

2002

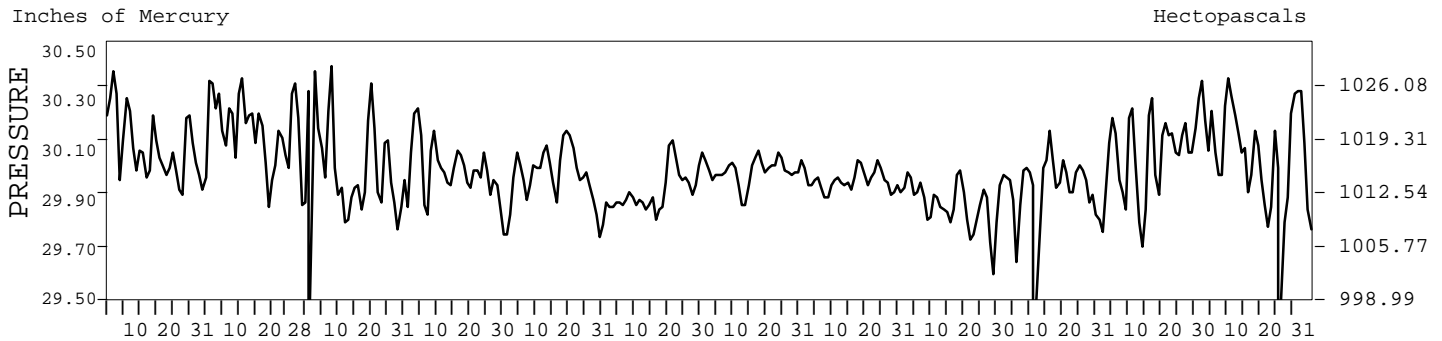
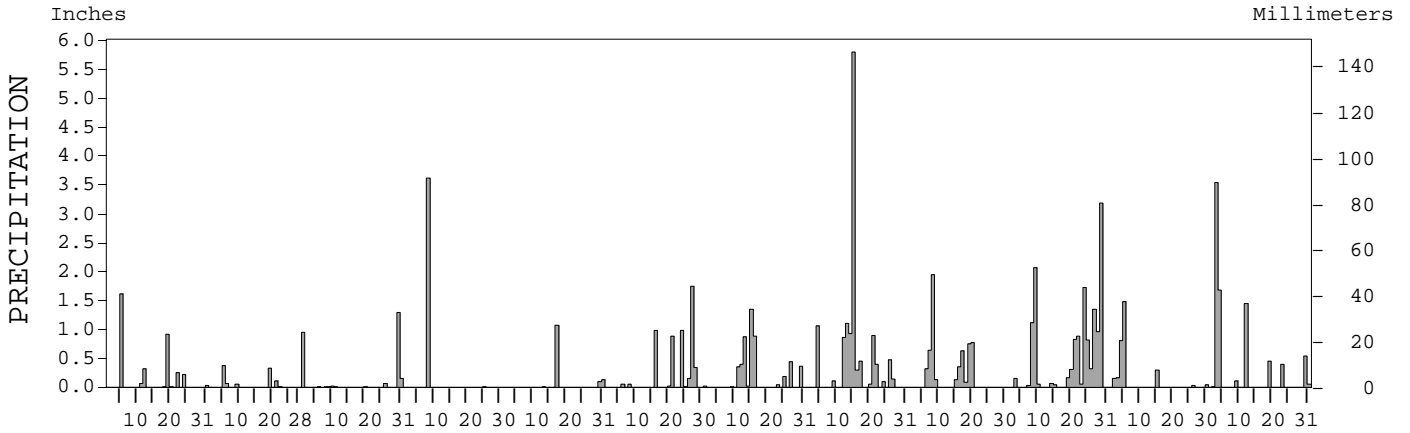
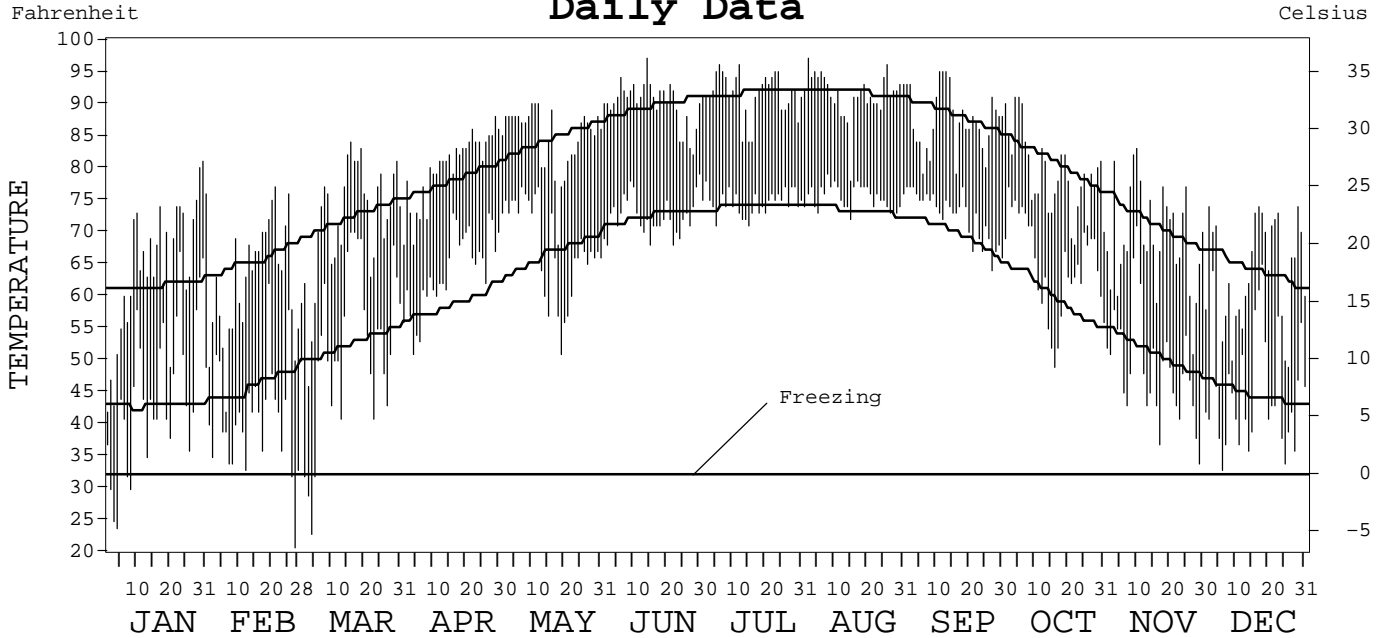
LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-5140

