

2002

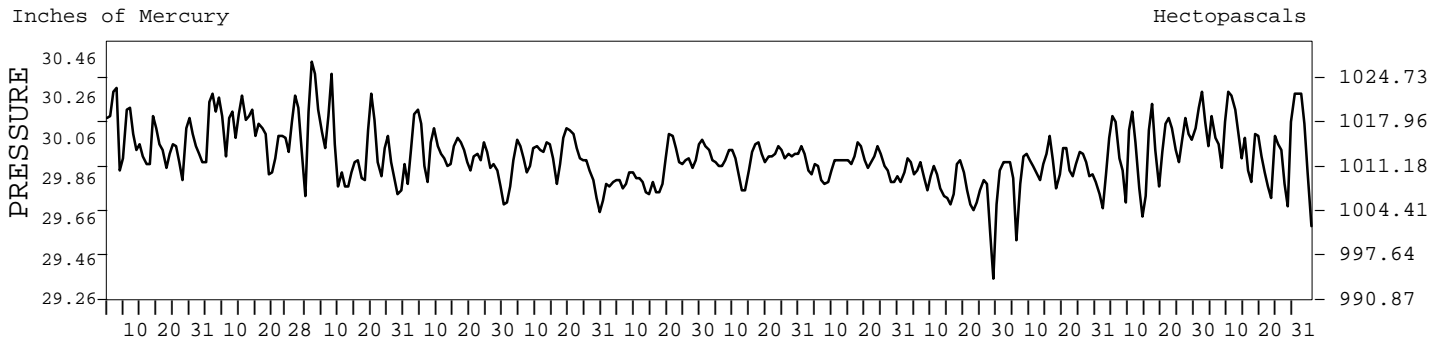
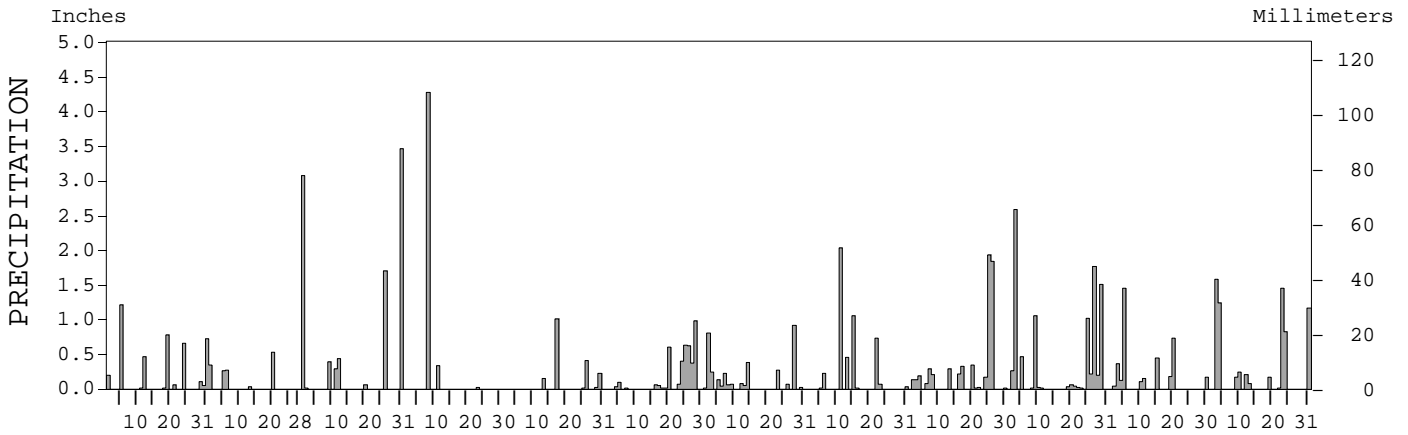
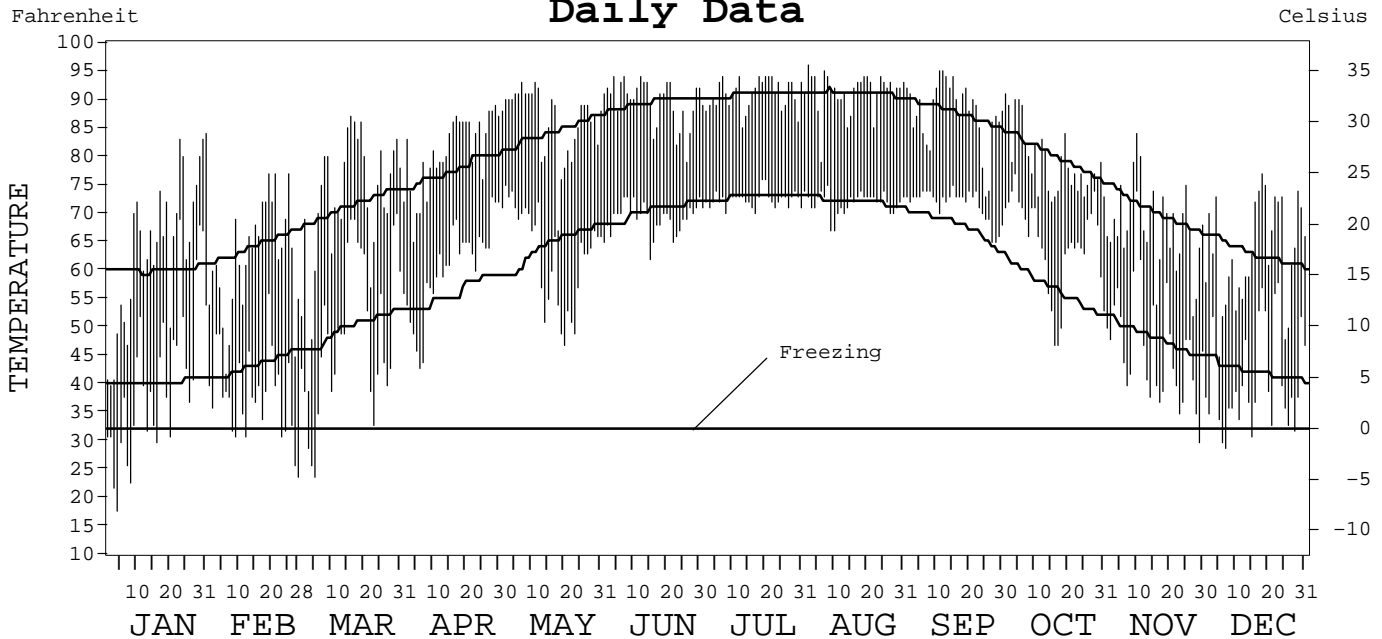
LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-2273

