

2004

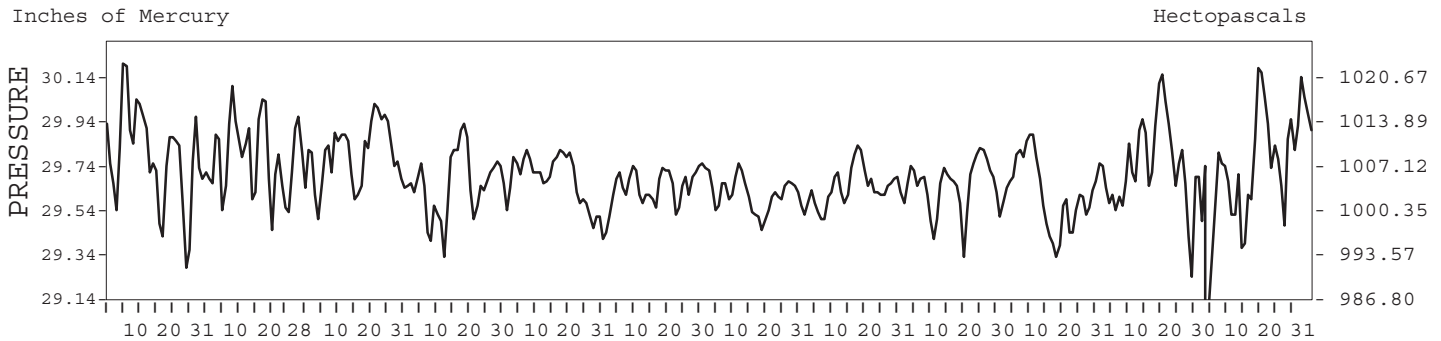
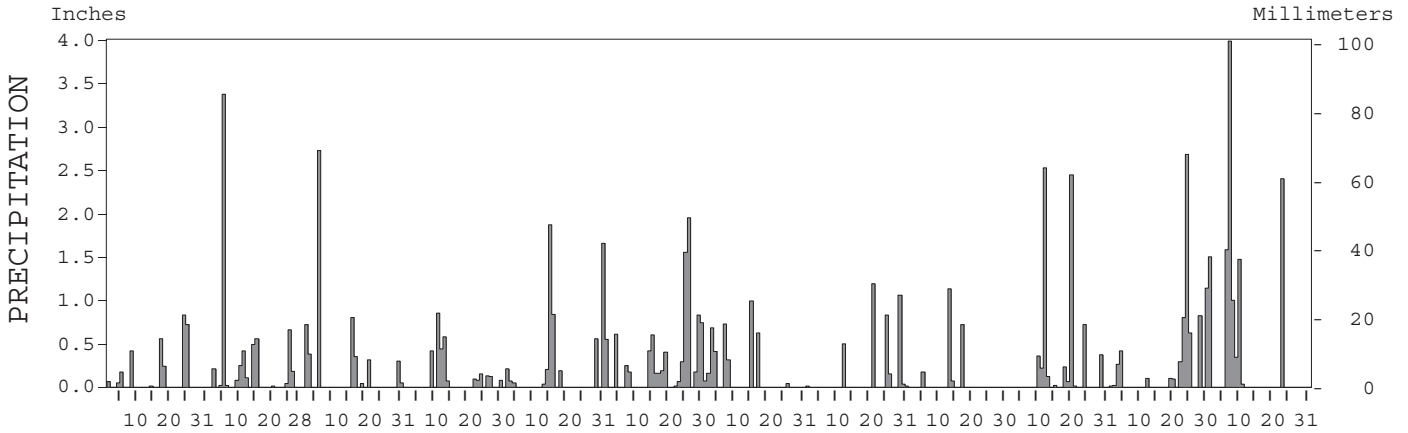
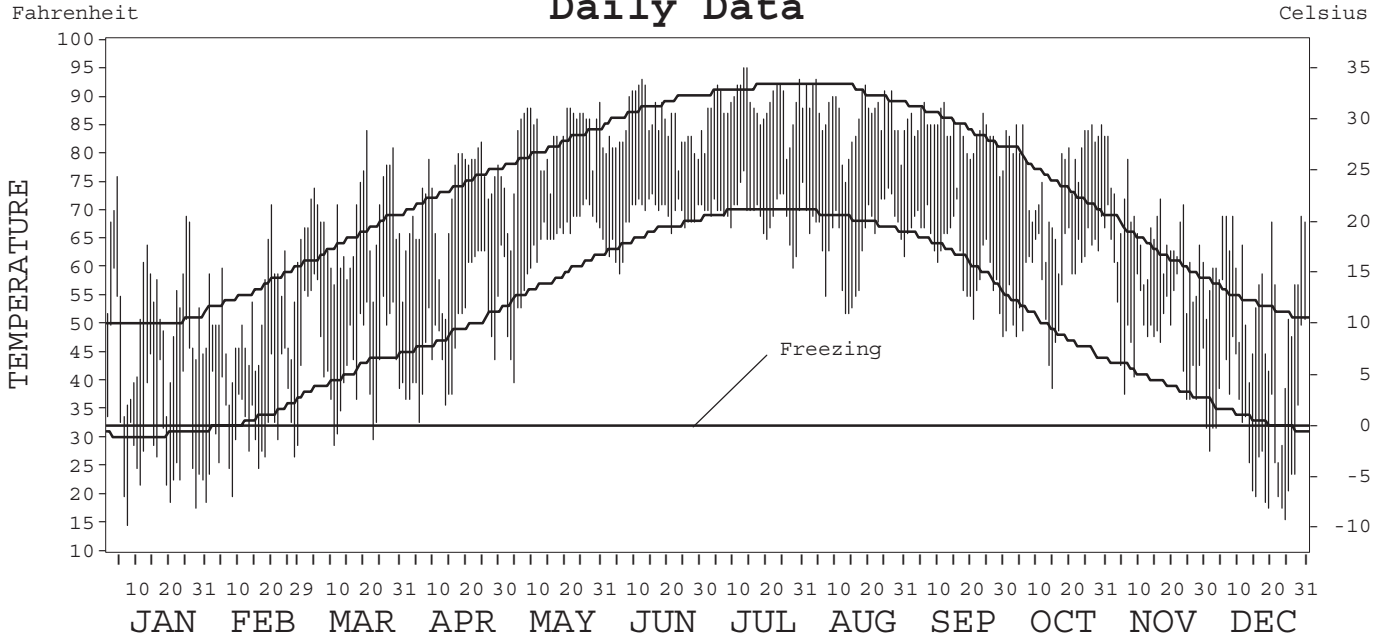
LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0742-8782

