

2004

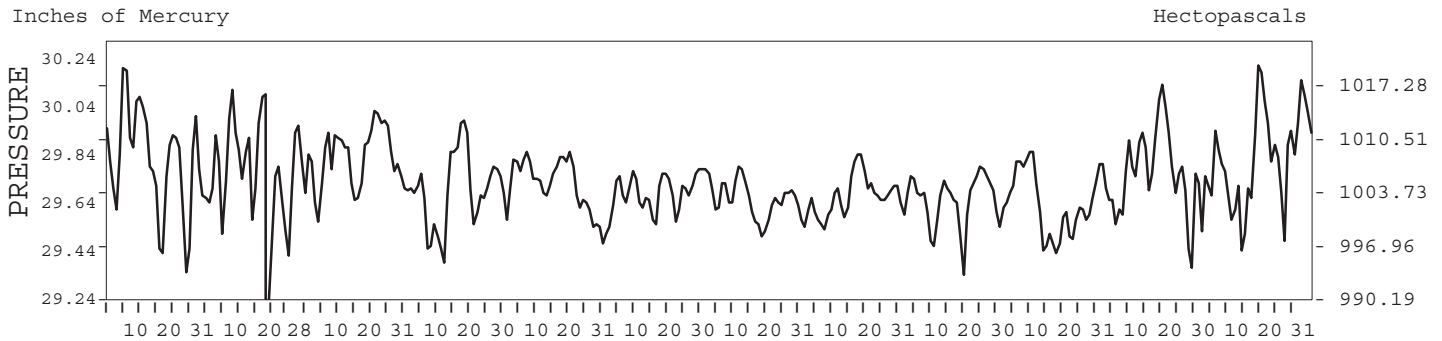
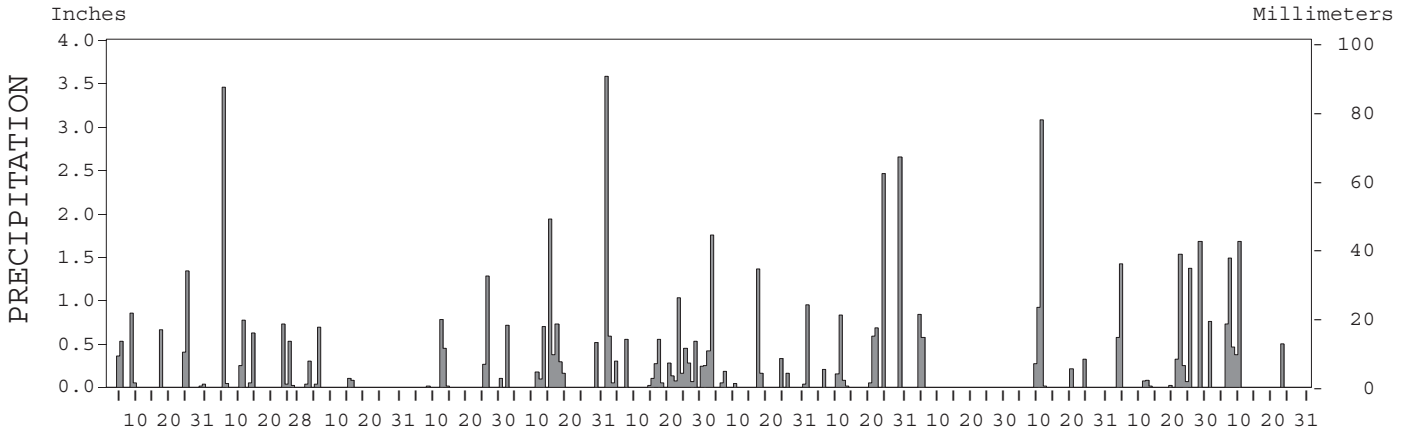
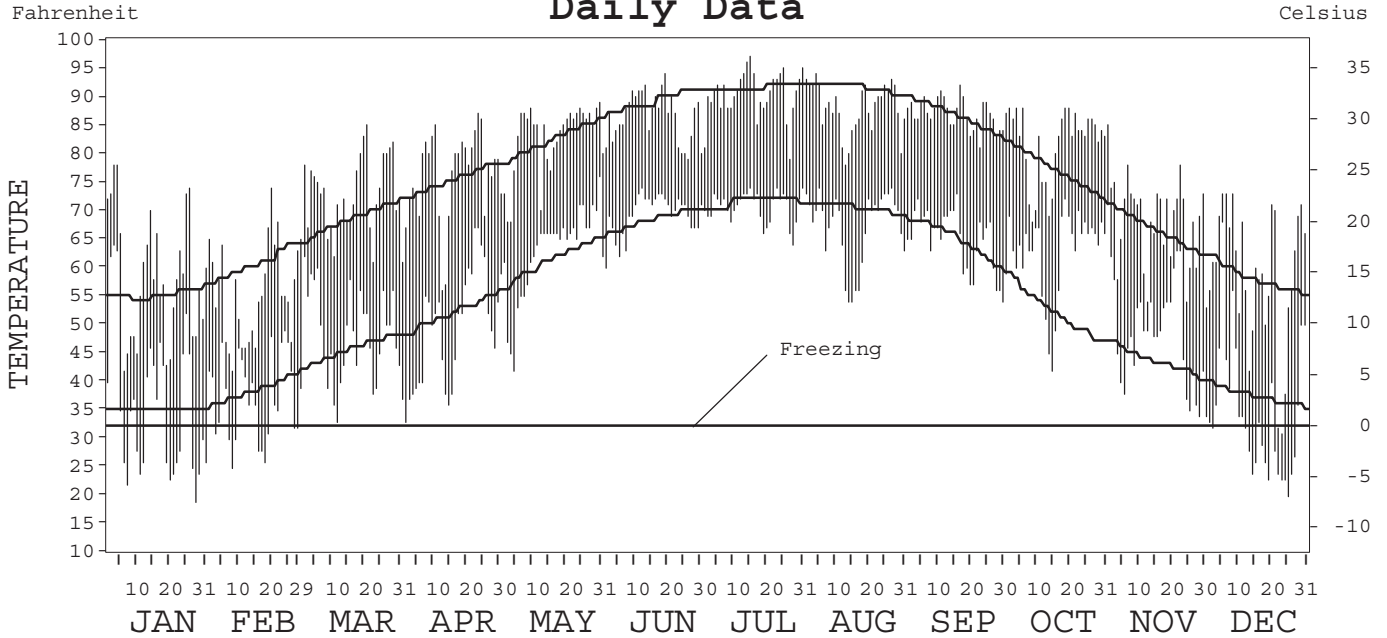
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-2796

