	31	30.28	30.35	30.28	30.33	30.37	30.37	30.39	30.36	30.31	30.26	30.24	30.25	30.32
	MEAN SEA-LEVEL PRES. (IN)	31	29.84	29.87	29.84	29.89	29.92	29.92	29.95	29.91	29.87	29.82	29.80	29.81	29.87
WINDS	MEAN SPEED (MPH)	31	7.3	7.4	7.8	7.6	7.4	6.8	6.7	6.9	7.8	8.4	7.7	7.8	7.5
	PREVAIL. DIR. (TENS OF DEGS)	34	09	11	11	12	12	11	09	09	09	11	11	12	11
	MAXIMUM 2-MINUTE: SPEED (MPH)	17	48	46	44	43	39	32	30	38	53	51	48	48	53
	DIR. (TENS OF DEGS)		11	12	11	11	12	12	11	12	11	11	12	11	11
	YEAR OF OCCURRENCE		2008	2002	2010	2012	2013	2015	2015	1999	2011	2010	2009	2004	SEP 2011
	MAXIMUM 3-SECOND SPEED (MPH)	17	66	56	58	55	50	43	42	48	71	68	62	60	71
	DIR. (TENS OF DEGS)		11	12	11	11	12	11	12	11	13	11	11	11	13
YEAR OF OCCURRENCE		2008	2012	2010	2012	2013	2010	2015	2015	2011	2010	2009	2004	SEP 2011	
PRECIPITATION	NORMAL (IN)	30	5.35	4.13	3.78	2.94	3.40	3.24	4.60	5.73	8.64	8.63	5.99	5.84	62.27
	MAXIMUM MONTHLY (IN)	71	11.98	8.48	6.50	7.48	9.20	7.48	10.40	12.31	15.14	15.25	13.38	13.61	15.25
	YEAR OF OCCURRENCE		2015	1964	1994	1999	1992	2014	2015	1961	1991	1974	2005	1997	OCT 1974
	MINIMUM MONTHLY (IN)	71	0.94	0.07	0.59	0.27	0.52	1.08	1.15	0.56	2.34	2.71	1.15	0.49	0.07
	YEAR OF OCCURRENCE		1969	1989	1983	1948	2015	1950	1972	1979	1965	1950	1983	1983	FEB 1989
	MAXIMUM IN 24 HOURS (IN)	71	2.97	2.71	1.81	2.05	2.30	2.26	2.46	2.62	3.35	4.66	3.57	3.56	4.66
	YEAR OF OCCURRENCE		2014	1993	1992	1997	1992	1996	2001	1974	1996	1946	2005	1956	OCT 1946
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	20.6	16.6	18.9	17.0	16.3	15.8	17.7	19.1	22.4	23.9	20.9	20.6	229.8
	PRECIPITATION >= 1.00	30	0.8	0.6	0.1	0.2	0.3	0.2	0.6	1.0	1.8	1.4	1.0	0.9	8.9
SNOWFALL	NORMAL (IN)	30	27.7	16.8	11.6	1.1	0.0	0.0	0.0	0.0	0.0	0.8	13.1	15.6	86.7
	MAXIMUM MONTHLY (IN)	71	75.2	86.3	62.7	46.3	1.2	T	0.0	0.0	T	15.6	69.8	54.7	86.3
	YEAR OF OCCURRENCE		2009	1965	2007	1963	1964	1970	T	T	2014	1956	1994	1964	FEB 1965
	MAXIMUM IN 24 HOURS (IN)	71	20.1	23.7	31.0	24.2	0.7	T	0.0	0.0	T	8.8	19.4	25.6	31.0
	YEAR OF OCCURRENCE		1975	1949	1948	1963	1945	1970	T	T	2014	1956	1994	1962	MAR 1948
	MAXIMUM SNOW DEPTH (IN)	65	38	41	40	33	0	0	0	0	0	7	28	36	41
	YEAR OF OCCURRENCE		1966	1949	1972	1963	T	T	T	T	T	1956	2006	1962	FEB 1949
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	6.9	4.5	3.1	0.3	0.0	0.0	0.0	0.0	0.0	0.3	3.1	4.6	22.8	