TUPELO, MISSISSIPPI (TUP)

Daily Data



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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 2004

TUPELO, MS (TUP)

LATITUDE: 34° 15' 39" N LONGITUDE: 88° 46' 16" W ELEVATION (FT): GRND: 347 BARO: 350 TIME ZONE: CENTRAL (UTC + 6) WBAN: 93862

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	52.2	52.1	67.6	72.0	82.1	84.9	88.7	86.5	83.6	76.9	65.3	54.4	72.2	
	HIGHEST DAILY MAXIMUM	76	71	84	82	89	93	95	93	89	85	83	69	95	
	DATE OF OCCURRENCE	04	20	20	24	30	12	14+	04	12+	30+	01	30+	JUL 14+	
	MEAN DAILY MINIMUM	31.7	33.1	45.0	48.8	62.9	68.3	69.5	64.8	62.3	58.0	49.8	31.7	52.2	
	LOWEST DAILY MINIMUM	15	20	29	33	44	59	60	52	48	39	37	16	15	
	DATE OF OCCURRENCE	07	08	10	05	03	05	28	14+	30	15	28+	25	JAN 07	
	AVERAGE DRY BULB	42.0	42.6	56.3	60.4	72.5	76.6	79.1	75.7	73.0	67.5	57.6	43.1	62.2	
	MEAN WET BULB	38.2	39.4	50.4	54.5	67.0	71.8		68.7						
	MEAN DEW POINT	32.4	34.8	44.3	49.0	64.1	69.7		65.2						
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	0	6	13	9	0	0	0	0	0	28
MAXIMUM ≤ 32°	0	0	0	0	0	0	0	0	0	0	0	2	2	2	
MINIMUM ≤ 32°	19	14	3	0	0	0	0	0	0	0	0	18	54	54	
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
H/C	HEATING DEGREE DAYS	709	643	270	180	27	0	0	1	3	50	231	672	2786	
	COOLING DEGREE DAYS	1	0	10	47	267	354	444	339	247	133	19	0	1861	
RH	MEAN (PERCENT)	72	76	68	70	78	83	81	75	73	80	74	71	75	
	HOUR 00 LST	78	84	80	82	91	94	94	89	85	90	80	80	86	
	HOUR 06 LST	83	88	84	90	94	95	95	93	90	91	82	82	89	
	HOUR 12 LST	63	67	55	53	62	70	63	56	56	66	64	56	61	
	HOUR 18 LST	65	68	56	56	64	75	72	62	65	76	74	65	66	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	0	1	2	0	0	3	2	2	0	6	2	1	19	
	THUNDERSTORMS	0	1	5	5	8	12	12	8	3	5	3	4	66	
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.)	29.78	29.78	29.79	29.65	29.66	29.65	29.61	29.65	29.64	29.62				
	MEAN SEA-LEVEL PRESS. (IN.)	30.17	30.17	30.17	30.04				30.02						
WINDS	RESULTANT SPEED (MPH)	0.7	2.4	1.0	0.7	3.4	0.9	0.6	1.0						
	RES. DIR. (TENS OF DEGS.)	30	04	24	19	19	13	02	01						
	MEAN SPEED (MPH)	7.2	7.5	6.8	6.5	5.8	4.1	2.3	5.6	6.9	5.7	6.3	6.8	6.0	
	PREVAIL. DIR. (TENS OF DEGS.)	36	02	17	18	18	18	01	01	01	18	36	18	01	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	26	30	37	24	30	30	40	30	32	23	25	23	40	
	DIR. (TENS OF DEGS.)	18	14	25	19	27	01	04	27	02	18	25	36	04	
	DATE OF OCCURRENCE	25	05	05	20	30	03	14	20	16	18	24	22+	JUL 14	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	33	36	46	29	45	37	49	39	39	29	35	30	49	
DIR. (TENS OF DEGS.)	17	14	25	20	26	01	03	26	02	24	26	33	03		
DATE OF OCCURRENCE	25	05	05	22+	30	03	14	20	16	19+	23	19	JUL 14		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	3.06	6.43	5.68	3.01	6.23	8.63	3.95	3.77	2.09	7.10	8.84	10.81	69.60	
	GREATEST 24-HOUR (IN.)	1.55	3.38	2.73	0.85	2.70	3.50	1.02	1.19	1.13	2.58	3.15	4.98	4.98	
	DATE OF OCCURRENCE	24-25	05	05	10	14-15	24-25	06-07	20	12	10-11	23-24	06-07	DEC 06-07	
	NUMBER OF DAYS WITH:														
PRECIPITATION ≥ 0.01	9	14	9	11	11	18	9	7	4	12	13	7	124		
PRECIPITATION ≥ 0.10	6	9	7	7	8	15	7	5	3	8	11	6	92		
PRECIPITATION ≥ 1.00	0	1	1	0	2	2	0	2	1	2	3	5	19		
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

TUPELO, MS (TUP)

LATITUDE: 34° 15' 39" N LONGITUDE: 88° 46' 16" W ELEVATION (FT): GRND: 347 BARO: 350 TIME ZONE: CENTRAL (UTC + 6) WBAN: 93862