BATON ROUGE,
LOUISIANA (BTR)

Daily Data



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Thomas R. Karl

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METEOROLOGICAL DATA FOR 2002

BATON ROUGE, LA (BTR)

LATITUDE: 30° 32' 14" N LONGITUDE: 91° 08' 49" W ELEVATION (FT): GRND: 67 BARO: 70 TIME ZONE: CENTRAL (UTC + 6) WBAN: 13970

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	64.0	62.2	72.3	80.7	86.2	89.6	90.9	91.4	87.6	79.2	67.7	63.2	77.9	
	HIGHEST DAILY MAXIMUM	84	77	87	89	93	94	94	96	95	91	84	77	96	
	DATE OF OCCURRENCE	31	25+	16	29	11+	12+	22+	02	12+	01	10	18	AUG 02	
	MEAN DAILY MINIMUM	41.2	38.3	48.9	60.4	63.0	69.1	72.5	71.9	71.6	64.5	46.3	40.8	57.4	
	LOWEST DAILY MINIMUM	18	24	24	43	47	62	70	67	65	47	30	29	18	
	DATE OF OCCURRENCE	04	28	05	06	20	15	17+	10+	28+	17+	29	07	JAN 04	
	AVERAGE DRY BULB	52.6	50.3	60.6	70.6	74.6	79.4	81.7	81.7	79.6	71.9	57.0	52.0	67.7	
	MEAN WET BULB	49.1	44.1	55.3	64.7	67.6	72.4	75.3	74.6	73.6	67.0	52.9	48.1	62.1	
	MEAN DEW POINT	44.5	36.4	50.1	60.8	63.8	69.4	73.2	72.2	71.5	64.5	49.1	44.0	58.3	
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	12	19	20	26	14	3	0	0	0	94
	MAXIMUM ≤ 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MINIMUM ≤ 32°	10	7	3	0	0	0	0	0	0	0	1	4	25	
	MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	
H/C	HEATING DEGREE DAYS	416	408	225	29	8	0	0	0	0	13	258	396	1753	
	COOLING DEGREE DAYS	39	2	94	204	312	439	524	526	445	233	25	2	2845	
RH	MEAN (PERCENT)	76	63	72	75	73	77	81	79	82	81	78	77	76	
	HOUR 00 LST	86	72	83	84	87	89	93	91	92	88	87	86	86	
	HOUR 06 LST	87	81	87	91	93	92	95	94	94	90	90	89	90	
	HOUR 12 LST	64	49	59	61	52	59	65	60	66	69	62	63	61	
	HOUR 18 LST	65	50	58	63	60	68	73	71	79	81	76	72	68	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	3	0	3	4	0	2	1	0	2	2	5	1	23	
	THUNDERSTORMS	0	1	5	2	5	13	14	10	4	4	3	3	64	
CLOUDINESS	SUNRISE-SUNSET: (OKTAS)														
	CEILOMETER (≤ 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
	MIDNIGHT-MIDNIGHT: (OKTAS)														
	CEILOMETER (≤ 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
PR	NUMBER OF DAYS WITH:														
	CLEAR														
	PARTLY CLOUDY														
	CLOUDY														
PR	MEAN STATION PRESS. (IN.)	30.05	30.12	30.01	29.98	29.94	29.89	29.96	29.92	29.82	29.90	30.04	30.02	29.97	
	MEAN SEA-LEVEL PRESS. (IN.)	30.12	30.20	30.09	30.06	30.02	29.97	30.04	30.00	29.89	29.98	30.11	30.10	30.05	
WINDS	RESULTANT SPEED (MPH)	1.7	1.4	3.2	2.3	1.6	1.5	0.6	1.1	1.6	1.9	0.5	0.8	1.0	
	RES. DIR. (TENS OF DEGS.)	15	05	15	19	18	12	22	05	05	11	10	17	13	
	MEAN SPEED (MPH)	6.5	6.6	8.6	6.7	7.2	4.8	3.6	4.4	5.6	5.3	5.5	6.6	6.0	
	PREVAIL. DIR. (TENS OF DEGS.)	13	35	18	19	20	09	07	07	07	10	36	19	09	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	30	29	35	31	32	30	29	30	33	37	28	60	60	
	DIR. (TENS OF DEGS.)	23	18	26	14	27	19	07	16	21	15	21	29	29	
	DATE OF OCCURRENCE	24	19	31	08	17	28	22	16	20	03	10	31	DEC 31	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	37	35	44	38	38	37	37	40	40	47	35	78	78	
	DIR. (TENS OF DEGS.)	23	18	26	13	26	23	08	17	21	16	21	28	28	
DATE OF OCCURRENCE	24	19	31	08	17	27	22	16	20	03	10	31	DEC 31		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	4.28	1.44	9.43	4.64	1.83	3.94	3.38	4.63	6.20	9.30	3.76	7.15	59.98	
	GREATEST 24-HOUR (IN.)	1.21	0.53	3.46	4.28	1.01	1.15	0.92	2.03	3.07	2.81	1.46	2.35	4.28	
	DATE OF OCCURRENCE	05	20	31	08	17	25-26	28	11	25-26	02-03	04-05	03-04	APR 08	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	11	5	8	3	6	14	15	9	16	17	10	11	125	
PRECIPITATION ≥ 0.10	7	4	6	2	4	7	7	5	12	9	9	9	81		
PRECIPITATION ≥ 1.00	1	0	3	1	1	0	0	2	2	5	1	4	20		
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

