

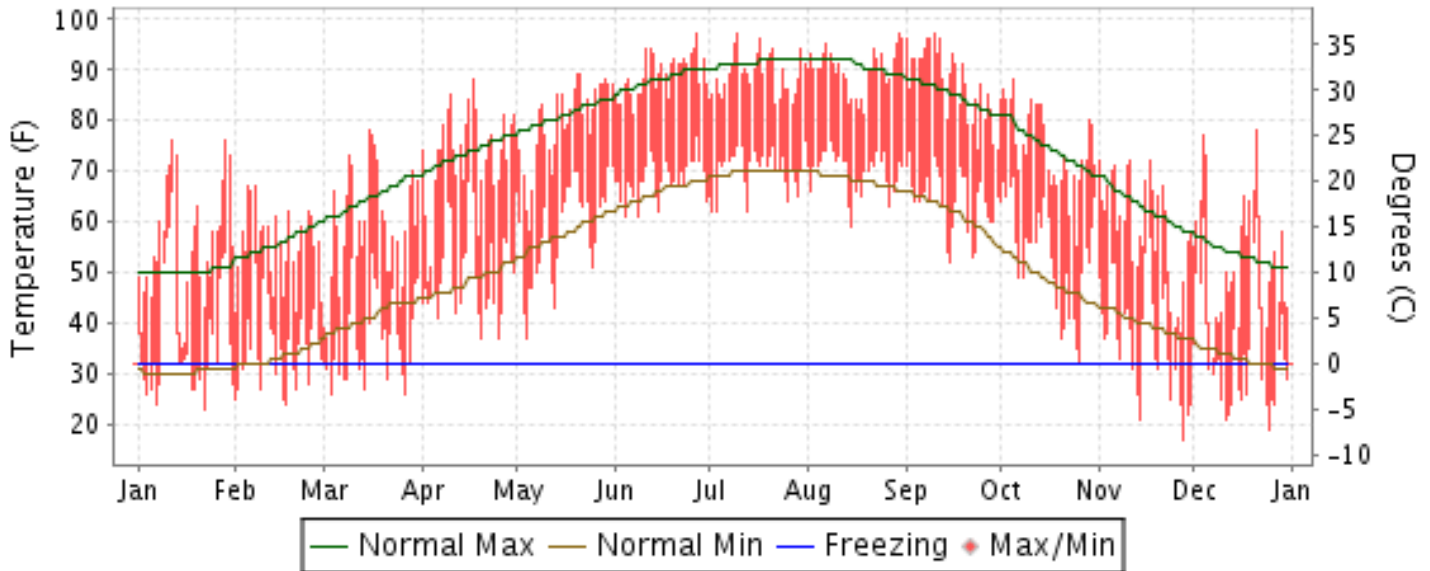


2013 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

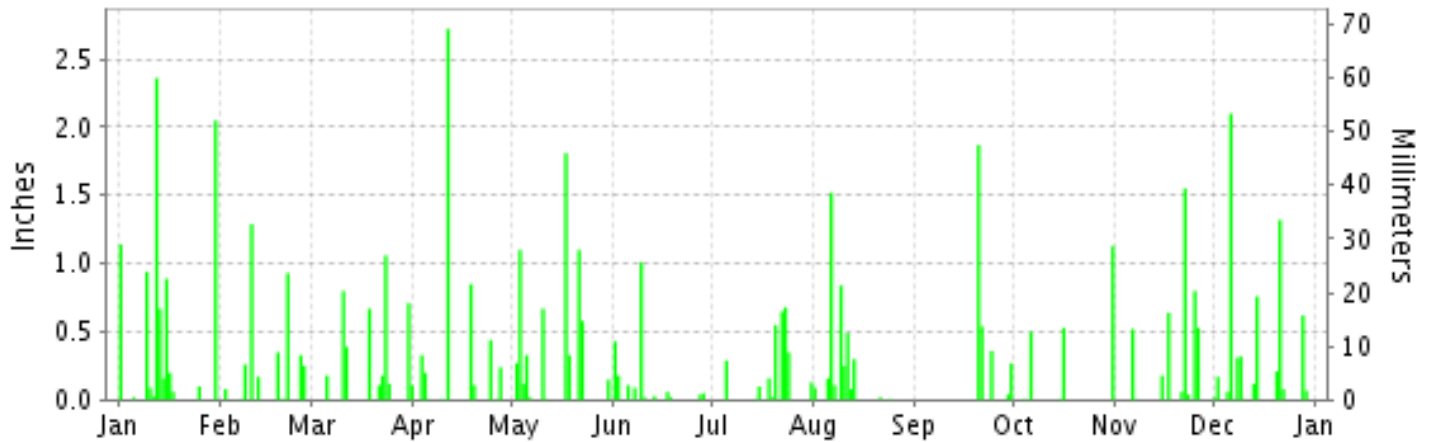
ISSN 0742-8782

TUPELO, MISSISSIPPI (KTUP)

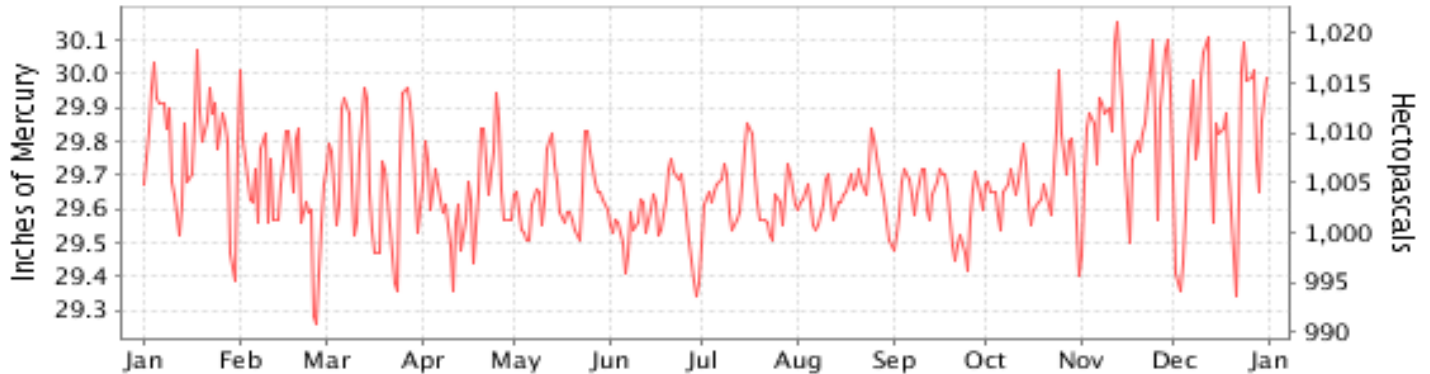
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2013

TUPELO (KTUP)