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	50.3	56.0	64.8	73.5	81.0	88.0	91.4	90.9	84.9	74.9	63.0	53.6	72.7
	MEAN DAILY MAXIMUM	39	50.9	56.3	65.4	74.8	81.7	88.5	91.5	90.8	85.3	75.5	64.0	54.5	73.3
	HIGHEST DAILY MAXIMUM	20	77	84	84	93	94	101	105	106	103	92	86	79	106
	YEAR OF OCCURRENCE		2002	1996	2004	1987	1996	1988	1986	2000	1990	2000	2000	1998	AUG 2000
	MEAN OF EXTREME MAXS.	21	69.0	74.4	81.0	85.8	90.4	95.3	97.6	97.2	94.3	86.7	79.7	70.5	85.2
	NORMAL DAILY MINIMUM	30	30.5	33.5	41.4	48.2	57.7	65.7	69.8	68.2	61.7	48.8	40.0	33.2	49.9
	MEAN DAILY MINIMUM	39	30.3	33.2	40.9	49.4	57.6	65.7	69.7	68.1	61.7	49.0	40.5	33.3	49.9
	LOWEST DAILY MINIMUM	20	-6	4	16	29	40	49	58	52	40	29	19	-3	-6
	YEAR OF OCCURRENCE		1985	1996	1996	1992	1994	1984	1990	2004	2001	1993	1997	1989	JAN 1985
	MEAN OF EXTREME MINS.	21	14.4	18.4	26.0	33.8	46.0	56.0	63.1	60.3	46.9	35.6	26.3	17.9	37.1
	NORMAL DRY BULB	30	40.4	44.8	53.1	60.9	69.4	76.9	80.6	79.6	73.3	61.9	51.5	43.4	61.3
	MEAN DRY BULB	21	41.4	46.3	53.6	61.9	70.4	77.6	81.1	79.9	73.9	63.1	53.1	43.8	62.2
	MEAN WET BULB	17	37.1	42.3	47.7	55.1	63.9	70.6	73.6	72.0	66.7	56.9	48.2	40.1	56.2
	MEAN DEW POINT	17	31.6	36.8	41.5	49.2	59.6	67.1	70.8	68.6	62.7	52.2	43.2	35.3	51.6
	NORMAL NO. DAYS WITH:														
MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.3	2.8	13.6	21.8	20.7	8.9	0.6	0.0	0.0	68.7	
MAXIMUM ≤ 32°	30	1.9	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	3.7	
MINIMUM ≤ 32°	30	18.0	12.9	6.2	1.9	*	0.0	0.0	0.0	0.0	1.7	8.5	14.9	64.1	
MINIMUM ≤ 0°	30	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	
H/C	NORMAL HEATING DEG. DAYS	30	750	559	368	160	29	1	0	0	14	150	400	655	3086
	NORMAL COOLING DEG. DAYS	30	0	1	14	50	171	364	488	453	274	60	8	1	1884
RH	NORMAL (PERCENT)	30	73	70	66	66	72	73	74	73	72	72	72	74	71
	HOUR 00 LST	30	79	77	74	77	84	86	87	87	86	84	80	79	82
	HOUR 06 LST	30	82	82	81	85	88	89	91	92	91	89	86	83	87
	HOUR 12 LST	30	64	60	54	52	56	57	58	55	55	53	59	64	57
	HOUR 18 LST	30	67	61	55	53	59	61	61	60	62	62	66	68	61
S	PERCENT POSSIBLE SUNSHINE	11	54	51	57	74	72	74	75	73	71	63	52	47	64
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	20	2.5	1.6	1.3	0.9	1.0	1.1	0.9	1.8	1.0	3.0	2.6	1.7	19.4
	THUNDERSTORMS	20	1.9	2.7	4.8	5.7	8.1	9.7	10.3	7.5	4.2	2.6	2.7	1.9	62.1
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	1	7.2	5.6		4.0	3.2	4.8	3.2	2.4	3.2	5.6	5.6	6.4	
	MIDNIGHT-MIDNIGHT (OKTAS)	1	7.2	5.6		3.2	3.2	4.0	3.2	2.4	3.2	5.2	6.4	6.4	
	MEAN NO. DAYS WITH:														