BATON ROUGE, LA (BTR)

LATITUDE: 30° 32' 14" N LONGITUDE: 91° 08' 49" W ELEVATION (FT): GRND: 67 BARO: 70 TIME ZONE: CENTRAL (UTC + 6) WBAN: 13970

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	60.0	63.9	71.0	77.3	84.0	89.2	90.7	90.9	87.4	79.7	70.1	62.8	77.3
	MEAN DAILY MAXIMUM	48	60.8	64.5	71.5	79.0	85.1	90.1	91.5	91.2	87.5	79.9	70.5	63.6	77.9
	HIGHEST DAILY MAXIMUM	51	84	85	91	92	98	103	101	105	104	94	87	85	105
	YEAR OF OCCURRENCE		2002	1989	1963	1987	1953	1954	1960	2000	2000	1986	1986	1982	AUG 2000
	MEAN OF EXTREME MAXS.	54	77.1	79.2	83.8	87.4	92.2	95.5	96.2	96.5	93.9	89.2	83.4	79.2	87.8
	NORMAL DAILY MINIMUM	30	40.2	43.1	49.6	55.8	64.1	70.2	72.7	71.9	67.5	56.4	47.9	42.1	56.8
	MEAN DAILY MINIMUM	48	40.3	43.4	49.5	57.4	64.6	70.5	73.0	72.4	68.4	57.1	47.9	42.3	57.2
	LOWEST DAILY MINIMUM	51	9	15	20	32	44	53	58	59	43	30	21	8	8
	YEAR OF OCCURRENCE		1985	1996	1980	1987	1954	1984	1967	1992	1967	1993	1976	1989	DEC 1989
	MEAN OF EXTREME MINS.	54	23.3	26.6	32.4	41.6	52.2	62.1	68.5	66.3	55.3	41.0	30.9	24.8	43.8
	NORMAL DRY BULB	30	49.8	53.1	61.3	68.9	75.3	80.5	82.3	81.9	78.1	68.6	60.0	52.9	67.7
	MEAN DRY BULB	54	51.0	54.3	60.6	68.0	74.9	80.5	82.1	81.8	77.8	68.5	59.1	53.1	67.6
	MEAN WET BULB	51	46.7	49.1	54.4	61.5	67.9	73.0	74.9	74.5	70.8	61.8	54.0	48.7	61.4
	MEAN DEW POINT	51	42.0	43.8	49.2	57.0	64.3	69.9	72.4	72.0	68.0	57.7	49.6	43.9	57.5
NORMAL NO. DAYS WITH:															
MAXIMUM ≥ 90°	30	0.0	0.0	*	0.4	5.5	18.5	23.4	21.7	11.5	2.0	0.0	0.0	83.0	
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	9.3	5.1	1.1	*	0.0	0.0	0.0	0.0	0.0	0.0	1.6	6.4	23.5	
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	457	326	185	57	4	0	0	0	2	49	212	397	1689
	NORMAL COOLING DEG. DAYS	30	11	15	55	119	298	457	534	523	389	157	48	22	2628
RH	NORMAL (PERCENT)	30	74	71	70	71	72	74	77	78	77	73	75	75	74
	HOUR 00 LST	30	81	78	79	82	84	86	87	88	87	85	85	82	84
	HOUR 06 LST	30	85	84	86	88	90	91	91	92	91	88	88	86	88
	HOUR 12 LST	30	64	59	57	55	56	59	62	62	60	54	58	62	59
	HOUR 18 LST	30	66	60	58	58	60	64	69	70	70	65	68	68	65
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	50	4.3	2.9	2.8	3.0	2.7	1.0	1.7	1.5	2.6	3.9	4.2	3.9	34.5
	THUNDERSTORMS	50	2.1	3.4	4.3	5.0	6.3	9.9	14.8	12.2	6.6	2.4	2.5	2.2	71.7
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	2	6.4	6.4		5.6	5.6	4.4	4.8	2.8	3.2	4.0	4.8	6.4	
	MIDNIGHT-MIDNIGHT (OKTAS)	1	6.4	6.4		5.6	4.8	4.8	4.8	2.8	3.2	4.0	5.6	6.4	