LATITUDE: 34° 15'N LONGITUDE: 88° 46'W ELEVATION (FT): GRND: 361 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	55.2	55.3	59.2	72.9	79.4	88.9	88.9	89.8	87.4	74.9	59.0	52.6	72.0	
	HIGHEST DAILY MAXIMUM	76	67	78	88	89	97	97	97	97	88	72	78	97	
	DATE OF OCCURRENCE	29+	07+	15	17	21+	27	10	30	10	05	17+	21	SEP 10	
	MEAN DAILY MINIMUM	36.7	34.9	37.1	49.3	58.3	68.3	70.2	70.0	64.2	53.5	37.0	34.2	51.1	
	LOWEST DAILY MINIMUM	23	24	26	37	37	61	62	59	52	32	17	19	17	
	DATE OF OCCURRENCE	22	17	27+	25+	04	08+	13+	15	15	26	28	25	NOV 28	
	AVERAGE DRY BULB	46.0	45.1	48.1	61.1	68.8	78.6	79.6	79.9	75.8	64.2	48.0	43.4	61.6	
	MEAN WET BULB	42.0	40.5	42.5	55.2	62.4	70.9	72.1	72.4	67.6	58.9	43.4	40.2	55.7	
	MEAN DEW POINT	37.1	34.0	34.8	49.3	58.0	67.1	68.4	69.4	63.3	55.3	37.0	35.7	50.8	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	0	14	13	19	14	0	0	0	0	60
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MINIMUM <= 32°	17	11	12	0	0	0	0	0	0	1	10	16	67	
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	590	549	515	161	58	0	0	0	0	119	504	670	3166	
	COOLING DEGREE DAYS	6	0	1	52	183	416	461	472	331	101	0	9	2032	
RH	MEAN (PERCENT)	75	67	63	68	71	71	72	75	70	76	68	77	71	
	HOUR 00 LST	79	76	72	79	83	85	85	86	84	87	78	84	82	
	HOUR 06 LST	84	77	78	84	86	88	88	91	90	91	82	86	85	
	HOUR 12 LST	66	54	51	54	59	55	58	58	51	59	53	66	57	
	HOUR 18 LST	69	59	53	54	58	58	59	64	58	71	64	72	62	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	0	1	0	2	0	0	0	0	0	3	1	1	8	
	THUNDERSTORMS	0	5	6	6	6	9	14	12	4	0	1	3	66	
PR	MEAN STATION PRESS. (IN.)	29.80	29.67	29.70	29.65	29.64	29.57	29.64	29.65	29.61	29.68	29.85	29.78	29.69	
	MEAN SEA-LEVEL PRESS. (IN.)	30.19	30.06	30.09	30.03	30.02	29.95	30.02	30.03	29.99	30.06	30.24	30.17	30.07	
WINDS	RESULTANT SPEED (MPH)	0.6	0.1	1.4	2.4	2.7	1.4	0.6	1.1		0.6	2.2	0.3		
	RES. DIR. (TENS OF DEGS.)	09	32	29	17	20	25	15	12		19	05	36		
	MEAN SPEED (MPH)	6.8	6.6	6.7	7.1	6.0	5.3	4.9	4.1	4.3	4.6	7.0	6.6	5.8	
	PREVAIL.DIR.(TENS OF DEGS.)	20	20	35	19	19	24	03	03	03	03	03	20	19	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	35	35	30	26	26	33	33	29	22	29	30	31	35	
	DIR. (TENS OF DEGS.)	17	20	29	27	21	27	05	33	04	21	03	27	20	
	DATE OF OCCURRENCE	10	18	24	11	30	05	24	15	21	31	17	21	FEB 18	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	49	45	46	39	41	49	47	44	30	39	38	46	49	
DIR. (TENS OF DEGS.)	16	21	34	28	21	26	29	02	19	21	03	27	26		
DATE OF OCCURRENCE	10	18	18	11	30	05	23	06	02	31	17	21	JUN 05		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	8.71	3.69	4.33	4.92	6.49	2.04	2.94	3.87	3.08	2.18	4.33	6.18	52.76	
	GREATEST 24-HOUR (IN.)	2.36	1.29	1.19	2.72	1.81	1.03	1.18	1.58	2.41	1.13	1.59	2.11	2.72	
	DATE OF OCCURRENCE	12	10	10-11	11	17	09-10	22-23	05-06	20-21	31	21-22	05-06	APR 11	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	13	11	10	10	12	11	10	11	5	5	9	15	122		
PRECIPITATION 0.10	9	7	10	7	10	4	8	7	4	3	6	9	84		
PRECIPITATION 1.00	3	1	1	1	3	1	0	1	1	1	1	2	16		
SNOWFALL	SNOW,ICE PELLETS,HAIL	T	T	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	T	
	TOTAL (IN.)	T	T	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	T	
	GREATEST 24-HOUR (IN.)	17+	20	02									10+	DEC 10+	
	DATE OF OCCURRENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
	MAXIMUM SNOW DEPTH (IN.)														
	DATE OF OCCURRENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	

