

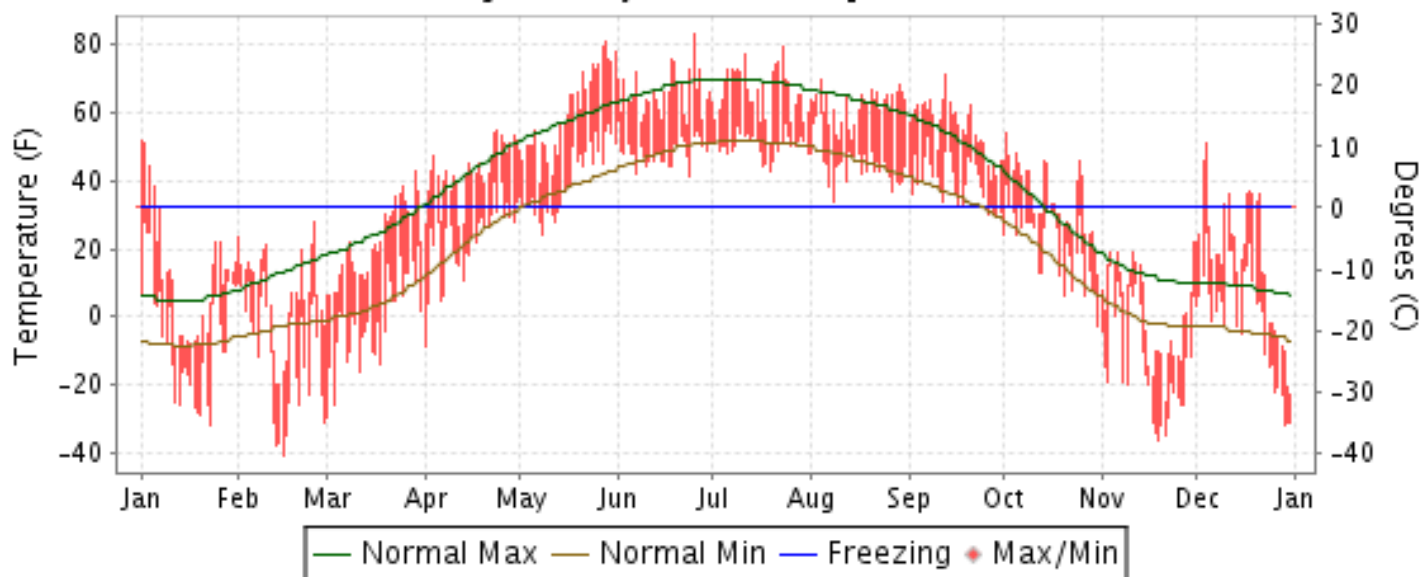


# 2011 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

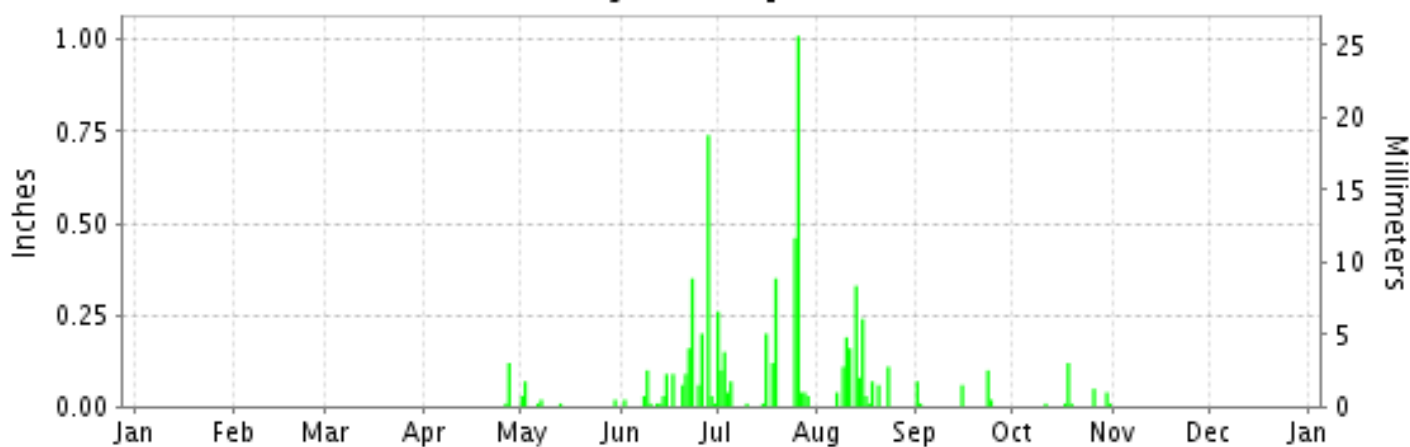
ISSN 0197-9663

## DELTA JUNCTION/FT GREELY, ALASKA (PAB1)

### Daily Max/Min Temperature



### Daily Precipitation



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ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
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# METEOROLOGICAL DATA FOR 2011