	MEAN NO. DAYS WITH:														
CLEAR	1	10.0	9.5	8.0	7.0	13.0	7.0	9.0	10.0	3.0	5.0	6.0	2.0	89.5	
PARTLY CLOUDY	1	3.5	5.5	3.0	6.0	6.5	17.5	7.0	8.0	2.0	3.0	3.0	2.0	67.0	
CLOUDY	1	14.5	15.0	7.5	9.0	16.5	10.0	9.0	4.0		8.0	7.0	5.0		
PR	MEAN STATION PRESSURE (IN)	29	30.08	30.03	29.96	29.94	29.90	29.92	29.96	29.95	29.93	30.00	30.04	30.07	29.98
	MEAN SEA-LEVEL PRES. (IN)	51	30.16	30.11	30.04	30.01	29.98	29.99	30.03	30.01	30.00	30.06	30.11	30.14	30.05
WINDS	MEAN SPEED (MPH)	46	8.6	8.9	9.0	8.6	7.5	6.6	5.8	5.5	6.3	6.5	7.5	8.0	7.4
	PREVAIL. DIR (TENS OF DEGS)	31	12	36	18	18	18	18	27	07	05	06	12	11	11
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	9	39	39	38	32	39	36	37	37	33	37	32	60	60
	DIR. (TENS OF DEGS)		24	17	27	23	22	21	28	07	21	15	22	29	29
	YEAR OF OCCURRENCE		1999	1998	1996	1997	1999	1996	1997	2000	2002	2002	1997	2002	DEC 2002
	MAXIMUM 5-SECOND:														
SPEED (MPH)	9	47	51	49	39	52	46	47	48	41	47	44	78	78	
DIR. (TENS OF DEGS)		23	17	29	23	25	16	28	09	26	16	22	28	28	
YEAR OF OCCURRENCE		1999	1998	1996	1997	1999	1996	1997	2000	2001	2002	1997	2002	DEC 2002	
PRECIPITATION	NORMAL (IN)	30	6.19	5.10	5.07	5.56	5.34	5.33	5.96	5.86	4.84	3.81	4.76	5.26	63.08
	MAXIMUM MONTHLY (IN)	51	14.94	14.51	12.73	14.84	14.67	23.18	10.98	14.48	13.95	14.48	13.55	15.94	23.18
	YEAR OF OCCURRENCE		1998	1966	1973	1980	1989	1989	1963	1987	1977	1984	1989	1982	JUN 1989
	MINIMUM MONTHLY (IN)	51	1.15	0.64	0.54	0.38	0.35	0.12	2.05	0.38	0.09	T	0.25	1.83	T
	YEAR OF OCCURRENCE		1971	2000	1955	1976	1998	1979	1962	1999	1953	1978	1967	1996	OCT 1978
	MAXIMUM IN 24 HOURS (IN)	51	9.02	4.72	6.07	12.08	4.96	9.97	4.26	8.31	6.31	8.38	7.29	8.28	12.08
	YEAR OF OCCURRENCE		1993	1979	1973	1967	1954	2001	1969	1987	1973	1964	1989	1982	APR 1967
	NORMAL NO. DAYS WITH:														
PRECIPITATION ≥ 0.01	30	10.2	8.7	8.9	7.1	7.7	9.9	13.2	12.4	9.3	5.3	7.7	9.7	110.1	
PRECIPITATION ≥ 1.00	30	1.7	1.8	1.8	1.4	1.6	1.2	2.1	1.9	1.5	1.3	1.5	1.9	19.7	
SNOWFALL	NORMAL (IN)	30	0.*	0.2	0.*	0.0	0.0	0.0	0.0	0.0	0.0	0.*	0.*	0.2	
	MAXIMUM MONTHLY (IN)	46	0.6	3.2	T	0.0	T	0.0	0.0	0.0	0.0	T	T	3.2	
	YEAR OF OCCURRENCE		1973	1988	1993		1989					1976	1989	FEB 1988	
	MAXIMUM IN 24 HOURS (IN)	45	0.5	3.2	T	0.0	T	0.0	0.0	0.0	0.0	T	T	3.2	
	YEAR OF OCCURRENCE		1973	1988	1993		1989					1976	1989	FEB 1988	
	MAXIMUM SNOW DEPTH (IN)	46	2	2	0	0	0	0	0	0	0	T	0	2	
	YEAR OF OCCURRENCE		1949	1988								1976			FEB 1988
	NORMAL NO. DAYS WITH:														
