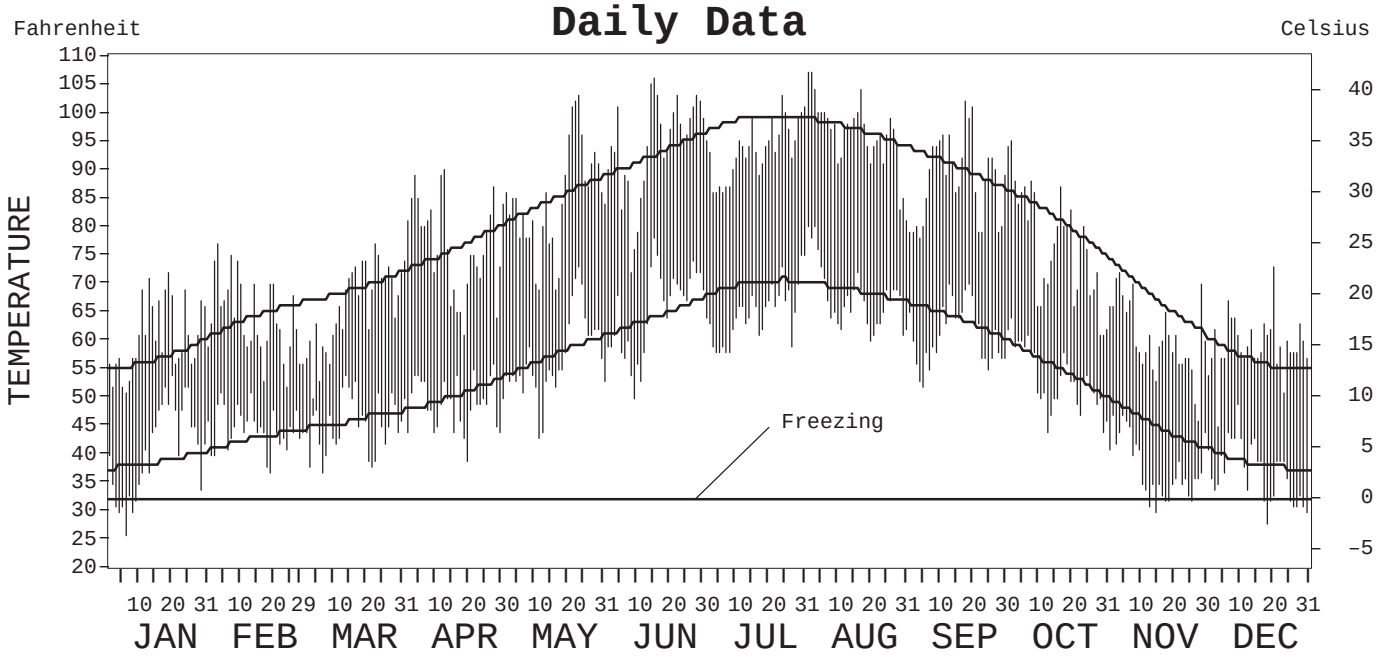
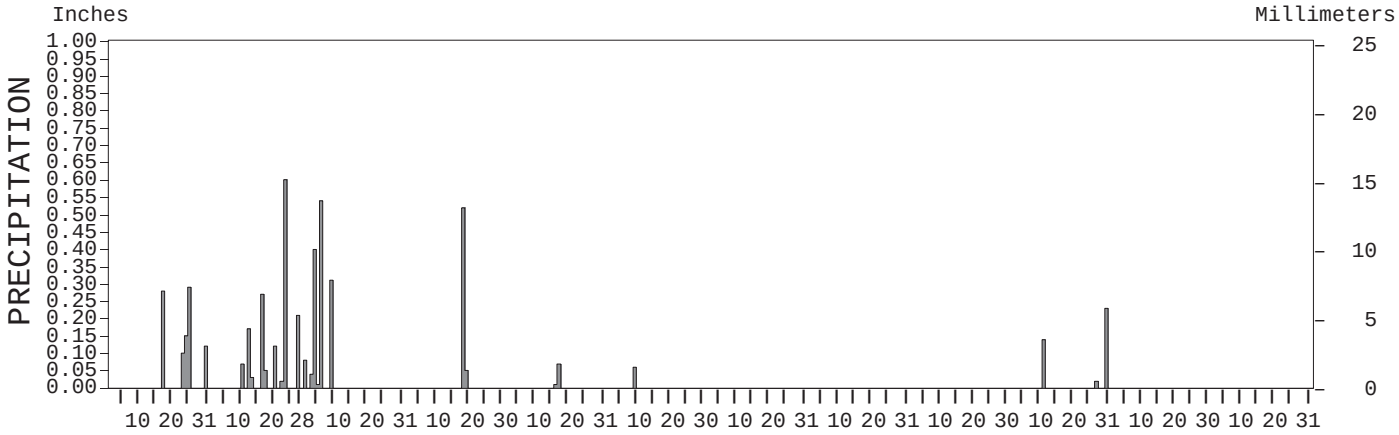
2000 LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