NORMALS, MEANS, AND EXTREMES TUPELO (KTUP)

LATITUDE: 34° 15'N **LONGITUDE:** 88° 46'W **ELEVATION (FT):** GRND: 361 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	51.7	56.6	65.5	74.1	81.8	88.7	91.7	91.5	85.5	75.3	64.1	53.8	73.4
	MEAN DAILY MAXIMUM	68	52.0	53.3	64.4	72.6	82.1	87.8	91.8	91.6	84.2	75.8	62.1	53.8	72.6
	HIGHEST DAILY MAXIMUM	29	77	84	86	93	95	106	105	107	103	92	87	79	107
	YEAR OF OCCURRENCE		2002	1996	2007	2006	2012	2012	1986	2007	1990	2007	2005	1998	AUG 2007
	MEAN OF EXTREME MAXS.	68	70.4	74.7	81.5	86.3	90.8	95.9	97.8	98.3	94.6	87.2	79.3	71.3	85.7
	NORMAL DAILY MINIMUM	30	31.7	35.3	42.5	50.2	59.6	67.6	71.2	70.1	62.8	50.8	41.7	34.3	51.5
	MEAN DAILY MINIMUM	68	32.8	34.2	42.4	50.2	59.9	66.4	71.0	69.9	61.8	51.0	40.6	34.9	51.3
	LOWEST DAILY MINIMUM	29	-6	4	16	29	37	49	58	52	40	29	17	-3	-6
	YEAR OF OCCURRENCE		1985	1996	1996	1992	2013	1984	2008	2004	2001	1993	2013	1989	JAN 1985
	MEAN OF EXTREME MINS.	68	14.9	18.9	26.3	34.5	45.6	56.5	63.2	61.3	47.7	34.9	25.9	18.1	37.3
	NORMAL DRY BULB	30	41.7	45.9	54.0	62.1	70.7	78.1	81.4	80.8	74.1	63.0	52.9	44.1	62.4
	MEAN DRY BULB	68	42.5	43.8	53.4	61.4	71.0	77.2	81.4	80.8	73.0	63.4	51.4	44.4	62.0
	MEAN WET BULB	30	36.6	39.6	46.4	53.9	62.7	69.3	72.4	71.6	65.6	55.2	46.3	39.3	54.9
	MEAN DEW POINT	30	34.3	37.2	43.1	51.2	60.8	68.0	71.3	70.1	63.9	53.1	44.0	36.9	52.8
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.4	2.8	13.5	20.7	19.5	7.9	0.5	0.0	0.0	65.3
	MAXIMUM <= 32	30	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.6
	MINIMUM <= 32	30	16.4	10.9	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.7	5.8	14.3	52.9
MINIMUM <= 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	
H/C	NORMAL HEATING DEG. DAYS	30	723	535	355	146	24	0	0	0	12	136	374	651	2956
	NORMAL COOLING DEG. DAYS	30	1	1	14	60	201	395	510	490	286	75	11	2	2046
RH	NORMAL (PERCENT)	30	73	70	66	66	72	73	74	73	73	72	72	74	72
	HOURLY 00 LST	30	79	77	74	77	84	86	87	87	86	84	80	79	82
	HOURLY 06 LST	30	83	82	81	85	88	89	91	92	91	89	86	83	87
	HOURLY 12 LST	30	64	60	54	53	56	57	58	55	55	53	59	64	57
	HOURLY 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)	30	2.2	1.7	1.3	0.9	1.1	1.2	0.8	1.4	0.9	2.3	2.1	2.0	17.9