## DELTA JUNCTION/FT GREELY (PABI)

LATITUDE: 63° 59'N      LONGITUDE: -145° 43'W      ELEVATION (FT): GRND: 1277 BARO: 1296      TIME ZONE: ALASKA (UTC -9)      WBAN: 26415

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	12.2	6.9	21.8	42.7	60.4	65.8	66.3	62.1	56.0	35.2	2.1	12.2	37.0	
	HIGHEST DAILY MAXIMUM	52	28	43	55	81	83	79	70	71	54	22	52	83	
	DATE OF OCCURRENCE	01	25	29	24	28	25	23	04	13	02	30	01	JUN 25	
	MEAN DAILY MINIMUM	-5.8	-11.1	-0.9	22.8	40.3	48.7	50.6	45.1	39.7	21.2	-13.2	-5.8	19.3	
	LOWEST DAILY MINIMUM	-32	-41	-30	-9	24	41	43	34	30	-3	-36	-32	-41	
	DATE OF OCCURRENCE	23	15	01	01	08	24	19	08	29+	31	19	23	FEB 15	
	AVERAGE DRY BULB	3.2	-2.0	10.5	32.8	50.4	57.3	58.5	53.6	47.9	28.2	-5.4	5.8	28.4	
	MEAN WET BULB	2.7		9.0	28.1	41.0	50.0	52.1	48.2	41.9	25.9		2.7		
	MEAN DEW POINT	-2.9		-1.1	17.8	28.2	43.2	46.9	42.6	34.7	21.9		-2.9		
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 70	0	0	0	0	9	8	12	1	1	0	0	0	0	31
	MAXIMUM <= 32°	27	28	25	4	0	0	0	0	0	14	30	27	155	
	MINIMUM <= 32°	31	28	31	26	9	0	0	0	4	28	30	31	218	
MINIMUM <= 0°	18	19	17	1	0	0	0	0	0	1	22	18	96		
H/C	HEATING DEGREE DAYS	1907	1872	1688	960	451	230	197	349	509	1134	2109	1907	13313	
	COOLING DEGREE DAYS	0	0	0	0	5	3	1	0	0	0	0	0	9	
RH	MEAN (PERCENT)	73	76	56	55	46	64	69	70	64	78	77	79	67	
	HOUR 03 LST	72	75	65	67	62	77	82	81	75	83	78	78	75	
	HOUR 09 LST	76	78	62	58	45	66	72	75	72	83	78	81	71	
	HOUR 15 LST	72	72	43	40	31	51	55	55	49	69	75	81	58	
	HOUR 21 LST	73	77	54	54	44	62	65	71	64	79	78	79	67	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	1	2	0	0	0	1	0	1	2	3	1	1	12	
	THUNDERSTORMS	0	0	0	0	0	2	0	0	0	0	0	0	2	
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.)	28.56	28.70	28.47	28.39	28.51	28.47	28.46	28.40	28.21	28.24	28.31	28.56	28.44	
	MEAN SEA-LEVEL PRESS. (IN.)	30.06	30.23	29.95	29.81	29.89	29.83	29.82	29.77	29.58	29.66	29.83	30.06	29.87	
WINDS	RESULTANT SPEED (MPH)	10.7	2.9	8.4	3.8	3.5	2.3	3.3	4.9	5.4	6.0	5.2	47	7.2	
	RES. DIR. (TENS OF DEGS.)	12	12	11	21	21	22	25	18	15	12	12	12	14	
	MEAN SPEED (MPH)	12.6	9.1	10.8	8.3	8.6	7.3	6.5	9.2	9.4	8.6	8.9	12.6	9.3	
	PREVAIL.DIR.(TENS OF DEGS.)	11	11	11	25	20	24	24	18	11	11	11	11	11	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	47	39	44	44	34	39	33	44	43	45	39			
	DIR. (TENS OF DEGS.)	18	31	10	18	18	18	19	19	19	17	11	18		
	DATE OF OCCURRENCE	02	25	05	07	20	03	24	02	07	25	03	02		
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	63	54	56	62	47	54	51	63	58	56	47	63	63	
DIR. (TENS OF DEGS.)	18	30	12	19	17	18	19	19	19	17	11	18	18		
DATE OF OCCURRENCE	02	25	05	07	20	03	23	02	07	25	19	02	DEC 02		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)					0.16	2.09	2.89	1.43	0.26	0.25				
	GREATEST 24-HOUR (IN.)					0.07	0.75	1.47	0.33	0.12	0.12				
	DATE OF OCCURRENCE					02	28-29	25-26	13	23-24	18				
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01					6	18	15	12	5	7					
PRECIPITATION 0.10					0	5	8	6	1	1					
PRECIPITATION 1.00					0	0	1	0	0	0					
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)														
	GREATEST 24-HOUR (IN.)														
	DATE OF OCCURRENCE														
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0															