BEAUMONT/PORT ARTHUR,
TEXAS (BPT)

Daily Data



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METEOROLOGICAL DATA FOR 2002

BEAUMONT/PORT ARTHUR, TX (BPT)

LATITUDE: 29° 57' 02" N LONGITUDE: 94° 01' 14" W ELEVATION (FT): GRND: 16 BARO: 19 TIME ZONE: CENTRAL (UTC + 6) WBAN: 12917

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	64.7	62.3	71.6	80.0	84.7	90.0	91.5	91.5	87.3	79.1	69.2	63.3	77.9	
	HIGHEST DAILY MAXIMUM	81	77	84	88	90	97	96	97	95	91	83	74	97	
	DATE OF OCCURRENCE	30	21	16	29	12+	14	12+	02	13+	05+	10	29+	AUG 02	
	MEAN DAILY MINIMUM	44.9	41.1	52.0	64.0	67.7	72.4	74.6	75.4	72.5	64.8	48.9	45.1	60.3	
	LOWEST DAILY MINIMUM	24	21	23	51	51	68	71	72	64	49	34	33	21	
	DATE OF OCCURRENCE	04	27	04	04	19	22+	15+	15	27	16	29	06	FEB 27	
	AVERAGE DRY BULB	54.8	51.7	61.8	72.0	76.2	81.2	83.1	83.5	79.9	72.0	59.1	54.2	69.1	
	MEAN WET BULB	50.9	46.7	57.8	68.0	71.5	75.5	77.9	78.3	75.7	68.9	54.9			
	MEAN DEW POINT	46.2	40.9	53.8	65.8	69.0	73.1	76.2	76.7	74.3	67.7	51.5			
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	3	21	24	26	8	4	0	0	0	86
	MAXIMUM ≤ 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MINIMUM ≤ 32°	5	2	4	0	0	0	0	0	0	0	0	0	0	11
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
H/C	HEATING DEGREE DAYS	333	367	176	11	3	0	0	0	0	7	204	339	1440	
	COOLING DEGREE DAYS	26	4	84	229	358	494	566	580	452	231	32	10	3066	
RH	MEAN (PERCENT)	76	70	78	84	81	79	84	85	87	89	79	84	81	
	HOUR 00 LST	84	80	86	92	91	91	95	96	96	96	90	91	91	
	HOUR 06 LST	88	84	90	94	93	92	98	97	97	98	91	93	93	
	HOUR 12 LST	61	54	65	72	66	66	66	72	75	77	60	71	67	
	HOUR 18 LST	71	63	70	79	73	69	74	76	81	87	77	82	75	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	8	3	1	8	2	1	3	3	3	11	3	2	48	
	THUNDERSTORMS	1	1	3	1	3	7	13	11	3	7	1	7	58	
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.)	30.11	30.20		30.02	29.98	29.94	30.02	29.98	29.88		30.11			
	MEAN SEA-LEVEL PRESS. (IN.)	30.12	30.21		30.04	30.00	29.95	30.03	29.99	29.89		30.12			
WINDS	RESULTANT SPEED (MPH)	1.6	2.8	4.3	4.3	4.2	2.0	1.8	2.1	2.3	3.5	2.5			
	RES. DIR. (TENS OF DEGS.)	08	04	13	17	11	06	19	03	33	05	02			
	MEAN SPEED (MPH)	9.8	9.5	12.4	9.3	10.4	7.3	6.1	6.1	8.9	7.8	8.4	9.6	8.8	
	PREVAIL. DIR. (TENS OF DEGS.)	01	35	16	17	17	17	19	18	02	03	01	17	17	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	33	30	43	33	30	31	29	36	29	31	24	41	43	
	DIR. (TENS OF DEGS.)	29	35	10	08	32	17	13	35	02	11	03	25	10	
	DATE OF OCCURRENCE	31	26	01	08	29+	21	08	27	25	23+	26	30	MAR 01	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	45	36	47	39	38	36	36	47	35	38	29	51	51	
DIR. (TENS OF DEGS.)	27	35	11	08	31	16	12	34	04	11	03	25	25		
DATE OF OCCURRENCE	31	21	01	08	29+	21	08	27	25+	23	26+	30	DEC 30		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	3.41	0.92	2.52	3.62	1.30	5.20	4.90	12.60	5.74	14.05	2.95	8.21	65.42	
	GREATEST 24-HOUR (IN.)	1.61	0.42	1.44	3.61	1.07	1.78	1.38	5.79	2.18	4.14	2.05	3.55	5.79	
	DATE OF OCCURRENCE	05	05-06	30-31	08	17	26-27	15-16	15	07-08	28-29	04-05	02-03	AUG 15	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	9	6	10	2	4	10	12	14	10	18	7	9	111	
PRECIPITATION ≥ 0.10	5	3	3	1	2	6	8	12	9	13	5	7	74		
PRECIPITATION ≥ 1.00	1	0	1	1	1	1	1	3	1	5	1	3	19		
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