CLEAR	2	9.5	9.0	9.5	14.0	17.5	7.0	8.0	10.0	4.0	7.0	5.0	3.0	103.5	
PARTLY CLOUDY	1	3.0	4.0		4.0	4.0	11.0	7.0	7.0	1.0	2.0	1.0	3.0		
CLOUDY	2	14.5	13.5	8.0	5.0	8.5	6.5	11.0	3.0	1.0	9.0	9.0	7.0	96.0	
PR	MEAN STATION PRESSURE (IN)	18	29.77	29.73	29.67	29.62	29.61	29.60	29.65	29.64	29.65	29.72	29.73	29.78	29.68
	MEAN SEA-LEVEL PRES. (IN)	14	30.17	30.13	30.06	30.01	29.99	29.97	30.03	30.01	30.02	30.11	30.11	30.18	30.07
WINDS	MEAN SPEED (MPH)	21	7.6	8.1	8.2	7.7	6.7	5.6	5.2	5.0	5.9	5.8	6.9	7.5	6.7
	PREVAIL. DIR (TENS OF DEGS)	22	18	18	18	18	18	18	19	01	01	01	36	18	18
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	11	39	35	37	31	41	41	48	30	32	38	32	33	48
	DIR. (TENS OF DEGS)		24	25	25	17	31	02	35	27	02	25	18	17	35
	YEAR OF OCCURRENCE		1996	1999	2004	2002	2000	1997	1998	2004	2004	1997	2003	2001	JUL 1998
	MAXIMUM 5-SECOND:														
SPEED (MPH)	11	53	48	48	40	60	52	63	39	43	53	44	41	63	
DIR. (TENS OF DEGS)		23	25	26	34	31	12	36	26	29	26	31	15	36	
YEAR OF OCCURRENCE		1996	1999	1997	2000	2000	1997	1998	2004	1996	1997	2003	2002	JUL 1998	
PRECIPITATION	NORMAL (IN)	30	5.14	4.68	6.30	4.94	5.80	4.82	3.65	2.67	3.35	3.38	5.01	6.12	55.86
	MAXIMUM MONTHLY (IN)	20	11.58	10.90	9.34	12.16	17.56	11.37	7.33	11.70	10.64	7.90	9.64	14.49	17.56
	YEAR OF OCCURRENCE		1999	1991	1994	1991	1991	1997	1996	2003	2002	1984	1986	1990	MAY 1991
	MINIMUM MONTHLY (IN)	20	0.30	2.33	2.13	0.46	1.34	0.17	0.48	0.39	0.05	0.36	1.50	1.57	0.05
	YEAR OF OCCURRENCE		1986	1988	1985	1986	1992	1988	1986	1999	1999	1989	1985	1984	SEP 1999
	MAXIMUM IN 24 HOURS (IN)	20	3.75	5.91	4.85	4.16	8.59	3.52	3.60	6.15	7.23	4.20	3.81	7.17	8.59
	YEAR OF OCCURRENCE		1999	1991	1997	2001	1991	1997	1993	2003	2002	2001	2001	1983	MAY 1991
	NORMAL NO. DAYS WITH:														
PRECIPITATION ≥ 0.01	30	10.8	9.4	11.0	9.2	10.4	9.7	9.6	7.2	7.5	6.9	9.2	10.7	111.6	
PRECIPITATION ≥ 1.00	30	1.6	1.4	2.0	1.8	1.8	1.4	0.8	0.7	0.9	1.1	1.6	2.0	17.1	
SNOWFALL	NORMAL (IN)	30	0.8	0.6	0.1	0.*	0.0	0.0	0.0	0.0	0.*	0.*	0.2	1.7	
	MAXIMUM MONTHLY (IN)	15	7.2	5.3	1.7	0.4	T	0.0	T	0.0	T	0.1	2.2	7.2	
	YEAR OF OCCURRENCE		1988	1985	1993	1987	1989		1990		1993	1991	1983	JAN 1988	
	MAXIMUM IN 24 HOURS (IN)	15	6.9	3.1	1.7	0.4	T	0.0	T	0.0	T	0.1	1.9	6.9	
	YEAR OF OCCURRENCE		1988	1985	1993	1987	1989	0	1990	0	1993	1991	1983	JAN 1988	
	MAXIMUM SNOW DEPTH (IN)	16	6	4	1	0	0	0	0	0	0	T	2	6	
	YEAR OF OCCURRENCE		1988	1985	1984							1991	1983	JAN 1988	
NORMAL NO. DAYS WITH:															
SNOWFALL ≥ 1.0	30	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	