PRECIPITATION (inches) 2015 JUNEAU (PAJN)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1986	7.00	3.25	6.08	2.98	2.54	2.76	2.38	6.89	2.40	12.33	5.96	6.42	60.99
1987	3.99	3.13	2.12	2.08	2.60	6.02	2.54	4.54	8.92	10.36	7.17	5.32	58.79
1988	2.58	6.55	4.15	2.25	3.91	2.05	5.21	5.53	5.46	9.71	8.62	4.75	60.77
1989	6.77	0.07	1.33	0.87	3.44	1.10	3.81	2.82	7.29	6.37	6.23	6.78	46.88
1990	3.72	4.54	4.86	1.06	1.72	3.32	4.65	5.35	10.63	6.59	4.89	6.03	57.36
1991	4.16	6.55	4.41	4.73	4.72	3.41	4.85	9.60	15.14	8.63	9.63	9.32	85.15
1992	8.69	7.24	6.37	3.63	9.20	2.98	5.18	5.02	11.45	5.90	7.91	5.73	79.30
1993	9.11	8.09	3.50	1.94	2.19	4.92	2.25	3.20	8.44	9.00	11.06	7.89	71.59
1994	7.05	2.52	6.50	3.68	4.20	1.83	4.32	2.68	11.17	9.15	9.57	6.22	68.89
1995	1.78	2.83	3.01	2.08	2.85	3.45	4.36	5.01	7.43	6.04	2.93	4.58	46.35
1996	2.26	8.43	4.12	2.19	1.80	6.22	3.16	7.91	10.68	6.20	2.75	4.73	60.45
1997	2.73	8.17	3.91	4.41	3.25	3.51	10.36	3.93	8.26	7.85	4.63	13.61	74.62
1998	2.54	1.90	3.71	3.12	2.21	2.50	4.95	6.80	6.17	12.13	1.72	5.45	53.20
1999	8.14	2.66	2.58	7.48	5.69	2.69	4.10	6.77	10.62	12.19	5.77	10.30	78.99
2000	4.82	1.56	5.75	4.40	3.25	5.72	6.65	6.12	10.05	10.11	6.37	4.17	68.97
2001	7.43	4.40	3.33	2.19	5.19	1.65	7.26	3.66	8.37	7.80	3.62	4.49	59.39
2002	3.28	5.62	1.33	0.47	2.37	3.40	4.72	10.50	6.08	10.69	7.95	5.86	62.27
2003	5.68	1.44	3.56	0.86	2.90	3.74	3.44	4.53	11.41	4.44	6.21	5.92	54.13
2004	5.89	5.66	5.59	4.43	0.84	1.30	3.54	2.51	9.23	7.18	8.38	10.67	65.22
2005	5.90	6.12	4.18	2.94	0.89	3.00	5.25	6.58	9.92	9.12	13.38	6.74	74.02
2006	2.93	2.07	1.55	4.24	4.56	5.93	4.43	11.02	13.01	11.78	3.40	9.37	74.29
2007	6.25	3.00	4.81	2.99	4.27	1.85	6.71	2.35	9.09	11.67	3.15	3.75	59.89
2008	4.91	4.92	4.00	4.79	3.87	1.68	8.25	5.33	10.84	15.05	5.89	3.92	73.45
2009	9.38	3.89	2.95	2.17	2.67	2.83	2.35	7.30	8.92	5.65	7.20	3.95	59.26
2010	4.79	1.53	6.16	3.08	1.25	4.05	3.86	4.30	6.24	8.84	7.87	1.90	53.87
2011	5.26	5.65	1.28	1.83	2.82	4.50	3.51	10.72	8.58	7.39	7.68	7.44	66.66
2012	6.43	3.10	2.82	1.68	5.73	6.69	5.37	7.59	11.02	3.50	4.59	4.92	63.44
2013	7.70	6.61	2.36	6.37	5.33	3.19	4.45	4.90	7.53	10.09	6.69	8.52	73.74
2014	10.15	1.98	3.45	2.67	1.67	7.48	8.26	8.53	9.31	7.46	4.44	3.29	68.69
2015	11.98	3.62	4.52	7.18	0.52	4.66	10.40	8.92	11.51	7.21	12.02	2.42	84.96
POR= 71 YRS	4.84	3.82	3.42	2.99	3.33	3.31	4.62	5.48	7.66	8.26	5.83	5.21	58.77