# NORMALS, MEANS, AND EXTREMES DELTA JUNCTION/FT GREELY (PABI)

**LATITUDE:** 63° 59'N      **LONGITUDE:** -145° 43'W      **ELEVATION (FT):** GRND: 1277 BARO: 1296      **TIME ZONE:** ALASKA (UTC -9)      **WBAN: 26415**

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	4.4	10.9	25.1	42.5	57.8	67.3	70.4	64.8	53.2	31.1	13.5	7.2	37.4
	MEAN DAILY MAXIMUM	67	3.8	12.4	23.4	40.8	57.1	66.4	69.4	64.4	52.5	31.9	13.6	5.7	36.8
	HIGHEST DAILY MAXIMUM	67	54	51	58	72	90	92	91	90	79	74	52	55	92
	YEAR OF OCCURRENCE		2009	2003	1981	1979	1947	1969	1958	1994	1963	2003	1979	1985	JUN 1969
	MEAN OF EXTREME MAXS.	68	32.4	37.2	43.5	58.0	71.8	79.7	82.3	78.5	66.6	51.5	36.8	33.2	56.0
	NORMAL DAILY MINIMUM	30	-9.6	-6.4	3.2	21.7	37.7	47.6	51.1	46.1	35.6	17.0	-8	-7.1	19.7
	MEAN DAILY MINIMUM	68	-10.5	-4.5	1.8	20.7	37.1	46.9	50.6	45.8	35.5	18.3	-0.0	-8.4	19.4
	LOWEST DAILY MINIMUM	67	-63	-60	-49	-37	-1	26	32	22	-2	-39	-47	-62	-63
	YEAR OF OCCURRENCE		1947	1947	1964	1944	1945	2006	1971	1948	1983	1975	1986	1946	JAN 1947
	MEAN OF EXTREME MINS.	68	-40.6	-34.7	-25.1	-3.9	24.9	37.0	41.9	33.4	20.4	-6.9	-26.6	-36.6	-1.3
	NORMAL DRY BULB	30	-2.6	2.3	14.2	32.1	47.8	57.5	60.8	55.5	44.4	24.1	6.4	.1	28.6
	MEAN DRY BULB	66	-3.0	4.0	12.6	30.8	47.1	56.9	59.9	55.2	44.0	25.1	6.8	-1.2	28.2
	MEAN WET BULB	23	2.6	8.4	11.2	25.9	37.6	47.8	51.3	48.1	38.9	24.8	9.2	5.5	25.9
	MEAN DEW POINT	23	-2.2	1.5	5.8	19.5	31.1	41.6	46.9	43.5	34.7	21.3	4.6	0.9	20.8
	NORMAL NO. DAYS WITH: MAXIMUM >= 70	30	0.0	0.0	0.0	0.0	2.1	10.5	15.3	8.3	0.6	0.0	0.0	0.0	36.8
MAXIMUM <= 32	30	25.8	21.8	18.2	5.1	0.1	0.0	0.0	0.0	0.5	15.5	24.7	26.0	137.7	
MINIMUM <= 32	30	27.8	24.4	26.4	21.6	5.8	0.2	*	1.0	8.8	23.8	26.8	27.7	194.3	
MINIMUM <= 0	30	17.6	14.2	11.8	2.2	0.0	0.0	0.0	0.0	0.1	3.0	13.5	17.6	80.0	
H/C	NORMAL HEATING DEG. DAYS	30	2097	1759	1576	987	536	228	144	308	620	1270	1761	2016	13302
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	0	1	12	12	2	0	0	0	27
RH	NORMAL (PERCENT)	30	69	72	67	64	56	59	66	70	72	79	74	74	69
	HOURLY 03 LST	30	69	73	71	72	69	74	79	81	80	82	74	74	75
	HOURLY 09 LST	30	67	69	67	59	52	60	68	72	74	79	73	71	68
	HOURLY 15 LST	30	66	62	54	45	39	47	52	53	55	70	71	70	57
	HOURLY 21 LST	30	67	68	63	59	51	56	65	70	71	79	74	71	66
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	34	1.4	0.8	0.3	0.2	0.5	0.2	0.3	1.1	1.6	1.9	0.7	0.6	9.6
	THUNDERSTORMS	49	0.1	0.0	0.0	0.0	0.4	2.2	1.6	0.4	0.0	0.0	0.0	0.0	4.7
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)	3	3.5	5.6	4.9	6.3	5.9	5.8	4.3	4.2	3.8	4.2	3.6	3.5	4.6
	MIDNIGHT-MIDNIGHT (OKTAS)	1	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