PRECIPITATION (inches) 2004 TUPELO, MS (TUP)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1983							3.05	0.59	2.56	3.61	7.03	13.69	
1984	2.87	3.39	3.53	5.88	8.44	0.59	1.90	1.79	1.30	7.90	5.54	1.57	44.70
1985	3.75	5.18	2.13	4.94	5.35	3.02	2.82	6.22	2.86	7.35	1.50	1.68	46.80
1986	0.30	3.47	3.38	0.46	5.19	6.57	0.48	3.36	2.86	5.81	9.64	5.18	46.70
1987	2.68	6.37	2.40	1.20	5.49	3.96	1.50	2.08	2.13	1.03	6.26	4.78	39.88
1988	2.41	2.33	3.59	3.37	2.92	0.17	2.32	1.23	6.31	3.88	4.05	5.05	37.63
1989	6.98	9.88	3.68	2.31	3.79	11.08	6.27	2.78	5.48	0.36	4.07	2.89	59.57
1990	5.84	9.40	6.35	2.50	4.26	2.57	2.01	1.02	2.41	3.40	3.07	14.49	57.32
1991	3.12	10.90	6.25	12.16	17.56	6.22	0.76	3.16	3.06	1.58	5.36	10.92	81.05
1992	1.53	3.17	4.05	2.38	1.34	7.11	2.99	4.54	2.46	2.65	6.70	4.13	43.05
1993	2.94	3.24	4.05	4.63	5.78	2.67	3.80	6.05	5.45	2.45	2.88	4.80	48.74
1994	4.59	6.49	9.34	2.51	3.78	5.60	6.51	0.93	1.27	4.33	3.35	4.76	53.46
1995	3.90	4.08	8.97	7.14	3.60	6.79	2.63	4.74	0.61	3.18	5.02	6.39	57.05
1996	5.91	3.66	4.65	6.09	2.05	8.71	7.33	2.91	6.05	2.46	6.97	6.41	63.20
1997	6.50	4.31	7.43	3.82	8.42	11.37	4.60	4.84	1.73	4.94	2.12	3.71	63.79
1998	6.26	5.94	5.99	4.53	1.91	1.61	7.16	3.19	0.06	3.12	3.20	8.07	51.04
1999	11.58	2.87	8.03	7.03	3.25	6.94	2.40	0.39	0.05	1.67	1.93	3.63	49.77
2000	3.35	3.65	5.13	8.20	1.39	5.66	0.56	1.36	1.91	0.55	9.43	5.43	46.62
2001	5.76	7.65	3.82	8.35	5.70	2.97	2.86	6.16	2.47	7.74	6.24	6.55	66.27
2002	7.83	2.54	8.28	2.68	6.65	1.52	6.04	1.77	10.64	6.28	3.96	7.08	65.27
2003	1.57	7.66	2.84	6.28	9.85	6.61	4.40	11.70	5.27	3.70	5.25	3.15	68.28
2004	3.06	6.43	5.68	3.01	6.23	8.63	3.95	3.77	2.09	7.10	8.84	10.81	69.60
POR= 21 YRS	4.43	5.39	5.25	4.76	5.41	4.86	3.52	3.43	3.16	3.90	5.14	6.16	55.41