JACKSON,
MISSISSIPPI (JAN)

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
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METEOROLOGICAL DATA FOR 2004

JACKSON, MS (JAN)

LATITUDE: 32° 19' 11" N LONGITUDE: 90° 04' 39" W ELEVATION (FT): GRND: 293 BARO: 296 TIME ZONE: CENTRAL (UTC + 6) WBAN: 03940

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	58.4	55.7	72.8	76.2	82.8	86.5	90.4	88.0	87.0	81.7	68.7	58.6	75.6	
	HIGHEST DAILY MAXIMUM	78	74	85	87	89	94	97	94	92	92	85	73	97	
	DATE OF OCCURRENCE	04+	20	20	23	30	19	15	04	17	20	01	09+	JUL 15	
	MEAN DAILY MINIMUM	35.9	37.3	48.1	49.7	62.8	69.2	70.6	67.1	64.9	62.5	49.1	34.5	54.3	
	LOWEST DAILY MINIMUM	19	25	33	33	42	60	64	54	54	42	34	20	19	
	DATE OF OCCURRENCE	28	08	11	01	04	01	28	15+	30	15	29	26	JAN 28	
	AVERAGE DRY BULB	47.2	46.5	60.5	63.0	72.8	77.9	80.5	77.6	76.0	72.1	58.9	46.6	65.0	
	MEAN WET BULB	42.4		53.5	56.1	66.8	72.1	73.5	70.2	67.5	66.4	54.7	42.3		
	MEAN DEW POINT	36.8		46.8	49.9	63.6	69.5	70.8	66.5	63.4	63.2	51.2	36.7		
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	0	9	19	14	6	0	0	0	0	48
	MAXIMUM ≤ 32°	0	0	0	0	0	0	0	0	0	0	0	2	2	2
	MINIMUM ≤ 32°	15	10	0	0	0	0	0	0	0	0	0	15	40	40
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
H/C	HEATING DEGREE DAYS	558	529	168	119	20	0	0	0	0	18	203	570	2185	
	COOLING DEGREE DAYS	15	0	31	65	271	395	488	394	338	247	27	6	2277	
RH	MEAN (PERCENT)	72	77	65	67	76	80	77	74	70	78	78	71	74	
	HOUR 00 LST	80	86	75	81	87	90	90	87	82	87	85	81	84	
	HOUR 06 LST	85	89	85	89	93	92	92	91	88	90	87	84	89	
	HOUR 12 LST	58	68	49	47	59	64	60	55	51	62	66	53	58	
	HOUR 18 LST	68	71	50	51	66	73	68	63	64	76	81	69	67	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	0	3	1	2	2	2	1	2	1	6	2	1	23	
	THUNDERSTORMS	1	3	0	7	7	13	13	10	2	3	8	3	70	
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.)	29.81		29.83	29.69	29.71	29.69	29.65	29.67	29.65	29.64	29.76	29.84		
	MEAN SEA-LEVEL PRESS. (IN.)	30.17		30.18	30.04	30.05	30.03	29.99	30.02	29.99	29.98	30.11	30.20		
WINDS	RESULTANT SPEED (MPH)	0.7		0.8	0.9	2.2	0.6	0.4	0.9	2.8	1.8	1.8	0.8		
	RES. DIR. (TENS OF DEGS.)	33		19	19	18	16	03	04	05	20	16	29		
	MEAN SPEED (MPH)	6.3	7.3	6.9	5.9	5.3	4.0	3.5	4.5	5.8	5.2	6.7	5.9	5.6	
	PREVAIL. DIR. (TENS OF DEGS.)	34	16	16	18	17	17	18	35	11	18	17	17	17	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	26	28	31	25	29	28	24	29	31	25	28	29	31	
	DIR. (TENS OF DEGS.)	17	16	16	16	17	35	24	06	34	11	25	27	34	
	DATE OF OCCURRENCE	25	05	04	29	16	19	16	28	16	10	24	07	SEP 16	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	32	35	37	31	37	39	35	35	39	31	43	36	43	
DIR. (TENS OF DEGS.)	29	16	17	30	17	36	24	05	35	12	24	27	24		
DATE OF OCCURRENCE	26+	05	04	13	16	19	16	28	16	10	24	07	NOV 24		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	4.23	6.50	1.23	2.89	9.25	5.96	5.43	7.70	1.41	4.81	8.14	5.23	62.78	
	GREATEST 24-HOUR (IN.)	1.74	3.48	0.69	1.47	3.58	1.09	1.75	2.65	1.35	3.08	1.88	2.05	3.58	
	DATE OF OCCURRENCE	24-25	05-06	05	24-25	31	21-22	02	28	03-04	10	02-03	08-09	MAY 31	
	NUMBER OF DAYS WITH:														
PRECIPITATION ≥ 0.01	9	10	6	7	11	20	11	10	2	6	13	6	111		
PRECIPITATION ≥ 0.10	6	6	3	5	10	15	8	7	2	5	8	6	81		
PRECIPITATION ≥ 1.00	1	1	0	1	2	1	2	2	0	1	4	2	17		
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