SNOWFALL ≥ 1.0	30	0.0	0.1	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 BATON ROUGE, LA (BTR)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1973	4.01	3.64	12.73	10.10	5.60	2.99	4.34	4.92	13.08	1.89	7.44	8.29	79.03
1974	8.33	6.66	5.66	5.59	5.23	1.11	5.89	6.45	2.19	1.61	4.55	3.70	56.97
1975	7.77	1.42	4.49	10.18	5.49	5.11	9.30	11.69	3.54	2.58	2.16	2.37	66.10
1976	3.72	4.67	5.18	0.38	4.92	4.90	7.63	2.31	1.46	3.10	5.00	5.80	49.07
1977	6.50	3.89	4.85	7.10	3.97	1.46	6.35	13.31	13.95	3.05	10.35	2.92	77.70
1978	6.55	2.24	1.86	2.92	7.43	2.94	7.14	7.54	3.83	-.01	4.94	1.94	49.32
1979	6.25	10.83	4.26	11.48	5.37	0.12	8.76	4.94	3.55	2.47	5.06	2.82	65.91
1980	4.67	3.56	8.25	14.84	7.28	5.35	7.68	1.32	7.74	5.66	5.57	2.38	74.30
1981	1.20	7.07	1.74	3.09	4.47	4.70	4.25	4.46	3.95	1.42	1.51	5.35	43.21
1982	3.35	6.48	2.81	4.60	4.05	2.91	5.18	3.93	2.47	2.42	3.05	15.94	57.19
1983	6.25	4.63	5.39	12.75	6.17	12.25	3.39	8.39	4.47	1.55	4.33	8.06	77.63
1984	2.77	6.63	1.20	1.79	3.82	3.00	4.95	3.92	2.37	14.48	2.74	3.76	51.43
1985	4.56	5.95	4.15	1.61	2.72	4.13	8.85	6.92	6.31	10.08	0.42	4.68	60.38
1986	1.53	3.50	2.71	2.94	8.21	6.10	3.31	6.38	1.91	4.40	8.52	6.19	55.70
1987	7.04	7.97	6.02	1.40	4.23	4.48	6.42	14.48	0.78	1.54	3.78	3.89	62.03
1988	3.98	12.49	9.00	4.66	0.95	4.16	6.45	11.02	9.48	2.80	2.88	8.17	76.04
1989	4.02	1.51	4.64	2.34	14.67	23.18	6.25	5.16	4.51	2.18	13.55	6.31	88.32
1990	11.41	7.91	5.84	2.71	3.61	7.15	7.37	4.35	5.06	3.15	2.12	4.77	65.45
1991	9.69	7.85	3.21	9.18	10.63	5.21	5.29	10.67	6.31	4.64	2.70	2.36	77.74
1992	9.70	7.53	4.46	2.29	2.16	14.45	6.52	7.64	1.50	1.21	8.09	4.70	70.25
1993	13.35	2.82	5.36	11.58	2.18	3.14	4.48	4.29	1.46	5.49	3.76	3.29	61.20
1994	6.66	2.98	3.75	8.75	5.81	6.99	10.32	3.05	4.13	5.13	1.24	3.07	61.88
1995	7.27	3.56	10.70	9.55	10.82	2.34	2.36	5.34	2.70	3.10	8.16	8.99	74.89
1996	6.41	3.27	6.21	5.92	3.14	5.04	2.52	5.94	6.57	10.17	2.30	1.83	59.32
1997	6.04	7.98	3.43	9.51	7.46	7.83	4.71	4.26	1.18	3.49	6.06	6.32	68.27
1998	14.94	5.60	4.03	5.05	0.35	2.51	3.56	3.05	8.54	2.23	3.05	3.58	56.49
1999	5.48	1.78	5.39	0.64	5.49	6.67	5.97	0.38	4.08	7.04	0.87	5.27	49.06
2000	2.78	0.64	3.36	1.55	1.15	4.78	3.61	2.68	3.04	1.07	10.71	2.73	38.10
2001	4.00	1.83	7.35	0.55	0.83	21.36	3.20	5.77	7.11	5.49	0.58	4.25	62.32
2002	4.28	1.44	9.43	4.64	1.83	3.94	3.38	4.63	6.20	9.30	3.76	7.15	59.98
POR= 110 YRS	5.22	4.74	5.07	4.91	4.89	4.77	6.33	5.50	4.29	3.34	3.97	5.20	58.23