WBAN : 25309

AVERAGE TEMPERATURE (°F) 2015 JUNEAU (PAJN)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1986	34.3	28.7	35.3	37.3	46.6	54.3	56.8	54.4	50.7	45.8	30.5	36.0	42.6
1987	33.1	34.7	31.8	41.6	47.8	51.6	58.6	57.5	50.1	44.4	40.0	34.3	43.8
1988	27.0	32.6	37.6	41.7	48.5	54.0	53.8	53.9	48.2	44.1	36.2	31.3	42.4
1989	25.5	23.9	29.4	42.7	49.0	55.4	60.1	58.2	52.4	41.7	32.9	36.0	42.3
1990	26.4	25.1	36.4	42.7	49.7	55.0	59.3	58.1	51.2	40.7	26.4	23.7	41.2
1991	24.9	35.3	33.1	41.7	48.2	55.0	55.2	55.0	50.3	40.1	36.3	33.6	42.4
1992	35.7	32.7	36.9	41.1	46.4	55.2	57.0	56.0	46.8	40.5	38.4	25.6	42.7
1993	24.5	30.2	35.8	44.4	52.1	55.8	59.6	57.1	51.2	45.8	36.8	35.9	44.1
1994	27.7	18.4	36.7	43.3	48.1	54.9	57.4	59.3	50.2	43.3	29.4	27.7	41.4
1995	27.2	29.0	30.3	43.4	51.4	55.4	57.0	54.8	53.8		32.4	25.2	
1996	16.6	29.0	32.8	40.7	48.7	54.1	57.7	54.7	48.9	40.2	31.3	26.5	40.1
1997	26.1	35.3	31.5	41.5	51.5	56.6	58.2	58.8	53.3	41.4	37.3	36.7	44.0
1998	24.5	37.1	35.0	42.4	50.1	55.9	57.5	54.2	49.4	42.8	33.1	27.9	42.5
1999	26.6	28.6	33.1	39.5	44.8	53.8	57.4	56.4	49.7	43.5	36.1	35.9	42.1
2000	26.5	31.7	36.3	39.7	46.9	53.0	55.3	54.4	49.0	41.9	37.7	31.2	42.0
2001	36.7	28.2	33.4	40.3	45.2	54.2	55.4	57.2	50.3	41.9	32.9	29.0	42.1
2002	30.6	30.8	28.3	36.3	47.1	54.8	54.6	54.4	49.6	44.3	40.1	31.9	41.9
2003	31.6	31.7	30.5	41.7	46.8	53.7	58.0	54.9	48.8	43.3	30.6	31.8	42.0
2004	25.2	35.5	34.7	41.0	51.7	58.0	59.6	59.4	48.8	41.2	36.8	32.1	43.7
2005	25.2	30.7	37.5	44.0	52.7	56.1	56.3	57.2	51.1	41.7	35.5	33.7	43.5
2006	29.5	28.5	27.8	39.0	47.8	54.5	56.3	53.1	50.0	42.3	19.4	34.3	40.2
2007	31.0	25.1	28.4	38.6	46.8	54.4	56.7	56.5	49.7	42.0	34.9	27.4	41.0
2008	26.0	27.9	35.1	38.3	48.0	50.9	53.3	53.8	49.5	41.1	35.4	22.3	40.1
2009	25.8	27.1	28.5	39.2	48.1	54.9	59.9	55.9	49.8	42.6	35.0	27.9	41.2
2010	29.6	36.4	36.6	41.9	50.8	53.9	54.9	56.9	50.9	42.7	34.7	23.1	42.7
2011	28.2	25.2	28.8	39.1	48.2	54.0	55.9	53.1	48.9	42.2	29.7	33.8	40.6
2012	26.9	33.7	33.1	41.8	44.7	51.7	54.9	54.6	49.6	38.5	29.8	23.8	40.3
2013	31.3	35.5	29.7	36.1	48.0	57.9	57.6	57.9	51.9	44.7	30.4	27.6	42.4
2014	36.6	23.9	31.5	41.0	52.2	53.0	57.4	56.8	51.7	43.8	34.8	33.4	43.0
2015	35.1	31.9	37.1	41.9	54.1	57.0	57.6	56.7	49.2	44.6	36.1	32.0	44.4
POR= 70 YRS	25.3	28.7	32.6	39.7	47.6	53.6	56.1	55.2	49.0	42.2	33.1	28.1	40.9

