

1998

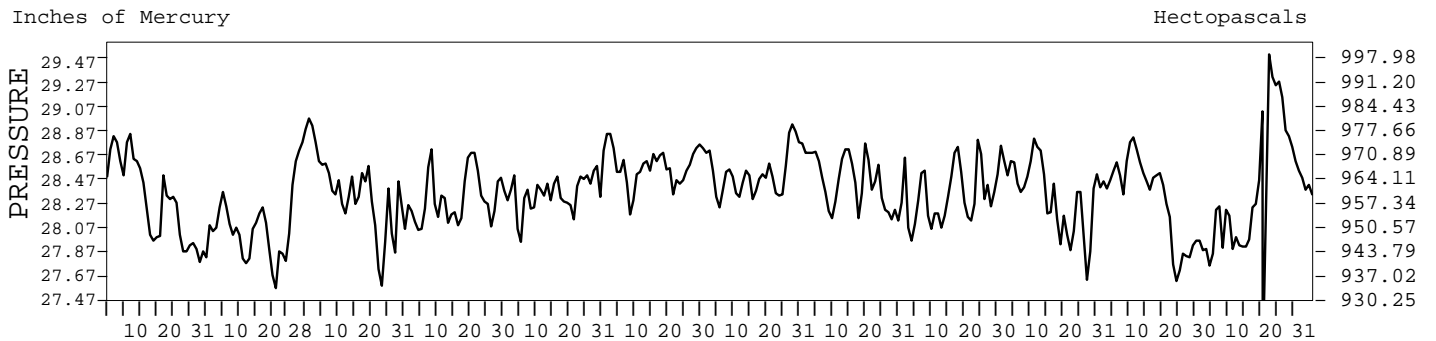
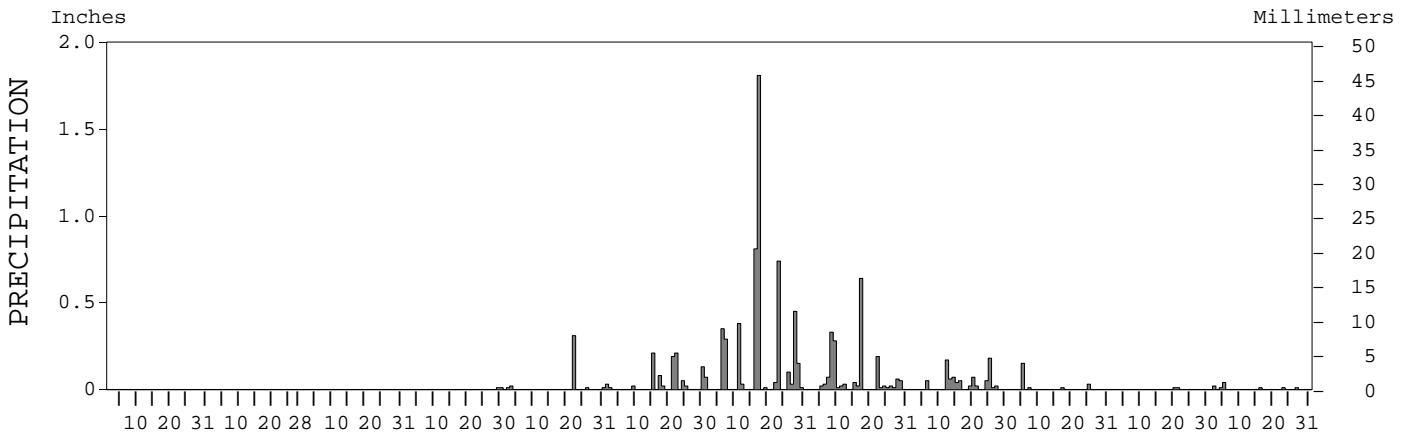
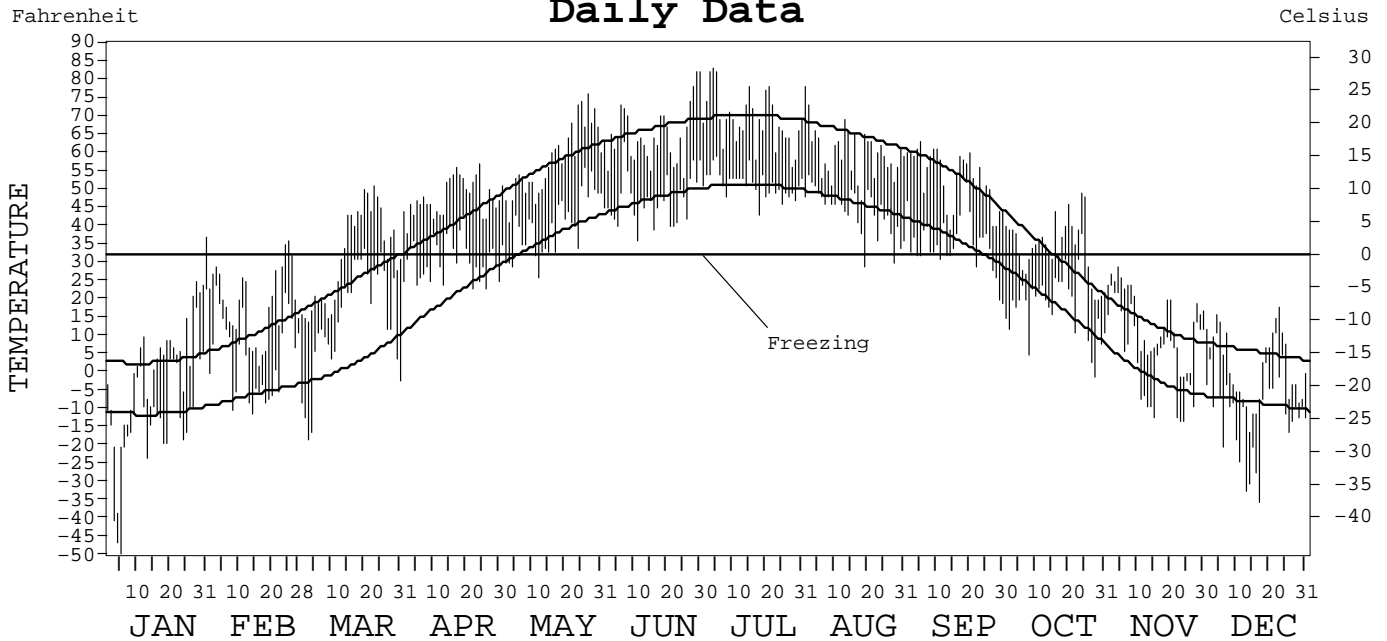
LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0197-9671