JACKSON, MS (JAN)

LATITUDE: 32° 19' 11" N LONGITUDE: 90° 04' 39" W ELEVATION (FT): GRND: 293 BARO: 296 TIME ZONE: CENTRAL (UTC + 6) WBAN: 03940

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	55.1	60.3	68.1	75.0	82.1	88.9	91.4	91.4	86.4	76.8	66.3	57.9	75.0
	MEAN DAILY MAXIMUM	40	56.1	60.4	68.6	76.9	83.7	90.1	92.2	91.6	86.9	77.7	68.0	59.5	76.0
	HIGHEST DAILY MAXIMUM	40	83	85	89	94	99	105	106	107	104	95	88	84	107
	YEAR OF OCCURRENCE		2002	1989	1982	1987	1964	1988	1980	2000	1998	1971	1978	1978	AUG 2000
	MEAN OF EXTREME MAXS.	41	74.4	77.9	83.6	87.1	91.8	96.0	97.9	97.2	94.6	89.1	82.8	76.5	87.4
	NORMAL DAILY MINIMUM	30	35.0	38.2	45.4	51.7	61.0	68.1	71.4	70.3	64.6	52.0	43.4	37.3	53.2
	MEAN DAILY MINIMUM	40	34.8	37.3	44.6	52.5	60.9	68.0	71.4	70.1	64.9	52.1	43.5	37.3	53.1
	LOWEST DAILY MINIMUM	40	2	10	15	27	38	47	51	54	35	26	17	4	2
	YEAR OF OCCURRENCE		1985	1996	1980	1987	1971	1984	1967	2004	1967	1993	1976	1989	JAN 1985
	MEAN OF EXTREME MINS.	41	16.5	20.0	26.7	35.1	46.1	55.9	64.1	62.0	49.7	35.3	26.3	19.9	38.1
	NORMAL DRY BULB	30	45.0	49.2	56.8	63.4	71.5	78.5	81.4	80.9	75.5	64.4	54.8	47.6	64.1
	MEAN DRY BULB	41	45.3	48.8	56.7	64.7	72.2	79.0	81.8	81.0	75.9	65.1	55.8	48.1	64.5
	MEAN WET BULB	38	41.5	44.1	51.0	58.6	65.6	71.5	74.3	73.3	69.1	58.9	51.3	44.1	58.6
	MEAN DEW POINT	38	36.8	38.9	45.8	53.8	62.0	68.3	71.6	70.7	65.9	54.9	47.2	39.8	54.6
NORMAL NO. DAYS WITH:															
MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.2	4.4	17.9	24.3	23.5	12.7	1.0	0.0	0.0	84.0	
MAXIMUM ≤ 32°	30	0.9	0.4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*	0.3	1.6	
MINIMUM ≤ 32°	30	14.2	9.4	3.6	0.4	0.0	0.0	0.0	0.0	0.0	0.4	5.5	12.6	46.1	
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	611	440	272	115	11	0	0	0	7	102	315	528	2401
	NORMAL COOLING DEG. DAYS	30	0	8	32	82	228	419	524	505	338	99	25	4	2264
RH	NORMAL (PERCENT)	30	76	73	71	71	74	75	77	76	76	75	77	76	75
	HOUR 00 LST	30	84	82	81	85	87	88	91	90	89	88	87	85	86
	HOUR 06 LST	30	87	87	87	90	92	92	94	95	94	93	90	88	91
	HOUR 12 LST	30	65	60	56	53	56	57	59	57	57	54	58	63	58
	HOUR 18 LST	30	71	63	58	57	61	62	66	65	69	71	75	73	66
S	PERCENT POSSIBLE SUNSHINE	31	49	55	61	66	63	71	64	65	63	67	57	47	61
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	40	3.1	1.9	1.8	1.6	1.1	0.7	1.3	1.5	1.5	2.3	2.4	3.2	22.4
	THUNDERSTORMS	40	2.2	2.7	5.8	5.4	7.0	9.1	13.0	10.3	5.0	2.3	2.6	2.3	67.7
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	1	6.4	5.6	4.8	4.0	4.0	3.6	5.6	3.2	2.4	5.2	5.6	6.4	4.7
	MIDNIGHT-MIDNIGHT (OKTAS)	1	6.4	5.6	4.8	4.0	4.0	3.2	3.6	2.8	2.4	5.6	5.6	6.4	4.5