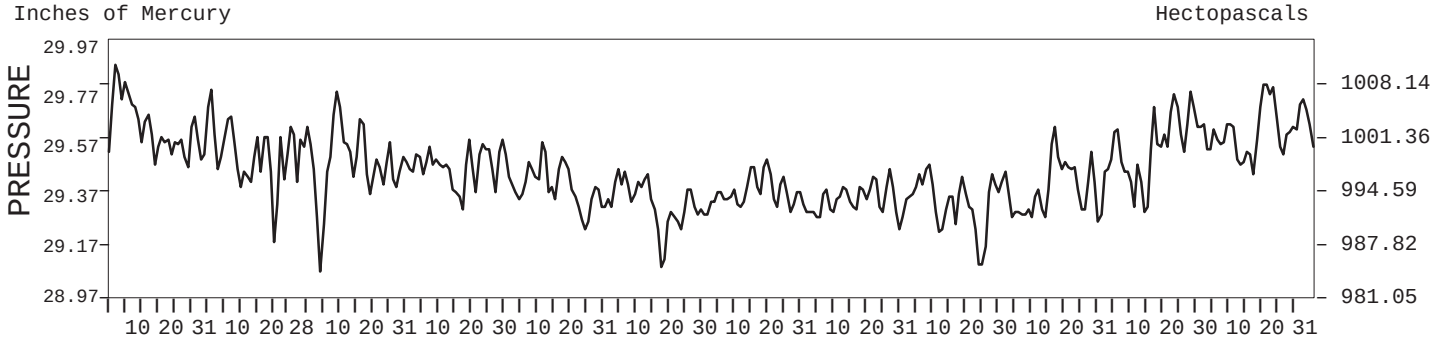
ISSN 0198-0696

BAKERSFIELD,
CALIFORNIA (BFL)

Daily Data







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Thomas R. Karl

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA

DIRECTOR NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2000

BAKERSFIELD, CA (BFL)

LATITUDE: 35° 26′ 01″ N LONGITUDE: 119° 03′ 21″ W ELEVATION (FT): GRND: 497 BARO: 497 TIME ZONE: PACIFIC (UTC + 8) WBAN: 23155

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	MEAN DAILY MAXIMUM	60.6	64.0	66.3	76.7	84.7	94.1	93.5	96.3	88.2	76.9	60.5	59.2	76.8
	HIGHEST DAILY MAXIMUM	72	77	77	90	103	106	103	107	102	95	72	73	107
	DATE OF OCCURRENCE	19	03	22	12	23	15	24	02+	18	02	04	21	AUG 02+
	MEAN DAILY MINIMUM	41.1	44.5	45.5	49.0	57.2	65.2	64.8	67.6	61.0	53.3	37.7	37.0	52.0
	LOWEST DAILY MINIMUM	26	37	37	39	43	50	58	60	52	44	30	28	26
	DATE OF OCCURRENCE	06	19	06	19	11	09	08+	20	05	30+	15	19	JAN 06
	AVERAGE DRY BULB	50.9	54.3	55.9	62.9	71.0	79.7	79.2	82.0	74.6	65.1	49.1	48.1	64.4
	MEAN WET BULB	45.3	49.4	49.8	53.3	58.0	63.4	63.7	63.8	60.6	55.2	43.7	44.1	54.2
	MEAN DEW POINT	38.9	44.2	43.5	43.9	47.4	51.8	52.5	51.0	49.8	46.8	37.2	39.7	45.6
	NUMBER OF DAYS WITH:													
	MAXIMUM ≥ 90°	0	0	0	1	8	22	24	28	14	2	0	0	99
	MAXIMUM ≤ 32°	0	0	0	0	0	0	0	0	0	0	0	0	0
	MINIMUM ≤ 32°	6	0	0	0	0	0	0	0	0	0	5	8	19
	MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0
H/C	HEATING DEGREE DAYS	429	304	275	99	22	4	0	0	0	89	467	516	2205
	COOLING DEGREE DAYS	0	0	0	43	215	451	448	533	297	99	0	0	2086
RH	MEAN (PERCENT)	67	71	66	53	45	40	41	36	44	55	66	75	55
	HOUR 04 LST	78	79	80	69	64	55	59	50	58	69	79	85	69
	HOUR 10 LST	61	66	62	48	43	37	39	34	41	51	64	74	52
	HOUR 16 LST	51	56	48	34	29	26	25	23	30	39	49	59	39
	HOUR 22 LST	74	77	72	56	46	42	40	36	44	59	70	79	58
S	PERCENT POSSIBLE SUNSHINE													
W/O	NUMBER OF DAYS WITH:													
	HEAVY FOG(VISBY ≤ 1/4 MI)	1	1	1	0	0	0	0	0	0	1	4	7	15
	THUNDERSTORMS	1	0	0	0	0	0	0	1	0	1	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.)	29.65	29.54	29.51	29.49	29.41	29.34	29.39	29.36	29.35	29.42	29.58	29.64	29.47
	MEAN SEA-LEVEL PRESS. (IN.)	30.18	30.06	30.04	30.02	29.93		29.90	29.87		29.94	30.11	30.17	
WINDS	RESULTANT SPEED (MPH)	1.5	1.4	1.9	3.1	5.1	2.4	2.8	3.5	2.0	2.6	1.3	0.7	1.7
	RES. DIR. (TENS OF DEGS.)	36	05	36	33	32	25	21	31	31	34	36	02	32
	MEAN SPEED (MPH)	4.8	6.4	5.6	7.0	7.7	7.3	6.9	6.9	6.3	5.5	4.5	3.7	6.0
	PREVAIL.DIR.(TENS OF DEGS.)	10	31	10	31	32	31	30	30	31	30	12	08	31
	MAXIMUM 2-MINUTE WIND:													
	SPEED (MPH)	25	43	23	26	30	33	18	24	23	25	23	20	43
	DIR. (TENS OF DEGS.)	35	14	33	13	31	34	33	30	32	31	34	35	14
	DATE OF OCCURRENCE	16	20	19	17+	15	08	01	31	21	25+	26	12	FEB 20
	MAXIMUM 5-SECOND WIND:													
	SPEED (MPH)	29	52	28	33	32	38	26	28	28	30	26	25	52
	DIR. (TENS OF DEGS.)	35	12	33	14	30	34	30	30	32	34	35	33	12
	DATE OF OCCURRENCE	16	20	19	16	15	08	16	31	21	25	26	12	FEB 20
PRECIPITATION	WATER EQUIVALENT:													
	TOTAL (IN.)	0.94	1.62	1.30	0.57	0.08	0.06	0.00	T	0.00	0.39	T	T	4.96
	GREATEST 24-HOUR (IN.)	0.32	0.60	0.54	0.57	0.08	0.06	0.00	T	0.00	0.23	T	T	0.60
	DATE OF OCCURRENCE	24-25	23	05	17-18	15-16	08		29+		29	28+	14+	FEB 23
	NUMBER OF DAYS WITH:													
	PRECIPITATION ≥ 0.01	5	10	5	2	2	1	0	0	0	3	0	0	28
	PRECIPITATION ≥ 0.10	5	5	3	1	0	0	0	0	0	2	0	0	16
	PRECIPITATION ≥ 1.00	0	0	0	0	0	0	0	0	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													