	THUNDERSTORMS	30	2.0	2.8	5.0	5.7	8.1	9.0	10.5	8.2	4.4	2.5	2.5	2.0	62.7
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)	30	29.77	29.72	29.67	29.62	29.61	29.60	29.62	29.63	29.64	29.69	29.74	29.77	29.67
	MEAN SEA-LEVEL PRES. (IN)	28	30.16	30.11	30.06	30.00	29.98	29.97	30.01	30.00	30.02	30.08	30.13	30.16	30.06
WINDS	MEAN SPEED (MPH)	30	7.5	7.8	8.0	7.5	6.4	5.4	5.0	4.9	5.8	5.7	6.7	7.2	6.5
	PREVAIL.DIR(TENS OF DEGS)	31	19	19	19	19	19	19	20	01	01	01	19	19	01
	MAXIMUM 2-MINUTE: SPEED (MPH)	20	39	38	37	43	46	41	48	41	35	38	32	40	48
	DIR. (TENS OF DEGS)		24	28	25	03	21	02	35	04	20	25	18	03	35
	YEAR OF OCCURRENCE		1996	2011	2004	2011	2008	1997	1998	2005	2005	1997	2003	2008	JUL 1998
	MAXIMUM 3-SECOND SPEED (MPH)	20	53	59	48	59	64	54	63	53	55	53	44	48	64
	DIR. (TENS OF DEGS)		23	29	26	27	20	01	36	05	20	26	31	18	20
	YEAR OF OCCURRENCE		1996	2011	1997	2009	2010	2012	1998	2005	2005	1997	2003	2009	MAY 2010
PRECIPITATION	NORMAL (IN)	30	4.48	4.96	4.82	4.78	5.56	4.52	3.90	3.45	3.44	4.12	4.70	6.28	55.01
	MAXIMUM MONTHLY (IN)	29	11.58	10.90	9.34	12.16	17.56	11.37	8.45	11.70	10.64	10.98	9.64	14.49	17.56
	YEAR OF OCCURRENCE		1999	1991	1994	1991	1991	1997	2005	2003	2002	2009	1986	1990	MAY 1991
	MINIMUM MONTHLY (IN)	29	0.30	2.33	1.85	0.46	.87	0.17	0.48	0.39	0.05	.02	1.16	1.57	0.02
	YEAR OF OCCURRENCE		1986	1988	2005	1986	2005	1988	1986	1999	1999	2005	2012	1984	OCT 2005
	MAXIMUM IN 24 HOURS (IN)	29	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	10.0	10.1	10.1	9.5	10.6	9.8	9.0	7.5	6.5	7.6	9.0	10.6	110.3
	PRECIPITATION >= 1.00	30	1.3	1.6	1.5	1.6	1.7	1.3	0.9	1.0	1.1	1.3	1.4	1.9	16.6
SNOWFALL	NORMAL (IN)	30	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.1
	MAXIMUM MONTHLY (IN)	22	7.2	5.3	2.5	0.4	T	0.0	T	0.0	0.0	T	0.1	2.2	7.2
	YEAR OF OCCURRENCE		1988	1985	2008	1987	1989		1990			1993	1991	1983	JAN 1988
	MAXIMUM IN 24 HOURS (IN)	22	6.9	3.1	1.7	0.4	T	0.0	T	0.0	0.0	T	0.1	1.9	6.9
	YEAR OF OCCURRENCE		1988	1985	1993	1987	1989	0	1990	0	0	1993	1991	1983	JAN 1988
	MAXIMUM SNOW DEPTH (IN)	23	6	4	2	0	0	0	0	0	0	0	T	2	6
	YEAR OF OCCURRENCE		2011	1985	2008								1991	1983	JAN 2011
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	0.1	0.8	