	MEAN NO. DAYS WITH:														
CLEAR	2	8.5	12.5	10.0	12.0	16.0	14.5	9.0	9.0	5.0	6.0	5.0	3.0	110.5	
PARTLY CLOUDY	2	3.5	3.5	4.0	6.0	8.0	12.0	4.0	7.0			1.0	3.0		
CLOUDY	2	15.0	13.0	10.0	5.0	11.5	9.0	14.0	5.0	1.0	12.0	7.0	5.0	107.5	
PR	MEAN STATION PRESSURE (IN)	31	29.80	29.76	29.69	29.66	29.63	29.64	29.68	29.68	29.68	29.74	29.76	29.80	29.71
	MEAN SEA-LEVEL PRES. (IN)	37	30.16	30.12	30.04	30.01	29.98	29.99	30.02	30.02	30.02	30.08	30.11	30.15	30.06
WINDS	MEAN SPEED (MPH)	33	7.9	8.1	8.3	7.5	6.7	5.8	5.1	5.1	6.0	6.0	6.9	7.6	6.8
	PREVAIL. DIR (TENS OF DEGS)	34	34	34	16	16	16	15	15	14	14	14	16	15	15
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	11	37	43	37	44	29	39	44	36	55	30	29	41	55
	DIR. (TENS OF DEGS)		33	13	14	14	17	34	02	16	06	31	26	15	06
	YEAR OF OCCURRENCE		2002	1998	1999	2002	2004	1994	1998	2003	1998	2002	2000	1994	SEP 1998
	MAXIMUM 5-SECOND:														
SPEED (MPH)	11	47	51	47	54	39	47	53	45	63	44	43	46	63	
DIR. (TENS OF DEGS)		33	14	33	29	26	33	02	17	06	15	24	15	06	
YEAR OF OCCURRENCE		2002	1998	2000	1996	1997	1994	1998	2003	1998	2002	2004	1994	SEP 1998	
PRECIPITATION	NORMAL (IN)	30	5.67	4.50	5.74	5.98	4.86	3.82	4.69	3.66	3.23	3.42	5.04	5.34	55.95
	MAXIMUM MONTHLY (IN)	40	14.10	10.28	15.13	15.95	10.82	8.45	13.25	8.33	9.61	9.13	9.98	17.70	17.70
	YEAR OF OCCURRENCE		1979	1987	1976	1991	1967	1997	1979	1992	1965	1970	1977	1982	DEC 1982
	MINIMUM MONTHLY (IN)	40	0.75	1.29	1.23	1.21	0.29	0.10	1.04	0.26	0.56	0.00	0.51	0.91	0.00
	YEAR OF OCCURRENCE		1986	2000	2004	1987	1988	1988	1987	2000	1969	1963	1985	1980	OCT 1963
	MAXIMUM IN 24 HOURS (IN)	40	5.63	4.78	4.69	8.50	3.58	6.49	5.49	4.79	5.86	6.99	4.34	6.71	8.50
	YEAR OF OCCURRENCE		1979	2003	1991	2003	2004	1997	2001	1992	1965	1975	1983	1982	APR 2003
	NORMAL NO. DAYS WITH:														
PRECIPITATION ≥ 0.01	30	10.9	9.2	10.3	8.4	9.2	9.1	10.6	9.1	7.9	6.3	8.9	9.8	109.7	
PRECIPITATION ≥ 1.00	30	1.9	1.5	2.0	2.1	1.7	1.2	1.3	1.1	0.9	1.0	1.7	1.7	18.1	
SNOWFALL	NORMAL (IN)	30	0.5	0.1	0.1	0.*	0.0	0.0	0.0	0.0	0.0	0.0	0.*	0.2	0.9
	MAXIMUM MONTHLY (IN)	37	6.3	3.6	5.3	1.1	0.0	0.0	0.0	T	0.0	0.0	0.2	4.8	6.3
	YEAR OF OCCURRENCE		1982	1968	1968	1987				2001			1976	1997	JAN 1982
	MAXIMUM IN 24 HOURS (IN)	37	6.0	3.6	5.3	1.1	0.0	0.0	0.0	T	0.0	0.0	0.2	4.8	6.0
	YEAR OF OCCURRENCE		1982	1968	1968	1987				2001			1976	1997	JAN 1982
	MAXIMUM SNOW DEPTH (IN)	36	6	1	2	1	0	0	0	0	0	0	T	5	6
	YEAR OF OCCURRENCE		1982	1985	1968	1987							1976	1997	JAN 1982
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	0.1	0.2	