	MEAN NO. DAYS WITH: CLEAR	3	14.3	4.7	8.3	1.7	1.7	3.7	0.2	1.7	4.0	2.8	5.2	5.5	53.8
	PARTLY CLOUDY	3	8.0	6.7	8.0	8.7	11.0	9.3	6.2	6.0	5.0	3.5	4.7	5.2	82.3
	CLOUDY	3	8.7	16.7	14.7	19.7	18.3	17.0	16.7	15.5	13.5	17.0	12.5	12.5	182.8
PR	MEAN STATION PRESSURE(IN)	25	28.40	28.46	28.45	28.43	28.49	28.51	28.55	28.53	28.44	28.35	28.35	28.32	28.44
	MEAN SEA-LEVEL PRES. (IN)	25	29.89	29.95	29.91	29.84	29.87	29.87	29.91	29.89	29.82	29.77	29.83	29.82	29.86
WINDS	MEAN SPEED (MPH)	24	11.9	10.8	9.6	8.7	8.4	7.6	6.7	7.0	8.2	8.9	10.0	12.3	9.2
	PREVAIL.DIR.(TENS OF DEGS)	16	11	11	11	11	24	24	24	11	11	11	12	12	12
	MAXIMUM 2-MINUTE: SPEED (MPH)	14	53	67	48	55	56	43	43	47	49	51	48	52	67
	DIR. (TENS OF DEGS)		19	18	20	16	19	18	17	15	18	18	11	10	18
	YEAR OF OCCURRENCE		2000	2000	2008	2005	2003	2006	2009	2005	1998	2003	2006	2007	FEB 2000
	MAXIMUM 3-SECOND SPEED (MPH)	14	66	77	66	71	66	56	56	63	63	63	61	66	77
	DIR. (TENS OF DEGS)		18	19	20	15	18	19	18	19	17	17	12	11	19
YEAR OF OCCURRENCE		2000	2000	2008	2005	2003	2006	2009	2011	1998	2003	2006	2007	FEB 2000	
PRECIPITATION	NORMAL (IN)	30	0.34	0.41	0.22	0.20	0.77	2.38	2.77	2.11	1.03	0.73	0.59	0.39	11.94
	MAXIMUM MONTHLY (IN)	64	1.35	2.48	1.14	1.98	3.07	5.42	6.75	4.81	3.01	2.07	2.82	2.57	6.75
	YEAR OF OCCURRENCE		1957	1996	1995	1948	1988	1985	2008	2000	1952	1989	1994	1955	JUL 2008
	MINIMUM MONTHLY (IN)	65	T	T	T	T	0.02	0.31	0.56	0.53	0.14	T	0.02	T	0.02
	YEAR OF OCCURRENCE		1961	1975	2010	1995	1944	2003	1994	2001	1984	1969	1998	1973	NOV 1998
	MAXIMUM IN 24 HOURS (IN)	65	0.73	0.59	0.53	0.94	1.18	2.25	2.34	1.34	1.25	1.04	0.44	0.90	2.34
	YEAR OF OCCURRENCE		1957	1996	1995	1963	2009	2006	2008	1995	2007	2010	1994	1955	JUL 2008
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	4.7	4.1	2.8	3.0	5.8	10.3	12.3	12.0	7.5	8.2	6.6	4.8	82.1
	PRECIPITATION >= 1.00	30	0.0	0.0	0.0	0.0	*	0.1	0.3	*	0.0	0.0	0.0	0.0	0.4
SNOWFALL	NORMAL (IN)	30	4.8	5.9	3.5	2.0	0.9	0.*	0.0	0.*	2.3	11.4	11.2	6.1	48.1
	MAXIMUM MONTHLY (IN)	52	20.9	32.0	24.9	19.0	10.9	T	0.0	T	14.0	23.0	41.8	29.0	41.8
	YEAR OF OCCURRENCE		1950	1996	1967	1948	1989	1974		1995	1981	1997	1994	1955	NOV 1994
	MAXIMUM IN 24 HOURS (IN)	49	8.5	9.1	6.4	10.0	9.3	T	0.0	T	8.0	10.4	9.5	10.0	10.4
	YEAR OF OCCURRENCE		1957	1996	1950	1982	1989	1963		1995	1981	1981	1994	1965	OCT 1981
	MAXIMUM SNOW DEPTH (IN)	47	55	59	50	40	12	0	0	0	11	14	30	49	59
	YEAR OF OCCURRENCE		1956	1956	1956	1967	1950				1992	1972	1994	1955	FEB 1956
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	2.3	1.8	1.8	0.8	0.3	0.0	0.0	0.0	0.6	4.1	4.0	2.3	18.0	