NORMALS, MEANS, AND EXTREMES

BAKERSFIELD, CA (BFL)

LATITUDE: 35° 26′ 01″ N LONGITUDE: 119° 03′ 21″ W ELEVATION (FT): GRND: 497 BARO: 497 TIME ZONE: PACIFIC (UTC + 8) WBAN: 23155

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	56.9	63.9	68.9	75.9	84.6	92.4	98.5	96.6	90.1	80.7	66.8	56.5	77.6
	MEAN DAILY MAXIMUM	53	57.2	63.6	68.8	75.9	83.8	91.9	98.2	96.3	90.7	80.8	67.3	57.1	77.6
	HIGHEST DAILY MAXIMUM	63	82	87	92	101	107	114	115	112	112	103	91	83	115
	YEAR OF OCCURRENCE		1984	1989	1969	1981	1982	1976	1950	1981	1955	1990	1949	1979	JUL 1950
	MEAN OF EXTREME MAXS.	53	72.1	76.9	82.3	91.5	99.4	105.8	107.5	106.2	103.3	95.5	82.0	71.9	91.2
	NORMAL DAILY MINIMUM	30	38.6	42.6	45.8	50.1	57.3	64.0	69.6	68.5	63.5	54.8	44.7	38.3	53.2
	MEAN DAILY MINIMUM	53	38.5	42.3	45.5	49.9	56.6	63.5	69.2	67.8	63.2	54.2	44.4	38.3	52.8
	LOWEST DAILY MINIMUM	63	20	25	31	33	37	45	52	52	45	29	28	19	19
	YEAR OF OCCURRENCE		1963	1990	1966	1999	1988	1999	1987	1942	1948	1971	1994	1998	DEC 1998
	MEAN OF EXTREME MINS.	53	28.3	32.6	36.3	40.3	45.6	52.6	59.4	58.9	53.8	43.7	34.4	28.4	42.9
	NORMAL DRY BULB	30	47.8	53.3	57.4	63.0	71.0	78.2	84.1	82.6	76.8	67.8	55.8	47.5	65.4
	MEAN DRY BULB	53	47.8	52.9	57.1	62.8	70.2	77.7	83.6	82.1	77.1	67.5	55.8	47.7	65.2
	MEAN WET BULB	17	45.3	48.7	51.7	54.1	58.0	58.6	66.7	61.8	58.6	56.8	45.8	40.6	53.9
	MEAN DEW POINT	17	41.3	42.7	44.3	43.4	46.3	49.6	54.2	50.6	47.5	45.7	38.4	35.7	45.0
	NORMAL NO. DAYS WITH:														
	MAXIMUM ≥ 90°	30	0.0	0.0	0.1	2.4	9.5	19.3	28.3	26.1	16.8	5.4	*	0.0	107.9
	MAXIMUM ≤ 32°	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
	MINIMUM ≤ 32°	30	5.9	1.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	5.4	13.1
	MINIMUM ≤ 0°	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
H/C	NORMAL HEATING DEG. DAYS	30	533	331	246	144	28	6	0	0	8	60	283	543	2182
	NORMAL COOLING DEG. DAYS	30	0	0	11	84	214	402	592	546	362	147	7	0	2365
RH	NORMAL (PERCENT)	30	76	69	61	51	41	36	34	38	44	50	65	76	53
	HOUR 04 LST	30	84	80	74	67	57	51	48	54	58	63	76	84	66
	HOUR 10 LST	30	77	67	57	46	39	35	33	37	42	47	63	75	52
	HOUR 16 LST	30	62	51	42	33	26	23	21	24	29	34	50	62	38
	HOUR 22 LST	30	79	73	64	54	41	35	34	38	45	53	69	79	55
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY≤1/4 MI)	63	8.3	2.6	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.5	7.6	21.7
	THUNDERSTORMS	63	0.1	0.2	0.5	0.4	0.3	0.3	0.2	0.2	0.6	0.3	0.1	0.1	3.3
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	50	5.4	4.9	4.5	3.7	2.6	1.4	1.0	1.1	1.4	2.4	3.8	5.2	3.1
	MIDNIGHT-MIDNIGHT (OKTAS)	19	4.8	4.1	3.7	2.8	1.8	1.2	0.8	0.9	1.2	1.9	3.5	4.2	2.6