PRECIPITATION (inches) 2004 JACKSON, MS (JAN)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1975	4.57	6.18	4.86	5.07	6.53	7.44	9.81	6.21	2.68	8.25	4.34	4.29	70.23
1976	3.64	1.43	15.13	2.08	8.01	2.80	4.96	5.26	3.78	3.52	3.34	3.44	57.39
1977	6.18	2.26	6.41	7.98	0.74	2.17	6.22	1.45	3.93	2.79	9.98	3.47	53.58
1978	5.32	2.36	3.37	3.54	10.48	1.03	3.65	1.80	2.90	1.21	3.30	8.37	47.33
1979	14.10	8.35	4.67	14.38	5.52	4.38	13.25	7.44	5.93	1.76	8.79	4.18	92.75
1980	7.53	3.19	13.57	14.33	6.60	1.74	2.91	1.45	3.25	3.47	4.11	0.91	63.06
1981	1.41	2.63	6.19	1.26	6.64	3.66	6.51	2.81	3.51	5.12	1.97	4.90	46.61
1982	4.48	5.22	5.13	6.59	0.77	6.27	9.29	4.97	1.05	6.73	7.43	17.70	75.63
1983	8.17	6.55	6.00	15.53	9.41	2.93	1.70	3.70	2.70	1.52	8.11	6.95	73.27
1984	2.64	4.64	4.84	3.96	5.61	3.18	3.07	4.56	0.93	7.68	6.48	2.17	49.76
1985	4.05	7.55	3.13	3.31	0.86	1.74	4.43	7.06	3.94	7.17	0.51	3.61	47.36
1986	0.75	1.53	3.34	1.75	10.00	3.72	4.78	2.03	2.63	5.10	9.40	4.98	50.01
1987	4.66	10.28	5.47	1.21	4.98	6.17	1.04	4.03	1.50	0.27	4.20	3.50	47.31
1988	2.25	3.89	7.46	5.37	0.29	0.10	2.73	3.02	2.28	6.14	5.66	4.80	43.99
1989	4.38	2.52	4.53	2.13	7.92	8.17	4.47	1.74	5.40	0.23	6.86	4.20	52.55
1990	12.17	8.30	3.55	3.66	6.34	1.46	2.84	0.61	4.83	1.24	3.33	5.71	54.04
1991	4.98	5.30	7.50	15.95	7.11	3.35	3.32	1.49	3.45	2.95	2.39	5.27	63.06
1992	4.27	3.83	2.11	1.48	1.22	4.75	4.48	8.33	3.80	1.55	8.27	4.32	48.41
1993	4.72	3.40	3.84	4.09	4.31	3.79	7.00	2.47	2.04	4.08	5.39	2.89	48.02
1994	8.31	6.14	5.63	4.32	2.25	7.37	5.09	4.29	1.81	5.12	2.57	3.31	56.21
1995	3.68	2.01	6.63	8.59	4.30	3.60	5.29	5.26	1.52	6.51	6.20	5.44	59.03
1996	8.85	2.01	8.58	6.01	0.72	3.85	6.99	6.70	1.49	1.59	4.84	3.33	54.96
1997	4.46	6.75	2.26	7.77	6.83	8.45	1.15	5.02	2.69	4.26	3.53	5.77	58.94
1998	9.52	5.51	6.17	3.68	1.47	3.26	6.44	2.02	2.41	0.51	4.32	6.24	51.55
1999	8.47	2.04	4.65	2.09	2.66	4.34	4.41	1.71	2.48	5.74	1.88	2.76	43.23
2000	1.88	1.29	4.41	7.82	2.67	5.82	1.86	0.26	3.50	1.46	7.75	3.87	42.59
2001	5.41	3.84	9.41	1.73	4.71	6.50	9.45	4.71	4.52	3.58	6.29	4.07	64.22
2002	5.60	3.05	7.29	2.73	3.90	3.73	9.47	5.44	9.57	7.22	4.18	6.30	68.48
2003	1.26	9.16	4.07	11.89	4.57	6.46	2.30	4.47	2.61	3.13	5.49	3.33	58.74
2004	4.23	6.50	1.23	2.89	9.25	5.96	5.43	7.70	1.41	4.81	8.14	5.23	62.78
POR= 96 YRS	5.04	4.75	5.55	5.43	4.59	3.96	4.63	3.71	2.92	2.72	4.21	5.38	52.89