**PRECIPITATION (inches) 2011 DELTA JUNCTION/FT GREELY (PABI)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1982	0.12	0.39	0.17	0.55	1.09	2.28	3.57	1.30	0.98	0.85	0.44	0.11	11.85
1983	0.22	0.18	0.13	0.09	0.31	1.28	4.62	2.16	1.09	1.31	0.08	0.18	11.65
1984	0.35	0.13	T	0.02	1.72	3.74	5.98	2.74	0.14	0.89	0.19	0.81	16.71
1985	0.80	0.70	0.19	0.12	0.06	5.42	1.79	2.17	1.94	1.45	1.26	0.30	16.20
1986	0.59	0.38	0.45	0.37	0.27	1.63	3.00	1.67	1.16	0.79	1.22	0.49	12.02
1987	0.31	0.58	T	0.56	0.15	1.96	2.96	1.14	1.26	0.86	1.12	0.99	11.89
1988	0.41	0.49	0.46	0.63	3.07	3.25	3.00	1.23	0.31	1.13	0.73	0.53	15.24
1989	1.05	0.27	0.32	0.04	1.65	3.73	2.76	2.33	1.56	2.07	1.38	0.57	17.73
1990	0.44												
1991													
1992													
1993							1.70	2.23	1.55	0.75	1.07	0.15	
1994	0.10	0.42	0.35	0.12	0.58	1.81	0.56	0.55	0.70	1.49	2.82	0.65	10.15
1995	0.25	1.44	1.14	T	0.86	2.97	0.93	3.93	0.80	0.63	0.42	0.20	13.57
1996	0.69	2.48	0.08	0.02	0.19	2.21	2.13	1.44	1.01	.89	1.01	1.05	13.20
1997	0.33	0.25	0.25	0.20	1.11	1.66	2.35	3.09	0.75	1.42	0.51		
1998			T	0.02	0.36	0.97	5.27	1.86	0.81	0.20	0.02	0.10	
1999	0.03	0.19	T	0.68	0.90	2.12	2.30	2.51	0.90	0.24	0.08	0.25	10.20
2000	0.13	0.28	0.03	0.19	0.33	0.81	1.51	4.81	1.32	0.12	0.15	0.05	9.73
2001	0.27	0.13	0.04	T	0.66	0.67	4.25	0.53	0.65	0.55	0.07	0.02	7.84
2002	0.05	T	0.16	0.57	0.48	2.99	2.06	3.52	1.26	0.62	0.19	0.13	12.03
2003	0.01	T	0.09	0.03	0.32	0.31	3.63	1.73	1.29	0.07	0.31	0.08	7.87
2004	0.09	0.06	0.08	0.13	1.68	1.21	1.54	0.91	0.81	0.57	0.20	0.39	7.67
2005	0.32	0.06	0.15	0.02	0.95	2.64	2.18	1.16	1.42	0.37	0.31	0.13	9.71
2006	0.05	0.20	0.06	0.04	1.27	5.41	0.90	1.28	0.36	0.71	0.06	0.29	10.63
2007	0.37	0.16	0.16	0.22	1.58	1.86	2.06	1.80	2.25	0.58	0.12	0.48	11.64
2008	0.06	0.09	0.07	0.43	0.41	2.24	6.75	0.83	0.26	0.44	0.49	0.21	12.28
2009	0.06	0.20	0.13	0.11	1.78	2.19	0.97	1.97	0.64	0.19	0.24	0.23	8.71
2010	0.30	0.17	T	0.79	0.79	3.77	1.79	1.20	1.22	1.18	0.45	0.36	12.02
2011			T	0.14	0.16	2.09	2.89	1.43	0.26	0.25	0.22	0.00	
POR= 68 YRS	0.30	0.29	0.23	0.25	0.88	2.31	2.63	1.91	1.06	0.62	0.44	0.34	11.26