DELTA JUNCTION/FT GREELY, ALASKA (BIG)

Daily Data



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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL ENVIRONMENTAL AND INFORMATION SERVICE
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 ASHEVILLE, NORTH CAROLINA
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 1998

DELTA JUNCTION/FT GREELY, AK (BIG)

LATITUDE: 63° 59' 42" N LONGITUDE: 145° 43' 06" W ELEVATION (FT): GRND: 1268 BARO: 1274 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	2.2	19.1	31.7	47.8	58.1	65.0	69.0	60.1	53.0	34.2	14.1	1.7	38.0	
	HIGHEST DAILY MAXIMUM	37	36	51	57	76	82	83	78	63	49	29	18	83	
	DATE OF OCCURRENCE	31	25	23	24	27	30+	04	01	05	24	04	23	JUL 04	
	MEAN DAILY MINIMUM	-11.0	4.8	14.3	30.7	40.1	47.1	51.4	43.9	35.5	18.7	4.6	-10.2	22.5	
	LOWEST DAILY MINIMUM	-49	-11	-18	23	26	36	43	29	19	-1	-13	-35	-49	
	DATE OF OCCURRENCE	05	14	03	26+	12	11	18	19	30	28	24+	17	JAN 05	
	AVERAGE DRY BULB	-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	
	MEAN WET BULB		11.2	19.5	32.3	40.4	49.1		47.6	40.4	24.1				
	MEAN DEW POINT		6.3	9.5	19.5	27.4	41.3		42.9	35.7	19.4				
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 70°	0	0	0	0	4	9	11	2	0	0	0	0	0	26
	MAXIMUM ≤ 32°	30	26	16	0	0	0	0	0	0	12	30	31	145	
MINIMUM ≤ 32°	31	28	29	18	5	0	0	2	10	30	30	31	214		
MINIMUM ≤ 0°	23	12	5	0	0	0	0	0	0	1	11	26	78		
H/C	HEATING DEGREE DAYS	2143	1478	1292	764	485	275	160	393	617	1185	1660	2139	12591	
	COOLING DEGREE DAYS	0	0	0	0	0	13	18	0	0	0	0	0	31	
RH	MEAN (PERCENT)	73	76	56	47	45	59	68	73	74	76	77	75	67	
	HOUR 03 LST	72	76	62	59	56	75	81	84	84	79	78	73	73	
	HOUR 09 LST	75	80	61	51	46	60	71	78	81	82	78	76	70	
	HOUR 15 LST	73	72	46	34	33	45	55	59	59	67	75	75	58	
	HOUR 21 LST	74	76	55	47	43	55	65	72	75	76	78	75	66	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	3	3	0	1	0	0	1	2	1	2	0	0	13	
	THUNDERSTORMS	0	0	0	0	1	1	1	0	0	0	0	0	3	
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.)	28.30	28.07	28.40	28.32	28.38	28.60	28.55	28.45	28.38	28.34	28.25			
	MEAN SEA-LEVEL PRESS. (IN.)		29.52	29.83	29.71	29.75	29.96		29.81	29.77	29.76				
WINDS	RESULTANT SPEED (MPH)		9.0	10.2	9.6	8.9	3.7	2.4	2.3	4.5	8.1	12.0			
	RES. DIR. (TENS OF DEGS.)		10	11	17	18	22	22	19	16	11	10			
	MEAN SPEED (MPH)	14.5	11.8	14.6	14.1	13.4	8.8	6.8	7.8	8.2	10.7	13.3	9.7	11.1	