BEAUMONT/PORT ARTHUR, TX (BPT)

LATITUDE: 29° 57' 02" N LONGITUDE: 94° 01' 14" W ELEVATION (FT): GRND: 16 BARO: 19 TIME ZONE: CENTRAL (UTC + 6) WBAN: 12917

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	61.5	65.3	72.0	77.8	84.3	89.4	91.6	91.7	88.0	80.5	70.9	63.9	78.1
	MEAN DAILY MAXIMUM	55	61.6	65.1	71.3	78.0	84.4	89.8	91.7	91.9	88.1	80.7	71.0	64.0	78.1
	HIGHEST DAILY MAXIMUM	49	82	85	87	94	97	100	103	108	105	95	88	84	108
	YEAR OF OCCURRENCE		2000	1986	1974	1987	1977	1954	1980	2000	2000	1977	1989	1978	AUG 2000
	MEAN OF EXTREME MAXS.	55	76.7	78.5	82.4	86.5	91.2	94.8	96.7	97.2	94.6	89.6	83.6	78.4	87.5
	NORMAL DAILY MINIMUM	30	42.9	45.9	52.4	58.6	66.4	72.3	73.8	73.2	69.4	59.6	50.8	44.5	59.1
	MEAN DAILY MINIMUM	55	42.7	45.7	51.4	59.3	66.7	72.2	73.9	73.4	69.6	59.6	50.6	44.8	59.2
	LOWEST DAILY MINIMUM	49	14	20	23	32	46	56	61	60	45	30	22	12	12
	YEAR OF OCCURRENCE		1962	1981	2002	1987	1954	1984	1990	1989	1967	1993	1976	1989	DEC 1989
	MEAN OF EXTREME MINS.	55	25.0	29.1	33.8	43.5	54.3	64.0	69.2	68.3	56.6	43.5	33.2	27.4	45.7
	NORMAL DRY BULB	30	50.9	54.4	61.4	68.9	75.2	80.7	82.8	82.6	78.6	69.7	61.2	54.3	68.4
	MEAN DRY BULB	55	52.1	55.3	61.4	68.9	75.4	81.1	82.8	82.7	78.9	70.1	60.8	54.5	68.7
	MEAN WET BULB	19	49.1	52.6	57.2	63.5	70.9	75.3	77.1	72.1	72.5	65.0	57.0	48.0	63.4
	MEAN DEW POINT	19	45.1	48.4	53.3	59.9	68.5	73.2	75.1	70.1	69.8	61.7	53.2	44.5	60.2
	NORMAL NO. DAYS WITH:														
MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.3	2.7	17.1	24.1	23.5	12.7	1.7	0.0	0.0	82.1	
MAXIMUM ≤ 32°	30	0.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	
MINIMUM ≤ 32°	30	6.5	3.7	1.0	*	0.0	0.0	0.0	0.0	0.0	*	0.8	4.4	16.4	
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	411	286	143	41	1	0	0	0	1	34	181	349	1447
	NORMAL COOLING DEG. DAYS	30	11	16	55	140	324	480	553	546	417	195	63	23	2823
RH	NORMAL (PERCENT)	30	79	77	76	77	79	79	81	80	79	77	78	80	78
	HOUR 00 LST	30	85	84	86	87	90	91	92	92	90	88	87	86	88
	HOUR 06 LST	30	87	87	88	90	92	93	94	94	92	91	89	89	90
	HOUR 12 LST	30	68	63	62	62	64	64	65	65	64	58	62	67	64
	HOUR 18 LST	30	75	70	68	69	70	70	71	72	73	73	76	77	72
S	PERCENT POSSIBLE SUNSHINE	26	42	52	52	52	64	69	65	63	62	67	57	47	58
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY≤1/4 MI)	50	6.8	5.4	5.6	3.1	1.9	0.5	0.3	0.3	0.7	3.3	4.6	6.0	38.5
	THUNDERSTORMS	50	2.9	2.7	3.5	3.8	6.1	8.4	13.3	11.9	7.2	3.2	2.7	2.4	68.1
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	1						4.0							