WBAN : 03940

AVERAGE TEMPERATURE (°F) 2004 JACKSON, MS (JAN)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1975	51.8	52.9	56.8	63.5	74.1	78.3	81.2	80.6	72.3	66.2	56.6	47.4	65.1
1976	44.3	56.7	60.0	65.4	67.9	76.7	80.8	80.2	74.8	59.9	47.2	45.0	63.2
1977	35.3	49.3	59.7	66.3	75.5	81.7	82.7	82.0	78.4	62.0	57.1	47.5	64.8
1978	36.5	39.6	52.5	65.4	71.9	80.0	83.4	82.0	78.4	63.6	60.3	48.8	63.5
1979	38.3	46.0	57.4	64.8	70.3	76.7	80.2	79.7	73.8	64.1	50.9	46.2	62.4
1980	47.4	45.5	54.3	61.6	72.8	80.7	85.8	84.7	82.4	61.4	53.2	46.2	64.7
1981	41.8	48.7	55.1	71.0	69.9	81.8	83.6	82.6	73.2	65.4	58.6	46.6	64.9
1982	47.2	48.8	62.1	63.8	74.7	79.5	82.4	81.8	74.1	65.1	56.4	52.9	65.7
1983	43.7	47.4	53.9	60.1	70.7	76.6	82.9	82.7	74.1	65.8	55.1	41.8	62.9
1984	39.9	49.7	56.5	63.9	71.0	78.9	80.6	79.9	74.6	71.2	53.6	58.3	64.8
1985	38.0	44.8	61.3	65.2	72.2	78.8	80.5	80.3	74.0	68.0	62.5	42.7	64.0
1986	45.3	52.6	57.0	64.1	72.9	80.4	83.2	80.5	79.8	66.1	60.1	46.6	65.7
1987	44.4	51.3	55.5	62.2	75.9	79.0	82.0	82.9	75.2	59.9	56.6	52.1	64.8
1988	41.7	47.5	55.8	64.6	70.8	79.8	82.5	82.6	77.9	61.6	59.3	49.3	64.5
1989	52.5	48.2	58.8	63.2	72.0	78.4	80.6	80.8	74.1	63.9	57.1	40.4	64.2
1990	51.0	56.2	60.0	63.7	71.8	81.3	81.5	82.3	78.4	63.7	58.0	51.8	66.6
1991	46.6	51.7	59.3	68.0	75.6	79.9	82.9	81.4	76.0	67.2	52.4	52.0	66.1
1992	45.6	53.7	57.6	64.1	71.1	77.7	82.0	77.8	75.6	65.0	52.7	50.1	64.4
1993	49.9	49.2	54.4	61.0	71.0	80.9	82.5	82.9	75.9	62.3	52.1	45.8	64.0
1994	41.9	49.4	55.8	66.2	70.6	79.4	78.9	79.0	74.0	66.2	58.5	49.7	64.1
1995	46.9	49.5	58.5	64.7	73.5	76.0	82.4	83.5	75.2	63.8	52.1	47.6	64.5
1996	45.2	49.8	51.9	61.5	75.7	78.6	81.3	78.9	73.6	65.2	55.3	50.9	64.0
1997	46.0	51.5	61.5	59.6	69.8	77.1	82.3	79.5	76.7	65.1	50.7	44.9	63.7
1998	49.2	50.0	55.7	62.6	74.4	82.2	83.5	82.7	80.6	68.4	58.7	51.4	66.6
1999	51.9	53.9	54.4	69.3	71.5	79.5	82.0	84.0	75.2	65.0	55.8	48.4	65.9
2000	48.8	54.7	60.4	61.8	75.3	78.7	83.5	85.0	76.5	65.7	52.1	38.5	65.1
2001	41.6	53.5	52.1	67.8	72.3	77.2	81.6	80.5	74.0	62.1	59.8	52.0	64.5
2002	49.1	46.4	57.4	67.9	72.6	78.6	81.6	80.9	78.8	67.8	52.4	47.4	65.1
2003	41.1	47.8	56.7	64.9	74.2	77.7	80.7	81.6	74.2	65.3	58.9	45.5	64.1
2004	47.2	46.5	60.5	63.0	72.8	77.9	80.5	77.6	76.0	72.1	58.9	46.6	65.0
POR= 96 YRS	47.2	50.6	57.2	65.1	72.5	79.5	81.9	81.4	76.7	66.1	55.7	49.0	65.2

HEATING DEGREE DAYS (base 65°F) 2004 JACKSON, MS (JAN)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1975-76	0	0	26	59	304	543	635	252	201	59	18	0	2097
1976-77	0	0	0	197	528	614	913	435	196	43	1	0	2927
1977-78	0	0	0	136	246	538	881	706	377	73	14	0	2971
1978-79	0	0	0	98	164	519	821	531	262	69	20	0	2484
1979-80	0	0	0	98	421	580	540	570	337	124	3	0	2673
1980-81	0	0	0	158	363	575	711	454	312	20	18	0	2611
1981-82	0	0	16	104	217	568	569	451	199	123	4	0	2251
1982-83	0	0	19	120	286	421	653	487	347	176	12	0	2521
1983-84	0	0	21	83	315	716	770	440	289	113	29	0	2776
1984-85	0	0	12	27	350	249	832	562	158	92	2	0	2284
1985-86	0	0	14	54	148	685	606	360	261	90	8	0	2226
1986-87	0	0	0	79	183	566	632	378	297	150	0	0	2285
1987-88	0	0	0	161	271	408	716	502	292	74	4	0	2428
1988-89	0	0	0	134	208	484	392	495	239	135	20	0	2107
1989-90	0	0	11	109	265	754	429	261	209	125	9	0	2172
1990-91	0	0	5	145	227	427	566	368	229	35	2	0	2004
1991-92	0	0	4	67	404	403	593	323	233	118	18	0	2163
1992-93	0	0	1	45	364	452	461	437	327	163	5	0	2255
1993-94	0	0	10	161	401	588	709	437	286	88	13	0	2693
1994-95	0	0	7	67	211	470	558	430	229	80	14	0	2066
1995-96	0	0	4	106	389	533	603	460	410	161	4	0	2670
1996-97	0	0	11	80	298	435	592	381	143	170	16	0	2126
1997-98	0	0	0	129	420	617	481	414	336	124	0	1	2522
1998-99	0	0	0	46	197	442	412	320	324	53	3	0	1797
1999-00	0	0	8	87	268	509	496	308	165	119	0	0	1960
2000-01	0	0	7	73	404	813	717	330	392	65	1	0	2802
2001-02	0	0	16	149	168	408	510	517	293	57	15	0	2133
2002-03	0	0	0	48	383	537	734	475	251	76	2	0	2506
2003-04	0	0	8	61	219	600	558	529	168	119	20	0	2282
2004-	0	0	0	18	203	570							