WBAN : 93862

AVERAGE TEMPERATURE (°F) 2004 TUPELO, MS (TUP)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1983							82.1	83.1	72.8	64.2	55.6	36.5	
1984	36.2	46.8	51.5	59.9	68.7	79.3	79.7	78.9	72.0	69.0	49.7	53.3	62.1
1985	32.1	40.4	57.0	63.8	70.6	78.1	80.3	78.4	71.7	66.1	59.1	37.7	61.3
1986	40.7	48.8	54.4	63.0	71.9	79.3	84.6	79.0	77.8	63.3	54.1	42.9	63.3
1987	40.9	47.4	55.6	61.1	75.0	78.5	81.4	82.8	74.4	57.6	54.3	48.0	63.1
1988	37.3	42.6	52.6	62.7	69.7	78.1	80.9	83.1	75.9	58.3	55.0	45.0	61.8
1989	48.0	43.3	55.2	61.2	68.8	76.4	79.6	79.5	71.7	62.2	53.3	34.8	61.2
1990	48.2	52.6	56.1	61.1	68.5	79.0	80.9	81.1	77.6	61.7	56.1	46.7	64.1
1991	42.3	47.9	55.1	64.8	73.8	79.1	83.3	80.6	75.4	64.5	49.2	47.7	63.6
1992	42.3	48.5	53.0	61.9	69.2	75.2	80.6	76.0	72.5	62.1	51.0	44.7	61.4
1993	44.9	43.8	50.9	58.5	68.9	77.4	83.6	80.6	71.4	60.2	49.8	43.3	61.1
1994	36.9	46.0	52.7	64.2	66.7	78.3	77.9	77.5	71.0	62.7	55.1	47.3	61.4
1995	42.3	44.2	55.4	62.3	70.7	75.0	80.3	82.7	72.0	61.9	46.6	42.9	61.4
1996	40.1	44.2	48.3	58.7	72.9	77.5	79.4	78.2	71.6	62.6	50.3	47.4	60.9
1997	41.4	48.7	57.7	57.1	65.6	74.3	80.6	77.9	73.3	60.7	47.7	41.7	60.6
1998	45.2	47.8	51.9	60.2	73.2	81.5	82.0	80.2	78.6	66.1	54.9	45.9	64.0
1999	47.1	50.4	50.1	66.6	70.4	78.2	83.0	82.7	74.5	63.5	56.1	45.6	64.0
2000	43.2	50.5	57.3	59.6	73.6	78.2	81.7	83.5	74.8	66.1	50.2	33.9	62.7
2001	37.7	47.8	48.5	64.9	69.6	76.0	81.4	79.2	71.6	59.4	56.2	47.9	61.7
2002	45.9	43.7	53.1	64.6	68.1	78.1	81.4	80.8	77.4	64.4	48.7	43.8	62.5
2003	36.8	43.4	53.7	63.4	70.4	73.8	78.8	80.1	71.7	63.3	56.1	41.9	61.1
2004	42.0	42.6	56.3	60.4	72.5	76.6	79.1	75.7	73.0	67.5	57.6	43.1	62.2
POR= 21 YRS	41.5	46.2	53.7	62.0	70.5	77.6	81.0	80.0	73.9	63.1	52.9	43.7	62.2