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH:														
CLEAR	1	3.0	1.0	9.0		9.0	8.0								
PARTLY CLOUDY	1			5.0		7.0	7.0								
CLOUDY	1	3.0	2.0	5.0		2.0	3.0								
PR	MEAN STATION PRESSURE(IN)	29	30.12	30.08	29.99	29.96	29.92	29.94	30.00	29.98	29.97	30.04	30.08	30.12	30.02
	MEAN SEA-LEVEL PRES. (IN)	19	30.15	30.11	30.04	29.98	29.96	29.96	30.02	30.00	29.98	30.06	30.10	30.16	30.04
WINDS	MEAN SPEED (MPH)	38	10.7	11.1	11.3	11.2	10.0	8.7	7.2	6.9	8.0	8.8	10.0	10.3	9.5
	PREVAIL.DIR(TENS OF DEGS)	23	36	36	16	16	18	18	19	18	04	13	36	36	18
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	7	33	39	43	40	40	36	39	36	38	36	32	41	43
	DIR. (TENS OF DEGS)		29	16	10	33	02	15	07	35	06	33	27	25	10
	YEAR OF OCCURRENCE		2002	1998	2002	2000	2001	2001	1997	2002	1997	1998	1996	2002	MAR 2002
	MAXIMUM 5-SECOND:														
SPEED (MPH)	7	45	49	47	47	46	46	49	47	49	41	40	51	51	
DIR. (TENS OF DEGS)		27	16	11	32	03	19	07	34	07	34	27	25	25	
YEAR OF OCCURRENCE		2002	1998	2002	2000	2001	2001	1997	2002	1997	2001	1996	2002	DEC 2002	
PRECIPITATION	NORMAL (IN)	30	5.69	3.35	3.75	3.84	5.83	6.58	5.23	4.85	6.10	4.67	4.75	5.25	59.89
	MAXIMUM MONTHLY (IN)	49	14.87	11.76	9.35	15.30	13.18	18.90	18.71	17.26	21.96	15.09	10.84	17.98	21.96
	YEAR OF OCCURRENCE		1991	1959	1979	1973	1991	1989	1959	1966	1980	1970	1977	1982	SEP 1980
	MINIMUM MONTHLY (IN)	49	0.60	0.21	0.06	0.26	0.08	0.76	0.63	0.87	0.50	0.00	0.15	1.32	0.00
	YEAR OF OCCURRENCE		1971	1989	1955	1987	1998	1980	1956	2000	1953	1963	1967	1954	OCT 1963
	MAXIMUM IN 24 HOURS (IN)	49	4.92	5.05	6.04	10.09	9.89	10.20	10.56	8.45	17.16	8.06	7.26	9.98	17.16
	YEAR OF OCCURRENCE		1961	1965	1979	1973	1989	1961	1979	1966	1980	1970	1961	1982	SEP 1980
	NORMAL NO. DAYS WITH:														
	PRECIPITATION ≥ 0.01	30	9.9	8.5	8.0	6.1	7.5	7.9	11.1	12.2	10.1	5.9	7.8	9.0	104.0
PRECIPITATION ≥ 1.00	30	1.2	1.0	1.0	1.0	1.7	2.0	1.6	1.5	1.7	1.4	1.7	1.5	17.3	
SNOWFALL	NORMAL (IN)	30	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.*	0.*	0.2
	MAXIMUM MONTHLY (IN)	43	3.0	4.4	1.4	T	T	0.0	T	0.0	0.0	0.0	T	0.7	4.4
	YEAR OF OCCURRENCE		1973	1960	1968	1995	1994		1990				1976	1989	FEB 1960
	MAXIMUM IN 24 HOURS (IN)	43	3.0	4.4	1.4	T	T	0.0	T	0.0	0.0	0.0	T	0.7	4.4
	YEAR OF OCCURRENCE		1973	1960	1968	1995	1994		1990				1976	1989	FEB 1960
	MAXIMUM SNOW DEPTH (IN)	48	2	20	0	0	0	0	0	0	0	0	0	0	20
	YEAR OF OCCURRENCE		1949	1958											FEB 1958
NORMAL NO. DAYS WITH:															
SNOWFALL ≥ 1.0	30	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	