WBAN : 26415

**AVERAGE TEMPERATURE (°F) 2011 DELTA JUNCTION/FT GREELY (PABI)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1982	-13.2	-4.9	12.5	26.0	43.7	56.5	59.6	53.0	47.2	13.1	5.9	5.7	25.4
1983	-8.4	7.0	9.6	34.5	47.3	57.5	59.6	51.2	37.2	21.7	12.7	-1.3	27.4
1984	-0.8	-8.7	24.3	30.7	45.6	57.3	57.8	51.8	45.8	23.9	0.7	-0.3	27.3
1985	20.8	-7.5	17.4	19.8	44.5	53.3	59.8	53.5	43.1	17.2	-0.4	16.0	28.1
1986	7.4	7.7	5.9	20.2	44.1	58.0	60.0	53.4	44.4	28.6	3.2	14.9	29.0
1987	6.1	10.6	14.5	32.4	47.9	57.3	60.1	55.5	43.4	33.2	7.3	2.4	30.9
1988	3.4	9.1	19.5	32.9	48.8	57.9	61.3	56.1	43.1	18.5	0.8	7.8	29.9
1989	-20.6	8.0	6.4	36.4	46.6	57.4	62.7	59.6	47.2	24.7	-2.8	11.8	28.1
1990	-4.9												
1991													
1992													
1993								55.6	44.9	31.0	10.5	9.3	
1994	4.8	-3.7	13.9	35.4	49.9	56.8	63.3	60.7	44.6	23.1	0.6	-4.8	28.7
1995	0.8	5.2	6.3	39.0	54.0	59.1	62.0	54.8	52.0	28.5	0.9	1.9	30.4
1996			16.5	33.3	48.0	57.2	61.6	53.7	42.7	13.2	5.5	-8.4	
1997	-6.8	20.5	6.4	34.6		60.7	62.9	57.7	49.4	16.0	17.7	4.7	
1998	-4.4	12.0	23.0	39.3	49.1	56.1	60.2	52.0	44.3	26.5	9.4	-4.2	30.3
1999	-10.4	-10.7	13.8	32.4	43.3	59.1	59.3	56.5	44.4	20.5	4.0	-3.1	25.8
2000	-2.8	16.0	22.8	32.0	42.5	58.9	57.7	49.2	39.9	22.4	15.6	9.4	30.3
2001	15.3	13.3	14.1	34.7	42.5	58.9	57.6	56.3	45.8	21.7	4.9	-4.2	30.1
2002	10.3	8.6	11.3	23.3	48.1	56.5	59.6	53.0	45.8	33.8	25.2	10.8	32.2
2003	6.1	19.5	10.5	32.7	45.8	58.4	59.6	55.2	39.1	33.4	7.8	-1.1	30.6
2004	-11.3	13.5	8.6	36.4	51.0	64.5	63.5	61.1	37.1	28.6	15.7	5.1	31.2
2005	-5	5.7	25.5	34.6	53.4	59.4	59.8	56.9	46.5	27.4	-4.3	17.7	31.8
2006	-7.5	12.3	7.0	30.0	48.5	55.9	60.1	54.4	49.2	31.8	-9.5	4.3	28.0
2007	0.2	1.0	-3.7	37.7	49.0	60.0	62.2	58.7	45.9	21.6	19.6	1.8	29.5
2008	-4.7	1.2	18.7	30.0	47.1	56.8	56.1	51.9	45.2	15.6	4.6	-5.1	26.5
2009	-5.2	8.4	7.7	33.0	49.5	56.9	64.7	52.9	45.3	31.1	5.4	5.5	29.6
2010	-2.9	12.8	16.0	35.9	51.5	56.8	60.6	58.2	44.2	27.9	13.8	-14.2	30.1
2011	3.2	-2.0	10.5	32.8	50.4	57.3	58.5	53.6	47.9	28.2	-5.4	5.8	28.4
POR= 66 YRS	-3.0	4.0	12.6	30.8	47.1	56.9	59.9	55.2	44.0	25.1	6.8	-1.2	28.2

**HEATING DEGREE DAYS (base 65°F) 2011 DELTA JUNCTION/FT GREELY (PABI)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1982-83	172	363	528	1607	1773	1838	2275	1622	1711	909	547	238	13583
1983-84	168	423	825	1334	1563	2057	2044	2140	1254	1022	594	227	13651
1984-85	219	405	573	1267	1929	2023	1361	2030	1469	1348	630	343	13597
1985-86	155	351	650	1480	1962	1516	1783	1603	1831	1343	640	208	13522
1986-87	171	353	615	1119	1855	1548	1826	1516	1563	972	521	244	12303
1987-88	149	286	641	982	1726	1942	1908	1620	1403	957	495	207	12316
1988-89	121	272	651	1434	1927	1769	2655	1593	1813	851	566	222	13874
1989-90	103	166	526	1242	2033	1643	2168						
1990-91													
1991-92													
1992-93													
1993-94		295	598	1047	1631	1722	1866	1926	1583	883	459	246	
1994-95	75	204	606	1290	1932	2166	1991	1673	1819	773	341	187	13057
1995-96	103	311	384	1123	1923	1956			1497	945	519	228	
1996-97	108	342	663	1604	1781	2269	2219	1237	1810	907		152	
1997-98	77	228	463	1511	1413	1864	2143	1478	1292	764	485	275	11993
1998-99	160	393	617	1185	1660	2139	2331	2112	1580	971	666	183	13997
1999-00	182	276	613	1374	1823	2105	2094	1413	1301	984	691	185	13041
2000-01	220	483	744	1314	1473	1714	1534	1441	1569	903	688	176	12259
2001-02	225	261	569	1337	1797	2136	1692	1573	1655	1245	517	249	13256
2002-03	166	362	570	958	1187	1674	1818	1267	1684	961	588	193	11428
2003-04	177	298	768	971	1709	2042	2357	1489	1746	851	427	90	12925
2004-05	68	139	830	1125	1472	1849	2026	1655	1215	905	352	168	11804
2005-06	158	256	547	1159	2073	1459	2240	1469	1792	1044	504	270	12971
2006-07	151	319	468	1021	2230	1699	2001	1789	2127	814	490	150	13259
2007-08	86	190	569	1339	1353	1952	2157	1844	1428	1045	548	242	12753
2008-09	273	398	588	1525	1806	2168	2174	1576	1773	952	473	234	13940
2009-10	54	375	584	1045	1779	1838	2101	1458	1511	865	413	239	12262
2010-11	133	232	614	1143	1528	2444	1907	1872	1688	960	451	230	13202
2011-	197	349	509	1134	2109	1907							