	MEAN NO. DAYS WITH:														
	CLEAR	56	6.7	7.5	9.8	12.3	17.6	23.2	25.9	25.4	23.2	19.0	11.8	7.0	189.4
	PARTLY CLOUDY	56	7.6	8.0	9.3	9.1	8.7	4.7	3.1	3.7	4.2	6.4	8.1	7.5	80.4
	CLOUDY	56	16.7	12.7	11.9	8.6	4.7	2.1	1.4	1.4	2.1	5.0	9.7	15.9	92.2
PR	MEAN STATION PRESSURE(IN)	15	29.59	29.60	29.50	29.50	29.40	29.39	29.40	29.40	29.38	29.50	29.60	29.63	29.49
	MEAN SEA-LEVEL PRES. (IN)	17	30.14	30.07	30.04	29.99	29.92	29.87	29.87	29.88	29.89	29.97	30.10	30.17	29.99
WINDS	MEAN SPEED (MPH)	25	4.7	5.2	6.1	6.9	7.7	7.7	6.9	6.4	5.9	5.0	4.5	4.5	6.0
	PREVAIL.DIR(TENS OF DEGS)	9	12	12	34	32	32	31	30	30	30	31	30	12	31
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	4	31	49	32	38	31	33	25	33	30	33	33	31	49
	DIR. (TENS OF DEGS)		16	13	28	33	31	34	11	14	08	34	14	31	13
	YEAR OF OCCURRENCE		1999	1998	1998	1999	1998	2000	1999	1997	1998	1998	1997	1997	FEB 1998
	MAXIMUM 5-SECOND:														
	SPEED (MPH)	4	38	57	37	45	36	38	30	40	38	38	39	43	57
	DIR. (TENS OF DEGS)		01	13	28	34	30	34	12	14	06	35	14	10	13
	YEAR OF OCCURRENCE		1998	1998	1998	1999	1998	2000	1999	1997	1998	1998	1997	1997	FEB 1998
PRECIPITATION	NORMAL (IN)	30	0.86	1.06	1.04	0.57	0.20	0.10	0.01	0.09	0.17	0.29	0.70	0.63	5.72
	MAXIMUM MONTHLY (IN)	63	3.90	5.36	4.61	2.65	2.39	1.11	0.30	1.18	1.06	1.82	3.04	2.03	5.36
	YEAR OF OCCURRENCE		1999	1998	1938	1967	1971	1972	1965	1983	1976	1974	1960	1995	FEB 1998
	MINIMUM MONTHLY (IN)	63	T	0.03	T	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	YEAR OF OCCURRENCE		1972	1967	1972	1966	1982	1983	1983	1981	1981	1978	1959	1989	DEC 1989
	MAXIMUM IN 24 HOURS (IN)	63	2.32	3.02	1.68	1.00	1.40	1.10	0.30	1.08	0.63	1.51	1.54	1.15	3.02
	YEAR OF OCCURRENCE		1999	1978	1938	1943	1971	1972	1965	1983	1978	1940	1960	1974	FEB 1978
	NORMAL NO. DAYS WITH:														
	PRECIPITATION ≥ 0.01	30	5.7	5.6	6.2	3.8	1.4	0.6	0.1	0.4	1.3	1.6	4.0	4.8	35.5
	PRECIPITATION ≥ 1.00	30	0.1	0.1	0.0	0.0	0.0	*	0.0	0.1	0.0	*	0.0	0.0	0.3
SNOWFALL	NORMAL (IN)	30	T	T	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.1
	MAXIMUM MONTHLY (IN)	60	3.0	T	1.5	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	3.0
	YEAR OF OCCURRENCE		1999	1994	1974	1994								1995	JAN 1999
	MAXIMUM IN 24 HOURS (IN)	60	3.0	T	1.5	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	3.0
	YEAR OF OCCURRENCE		1999	1994	1974	1994								1995	JAN 1999
	MAXIMUM SNOW DEPTH (IN)	48	0	0	0	0	0	0	0	0	0	0	0	0	0
	YEAR OF OCCURRENCE														
	NORMAL NO. DAYS WITH:														
	SNOWFALL ≥ 1.0	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