WBAN : 13970

AVERAGE TEMPERATURE (°F) 2002 BATON ROUGE, LA (BTR)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1973	49.3	51.2	65.2	65.5	74.1	81.0	84.4	80.9	79.9	73.3	66.2	52.9	68.7
1974	60.8	55.4	67.1	68.5	76.9	77.8	81.3	80.4	75.8	67.2	58.5	54.1	68.7
1975	55.7	57.1	60.5	66.5	75.4	79.6	81.4	81.0	74.7	69.0	59.7	51.0	67.6
1976	48.6	59.1	63.6	68.4	71.1	77.9	81.1	80.9	76.9	61.9	51.4	49.9	65.9
1977	41.8	53.1	62.7	67.9	75.6	82.5	83.3	81.3	79.7	66.8	61.4	52.7	67.4
1978	42.6	45.3	57.1	68.0	76.6	81.8	83.1	81.7	78.8	68.0	63.4	52.2	66.6
1979	42.7	50.1	60.5	68.8	72.1	79.1	81.5	80.9	76.0	68.0	54.9	50.0	65.4
1980	52.6	50.3	58.8	66.2	76.2	82.0	83.7	82.2	80.2	64.1	55.9	50.7	66.9
1981	46.2	52.8	59.1	72.0	71.9	81.7	83.6	82.6	76.3	68.4	62.2	51.8	67.4
1982	52.7	51.8	63.1	67.9	76.3	82.6	82.3	82.4	77.0	68.6	60.9	57.0	68.6
1983	48.7	51.4	57.3	62.6	72.6	77.0	82.0	82.2	75.2	68.0	58.9	46.5	65.2
1984	45.4	53.4	59.9	68.0	73.8	78.9	80.3	79.8	75.9	73.5	57.3	61.3	67.3
1985	43.8	50.4	64.9	68.7	74.0	80.2	80.7	82.0	76.5	72.1	66.3	48.6	67.4
1986	50.7	57.8	60.5	68.5	76.4	81.6	83.8	82.1	82.0	69.1	63.8	51.0	68.9
1987	49.0	55.0	58.7	65.7	76.9	79.7	82.4	83.1	77.5	64.3	60.5	57.4	67.5
1988	47.0	51.9	60.2	68.0	73.7	80.3	82.7	83.0	79.0	66.9	63.9	55.0	67.6
1989	58.7	53.7	63.2	67.4	76.5	79.9	82.0	82.5	77.2	67.9	60.9	44.6	67.9
1990	56.9	60.6	63.2	68.1	76.6	83.9	82.2	82.9	79.6	66.5	61.5	56.3	69.9
1991	50.9	56.7	63.1	70.9	77.2	81.6	83.5	82.1	77.6	70.7	55.7	57.1	68.9
1992	50.8	58.2	61.8	67.0	73.3	80.3	84.0	79.8	78.5	68.9	55.3	56.3	67.9
1993	54.3	54.4	58.9	63.8	71.0	79.9	82.3	82.8	78.0	67.0	55.6	50.3	66.5
1994	47.9	53.7	59.9	68.6	73.3	80.5	80.3	80.6	76.5	69.0	62.8	54.8	67.3
1995	51.3	55.0	61.8	68.2	76.9	78.7	83.1	83.5	78.9	68.7	57.8	53.1	68.1
1996	51.4	54.1	56.6	64.9	76.6	79.0	81.9	80.0	76.2	67.7	60.0	55.2	67.0
1997	51.2	54.9	64.2	62.4	72.9	79.0	82.5	81.2	78.5	68.0	55.7	49.8	66.7
1998	53.9	53.5	58.4	65.3	77.6	83.2	84.5	83.4	80.8	71.0	62.7	55.9	69.2
1999	55.9	58.6	59.3	71.8	74.5	80.3	81.6	85.1	76.1	67.6	59.0	52.3	68.5
2000	54.1	59.9	64.1	65.5	78.3	80.6	82.9	84.3	77.6	67.4	56.0	45.6	68.0
2001	47.7	59.2	56.8	70.6	74.3	78.0	81.7	81.0	75.9	64.8	63.1	55.0	67.3
2002	52.6	50.3	60.6	70.6	74.6	79.4	81.7	81.7	79.6	71.9	57.0	52.0	67.7
POR= 110 YRS	52.1	54.1	61.2	66.8	73.7	80.4	82.0	81.8	78.1	69.0	58.4	52.6	67.5