	PREVAIL. DIR. (TENS OF DEGS.)	10	10	09	18	18	29	23	10	10	10	10	10	10	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	45	34	39	52	48	43	31	37	49	40	41	48	52	
	DIR. (TENS OF DEGS.)	09	10	18	18	19	17	18	19	18	09	10	10	18	
	DATE OF OCCURRENCE	19	11+	28	27	15	08	25	25	19	23	28+	29	APR 27	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	57	43	47	63	60	51	38	47	63	52	53	56	63	
DIR. (TENS OF DEGS.)	08	10	17	18	19	17	19	17	17	10	10	10	17		
DATE OF OCCURRENCE	19	10	28+	27	15	08	25	25	19	23	19	29	SEP 19		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)			T	0.02	0.36	0.97	5.27	1.86	0.81	0.20	0.02	0.10		
	GREATEST 24-HOUR (IN.)			T	0.02	0.31	0.39	1.81	0.65	0.19	0.15	0.01	0.04		
	DATE OF OCCURRENCE			30+	29-30	22	21-22	17	16-17	12-13	05	21+	05		
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01			0	2	5	11	15	19	13	4	2	6		
PRECIPITATION ≥ 0.10			0	0	1	4	9	4	2	1	0	0			
PRECIPITATION ≥ 1.00			0	0	0	0	1	0	0	0	0	0			
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)														
	GREATEST 24-HOUR (IN.)														
	DATE OF OCCURRENCE														
	MAXIMUM SNOW DEPTH (IN.)														
	DATE OF OCCURRENCE														
NUMBER OF DAYS WITH:															
SNOWFALL ≥ 1.0															

PRECIPITATION (inches) 1998 DELTA JUNCTION/FT GREELY, AK (BIG)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	0.36	T	0.27	0.13	1.10	0.84	3.54	0.71	0.45	T	0.29	T	7.69
1970	0.14	0.07	0.25	0.31	0.74	1.62	0.71	1.52	1.58	0.91	0.78	0.59	9.22
1971	0.29	0.49	0.16	0.34	0.29	1.26	1.71	2.50	1.58	0.89	0.21	0.51	10.23
1972	0.24	0.28	0.22	0.29	0.35	2.59	2.36	0.94	1.03	0.88	0.08	0.22	9.48
1973	0.21	0.13	0.04	0.05	0.53	4.40	3.54	1.79	0.26	0.53	0.99	T	12.47
1974	0.11	0.42	0.09	0.05	0.43	2.65	2.57	1.74	0.26	0.36	0.36	0.37	9.41
1975	0.74	T	0.36	0.28	1.59	3.78	4.70	3.72	1.55	0.39	0.45	0.01	17.57
1976	0.07	0.08	0.47	T	1.41	1.28	3.87	2.25	0.89	0.16	0.13	0.14	10.75
1977	0.22	0.05	0.27	0.21	0.87	4.04	1.91	1.64	1.69	0.65	0.07	0.15	11.77
1978	0.04	0.14	0.03	0.38	0.80	1.58	1.43	2.50	0.54	0.34	0.36	0.18	8.32
1979	0.15	0.07	0.06	0.15	0.10	2.97	3.55	2.08	0.51	0.08	0.07	0.19	9.98
1980	0.17	0.09	0.04	0.01	0.80	1.98	1.32	2.44	0.86	0.23	0.22	0.02	8.18
1981	0.01	0.17	T	0.12	1.62	2.43	2.94	0.62	0.75	0.68	0.22	0.18	9.74
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	0.89	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	
POR= 53 YRS	0.34	0.33	0.27	0.25	0.88	2.38	2.64	1.91	1.08	0.62	0.50	0.30	11.50