HEATING DEGREE DAYS (base 65°F) 2015 JUNEAU (PAJN)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1987-88	199	222	440	635	744	944	1169	935	844	691	508	324	7655
1988-89	338	338	497	641	855	1040	1217	1144	1097	663	491	283	8604
1989-90	159	210	370	713	959	890	1191	1109	879	661	467	295	7903
1990-91	180	210	407	748	1152	1274	1238	823	981	694	516	298	8521
1991-92	294	303	435	764	855	966	902	930	865	712	571	292	7889
1992-93	240	274	540	750	791	1217	1250	966	899	612	394	271	8204
1993-94	166	240	406	588	838	891	1147	1298	869	641	514	299	7897
1994-95	229	171	437	668	1061	1150	1165	1003	1066	641	416	285	8292
1995-96	241	309	329	971	1229	1493	1038	993	719	498	322	292	8378
1996-97	218	312	476	764	1004	1187	1196	826	1031	698	414	252	8378
1997-98	203	183	345	725	823	869	1247	776	926	673	457	266	7493
1998-99	224	331	463	681	951	1141	1181	1012	978	758	619	329	8668
1999-00	230	264	452	660	858	895	1184	959	882	751	552	354	8041
2000-01	295	322	471	710	813	1040	873	1026	972	734	605	320	8181
2001-02	292	235	434	709	956	1111	1060	951	1131	856	549	299	8583
2002-03	316	325	455	636	740	1019	1027	927	1064	690	555	330	8084
2003-04	210	306	478	665	1026	1020	1225	849	933	713	406	220	8051
2004-05	163	172	478	730	838	1011	1222	954	848	622	373	260	7671
2005-06	265	240	413	715	877	961	1094	1019	1147	774	526	306	8337
2006-07	264	364	444	700	1361	943	1048	1108	1130	784	559	313	9018
2007-08	251	257	452	707	895	1159	1200	1071	919	794	519	415	8639
2008-09	357	338	457	732	882	1317	1210	1057	1123	770	518	296	9057
2009-10	156	276	450	685	892	1141	1092	795	871	685	433	328	7804
2010-11	306	248	416	682	901	1292	1136	1107	1117	772	513	326	8816
2011-12	269	361	478	700	1052	962	1172	899	982	690	619	394	8578
2012-13	306	317	455	812	1051	1269	1036	817	1086	860	519	214	8742
2013-	223	213	387	621	1030	1152							
2013-14	223	213	387	621	1030	1152	874	1142	1032	711	388	354	8127
2014-15	230	246	391	647	895	972	920	920	857	687	332	234	7331
2015-	228	251	468	625	859	1014							