HEATING DEGREE DAYS (base 65°F) 2002 BATON ROUGE, LA (BTR)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1973-74	0	0	0	18	86	384	179	285	70	28	0	0	1050
1974-75	0	0	0	27	236	361	308	250	202	74	0	0	1458
1975-76	0	0	6	24	246	446	507	189	118	13	0	0	1549
1976-77	0	0	0	140	401	464	710	331	141	18	0	0	2205
1977-78	0	0	0	56	144	387	694	546	258	29	2	0	2116
1978-79	0	0	0	32	104	427	687	418	178	19	5	0	1870
1979-80	0	0	0	44	308	465	379	433	225	44	0	0	1898
1980-81	0	0	0	96	279	448	576	345	192	10	6	0	1952
1981-82	0	0	4	64	132	410	425	366	181	59	0	0	1641
1982-83	0	0	3	51	184	297	499	375	249	114	2	0	1774
1983-84	0	0	8	51	216	571	598	338	188	46	5	0	2021
1984-85	0	0	8	16	248	179	648	413	72	33	2	0	1619
1985-86	0	0	0	23	76	509	433	230	169	25	0	0	1465
1986-87	0	0	0	31	118	431	490	280	201	90	0	0	1641
1987-88	0	0	0	66	181	264	559	378	186	25	1	0	1660
1988-89	0	0	0	20	129	325	230	357	170	68	0	0	1299
1989-90	0	0	0	62	177	626	258	153	126	57	0	0	1459
1990-91	0	0	1	94	147	311	432	238	146	15	0	0	1384
1991-92	0	0	1	25	332	273	433	207	130	56	12	0	1469
1992-93	0	0	0	6	297	271	329	299	214	104	0	0	1520
1993-94	0	0	1	83	314	455	527	328	203	64	0	0	1975
1994-95	0	0	0	40	117	315	423	280	158	31	0	0	1364
1995-96	0	0	1	31	232	410	423	365	293	95	3	0	1853
1996-97	0	0	5	49	182	312	450	300	91	105	3	0	1497
1997-98	0	0	0	79	277	464	338	316	253	70	0	0	1797
1998-99	0	0	0	15	94	335	312	213	182	30	2	0	1183
1999-00	0	0	0	67	189	402	355	198	99	62	0	0	1372
2000-01	0	0	7	57	315	597	529	210	252	38	0	0	2005
2001-02	0	0	3	99	106	325	416	408	225	29	8	0	1619
2002-	0	0	0	13	258	396							

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COOLING DEGREE DAYS (base 65°F) 2002 BATON ROUGE, LA (BTR)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1973	0	2	92	113	292	486	607	499	455	282	128	15	2971
1974	57	21	142	141	380	390	511	485	329	103	49	33	2641
1975	30	36	68	126	329	446	515	500	302	156	94	16	2618
1976	2	25	82	123	195	394	506	501	367	51	2	0	2248
1977	0	4	77	111	337	535	573	513	447	121	42	12	2772
1978	8	0	18	129	371	512	567	526	424	131	63	32	2781
1979	1	6	44	141	233	430	521	501	338	144	14	6	2379
1980	0	15	40	84	352	514	586	539	461	75	15	10	2691
1981	0	7	17	227	226	509	581	553	350	176	56	4	2706
1982	49	1	130	152	359	536	546	547	370	170	66	56	2982
1983	0	0	14	48	243	368	533	538	325	152	39	4	2264
1984	0	7	38	141	286	423	480	468	343	286	22	69	2563
1985	0	10	76	148	291	459	492	533	352	248	121	11	2741
1986	0	35	36	136	359	503	592	536	517	164	89	5	2972
1987	3	4	14	116	376	447	548	568	384	53	51	33	2597
1988	7	4	44	121	275	467	555	564	428	88	102	21	2676
1989	42	47	119	148	365	453	534	550	373	157	62	0	2850
1990	17	36	81	155	366	572	543	563	445	150	52	46	3026
1991	2	12	92	201	386	504	577	537	385	209	59	36	3000
1992	0	17	38	126	274	463	593	469	412	135	11	9	2547
1993	6	5	33	75	192	452	543	560	398	152	41	5	2462
1994	4	19	52	180	263	472	482	488	352	170	62	5	2549
1995	8	9	68	137	377	418	572	583	425	159	29	52	2837
1996	8	54	40	101	370	428	529	472	344	135	41	14	2536
1997	29	23	72	32	255	426	548	510	414	180	5	2	2496
1998	2	0	56	86	398	552	612	580	484	211	31	61	3073
1999	35	42	11	241	304	465	523	629	339	152	17	16	2774
2000	23	55	79	82	418	476	560	606	392	136	54	0	2881
2001	0	54	4	210	294	398	524	504	339	99	54	22	2502
2002	39	2	94	204	312	439	524	526	445	233	25	2	2845

SNOWFALL (inches) 2002 BATON ROUGE, LA (BTR)

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	T	0.0	0.0	0.0	0.0	0.0	0.0	T
1974-75	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
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	T	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	0.0	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	0.0	T	0.0	0.0	0.0	T
1980-81	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	0.0	0.0	T
1981-82	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	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	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	T	T	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987-88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2
1988-89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.0	T	0.0	T
1989-90	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	T
1990-91	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
1991-92	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	T
1992-93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0			
1993-94	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
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1995-96	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= 47 YRS	0.0	0.0	0.0	0.0	T	T	T	T	T	0.0	T	0.0	T

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REFERENCE NOTES:

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

Baton Rouge, the capital city, is located on the east side of the Mississippi River in the southeast section of the state, some 65 miles inland from the coast. The area is near the first evident relief north of the deltaic coastal plains. The NOAA National Weather Service Office is located at Ryan Airport, some 8 miles north of the downtown area. Elevations in East Baton Rouge Parish range from near 25 feet to more than 100 feet above sea level.