PRECIPITATION (inches) 2000 BAKERSFIELD, CA (BFL)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1971	0.53	0.35	0.42	0.56	2.39	0.00	0.00	0.12	0.02	0.09	0.12	1.17	5.77
1972	T	0.27	T	0.08	0.02	1.11	T	T	0.02	0.54	1.55	0.66	4.25
1973	2.07	0.49	2.49	0.18	T	0.00	0.00	0.00	0.00	0.16	0.64	0.79	6.82
1974	1.16	0.13	1.53	0.70	T	0.00	T	0.00	0.00	1.82	0.51	1.19	7.04
1975	0.06	1.60	0.60	0.93	T	0.00	0.00	0.05	T	0.48	0.25	0.13	4.10
1976	0.05	1.64	0.44	0.76	0.55	0.02	T	T	1.06	0.11	0.31	0.13	5.07
1977	0.58	0.07	1.28	T	0.59	0.06	0.02	1.03	0.00	T	0.09	1.80	5.52
1978	1.21	4.68	2.00	0.88	0.02	0.00	0.00	0.00	0.74	0.00	0.21	0.57	10.31
1979	1.80	1.41	1.97	T	T	0.00	0.00	0.00	0.35	0.28	0.16	0.22	6.19
1980	2.60	1.04	1.32	0.66	0.21	0.00	0.00	0.00	0.00	0.03	T	0.15	6.01
1981	0.93	0.78	2.15	0.56	0.18	0.00	0.00	0.00	0.00	0.83	0.41	0.23	6.07
1982	0.53	0.60	2.13	1.07	0.00	0.42	0.00	T	0.70	0.71	1.30	0.33	7.79
1983	2.21	1.49	2.62	0.57	0.01	0.00	0.00	1.18	0.18	0.14	1.31	1.15	10.86
1984	0.05	0.05	0.69	0.50	0.00	0.01	T	0.01	0.02	0.13	1.01	0.95	3.42
1985	0.38	0.48	0.48	T	0.14	0.44	T	0.00	0.24	0.18	1.65	0.27	4.26
1986	1.12	0.80	1.95	0.24	0.02	0.00	T	T	0.03	T	0.56	0.97	5.69
1987	1.61	0.89	1.07	0.10	0.04	0.31	0.00	0.07	0.01	0.18	1.40	0.83	6.51
1988	0.81	0.37	0.41	1.31	0.12	0.04	T	0.00	0.00	0.00	0.64	0.82	4.52
1989	0.16	0.81	0.86	T	0.45	0.00	0.00	T	0.49	0.04	0.07	0.00	2.88
1990	0.85	0.93	0.45	0.18	0.29	T	0.00	T	0.05	0.03	0.47	0.26	3.51
1991	0.62	0.13	4.33	0.06	T	0.00	0.00	T	0.01	0.30	0.01	1.04	6.50
1992	1.56	2.14	1.86	T	0.08	0.00	0.03	0.00	0.00	0.92	0.00	1.81	8.40
1993	2.33	2.02	1.76	T	0.00	0.48	0.00	T	0.00	0.17	0.79	0.62	8.17
1994	0.57	1.34	0.97	1.06	0.27	0.00	T	0.01	0.09	0.08	0.98	1.32	6.69
1995	2.29	0.87	3.39	0.79	0.35	0.12	T	0.00	0.00	0.00	T	2.03	9.84
1996	1.08	2.54	0.78	0.12	0.02	0.00	T	0.00	0.00	0.94	0.84	1.73	8.05
1997	1.88	0.80	0.21	T	T	0.00	T	T	0.05	0.25	1.70	0.97	5.86
1998	1.32	5.36	2.51	0.87	1.33	0.37	0.00	0.00	0.31	0.24	0.46	0.55	13.32
1999	3.90	0.46	0.21	0.83	T	T	T	0.00	0.08	0.00	0.36	0.14	5.98
2000	0.94	1.62	1.30	0.57	0.08	0.06	0.00	T	0.00	0.39	T	T	4.96
POR= 112 YRS	1.08	1.16	1.19	0.65	0.23	0.07	0.01	0.04	0.12	0.30	0.66	0.76	6.27