HEATING DEGREE DAYS (base 65°F) 2004 TUPELO, MS (TUP)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84	0	0	29	91	405	876	886	524	421	181	37	0	3450
1984-85	0	0	22	36	458	363	1016	685	272	119	7	0	2978
1985-86	0	0	19	63	216	838	749	451	328	115	14	0	2793
1986-87	0	0	0	115	324	676	740	487	289	165	0	0	2796
1987-88	0	0	0	229	323	521	852	642	388	106	6	0	3067
1988-89	0	0	0	216	300	612	518	607	320	193	55	0	2821
1989-90	0	0	27	135	359	931	512	350	292	176	43	0	2825
1990-91	0	0	14	177	276	557	699	473	331	59	9	0	2595
1991-92	0	0	18	106	477	531	699	472	366	159	33	0	2861
1992-93	0	0	12	102	418	624	617	588	432	209	22	3	3027
1993-94	0	0	21	190	464	665	864	529	375	114	50	0	3272
1994-95	0	0	17	114	298	541	695	576	305	120	28	0	2694
1995-96	0	0	18	142	545	679	760	607	514	215	13	0	3493
1996-97	0	0	10	121	439	541	728	451	238	239	61	0	2828
1997-98	0	0	0	203	513	714	610	477	429	171	6	2	3125
1998-99	0	0	0	71	299	597	551	406	453	74	3	0	2454
1999-00	0	0	12	118	261	596	669	419	247	171	3	0	2496
2000-01	0	0	12	93	460	956	841	478	508	90	5	0	3443
2001-02	0	0	35	203	257	524	594	588	383	106	57	0	2747
2002-03	0	0	0	113	488	651	865	596	345	97	1	0	3156
2003-04	0	0	21	100	282	709	709	643	270	180	27	0	2941
2004-	0	1	3	50	231	672							

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COOLING DEGREE DAYS (base 65°F) 2004 TUPELO, MS (TUP)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1983							537	566	276	73	8	0	
1984	0	0	8	38	159	437	465	438	239	165	4	8	1961
1985	0	1	32	89	188	400	480	423	228	105	44	0	1990
1986	0	1	6	61	237	433	616	443	389	71	5	0	2262
1987	0	0	5	55	318	409	513	559	288	6	10	0	2163
1988	0	0	9	43	159	399	500	568	334	14	4	0	2030
1989	0	5	24	88	182	347	461	458	236	54	12	0	1867
1990	0	6	25	65	158	427	499	506	397	80	14	0	2177
1991	0	0	29	61	287	433	575	491	334	98	7	0	2315
1992	0	0	1	72	170	316	494	346	242	18	5	0	1664
1993	0	0	2	23	151	381	583	490	219	52	12	0	1913
1994	0	1	1	94	108	406	404	393	205	52	7	0	1671
1995	1	0	16	48	217	309	482	554	238	57	0	0	1922
1996	0	10	5	33	262	382	455	416	217	57	5	0	1842
1997	3	0	17	9	84	289	492	407	256	77	0	0	1634
1998	0	0	28	35	265	504	536	474	414	112	2	8	2378
1999	2	3	0	129	177	404	565	556	306	78	0	1	2221
2000	0	4	14	13	277	405	526	579	309	138	21	0	2286
2001	0	2	0	92	155	336	516	446	242	36	1	0	1826
2002	7	0	20	98	159	400	517	497	378	99	7	0	2182
2003	0	0	2	56	175	272	436	476	231	55	20	0	1723
2004	1	0	10	47	267	354	444	339	247	133	19	0	1861