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COOLING DEGREE DAYS (base 65°F) 2004 JACKSON, MS (JAN)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1975	26	17	46	96	290	407	509	487	255	101	59	7	2300
1976	0	17	52	76	116	357	497	481	300	47	0	0	1943
1977	0	3	39	89	331	508	555	534	409	47	16	4	2535
1978	2	0	0	92	235	456	576	536	409	60	31	24	2421
1979	0	2	35	69	190	357	482	461	269	76	4	2	1947
1980	0	11	11	28	253	476	652	619	527	52	14	1	2644
1981	0	3	12	207	174	514	582	555	267	127	30	2	2473
1982	25	3	116	93	310	443	544	530	297	130	35	51	2577
1983	0	0	13	35	194	354	564	555	300	115	24	6	2160
1984	0	5	35	87	221	422	489	470	310	227	19	49	2334
1985	0	3	54	105	233	424	486	480	290	153	79	0	2307
1986	0	21	18	70	259	469	572	487	446	122	44	2	2510
1987	0	0	9	72	344	429	533	560	311	14	22	15	2309
1988	0	1	14	67	193	452	552	552	395	34	45	3	2308
1989	8	30	54	87	245	406	489	498	293	84	36	0	2230
1990	3	25	60	92	226	494	515	544	412	113	24	24	2532
1991	0	3	59	129	337	456	562	515	341	142	37	7	2588
1992	0	1	10	97	213	383	532	403	324	51	2	0	2016
1993	0	1	6	48	197	485	547	562	340	82	19	0	2287
1994	0	6	9	132	196	437	437	439	283	110	24	4	2077
1995	5	2	38	79	282	339	545	581	318	76	9	4	2278
1996	0	28	12	64	343	418	512	439	275	92	13	5	2201
1997	13	9	40	15	175	368	540	459	357	139	0	0	2115
1998	2	0	55	60	298	522	582	554	474	156	12	29	2744
1999	12	14	0	188	213	441	533	596	319	96	1	1	2414
2000	2	17	28	29	328	417	581	628	357	102	23	0	2512
2001	0	16	0	156	238	375	522	487	290	67	17	10	2178
2002	24	0	65	151	256	415	520	500	420	142	11	0	2504
2003	0	1	3	79	290	388	492	524	289	80	41	0	2187
2004	15	0	31	65	271	395	488	394	338	247	27	6	2277

SNOWFALL (inches) 2004 JACKSON, MS (JAN)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1975-76	0.0	0.0	0.0	0.0	T	T	T	0.0	0.0	0.0	0.0	0.0	T
1976-77	0.0	0.0	0.0	0.0	0.2	0.0	5.8	0.0	0.0	0.0	0.0	0.0	6.0
1977-78	0.0	0.0	0.0	0.0	0.0	0.0	1.1	T	0.1	0.0	0.0	0.0	1.2
1978-79	0.0	0.0	0.0	0.0	0.0	T	T	T	0.0	0.0	0.0	0.0	T
1979-80	0.0	0.0	0.0	0.0	0.0	0.0	T	T	T	0.0	0.0	0.0	T
1980-81	0.0	0.0	0.0	0.0	0.0	T	T	T	0.0	0.0	0.0	0.0	T
1981-82	0.0	0.0	0.0	0.0	0.0	T	6.3	T	T	0.0	0.0	0.0	6.3
1982-83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	T
1983-84	0.0	0.0	0.0	0.0	0.0	T	T	T	0.0	0.0	0.0	0.0	T
1984-85	0.0	0.0	0.0	0.0	0.0	T	0.3	1.4	0.0	0.0	0.0	0.0	1.7
1985-86	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	0.0	T
1986-87	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	T	1.1	0.0	0.0	1.1
1987-88	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	0.0	0.0	T
1988-89	0.0	0.0	0.0	0.0	0.0	T	0.0	T	T	T	0.0	0.0	T
1989-90	0.0	0.0	0.0	0.0	T	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1990-91	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T	0.0	0.0	T
1991-92	0.0	0.0	0.0	0.0	T	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2
1992-93	0.0	0.0	0.0	0.0	T	0.0	T	0.0	1.6	0.0	0.0	0.0	1.6
1993-94	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	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	T	T	T	0.0	0.0	0.0	T
1996-97	0.0	0.0	0.0	0.0	0.0	0.7	T	T	0.0	0.0	0.0	0.0	0.7
1997-98	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	4.8
1998-99	0.0	0.0	0.0	0.0	0.0	T	T	0.0	T	0.0	0.0	0.0	T
1999-00	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	T	0.0	0.0	0.4
2000-01	0.0	0.0	0.0	0.0	T	1.0	T	0.0	0.0	0.0	0.0	0.0	1.0
2001-02	0.0	T	0.0	0.0	0.0	0.0							
2002-03													
2003-04													
2004-													
POR= 38 YRS	0.0	0.0	0.0	0.0	T	0.1	0.5	0.2	0.2	T	0.0	0.0	1.0