PRECIPITATION (inches) 2013 TUPELO (KTUP)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
2005	5.38	4.72	1.85	5.99	0.87	5.10	8.45	5.83	4.28	0.02	3.93	5.68	52.10
2006	6.68	4.81	3.50	3.05	4.79	1.16	1.58	1.48	5.11	6.35	4.07	4.61	47.19
2007	4.72	2.59	2.90	2.14	1.10	2.83	6.66	1.20	4.27	6.93	2.18	2.46	39.98
2008	2.38	2.99	4.74	6.50	6.34	0.28	3.60	8.32	2.51	4.96	2.61	11.46	56.69
2009	3.09	3.05	5.87	3.58	9.65	1.26	5.38	4.17	9.69	10.98	2.24	4.25	63.21
2010	5.63	2.92	3.63	1.99	10.42	2.30	7.01	1.86	1.82	2.54	5.60	2.23	47.95
2011	2.55	2.58	6.60	9.00	3.36	5.38	1.02	0.98	8.33	0.94	5.14	5.76	51.64
2012	4.73	4.63	7.71	1.75	2.27	1.41	5.11	3.14	7.71	3.06	1.16	7.08	49.76
2013	8.71	3.69	4.33	4.92	6.49	2.04	2.94	3.87	3.08	2.18	4.33	6.18	52.76
POR= 68 YRS	4.99	5.10	5.78	4.65	4.69	3.93	4.24	3.13	3.51	3.21	4.51	5.62	53.36