PRECIPITATION (inches) 2002 BEAUMONT/PORT ARTHUR, TX (BPT)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1973	4.76	3.00	7.24	15.30	5.47	5.80	8.72	7.16	11.44	5.11	2.01	2.90	78.91
1974	8.81	2.37	4.88	5.33	7.61	1.43	3.75	4.39	2.83	3.69	5.84	4.53	55.46
1975	5.46	1.60	1.75	3.77	5.30	4.97	7.56	6.86	2.80	4.68	3.26	3.60	51.61
1976	3.64	0.44	2.69	1.89	6.39	6.16	3.99	2.57	4.47	5.16	5.54	6.11	49.05
1977	4.93	1.06	2.23	4.79	3.41	3.37	2.11	7.20	2.87	4.06	10.84	2.01	48.88
1978	6.66	2.32	0.44	0.36	0.10	7.47	3.41	5.11	3.29	T	4.80	3.72	37.68
1979	5.41	4.21	9.35	7.35	4.39	3.96	15.68	4.07	9.45	6.62	3.20	2.51	76.20
1980	4.66	1.92	6.83	0.93	7.76	0.76	2.24	1.18	21.96	7.27	4.82	2.22	62.55
1981	3.33	3.26	2.09	3.16	2.78	9.14	10.75	1.63	2.72	5.68	2.16	3.85	50.55
1982	2.04	3.38	3.12	5.63	9.36	9.30	5.88	2.47	1.00	4.15	7.46	17.98	71.77
1983	5.78	3.97	4.57	0.51	11.39	8.10	6.53	14.35	11.89	0.33	4.24	6.49	78.15
1984	6.69	4.27	1.28	1.03	10.43	1.05	3.83	3.91	4.14	14.94	6.44	2.03	60.04
1985	3.44	6.85	4.74	1.13	5.15	3.17	6.91	11.25	7.39	11.60	3.85	2.74	68.22
1986	1.81	1.11	2.52	1.44	10.56	11.23	2.25	3.97	3.41	7.37	9.08	9.59	64.34
1987	8.05	7.68	0.94	0.26	4.44	12.31	3.39	3.86	11.49	0.27	6.74	6.14	65.57
1988	3.23	5.05	5.54	2.64	0.61	4.63	3.84	5.54	10.32	1.70	1.12	5.80	50.02
1989	6.76	0.21	3.40	2.75	12.69	18.90	7.74	5.03	1.20	1.17	3.14	3.21	66.20
1990	8.50	7.69	6.53	4.22	8.62	4.21	6.18	1.67	5.30	4.37	5.54	3.82	66.65
1991	14.87	4.56	2.44	6.78	13.18	7.27	3.11	3.04	7.14	3.61	3.96	11.59	81.55
1992	11.04	6.51	3.80	5.78	1.39	10.66	5.37	2.26	2.07	2.96	6.89	6.45	65.18
1993	9.92	4.09	5.56	6.38	4.62	9.32	5.41	6.19	2.39	5.99	5.31	1.94	67.12
1994	6.86	1.36	3.85	4.22	9.94	8.62	6.08	4.64	5.37	11.97	0.51	6.86	70.28
1995	4.08	3.56	5.29	4.12	4.54	9.26	6.65	4.96	0.66	5.65	4.77	11.15	64.69
1996	2.45	1.28	0.45	2.08	1.04	10.25	2.22	6.34	10.80	4.43	4.82	3.26	49.42
1997	4.90	5.73	4.39	4.92	2.36	3.60	7.67	2.01	5.43	1.95	2.85	6.62	52.43
1998	8.84	5.03	5.19	1.95	0.08	4.50	1.56	6.70	13.18	5.34	2.91	2.79	58.07
1999	3.09	1.13	3.44	0.74	2.98	10.04	2.45	T	3.25	3.88	1.23	4.03	36.26
2000	1.68	0.72	2.90	8.67	8.87	2.59	2.35	0.87	3.07	1.06	10.27	1.99	45.04
2001	5.86	1.63	7.29	1.79	1.39	11.32	3.42	13.81	9.16	5.63	5.32	2.24	68.86
2002	3.41	0.92	2.52	3.62	1.30	5.20	4.90	12.60	5.74	14.05	2.95	8.21	65.42
POR= 88 YRS	4.79	3.66	3.35	3.70	4.88	5.28	5.79	5.29	5.38	3.83	4.14	5.04	55.13