WBAN : 03940

REFERENCE NOTES:

<p>PAGE 1: THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3: H/C INDICATES HEATING AND COOLING DEGREE DAYS. RH INDICATES RELATIVE HUMIDITY W/O INDICATES WEATHER AND OBSTRUCTIONS S INDICATES SUNSHINE. PR INDICATES PRESSURE. CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL: T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE. + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES. BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA. NORMALS ARE 30-YEAR AVERAGES (1971 - 2000). ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM. PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH. POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING. WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED. 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05. CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET. THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.</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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2004
JACKSON,
MISSISSIPPI (JAN)

Jackson is located on the west bank of the Pearl River, about 45 miles east of the Mississippi River and 150 miles north of the Gulf of Mexico. The nearby terrain is gently rolling with no topographic features that appreciably influence the weather. The National Weather Service Office is nearly 7 miles east-northeast of the Jackson Post Office and over 5 miles southwest of the Ross Barnett Reservoir. Alluvial plains up to 3 miles wide extend along the river near Jackson, where some levees have been built on both sides of the river.

The climate is significantly humid during most of the year, with relatively short mild winters and long warm summers. The Gulf of Mexico has a moderating effect on the climate. Cold spells are fairly frequent in winter, but are usually of short duration. Sub-zero temperatures rarely occur. Temperatures occasionally exceed 80 degrees in mid-winter. In summer, temperatures reach 90 degrees or higher on about two-thirds of the days, 100 degree readings are infrequent. Extended periods of very hot weather are rare. On unusual occasions, temperatures at night may drop into the 50s, even in July or August.

Snowfall averages less than two inches per season, with nearly two-thirds of the seasons having only a trace of snow or none at all. Ice storms

occasionally cause major damage to trees and power lines during the winter or early spring season. Rainfall is abundant and fairly well-distributed throughout the year. The area does not have a true dry season. However, the six-month period, June through November, is relatively dry in comparison with the December through May period when 60 percent of the annual precipitation can be expected.

Excessive rainfall may occur in any season. In spite of the normally abundant rainfall, fairly serious droughts occasionally occur during the summer or fall season. Tropical disturbances, including hurricanes and their remnants, are infrequent. However, those that pass near or visit the Mississippi Coast in the summer or early fall may bring several days of heavy rain to the Jackson area.

Thunderstorms can be expected on an average of 65 days a year, usually occurring in each month. They are most frequent in summer when they occur on about one-third of the days. At other times of the year, thunderstorms are usually associated with passing weather systems and are likely to be attended by higher winds than in summer. Severe thunderstorms normally affect portions of the metropolitan area a few times each year.

STATION LOCATION

JACKSON, MISSISSIPPI

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE										AUTOMATED OBSERVING EQUIPMENT *	* TYPE M = AMOS T = AUTOB S = ASOS W = AWOS REMARKS
						GROUND											
						SEA LEVEL	GROUND	WIND	EXTREME	PSYCHROMETER	SUNSHINE	TIPPING GAUGE	WEIGHING RAIN GAGE	8 INCH RAIN GAGE	HYGROMETER		
*NOTE: <u>AIRPORT</u>																	
Administration Building Jackson Municipal AP	6/1939	6/05/55	4 mi. NW	32°20'	90°13'	315	c46	d21	d21		c20	e21	e20				c. Approximate, 60 feet to 10/12/47/ d. 5 feet to 10/12/47. e. 4 feet to 10/12/47.
Operations Building Jackson Municipal AP Hawkins Field	6/06/55	7/08/63	200' WSW	32°20'	90°13'	305	#30	6	5		4	4	4				#. Moved 145' SE atop creosoted pole 2/17/59.
Terminal Building Allen C. Thompson Field Jackson Municipal AP	7/08/63	11/21/78	8.5 mi. E	32°19'	90°05'	g310	20	i47	i47		j4 m44	h5 k4	h4 k3	f5			f. Commissioned 2400 feet N of office 2/11/64. g. 330 feet to 2/11/64. h. 44 feet to 2/5/64. i. Decommissioned 3/10/64.
Wea. Ser. Building Allen C. Thompson Field	11/21/78	07/01/93	3475' NNW	32°19'	90°05'	291	33			6	n16 q6	n16 16	n16 q6	5 p5			j. Added 1/1/65 k. Elevation effective 9/13/67. m. Effective 8/11/73. n. Roof exposure. p. Type change 6/6/85. q. Moved to ground 02/01/89.
Allen C. Thompson Field	07/01/93	Present	NA	32°19'	90°05'	r293								S			r. ASOS commissioned 07/01/93 r. Ground elevation.

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* NOTES: For earlier station history see previous edition.