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COOLING DEGREE DAYS (base 65°F) 2015 JUNEAU (PAJN)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1986	0	0	0	0	0	2	0	0	0	0	0	0	2
1987	0	0	0	0	0	0	5	0	0	0	0	0	5
1988	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	14	0	0	0	0	0	14
1990	0	0	0	0	0	1	8	3	0	0	0	0	12
1991	0	0	0	0	0	6	0	0	0	0	0	0	6
1992	0	0	0	0	0	6	0	0	0	0	0	0	6
1993	0	0	0	0	0	0	5	0	0	0	0	0	5
1994	0	0	0	0	0	0	0	2	0	0	0	0	2
1995	0	0	0	0	0	1	0	0	0	0	0	0	
1996	0	0	0	0	0	0	2	0	0	0	0	0	2
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	2	3	0	0	0	0	5
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	3	0	0	0	0	0	3
2004	0	0	0	0	0	17	2	5	0	0	0	0	24
2005	0	0	0	0	0	0	0	2	0	0	0	0	2
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	6	0	0	0	0	0	6
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	1	0	0	0	0	0	0	1
2013	0	0	0	0	0	7	2	0	0	0	0	0	9
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	2	5	1	0	0	0	0	8

SNOWFALL (inches) 2015 JUNEAU (PAJN)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1987-88	0.0	0.0	0.0	T	4.6	6.8	3.5	8.0	1.0	0.5	0.0	0.0	24.4
1988-89	0.0	0.0	0.0	0.0	4.8	11.3	44.7	0.2	10.0	T	0.0	0.0	71.0
1989-90	0.0	0.0	0.0	0.6	32.5	6.4	36.5	39.4	0.6	0.0	0.0	0.0	116.0
1990-91	0.0	0.0	0.0	0.0	48.8	33.2	31.8	15.5	9.4	0.8	T	0.0	139.5
1991-92	0.0	0.0	0.0	5.4	7.7	49.3	14.3	12.4	4.1	T	T	0.0	93.2
1992-93	0.0	0.0	0.0	1.1	4.4	25.0	32.5	36.8	2.6	T	0.0	0.0	102.4
1993-94	0.0	0.0	0.0	0.0	4.3	10.4	61.2	32.4	22.9	T	0.0	0.0	131.2
1994-95	0.0	0.0	0.0	0.0	69.8	25.8	8.6	14.0	28.4	T	0.0	0.0	146.6
1995-96	0.0	0.0	0.0	0.0	2.9	23.0	20.8	33.1	5.5	T	0.0	0.0	85.3
1996-97	0.0	0.0	0.0	.5	2.5	4.6	12.3	17.3	19.2	0.4	0.0	0.0	56.8
1997-98	0.0	0.0	0.0	1.9	1.2	14.9	12.9	0.5	4.2	T	T	0	35.6
1998-99	0	0	0	T	6.4	22.8	53.1	34.2	7.3	1.1	T	0.0	124.9
1999-00	0.0	0.0	0.0	T	5.1	19.9	13.6	4.6	T	T	0.0	0.0	43.2
2000-01	0.0	0.0	T	2.3	1.0	2.3	7.6	14.9	0.6	T	T	0.0	28.7
2001-02	0.0	0.0	0.0	3.4	3.1	25.5	18.9	28.9	2.5	T	0.0	0.0	82.3
2002-03	0.0	0.0	0.0	0.0	0.0	17.7	15.3	6.2	17.7	T	0.0	0.0	56.9
2003-04	0.0	0.0	0.0	0.0	24.9	11.9	34.2	2.8	18.5	T	0.0	0.0	92.3
2004-05	0.0	0.0	0.0	T	1.9	10.8	46.7	16.6	1.0	1.6	0.0	0.0	78.6
2005-06	0.0	0.0	0.0	0.0	8.3	4.6	30.8	3.2	6.9	0.5	T	0.0	54.3
2006-07	0.0	0.0	0.0	T	64.2	25.4	27.5	10.6	62.7	0.0	0.0	0.0	190.4
2007-08	0.0	0.0	0.0	0.0	4.5	12.6	22.9	43.9	13.5	13.7	T	0.0	111.1
2008-09	0.0	0.0	0.0	4.6	3.8	32.7	75.2	30.4	31.3	2.2	0.0	0.0	180.2
2009-10	0.0	0.0	0.0	0.2	19.8	8.9	20.4	0.4	12.6	3.3	T	0.0	65.6
2010-11	0.0	0.0	0.0	0.0	7.7	20.1	15.5	30.2	4.6	0.3	0.0	0.0	78.4
2011-12	0.0	0.0	0.0	T	49.0	14.5	48.6	4.8	14.6	0.0	T	0.0	131.5
2012-13	0.0	0.0	0.0	1.4	15.4	26.7	18.2	1.4	8.3	12.1	T	0.0	83.5
2013-	0.0	0.0	0.0	T	19.2	40.4							
2013-14	0.0	0.0	0.0	T	19.2	40.4	4.7	26.8	6.0	0.3	0.0	0.0	97.4
2014-15	0.0	0.0	T	0.0	9.8	3.5	15.1	10.3	9.9	T	0.0	0.0	48.6
2015-	0.0	0.0	0.0	T	16.6	16.3							
POR= 70 YRS	0.0	0.0	T	1.0	12.2	21.4	25.7	18.3	13.6	2.6	T	0.0	94.8