WBAN : 23155

AVERAGE TEMPERATURE (˚F) 2000 BAKERSFIELD, CA (BFL)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1971	47.6	49.8	57.8	61.9	67.9	77.7	87.0	86.0	76.6	64.1	53.8	45.4	64.6
1972	41.7	54.9	63.4	63.4	72.4	80.3	85.0	82.8	75.2	65.8	52.6	43.6	65.1
1973	47.9	57.4	54.3	64.5	76.7	82.4	85.0	83.4	76.6	68.4	56.6	50.0	66.9
1974	51.6	52.9	59.6	63.9	73.2	81.6	85.8	84.6	83.0	70.5	56.7	46.8	67.5
1975	46.8	54.4	57.1	58.8	73.5	81.1	84.3	83.0	82.6	66.6	54.7	48.0	65.9
1976	49.9	55.5	57.4	61.3	75.3	79.7	85.5	79.1	78.3	71.0	59.4	51.1	67.0
1977	46.7	56.9	54.2	67.6	67.2	83.9	85.7	85.3	78.9	71.2	59.5	57.1	67.9
1978	54.8	56.2	62.6	61.4	73.2	79.9	85.9	85.0	76.7	75.2	57.2	46.2	67.9
1979	51.6	52.1	58.3	63.2	74.9	81.4	84.6	81.8	81.8	70.6	58.3	54.2	67.7
1980	52.8	55.6	55.2	62.7	67.4	73.9	85.1	82.6	77.4	71.6	57.7	50.1	66.0
1981	51.8	54.7	57.0	65.2	72.1	84.5	86.6	85.0	80.3	65.0	59.6	51.4	67.8
1982	45.7	55.5	57.9	64.2	76.1	79.0	87.1	84.8	77.0	68.7	52.1	46.4	66.2
1983	44.6	53.8	55.8	58.2	69.8	75.8	79.0	82.9	79.8	69.0	57.2	50.6	64.7
1984	48.1	50.6	57.0	57.8	70.6	74.3	85.3	82.4	80.2	61.6	54.5	47.2	64.1
1985	43.4	51.9	53.9	65.9	67.7	80.7	84.6	79.0	70.8	64.6	53.2	43.3	63.3
1986	52.8	54.7	59.3	61.1	69.7	77.9	80.7	83.7	70.1	65.7	56.5	47.1	64.9
1987	45.0	51.8	56.6	67.3	72.2	78.2	76.8	80.9	76.4	71.6	53.8	47.0	64.8
1988	47.8	54.2	58.8	64.1	68.4	75.4	86.1	82.0	77.0	70.0	54.7	47.2	65.5
1989	45.0	50.6	60.1	68.8	69.6	77.0	82.5	79.8	74.9	66.8	56.0	44.2	64.6
1990	47.5	49.3	59.1	66.8	69.2	77.2	84.9	81.1	76.1	69.6	54.2	43.0	64.8
1991	48.5	57.2	53.0	59.9	66.2	76.0	84.6	79.6	81.3	72.1	56.1	48.2	65.2
1992	43.8	56.6	58.9	66.9	76.7	77.5	81.3	84.3	77.7	69.8	55.7	46.5	66.3
1993	48.7	54.0	61.0	61.9	71.0	77.1	80.9	81.2	77.4	69.2	56.1	46.9	65.5
1994	48.4	51.9	60.4	64.3	69.2	78.0	84.9	83.5	76.5	65.2	48.1	45.8	64.7
1995	53.7	54.7	57.2	60.5	66.5	74.2	80.7	82.8	77.2	68.3	59.9	52.0	65.6
1996	48.2	55.3	58.3	64.1	69.8	77.3	84.4	83.2	74.9	64.3	55.6	50.2	65.5
1997	49.8	50.8	59.7	62.7	73.9	75.5	81.0	80.2	77.6	64.0	56.9	46.2	64.9
1998	50.1	50.3	55.3	58.3	61.1	70.6	82.3	84.5	75.8	62.8	52.4	43.5	62.3
1999	44.3	50.3	52.7	57.8	66.5	73.6	80.1	77.6	77.0	69.1	56.6	47.5	62.8
2000	50.9	54.3	55.9	62.9	71.0	79.7	79.2	82.0	74.6	65.1	49.1	48.1	64.4
POR= 90 YRS	47.4	52.8	57.1	62.6	70.0	77.4	83.7	81.8	76.0	66.9	55.6	48.0	64.9