WBAN : 12917

AVERAGE TEMPERATURE (°F) 2002 BEAUMONT/PORT ARTHUR, TX (BPT)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1973	47.5	51.0	63.5	63.7	72.6	79.4	81.7	79.6	78.9	72.1	66.5	52.4	67.4
1974	56.4	55.1	66.2	68.6	76.5	78.9	81.7	81.1	74.9	68.7	59.0	53.0	68.3
1975	56.2	55.2	60.9	66.9	75.9	79.9	81.4	81.2	75.9	70.3	60.2	52.0	68.0
1976	49.8	59.9	62.8	68.7	72.1	78.7	81.2	81.2	78.3	61.9	52.5	50.6	66.5
1977	44.5	55.3	63.2	68.4	77.4	83.6	85.0	84.9	83.1	71.8	63.8	55.3	69.7
1978	43.8	47.2	59.8	70.2	79.0	83.3	85.1	85.3	81.8	72.0	67.4	56.8	69.3
1979	45.8	52.5	62.5	69.5	72.9	80.3	81.8	81.7	76.5	70.6	56.4	52.8	66.9
1980	55.2	52.7	61.4	65.6	76.4	82.9	85.1	84.2	82.6	67.5	57.8	54.4	68.8
1981	50.3	53.8	61.2	72.9	73.7	82.0	83.2	82.7	76.9	71.0	63.4	55.1	68.9
1982	52.8	52.4	65.0	68.0	75.6	81.6	82.7	82.7	78.6	70.0	61.8	57.6	69.1
1983	50.4	54.0	58.9	63.8	73.3	79.1	82.4	82.4	76.7	70.3	63.7	48.7	67.0
1984	48.7	56.0	62.2	68.6	74.7	79.7	81.2	81.7	77.0	74.8	60.8	63.7	69.1
1985	48.1	53.1	67.0	72.1	76.2	81.0	81.7	83.3	78.7	72.4	66.6	50.8	69.3
1986	53.5	59.3	62.2	70.7	75.4	81.3	84.5	82.4	82.2	69.4	63.6	51.5	69.7
1987	50.3	56.2	59.5	66.7	76.6	80.6	83.3	84.2	78.1	67.2	60.3	56.9	68.3
1988	48.4	53.8	60.9	67.9	73.8	79.9	83.5	84.4	79.2	69.1	63.9	54.4	68.3
1989	57.4	52.6	60.0	67.3	76.7	79.6	82.5	81.8	77.7	70.6	63.1	45.8	67.9
1990	57.5	60.4	63.4	68.9	77.2	83.5	82.8	83.8	80.6	68.3	63.2	55.3	70.4
1991	51.1	57.8	63.7	72.2	77.8	81.6	83.7	82.5	78.1	73.0	56.9	57.4	69.7
1992	51.6	58.3	63.3	67.9	73.7	81.0	82.8	80.7	79.4	70.9	56.4	57.3	68.6
1993	54.3	56.3	60.9	66.0	74.1	81.7	84.3	85.0	80.8	70.0	58.1	55.5	68.9
1994	52.3	56.4	63.0	70.2	75.8	83.0	83.5	82.1	77.4	71.5	65.4	56.8	69.8
1995	53.4	58.4	62.6	68.2	76.9	80.3	83.0	83.7	79.9	69.4	60.8	55.2	69.3
1996	52.1	55.8	56.8	66.4	77.5	80.2	83.2	81.1	77.8	70.4	62.4	57.4	68.4
1997	51.4	55.8	65.6	64.6	74.1	79.8	83.8	82.9	80.0	69.8	57.6	51.6	68.1
1998	57.5	55.8	60.1	66.4	77.5	83.7	84.0	83.9	82.2	73.0	64.5	56.1	70.4
1999	58.1	61.4	62.6	72.4	76.0	81.0	82.6	86.0	78.2	69.2	62.0	54.3	70.3
2000	56.5	62.2	66.4	68.4	77.8	81.4	83.8	84.2	79.9	71.4	59.0	48.1	69.9
2001	49.1	59.7	57.6	72.0	75.6	79.9	82.9	82.2	77.3	67.6	64.3	56.8	68.8
2002	54.8	51.7	61.8	72.0	76.2	81.2	83.1	83.5	79.9	72.0	59.1	54.2	69.1
POR= 85 YRS	52.6	55.9	61.6	68.7	75.3	81.0	81.8	82.7	78.9	70.7	60.8	54.6	68.7