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REFERENCE NOTES :

<p>PAGE 1: THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3: H/C INDICATES HEATING AND COOLING DEGREE DAYS. RH INDICATES RELATIVE HUMIDITY W/O INDICATES WEATHER AND OBSTRUCTIONS S INDICATES SUNSHINE. PR INDICATES PRESSURE. CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL: T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE. + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES. BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA. 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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2015 JUNEAU ALASKA (PAJN)

Juneau lies well within the area of maritime influences which prevail over the coastal areas of southeastern Alaska, and is in the path of most storms that cross the Gulf of Alaska. Consequently, the area has little sunshine, generally moderate temperatures, and abundant precipitation. In contrast with the characteristic lack of sunshine there are greatly appreciated intervals, sometimes lasting for several days at a stretch, during which clear skies prevail. The rugged terrain exerts a fundamental influence upon local temperatures and the distribution of precipitation, creating considerable variations in both weather elements within relatively short distances.

Temperature variations, both daily and seasonal, are usually confined to relatively narrow limits by the dominant maritime influences. There are, however, periods of comparatively severe cold, which usually start with strong northerly winds, and are most often caused by the flow of cold air from northwestern Canada through nearby mountain passes and over the Juneau ice field. These are generally of brief duration. During such periods strong, gusty winds, known locally as Taku Winds, often occur especially in downtown Juneau, Douglas, and other local areas, but generally they are not felt in the Mendenhall Valley. At times these are strong enough to cause considerable damage. During periods of calm or light winds, temperature differences within short distances are frequently very pronounced. Variations in local sunlight and air drainage patterns produce wide differences in temperatures particularly between upland or sloping areas and areas of low, flat terrain. Juneau International Airport, located on low, flat terrain formed by the Mendenhall River delta, and in the path of drainage air from the Mendenhall Glacier, averages about 10 days a year with minimum readings below zero. Downtown Juneau, located on a sloping portion of a rugged mountain area, experiences on the average only about one day each year with minimum readings below zero. At the airport the growing season averages 146 days, from May 4 to September 28, while the downtown average is 181 days, from April 22 to October 21.

The months of February to June mark the period of lightest precipitation, with monthly averages of about 3 inches. After June the monthly amounts increase gradually, reaching an average of 7.71 inches in October. Due to the rugged topography, precipitation throughout the year tends to vary greatly within short distances. At the Juneau Airport, yearly precipitation is 53 inches while downtown, only 8 miles away, it is 93 inches. The maximum yearly amount received in the city is almost double the maximum received at the airport.