HEATING DEGREE DAYS (base 65˚F) 2000 BAKERSFIELD, CA (BFL)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1971–72	0	0	16	163	329	597	717	286	97	82	25	0	2312
1972–73	0	0	0	59	362	657	521	205	324	87	3	0	2218
1973–74	0	0	0	24	263	461	409	333	174	92	20	0	1776
1974–75	0	0	0	26	244	558	559	294	244	192	30	0	2147
1975–76	0	0	0	73	304	521	463	272	243	140	0	0	2016
1976–77	0	0	0	13	193	424	559	229	333	31	37	0	1819
1977–78	0	0	0	12	162	237	311	241	82	124	13	0	1182
1978–79	0	0	0	9	236	578	410	352	211	87	8	0	1891
1979–80	0	0	0	22	196	334	373	266	293	110	49	0	1643
1980–81	0	0	0	38	231	455	404	285	243	86	9	0	1751
1981–82	0	0	0	65	161	418	591	262	213	109	0	0	1819
1982–83	0	0	2	29	381	569	626	310	277	202	59	1	2456
1983–84	0	0	0	2	230	439	515	411	242	226	31	0	2096
1984–85	0	0	0	140	307	545	663	362	333	68	26	2	2446
1985–86	0	0	4	78	350	668	369	281	183	137	36	0	2106
1986–87	0	0	21	45	249	550	614	362	262	55	24	0	2182
1987–88	0	0	0	8	331	551	526	308	192	82	60	11	2069
1988–89	0	0	0	18	308	544	614	400	162	42	22	0	2110
1989–90	0	0	3	63	264	636	538	432	187	22	9	1	2155
1990–91	0	0	0	13	316	677	503	212	368	154	69	0	2312
1991–92	0	0	0	72	271	514	649	237	181	25	0	1	1950
1992–93	0	0	0	7	273	567	501	302	128	113	9	5	1905
1993–94	0	0	2	5	262	553	508	359	138	72	28	0	1927
1994–95	0	0	0	54	504	586	344	284	234	157	55	6	2224
1995–96	0	0	0	21	146	397	511	275	207	99	5	1	1662
1996–97	0	0	0	134	278	454	464	393	177	115	4	0	2019
1997–98	0	0	0	91	253	575	453	404	299	240	128	13	2456
1998–99	0	0	3	95	371	657	634	406	374	240	60	24	2864
1999–00	0	0	0	14	245	536	429	304	275	99	22	4	1928
2000–	0	0	0	89	467	516							

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COOLING DEGREE DAYS (base 65˚F) 2000 BAKERSFIELD, CA (BFL)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1971	0	0	7	32	126	389	691	660	372	144	0	0	2421
1972	0	0	52	42	261	466	627	559	313	90	0	0	2410
1973	0	0	0	79	371	528	624	580	355	137	18	0	2692
1974	0	0	12	63	281	505	651	616	549	206	0	0	2883
1975	0	0	7	14	299	490	606	564	538	130	1	0	2649
1976	0	6	15	34	326	447	643	445	406	204	32	0	2558
1977	0	10	2	115	113	577	651	635	423	211	4	1	2742
1978	0	3	14	23	273	451	655	628	358	332	11	0	2748
1979	0	0	12	40	321	500	614	524	513	205	1	3	2733
1980	4	2	0	49	129	274	629	551	380	248	16	0	2282
1981	3	0	0	100	237	591	678	630	464	71	6	2	2782
1982	0	2	0	92	351	425	694	620	368	155	0	0	2707
1983	0	0	0	6	214	332	443	563	449	135	2	0	2144
1984	0	0	0	18	211	287	638	541	463	42	0	0	2200
1985	0	0	0	100	118	481	614	440	188	71	3	0	2015
1986	0	0	11	25	190	393	493	589	180	71	0	0	1952
1987	0	0	9	130	253	403	374	499	351	218	0	0	2237
1988	0	2	8	61	173	333	660	533	366	180	5	0	2321
1989	0	2	18	163	170	368	550	465	306	126	0	0	2168
1990	0	0	12	83	145	373	626	505	337	163	2	0	2246
1991	0	0	0	9	113	340	614	458	495	301	9	0	2339
1992	0	0	0	91	368	380	512	603	385	161	0	0	2500
1993	0	0	9	28	204	376	497	508	381	143	1	0	2147
1994	0	0	1	61	168	394	625	579	352	69	0	0	2249
1995	0	0	0	31	108	287	493	557	371	131	2	0	1980
1996	0	0	11	82	162	377	610	570	304	119	2	0	2237
1997	1	0	20	55	287	323	504	479	384	65	17	0	2135
1998	0	0	4	47	13	185	541	612	337	32	0	0	1771
1999	0	0	0	32	111	291	472	399	367	149	2	0	1823
2000	0	0	0	43	215	451	448	533	297	99	0	0	2086

SNOWFALL (inches) 2000 BAKERSFIELD, CA (BFL)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1971–72	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
1972–73	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1973–74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	1.5
1974–75	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
1975–76	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
1976–77	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
1977–78	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
1978–79	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1979–80	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
1980–81	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
1981–82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T
1982–83	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
1983–84	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
1984–85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T
1985–86	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
1986–87	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1987–88	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
1988–89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1989–90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1990–91	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	T	0.0	0.0	0.0	T
1991–92	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
1992–93	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
1993–94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	T
1994–95	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
1995–96	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0		
1996–97													
1997–98													
1998–99							3.0						
1999–00													
2000–													
POR= 58 YRS	0.0	0.0	0.0	0.0	0.0	T	0.1	T	0.0	T	0.0	0.0	0.1

WBAN : 23155

REFERENCE NOTES:

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).