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**COOLING DEGREE DAYS (base 65°F) 2011 DELTA JUNCTION/FT GREELY (PABI)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1982	0	0	0	0	0	13	11	0	0	0	0	0	24
1983	0	0	0	0	5	20	5	0	0	0	0	0	30
1984	0	0	0	0	0	0	0	4	0	0	0	0	4
1985	0	0	0	0	0	0	1	0	0	0	0	0	1
1986	0	0	0	0	0	4	22	2	0	0	0	0	28
1987	0	0	0	0	0	19	5	0	0	0	0	0	24
1988	0	0	0	0	0	2	15	5	0	0	0	0	22
1989	0	0	0	0	0	1	39	5	0	0	0	0	45
1990	0												
1991													
1992													
1993								9	0	0	0	0	
1994	0	0	0	0	0	6	28	77	0	0	0	0	111
1995	0	0	0	0	5	17	18	2	0	0	0	0	42
1996			0	0	0	3	7	0	0	0	0	0	
1997	0	0	0	0		30	19	10	0	0	0	0	
1998	0	0	0	0	0	13	18	0	0	0	0	0	31
1999	0	0	0	0	0	11	13	18	0	0	0	0	42
2000	0	0	0	0	0	7	1	0	0	0	0	0	8
2001	0	0	0	0	0	2	4	0	0	0	0	0	6
2002	0	0	0	0	0	0	5	0	0	0	0	0	5
2003	0	0	0	0	0	4	17	0	0	0	0	0	21
2004	0	0	0	0	0	80	30	23	0	0	0	0	133
2005	0	0	0	0	0	6	5	9	0	0	0	0	20
2006	0	0	0	0	0	2	7	0	0	0	0	0	9
2007	0	0	0	0	0	9	6	1	0	0	0	0	16
2008	0	0	0	0	0	3	4	0	0	0	0	0	7
2009	0	0	0	0	0	0	54	6	0	0	0	0	60
2010	0	0	0	0	3	0	3	32	0	0	0	0	38
2011	0	0	0	0	5	3	1	0	0	0	0	0	9

**SNOWFALL (inches) 2011 DELTA JUNCTION/FT GREELY (PABI)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1978-79	0.0	0.0	T	19.8	13.5	7.5	3.7	2.3	1.3	1.0	0.0	0.0	49.1
1979-80	0.0	0.0	T	1.6	5.9	5.9	6.5	7.0	1.6	T	0.0	0.0	28.5
1980-81	0.0	0.0	0.8	7.1	6.8	1.5	T	3.8	0.3	5.0	0.0	0.0	25.3
1981-82	0.0	T	14.0	18.4	3.4	4.0	1.5	4.5	4.3	12.8	T	0.0	62.9
1982-83	0.0	0.0	T	9.6	6.7	0.9	3.5	2.3	2.4	0.2	0.0	0.0	25.6
1983-84	0.0	0.0	3.5	13.6	2.4	6.2	8.1	2.2	T	2.0	T	0.0	38.0
1984-85	0.0	T	0.0	16.0	5.6	17.2	9.7	10.2	3.0	2.3	0.5	0.0	64.5
1985-86	0.0	0.0	2.0	10.5	24.7	6.7	9.7	8.9	6.4	5.3	1.4	0.0	75.6
1986-87	0.0	0.0	3.2	4.0	16.3	5.6	3.8	2.4	0.0	2.9	0.0	0.0	38.2
1987-88	0.0	0.0	T	8.4	16.4	8.6	4.8	6.4	5.4	0.6	T	0.0	50.6
1988-89	0.0	0.0	0.1	13.0	10.1	6.0	11.1	2.9	3.1	T	10.9	0.0	57.2
1989-90	0.0	0.0	T	19.7	11.5	6.1							
1992-93													
1993-94	0.0	T	5.6	5.4	27.1	2.5	2.0	10.0	6.8	3.1	0.0	0.0	62.5
1994-95	0.0	0.0	T	20.1	41.8	8.9	3.6	14.4	13.1	T	1.2	0.0	103.1
1995-96	0.0	T	T	8.4	5.4	3.3	10.3	32.0	1.7	0.1	T		
1996-97	0.0	0.0	1.9	11.6	14.3	10.4	5.5	4.4	3.3	2.5	0.0	T	53.9
1997-98	0.0	0.0	0.0	23.0	10.5								
1998-99													
1999-00													
2000-01													
2001-02													
2002-03													
2003-04													
2004-05													
2005-06													
2006-07													
2007-08													
2008-09													
2009-10													
POR= 53 YRS	0.0	T	1.6	9.2	8.5	5.8	5.6	5.2	4.4	2.9	0.7	T	43.9