HEATING DEGREE DAYS (base 65°F) 2002 BEAUMONT/PORT ARTHUR, TX (BPT)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1973-74	0	0	0	13	83	384	288	288	85	36	0	0	1177
1974-75	0	0	0	20	230	384	297	276	180	67	0	0	1454
1975-76	0	0	0	16	209	413	464	170	128	16	0	0	1416
1976-77	0	0	0	149	375	439	626	268	110	16	0	0	1983
1977-78	0	0	0	16	112	321	662	497	184	14	0	0	1806
1978-79	0	0	0	4	75	296	591	360	125	12	0	0	1463
1979-80	0	0	0	23	278	382	306	377	151	44	0	0	1561
1980-81	0	0	0	70	248	339	448	315	140	3	3	0	1566
1981-82	0	0	3	59	94	315	402	357	124	59	0	0	1413
1982-83	0	0	0	43	154	266	446	301	203	91	1	0	1505
1983-84	0	0	1	27	122	524	500	265	129	31	1	0	1600
1984-85	0	0	5	8	176	125	514	342	34	6	0	0	1210
1985-86	0	0	3	14	78	438	354	196	120	10	0	0	1213
1986-87	0	0	0	26	140	415	451	241	182	77	0	0	1532
1987-88	0	0	0	29	182	267	510	329	171	29	0	0	1517
1988-89	0	0	0	10	135	328	255	371	216	60	0	0	1375
1989-90	0	0	0	45	149	592	245	151	108	26	0	0	1316
1990-91	0	0	0	67	121	338	422	208	113	9	0	0	1278
1991-92	0	0	0	6	287	265	409	198	93	34	7	0	1299
1992-93	0	0	0	2	273	251	328	238	152	55	0	0	1299
1993-94	0	0	0	58	240	312	397	260	128	36	0	0	1431
1994-95	0	0	0	20	83	263	362	196	145	25	0	0	1094
1995-96	0	0	0	21	167	348	401	302	274	72	2	0	1587
1996-97	0	0	0	24	141	265	435	269	65	61	0	0	1260
1997-98	0	0	0	54	227	411	241	253	199	36	0	0	1421
1998-99	0	0	0	9	78	327	247	147	104	22	0	0	934
1999-00	0	0	0	39	123	340	289	136	70	42	0	0	1039
2000-01	0	0	4	47	232	516	486	187	227	16	0	0	1715
2001-02	0	0	0	54	87	285	333	367	176	11	3	0	1316
2002-	0	0	0	7	204	339							

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COOLING DEGREE DAYS (base 65°F) 2002 BEAUMONT/PORT ARTHUR, TX (BPT)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1973	0	2	38	84	244	440	524	459	426	242	137	6	2602
1974	27	15	130	153	362	423	524	505	305	143	58	20	2665
1975	28	9	61	130	344	454	516	508	335	186	71	18	2660
1976	2	29	66	133	226	418	512	512	404	61	8	0	2371
1977	0	4	62	125	391	562	627	621	551	235	82	28	3288
1978	11	8	29	177	439	555	627	635	510	227	154	49	3421
1979	4	17	54	156	250	464	529	523	352	203	27	11	2590
1980	8	27	47	69	359	546	633	603	534	152	37	15	3030
1981	0	8	28	245	278	515	570	557	367	250	53	14	2885
1982	27	9	129	155	335	504	555	554	416	205	67	46	3002
1983	0	0	20	64	264	429	547	546	361	200	88	21	2540
1984	0	9	50	147	309	449	508	524	369	317	56	94	2832
1985	0	13	104	228	354	489	527	573	422	253	134	5	3102
1986	1	44	39	185	331	495	611	546	522	169	104	4	3051
1987	2	2	16	136	367	476	574	604	402	105	48	22	2754
1988	4	11	49	121	283	452	581	606	432	148	108	6	2801
1989	28	32	69	137	370	444	548	531	387	226	99	5	2876
1990	19	29	68	151	384	563	559	591	471	173	74	42	3124
1991	0	9	77	233	406	504	584	548	401	260	49	38	3109
1992	0	9	49	126	284	486	558	495	439	188	23	17	2674
1993	3	2	32	90	290	506	605	627	482	221	38	26	2922
1994	12	25	71	199	342	549	579	535	379	230	103	18	3042
1995	9	19	78	127	377	462	565	586	453	162	48	49	2935
1996	3	41	29	122	398	459	570	507	387	199	69	36	2820
1997	22	19	90	57	293	449	593	567	455	211	14	3	2773
1998	16	1	56	85	393	568	597	595	523	262	72	59	3227
1999	40	53	36	251	349	489	554	658	403	177	39	16	3065
2000	31	60	119	150	406	500	587	603	455	251	60	0	3222
2001	0	44	3	237	338	456	561	539	377	141	74	36	2806
2002	26	4	84	229	358	494	566	580	452	231	32	10	3066