SNOWFALL (inches) 2004 TUPELO, MS (TUP)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84	0.0	0.0	0.0	0.0	0.0	2.2	1.8	0.8	1.7	0.0	0.0	0.0	6.5
1984-85	0.0	0.0	0.0	0.0	0.0	0.0	3.7	5.3	0.0	0.0	0.0	0.0	9.0
1985-86	0.0	0.0	0.0	0.0	0.0	1.2	T	0.9	0.0	0.0	0.0	0.0	2.1
1986-87	0.0	0.0	0.0	0.0	0.0	0.1	0.1	T	T	0.4	0.0	0.0	0.6
1987-88	0.0	0.0	0.0	0.0	0.0	0.0	7.2	1.1	0.0	0.0	0.0	0.0	8.3
1988-89	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.3	T	0.0	T	0.0	0.9
1989-90	0.0	0.0	0.0	0.0	T	0.3	0.0	0.0	T	0.0	0.0	0.0	0.3
1990-91	T	0.0	0.0	0.0	0.0	0.1	0.0	T	T	0.0	0.0	0.0	0.1
1991-92	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.3
1992-93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	1.7	0.0	0.0	0.0	1.7
1993-94	0.0	0.0	0.0	T	0.0	T	0.1	0.0	0.0	0.0	0.0	0.0	0.1
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.6	0.0	0.0	0.0	0.0	4.3
1995-96	0.0	0.0	0.0	0.0	T	T	T	1.2	T	T	T	0.0	1.2
1996-97	0.0	0.0	0.0	0.0	0.0	0.5	0.6	T	0.0	0.0	0.0	0.0	1.1
1997-98	0.0	0.0	0.0	0.0	0.0	0.2	2.9	0.0	T	0.0	0.0	0.0	3.1
1998-99	0.0	0.0	0.0	0.0	0.0	0.3	T	0.1	T	0.0	0.0	0.0	0.4
1999-00	0.0	0.0	0.0	0.0	0.0	0.0							
2000-01													
2001-02													
2002-03													
2003-04													
2004-													
POR= 17 YRS	T	0.0	0.0	T	T	0.3	0.3	0.8	T	T	T	0.0	1.4

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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 (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
TUPELO,
MISSISSIPPI (TUP)

Tupelo is located in the Black Prairie physiographic region of Mississippi. The surface is flat to gently undulating, underlain by soft limestone which has weathered into dark, fertile soils. The Black Prairie is largely devoid of trees, although precipitation in the region is more than sufficient for forest growth. The Black Prairie is bordered by the Fall Line Hills on the east and the Pontotoc Ridge on the west, thus being situated as a low, flat region from 20 to 25 miles wide trending northwest-southeast in the northeastern corner of Mississippi.

Agricultural interests are varied, but the region is a major producer of soybeans and livestock. Tupelo is the dominant urban center of the region, and population is projected to continue to increase in the future. Manufacturing and industry are growing rapidly in the area, enhanced by recent completion of the Tenn-Tom Waterway. Water supply for the growing municipal and industrial demand has been identified as a potential problem in the region as ground water is being used faster than it can be replenished by natural processes.

Average annual precipitation of over 50 inches is well distributed throughout the year. On average,

about half the annual total falls between April and September, with March being the wettest month and October the driest month. There is a 90 percent probability that the freeze-free period will be longer than six months, with a 50 percent chance for a freeze before the end of October and after the first of April. Maximum temperatures over 90 degrees are expected on 78 days between May and September, with freezes expected on 66 days between October and March.

Record temperatures of over 105 degrees and below -10 degrees have been observed at Tupelo. Snow is not infrequent during the winter, although amounts average less than two and one-half inches each year. However, accumulations greater than 10 inches have been recorded. Frontal passages are common features of the climate from fall through spring, and there are seasonal occurrences of thunderstorms. Tornadoes, though quite rare, have occurred in the region, particularly during late spring. Precipitation amounts of one-half inch or more are expected on 37 days each year, with one-tenth inch or more expected on 73 days. Daily totals of precipitation have exceeded six inches on several occasions.

STATION LOCATION

TUPELO, MISSISSIPPI

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 TEMPERATURE	GROUND								HYGROMETER		8 INCH RAIN GAGE
							WIND INSTRUMENT	EXTREME THERMOMETER	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET	WEIGHING RAIN GAGE	RAINFALL GAGE				
*NOTE: <u>AIRPORT</u>																	
C.D. Lemmons Airport	4/1/83	06/01/93	NA	34°16'	88°46'	349	M25 b30	5	5	M25 a6	5	5	5	M5 c5	M d	M. RAMOS installed 12/3/82. First LCD published 7/1983. First LCD annual 1984. a. Moved to a site 250' NW of crash station 10/16/83. b. Moved to same site as above 8/01/85. c. Moved to same site as "a" & type change 9/07/85. d. RAMOS removed 10/22/85.	
Tupelo Muni/Lemons Airport	06/01/93	Present	NA	34°16'	88°46'	e347									S	ASOS commissioned 06/01/93 e. Ground elevation.	

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* NOTES: For earlier station history see previous edition.