WBAN : 26415

AVERAGE TEMPERATURE (°F) 1998 DELTA JUNCTION/FT GREELY, AK (BIG)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	-22.6	1.0	16.3	36.1	47.6	63.2	57.3	48.4	46.7	35.1	6.3	15.6	29.3
1970	-12.9	14.3	25.8	30.1	48.1	53.9	59.2	54.9	37.7	18.1	12.6	-5.4	28.0
1971	-24.4	2.5	0.7	26.4	44.3	59.1	58.7	53.6	42.5	24.1	1.5	-4.8	23.7
1972	-16.5	-9.0	-1.7	18.9	45.3	56.6	61.7	58.1	39.5	27.6	9.5	-1.1	24.1
1973	-16.5	2.9	12.2	34.5	47.2	56.0	59.8	52.1	44.8	23.5	-2.3	4.3	26.5
1974	-13.7	-14.6	7.3	33.0	47.3	55.0	59.7	56.0	49.2	22.2	4.5	-6.8	24.9
1975	-12.0	-7	13.1	28.9	49.4	56.5	60.4	53.8	45.5	21.8	-7.6	-11.7	24.8
1976	-2.9	-9.4	13.3	35.6	46.0	58.0	62.3	59.1	46.8	25.1	23.3	4.1	30.1
1977	17.1	19.3	9.0	30.5	47.7	58.7	62.0	61.6	46.2	27.8	-4.9	-11.5	30.3
1978	9.1	13.0	19.3	35.6	51.8	56.1	63.4	57.9	46.2	25.4	12.2	3.2	32.8
1979	0.8	-19.7	15.8	33.8	51.3	56.6	61.3	60.5	48.3	34.9	24.3	-11.1	29.7
1980	-8.2	18.8	21.3	39.0	52.6	57.6	61.6	55.9	43.2	31.2	14.6	-21.2	30.5
1981	24.1	10.8	30.1	28.9	54.2	55.9	57.9	55.4	43.3	27.5	11.2	-1.5	33.2
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	-8	-8.7	24.3	30.7	45.6	57.3	57.8	51.8	45.8	23.9	0.7	-3	27.3
1985	20.8	-7.5	17.4	19.8	44.5	53.3	59.8	53.5	43.1	17.2	-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
POR= 51 YRS	-4.0	2.4	12.8	30.2	45.9	56.9	60.0	55.1	44.2	24.6	6.7	-2.3	27.7

HEATING DEGREE DAYS (base 65°F) 1998 DELTA JUNCTION/FT GREELY, AK (BIG)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1969-70	234	509	541	918	1760	1526	2421	1416	1206	1044	517	325	12417
1970-71	179	305	812	1450	1571	2182	2777	1751	1993	1152	637	186	14995
1971-72	197	348	664	1261	1904	2162	2530	2149	2069	1374	601	269	15528
1972-73	129	209	755	1153	1659	2049	2528	1737	1635	905	542	268	13569
1973-74	163	391	601	1280	2019	1880	2444	2232	1789	952	539	296	14586
1974-75	165	275	464	1319	1815	2231	2387	1840	1605	1075	481	251	13908
1975-76	148	346	577	1334	2184	2379	2105	2161	1597	877	581	204	14493
1976-77	98	189	540	1229	1247	1884	1478	1277	1729	1026	528	184	11409
1977-78	114	138	558	1149	2101	2372	1728	1454	1406	875	403	262	12560
1978-79	83	216	558	1222	1579	1914	1991	2375	1520	929	420	244	13051
1979-80	118	146	492	925	1216	2360	2267	1335	1347	775	380	218	11579
1980-81	109	295	647	1041	1509	2679	1259	1516	1075	1075	331	268	11804
1981-82	216	293	648	1156	1611	2061	2432	1956	1623	1165	651	261	14073
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-	160	393	617	1185	1660	2139							