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).

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.

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.

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 EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.

2000
BAKERSFIELD, CALIFORNIA (BFL)

Bakersfield, situated in the extreme south end of the great San Joaquin Valley, is partially surrounded by a horseshoe–shaped rim of mountains with an open side to the northwest and the crest at an average distance of 40 miles.

The Sierra Nevada mountains to the northeast shut out most of the cold air that flows southward over the continent during winter. They also catch and store snow, which provides irrigation water for use during the dry months. The Tehachapi Mountains, forming the southern boundary, act as an obstruction to northwest wind, causing heavier precipitation on the windward slopes, high wind velocity over the ridges and, at times, continuing cloudiness in the south end of the valley after skies have cleared elsewhere. To the west are the coast ranges, and the ocean shore lies at a distance of 75 to 100 miles.

Because of the nature of the surrounding topography, there are large climatic variations within relatively short distances. These zones of variation may be classified as valley, mountain, and desert areas. The overall climate, however, is warm and semi–arid. There is only one wet season during the year, as 90 percent of all precipitation falls from October through April, inclusive. Snow in the valley is infrequent, with only a trace occurring in about one year out of seven. Thunderstorms seldom occur in the valley.

Summers are cloudless, hot and dry. Cotton, potatoes, grapes, and cattle are the principal agricultural products. There are considerable amounts of deciduous fruits, citrus, grain, and various vegetables. There are actually more than 110 farm crops grown commercially. Certain crops are planted or harvested every month of the year. Severe freezes seldom occur and there are occasional years with no frost at all in certain warm areas.

Winters are mild and semi–arid, yet fairly humid. December and January are characterized by frequent fog, mostly nocturnal, which prevails when marine air is trapped in the valley by a high pressure system. In extreme cases this fog may last continuously for two or three weeks. Its depth is usually less than 3,000 feet and the same condition that produces it also causes clear skies with mild temperatures in the surrounding mountain and desert areas.

Another local characteristic is the occasionally warm, dry, southeast chinook wind that spills through the Tehachapi Pass during winter. This wind usually attains velocities of 30 to 40 miles an hour, sometimes reaching as high as 60 miles an hour.

During summer months northwest sea breezes frequent the Bakersfield area about twice weekly. When above normal temperatures prevail for several days, the gradient builds up sufficiently to draw in cooler air from the coastal section. During prolonged periods of drought this late afternoon breeze may carry varying amounts of dust, and thermal instability sometimes causes the dust to rise as high as 7,000 feet.

Based on the 1951–1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is December 11 and the average last occurrence in the spring is January 31.

STATION LOCATION

BAKERSFIELD, CALIFORNIA

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE SEA LEVEL: GROUND TEMPERATURE SITE	ELEVATION ABOVE GROUND: WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUN-SHINE SWITCH	TIPPING BUCKET RAIN GAUGE	WEIGHING RAIN GAGE	8 INCH RAIN GAGE	HYGROTHERMOMETER	AUTOMATIC OBSERVING EQUIPMENT *	REMARKS
*NOTES: **AIRPORT**																
Administration Building Kern Co. Airport #1	9/8/28	3/10/58	4mi.NNW	35°25′	119°03′	489	38 a65	5	5			b4	3			a – Raised 1/20/40. b – Installed 1/20/40.
Kern County Air Terminal Meadows Field	3/10/58	12/15/83	1500 ft WNW	35°25′	119°03′	494 f475	60 c20	5 d5	4 d5	NA	NA g3	4 d5	3 d3	e5	NA	c – Lowered 6/19/60. d – Minor move 2/24/61. e – Commissioned 1600′ SE of thermometer site 12/6/63. f – Effective 12/6/63. g – Installed 8/1/82.
NWS Building Meadows Field	12/15/83	6/01/96	.6mi.NW	35°26′	119°03′	496	34	6	5	NA	4	4	4	7 h6	NA	Instruments moved 11/16–12/15/83. h – Type change 7/20/85.
Kern County Air Terminal	6/01/96	Present	NA	35°26′	119°03′	497									S	ASOS Commissioned 06/01/96.

* TYPE

M = AMOS
T = AUTOB
S = ASOS
W = AWOS

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*** NOTES: For earlier station history see previous edition.**