The general climate of Baton Rouge is humid subtropical, but the city is subject to significant polar influences during winter. Prevailing wind flow is from the southerly direction during much of the year. This maritime air from the Gulf of Mexico helps to temper summer heat, shorten winter cold spells, and provides abundant moisture and rainfall. Winds are usually rather light.

Rainfall is heavy and amounts are substantial in all seasons, with an early autumn low in September and October. Almost all rainfall is from brief convective showers. Occasionally during winter, slow moving cold fronts may produce rains lasting for a few days. Extremes of precipitation may occur in all seasons.

The winter months are normally mild with short cold spells. The typical pattern is, turning cold with rain on the first day, colder with clear skies on the second day, and warming on the third day. Freezing or sub-freezing temperatures occur several times annually, but temperatures nearly always rise above freezing during the day. The average date of the first freeze in the autumn is late November, and the average date of the last freeze in spring is late February, producing a mean freeze-free period of 273 days. Annual total snowfall averages only a fraction of an inch and many years pass with no measurable snow.

The summer months are consistently quite warm, but high temperatures rarely exceed 100 degrees. This is because of the high humidity of the maritime tropical air mass, the effects of cloudiness, and the scattered showers and thunderstorms which are a primary feature of the weather during these months. Scattered showers normally fall in the area on about one-half of the days in June, July, and August.

Except for three or four days per month, point rainfall totals are usually less than 0.5 inch. Summer relative humidity exceeds 80 percent for about 12 hours per day. High humidity may be experienced at any hour, but occurs mainly at night. Readings of 50 percent or less occur about two hours per day, usually in the afternoons. Temperatures in the spring are usually mild and pleasant and in the autumn they are generally delightful for outdoor activities.

Thunderstorms occur each month, most frequently in July and August. Severe local storms, including hailstorms, tornadoes, and local wind storms, are most frequent during the spring months. Large damaging hail very rarely occurs and tornadoes are unusual. Hurricane centers have occasionally passed very near Baton Rouge.

STATION LOCATION

BATON ROUGE, LOUISIANA

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE										AUTOMATIC OBSERVING EQUIPMENT *	* TYPE	REMARKS
						GROUND												
						SEA LEVEL	GROUND	WIND	EXTREME	PSYCHROMETER	SUNSHINE	TIPPING GAUGE	WEIGHING RAIN	8 INCH RAIN GAGE	HYGROMETER			
*NOTES: <u>AIRPORT</u> Administration Building Municipal Airport	6/4/32	9/14/41	NA	30°27'	91°07'	56	60		4									Operated on scheduled flight basis to 9/15/41. Operated jointly by CAA and Army Air Force 9/15/41-5/11/42.
Harding Field	4/12/42	2/25/45	8 mi. N	30°32'	91°09'	64												USAF station established 5/12/42.
Harding Field Building 173	2/25/45	5/26/45	Unknown	30°32'	91°09'	68	25	4	4						3			USAF station closed and Weather Bureau office opened.
Harding Field Building 103	5/26/45	1/12/48	0.75mi. E	30°32'	91°09'	64	28	6	6						3			
Harding Field, Hangar	1/12/48	5/15/51	800ft.S	30°32'	91°09'	64	69	55	55			46	46					
Terminal Building Harding Field + + Ryan Airport (Effective 3/10/54)	5/15/51	10/20/78	1000ft. N	30°32'	91°09'	64	70 a20	19 f	19	NA	NA d4 g18	18 c4 g18	18 b4 e5	NA NA	NA NA			a. Moved 1300' ESE 2/15/59. b. Commissioned 1300' ESE of thermometer site 8/4/59. c. Effective 2/10/67. d. Installed 2/25/67. e. Effective 4/67. f. Removed 1/7/70. g. Moved to roof 8/4/73.
Nat. Wea. Service Bldg. Ryan Airport	10/20/78	05/01/93	3960 ft. ESE	30°32'	91°08'	64	h20 i33	NA	5	NA	4	4	4	5 j6	NA			h. Not moved 10/20/78. i. Relocated 10/2/85. j. Minor move & type change 10/2/85.
Ryan Airport	05/01/93	Present	NA	30°32'	91°09'	k67								S				ASOS commissioned 05/01/93 k. Ground elevation.

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* NOTES: For earlier station history see previous edition.