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COOLING DEGREE DAYS (base 65°F) 1998 DELTA JUNCTION/FT GREELY, AK (BIG)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	0	0	0	0	0	57	1	0	0	0	0	0	58
1970	0	0	0	0	0	0	2	0	0	0	0	0	2
1971	0	0	0	0	0	15	7	0	0	0	0	0	22
1972	0	0	0	0	0	22	34	1	0	0	0	0	57
1973	0	0	0	0	0	3	11	0	0	0	0	0	14
1974	0	0	0	0	0	1	7	4	0	0	0	0	12
1975	0	0	0	0	0	3	14	4	0	0	0	0	21
1976	0	0	0	0	0	4	20	12	0	0	0	0	36
1977	0	0	0	0	0	0	26	39	0	0	0	0	65
1978	0	0	0	0	0	0	39	4	0	0	0	0	43
1979	0	0	0	0	0	0	13	15	0	0	0	0	28
1980	0	0	0	0	1	4	11	16	0	0	0	0	32
1981	0	0	0	0	2	0	0	0	0	0	0	0	2
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	0	30	19	10	0	0	0	0	
1998	0	0	0	0	0	13	18	0	0	0	0	0	31

SNOWFALL (inches) 1998 DELTA JUNCTION/FT GREELY, AK (BIG)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1967-68	0.0	0.0	T	6.4	9.5	5.6	14.3	2.5	0.1	1.5	T	0.0	39.9
1968-69	0.0	0.0	T	12.2	7.1	1.3	3.0	0.2	5.3	1.2	T	0.0	30.3
1969-70	0.0	T	0.0	T	5.6	T	4.3	1.2	2.9	7.2	0.0	0.0	21.2
1970-71	0.0	0.0	7.1	16.2	13.5	8.1	5.2	8.8	2.9	6.0	1.6	0.0	69.4
1971-72	0.0	0.0	T	14.0	5.6	9.9	4.4	3.4	3.7	5.9	2.0	0.0	48.9
1972-73	0.0	0.0	8.7	15.9	3.5	6.8	6.1	3.9	1.0	0.8	7.0	0.0	53.7
1973-74	0.0	0.0	0.0	6.9	12.6	T	2.2	6.7	1.7	0.8	0.0	T	30.9
1974-75	0.0	T	T	7.6	7.7	9.3	6.2	T	5.9	3.6	T	0.0	40.3
1975-76	0.0	0.0	T	9.4	10.4	0.7	2.5	1.5	8.3	T	T	0.0	32.8
1976-77	0.0	0.0	T	6.0	3.0	2.5	6.9	1.8	6.1	2.9	0.0	0.0	29.2
1977-78	0.0	0.0	6.0	15.7	3.2	3.8	2.0	4.0	1.0	4.8	0.0	0.0	40.5
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-													
POR= 51 YRS	0.0	T	1.6	9.5	8.5	5.9	5.6	5.2	4.4	3.1	1.0	T	44.8

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 (1961 - 1990). 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.</p>	<p>GENERAL CONTINUED: 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. 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.</p> <p>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.</p>
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1998
DELTA JUNCTION/FT GREELY,
ALASKA (BIG)

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 LOCATION

DELTA JUNCTION/FT. GREELY, ALASKA

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE										AUCI M T S W	* Type M = AMOS T = AUTOB S = ASOS W = AWOS	REMARKS	
						SEA LEVEL	GROUND												
							WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND	WIND				WIND
U. S. Signal Corps (Post Office)	5/1/17	4/30/20	NA	64° 09'	145° 50'	Unk												No record of exposure. Station known as McCarty.	
Big Delta Roadhouse	2/1/37	12/22/41	30 ft. S	64° 09'	145° 50'	995	52	5							4		Station on south side of Tanana River 150' from river bank, shelter 35' south of the Roadhouse.		
CAA Control Building Big Delta Airport	12/22/41	6/26/44	10 mi. S	64° 00'	145° 44'	1268	26	5	5						3		Shelter 55' WNW of Control Building, rain gage 20' NE of shelter.		
Army Weather Station (Hangar)	7/1/44	10/14/45	0.5 mi. SE	64° 00'	145° 44'	Unk											No record of exposures.		
CAA Control Building Big Delta Airport + + Allen AAF (Effective 1/1/79) Delta Junctn/Ft. Greely (Effective 12/15/97)	10/14/45	Present	0.5 mi. NW	64° 00'	145° 44'	1268	29 a30	4	4	NA	NA	NA	3	NA	NA		Station reopened at previous site. Shelter & rain gage installed 35' NE of building. 10/11/45. Station type changed to WBO/FSS 5/23/68; to FSS 978/72; & to FSS/AMOS 8/28/74. M - Commissioned 8/28/74. a - Minor move 6/20/79.		
															S		ASOS Commissioned 12/15/97.		

SUBSCRIPTION: Price and ordering information available through: National Climatic Data Center, Federal Building, Asheville, North Carolina 28801. INQUIRIES/COMMENTS CALL: (828) 271-4800

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