WBAN : 26415

**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: <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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# 2011

## DELTA JUNCTION/FT GREELY

### ALASKA (PABI)

Big Delta Airport is located approximately 1 1/2 miles from the east bank of the Delta River on the Richardson Highway and 3 miles south of the junction of the Richardson Highway with the Alaska Highway. The nearest community is Delta Junction, at the highway junction. The community of Big Delta is about 10 miles to the north where the Delta River and Tanana River join. Terrain in all directions is comparatively flat with a very gradual decrease in elevation to the north, and an increase to the south, reaching an elevation of 2,000 feet at a distance of 14 miles. Beyond this point the rise in elevation is more rapid. Isabell Pass, through the highest portion of the Alaska Range, is 60 miles to the south. From a large scale viewpoint, even though the airport is located near the Delta River, its climate is influenced more by the Tanana River valley lying between two northwest-southeast oriented mountain ranges.

The climate in this portion of Alaska is continental. Summer temperatures are mild, with maximums generally in the 65 to 80 degree range, but reaching the 90 degree level on rare occasions. There are 18 to 21 hours of sunshine daily. A number of thunderstorms occur every summer. The average freeze-free period is about 114 days, extending from mid-May to early September. Potatoes are grown commercially in the area.

Winters are cold, generally with four months of minimum temperatures below zero. The days are short, the nights long. The transition periods between summer and winter and vice versa are rapid, with the daily change almost perceptible.

The annual precipitation of less than 12 inches is low for crop growth. However, well over half occurs during the summer, at the time most needed. Winter snowfall is light and generally stays on the ground throughout the winter.

Surface winds follow a normal pattern of strongest speeds in winter, lightest in summer. The direction, east-southeast, follows the orientation of the Tanana Valley from early fall to early spring, and follows the orientation of the Delta River, southwest, during the months of May through July. Wind averages and extremes are high when compared to other interior Alaska locations. With strong pressure gradients both the Tanana and Delta River valleys experience a venturi effect accentuating the already high speeds.

# Station History

DELTA JUNCTION/FT GREELY, AK

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
BIG DELTA AP	1981-12-31	1982-01-01	64° 00'	-145° 43'	1276		COOP
BIG DELTA AP	1944-01-01	1946-01-01	64° 00'	-145° 43'			MILITARY
BIG DELTA AP	1997-12-15	2011-07-20	63° 59'	-145° 43'	1268		AIRWAYS, ASOS, COOP
BIG DELTA AP	1949-09-01	1949-09-30	64° 00'	-145° 43'			AIRWAYS, COOP
BIG DELTA AP	1982-01-01	1997-12-15	64° 00'	-145° 43'	1268		COOP
ALLEN AAF	1935-10-01	1941-12-22	64° 7'	-145° 43'			AIRWAYS
BIG DELTA AP	1941-12-22	1942-01-01	64° 7'	-145° 43'			AIRWAYS
BIG DELTA AP	1942-01-01	1944-01-01	64° 00'	-145° 43'			AIRWAYS
BIG DELTA AP	1946-01-01	1949-09-01	64° 00'	-145° 43'			AIRWAYS
BIG DELTA AP	1949-09-30	1981-12-31	64° 00'	-145° 43'	1276		AIRWAYS, COOP
BIG DELTA AP	2011-07-20	Present	63° 59'	-145° 43'	1277		AIRWAYS, ASOS, COOP

# Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
PRECIP	2011-07-20	Present	HOURLY	2400	AWPAG	RCRD;HTD	
TEMP	2011-07-20	Present	DAILY	2400	ATEMP		
PRECIP	1999-08-01	2011-07-20	DAILY	2400			
PRECIP	1935-10-01	1999-08-01	DAILY	2000			
TEMP	1999-08-01	2011-07-20	DAILY	2400			
TEMP	1935-10-01	1999-08-01	DAILY	2000			
PRECIP	2011-07-20	Present	DAILY	2400	AWPAG	RCRD;HTD	

\* 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.info@noaa.gov](mailto:ncdc.info@noaa.gov)

NOAA/National Climatic Data Center

Attn: User Engagement & Services Branch

151 Patton Avenue

Asheville, NC 28801-5001

Visit our Web Site for other weather data: [www.ncdc.noaa.gov](http://www.ncdc.noaa.gov)