Although a trace of snow has fallen as early as September 9, first falls usually occur in the latter part of October, and sometimes not until the first part of December. On the average there is very little accumulation on the ground at low levels until the last of November, although at higher elevations, and particularly on mountain tops, a cover is usually established in early October. Snow accumulation usually reaches its greatest depth during the middle of February. Individual storms may produce heavy falls as late as the first half of May. However, snow cover is usually gone before the middle of April. Ice accumulations due to alternating thawing and freezing of snow or due to freezing precipitation are frequent problems in the Juneau area during the winter months.

Station History

JUNEAU, AK

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
JUNEAU INTL AP	1981-12-31	1982-01-01	58° 22'	-134° 34'	20		COOP
JUNEAU INTL AP	1998-03-01	2006-12-19	58° 21'	-134° 34'	12		AIRWAYS, ASOS, COOP
JUNEAU MUNICIPAL AP	1968-01-01	1979-01-01	58° 22'	-134° 34'	20		COOP, WXSVC
JUNEAU MUNICIPAL AP	1979-01-01	1979-06-14	58° 22'	-134° 34'	20		AIRWAYS, COOP
JUNEAU AP	1943-07-01	1946-09-01	58° 22'	-134° 34'			AIRWAYS
JUNEAU MUNICIPAL AP	1959-04-16	1968-01-01	58° 22'	-134° 34'	20		AIRWAYS, COOP
JUNEAU AP	1959-01-01	1959-04-16	58° 22'	-134° 34'	20		AIRWAYS, COOP
JUNEAU INTL AP	1979-06-14	1981-12-31	58° 22'	-134° 34'	20		AIRWAYS, COOP
JUNEAU AP	1946-09-01	1959-01-01	58° 22'	-134° 34'	23		AIRWAYS, COOP
JUNEAU INTL AP	1982-01-01	1998-03-01	58° 22'	-134° 34'	12		COOP
JUNEAU INTL AP	2006-12-19	Present	58° 21'	-134° 33'	16		AIRWAYS, ASOS, COOP

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
TEMP	1968-05-01	1971-05-01	DAILY	1700	MXMN		
TEMP	1971-05-01	1979-06-16	DAILY	1000	MXMN		
PRECIP	1943-07-01	1968-05-01	DAILY	UNKN			
TEMP	1985-09-01	1998-03-01	DAILY	2400	HYGR		
PRECIP	2006-12-19	Present	DAILY	2400	PCPNX		
PRECIP	2006-12-19	Present	HOURLY	2400	AWPAG	RCRD;HTD	
PRECIP	1968-05-01	1971-05-01	DAILY	1700	SRG		
PRECIP	1971-05-01	1979-06-16	DAILY	1000	SRG		
PRECIP	1998-03-01	2006-08-22	DAILY	2400	TB	RCRD	
TEMP	1998-03-01	2006-08-22	DAILY	2400	HYGR		
TEMP	2006-08-22	2006-12-19	DAILY	2400	HYGR		
WIND	2006-12-19	Present	HOURLY	UNKN	ANEMSONIC		
TEMP	1943-07-01	1968-05-01	DAILY	UNKN			
TEMP	1985-04-05	1985-09-01	DAILY	2300	MMTS		
PRECIP	1985-04-05	1985-09-01	DAILY	2300	TB	RCRD	
WIND	1998-03-01	2006-08-22	HOURLY	UNKN	ANEMCUP		
WIND	2006-08-22	2006-12-19	HOURLY	UNKN	ANEMSONIC		
PRECIP	1979-06-16	1985-04-05	DAILY	2400	SRG		
PRECIP	2006-08-22	2006-12-19	DAILY	2400	TB	RCRD	
TEMP	2006-12-19	Present	DAILY	2400	ATEMP		
PRECIP	1985-09-01	1998-03-01	DAILY	2400	TB	RCRD	
TEMP	1979-06-16	1985-04-05	DAILY	2400	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>

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

Fax Number : (828) 271-4876

TDD : (828) 271-4010

Email : ncdc.orders@noaa.gov

NOAA/National Centers for Environmental Information

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