SNOWFALL (inches) 2002 BEAUMONT/PORT ARTHUR, TX (BPT)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1973-74	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
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	T	0.0	0.0	0.0	0.0	0.0	T
1976-77	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T
1977-78	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	0.0	0.0	T
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	0.7	0.0	0.0	0.0	0.0	0.7
1980-81	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1981-82	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2
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	T	0.0	0.0	0.0	0.0	0.0	0.0	T
1984-85	0.0	0.0	0.0	0.0	0.0	0.0	0.4	T	0.0	0.0	0.0	0.0	0.4
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	T	0.0	0.0	0.0	T
1987-88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2
1988-89	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
1989-90	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1990-91	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	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	0.0	T	0.0	T
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	T	0.0	0.0	T
1995-96	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
1996-97													
1997-98													
1998-99													
1999-00													
2000-01													
2001-02													
2002-													
POR= 42 YRS	T	0.0	0.0	0.0	T	0.0	0.1	0.2	0.0	T	T	0.0	0.3

WBAN : 12917

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 EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p>
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2002
BEAUMONT/PORT ARTHUR,
TEXAS (BPT)

Port Arthur is located on the flat Coastal Plain in the extreme southeast corner of Texas. The climate is a mixture of tropical and temperate zone conditions.

Sea breezes prevent extremely high temperatures in the summer, except on rare occasions. The area lies far enough south so that cold air masses modify in severity but still provide freezing temperatures up to six times a year.

High humidity is the result of fairly evenly distributed high normal rainfall and prevailing southerly winds from the Gulf of Mexico.

Cloudy, rainy weather is most common in the winter. Only slightly more than half the winters record even a trace of sleet or snow. Heavy rainfall in summer occurs in short duration thunderstorms and in infrequent tropical storms.

Slow moving systems in the spring and fall often result in three to five days of stormy weather and heavy rain. The lightest precipitation usually occurs in March and October. Funnel clouds and waterspouts are common near the coast. The area enjoys approximately 60 percent of possible sunshine.

Fog, most frequent in midwinter and early spring, is rare in summer. It usually dissipates before noon, but occasionally under stagnant conditions lasts a day or two. Along the immediate coast, fog usually does not form until daybreak, but inland it may form before midnight.

The average wind movement is near 11 mph. Except for severe storms and tropical disturbances, wind seldom exceeds 45 mph. It exceeds 30 mph on only about 40 days in any one year.

The climate is favorable for outdoor activities throughout the year. The abundant rainfall, moderate temperatures, and the short period of temperatures below freezing are particularly favorable for farming and livestock production. Heaviest rain usually falls in the summer when needed for rice. The comparatively dry harvest season simplifies the gathering of rice and feed crops. Cattle on the open range of the coastal marshes need little supplemental feeding or protection. Improved pastures are easily provided because of the moderate temperatures and abundant rainfall.

STATION LOCATION

BEAUMONT/PORT ARTHUR, TEXAS

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE										AUTOMATIC OBSERVING EQUIPMENT * REMARKS	
						SEA LEVEL	GROUND										HYGROMETER
							GROUND	WIND	EXTREME	PSYCHROMETER	SUNSHINE	TIPPING GAUGE	WINDHOLE	8 INCH RAIN GAGE	RAIN GAGE		
*NOTE: AIRPORT																	
Beaumont Municipal AP 6 miles W of Beaumont	5/29/40	3/8/44	NA	30°05'	94°13'	32	38	5	4					4			
Jefferson County AP 7.5 mi. NW Port Arthur	3/8/44	5/27/53	5 mi. SE	29°57'	94°01'	16	38	6	5		a30			4		a. Added 3/1/53.	
Terminal Building Jefferson County AP	5/27/53	7/15/82	100 ft. NW	29°57'	94°01'	16	57 c20 i33	29 g	27 f18	Unk e50 h26 k	25 b3	NA m3	25 b3	d6 j6	NA	b. Moved to field site 7/17/54. c. Effective 1/1/61. d. Commissioned 1200' SE of thermometer site 1/1/61. e. Effective 3/12/62. f. Effective 5/19/64. g. Removed 5/31/64. h. Effective 11/18/76. i. Moved 50' S 1/9/79. j. Moved 50' S 1/18/79. k. Removed 2/20/80. Equipment transferred to Lake Charles, Louisiana. m. Added 9/1/80.	
Hangar Number 1 Jefferson County AP	7/15/82	07/01/95	660 ft. N	29°57'	94°01'	16	n33	NA	18	NA	3	3	3	n6 p6	NA	n. Not relocated 7/15/82. p. Type change 6/14/85.	
Southeast Tx, Regional Airport	07/01/95	Present	NA	29°57'	94°01'	q16								S		ASOS Commissioned 07/01/95 q. Ground Elevation	

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* NOTES: For earlier station history see previous edition.