WBAN : 93862

AVERAGE TEMPERATURE (°F) 2013 TUPELO (KTUP)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
2005	47.6	49.5	53.1	62.1	69.2	78.0	81.9	83.7	77.9	63.6	55.2	42.1	63.7
2006	49.4	44.0	55.4	68.2	72.1	79.4	84.4	85.8	73.0	61.6	52.1	47.4	64.4
2007	44.0	43.4	61.9	60.6	73.5	80.7	81.0	86.7	77.5	67.0	53.1	49.2	64.9
2008	39.5	46.8	54.3	60.7	69.6	78.7	82.0	78.4	73.6	61.6	49.5	44.8	61.6
2009	41.4	47.2	55.4	61.6	70.8	80.0	78.3	78.4	74.5	60.1	53.1	42.1	61.9
2010	37.2	38.5	51.2	63.8	72.6	82.4	83.6	84.3	76.3	63.9	53.0	39.9	62.2
2011	38.3	47.0	54.7	65.4	69.8	81.7	83.8	83.4	71.4	59.9	54.3	46.1	63.0
2012	48.2	49.0	63.8	64.7	74.1	78.0	83.7	79.3	72.8	60.9	49.9	49.8	64.5
2013	46.0	45.1	48.1	61.1	68.8	78.6	79.6	79.9	75.8	64.2	48.0	43.4	61.6
POR= 68 YRS	42.5	43.8	53.4	61.4	71.0	77.2	81.4	80.8	73.0	63.4	51.4	44.4	62.0

HEATING DEGREE DAYS (base 65°F) 2013 TUPELO (KTUP)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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
2004-05	0	1	3	50	231	672	535	429	372	117	42	0	2452
2005-06	0	0	0	149	327	705	477	582	324	55	17	0	2636
2006-07	0	0	10	179	385	540	647	598	165	185	5	0	2714
2007-08	0	0	0	94	349	494	785	527	333	171	28	0	2781
2008-09	0	0	0	153	461	621	723	489	312	153	22	0	2934
2009-10	0	0	7	178	346	703	855	737	421	81	21	0	3349
2010-11	0	0	0	98	354	771	819	502	330	83	68	0	3025
2011-12	0	0	8	181	337	578	514	464	110	101	0	0	2293
2012-13	0	0	11	160	448	468	590	549	515	161	58	0	2960
2013-	0	0	0	119	504	670							

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COOLING DEGREE DAYS (base 65°F) 2013 TUPELO (KTUP)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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
2005	4	0	9	36	180	398	534	586	395	115	39	0	2296
2006	0	1	34	159	244	439	611	652	254	78	3	0	2475
2007	3	0	77	62	275	479	503	680	381	161	1	9	2631
2008	0	7	7	47	179	416	531	422	264	55	0	0	1928
2009	0	0	19	62	211	460	420	424	301	36	0	0	1933
2010	0	0	0	50	263	529	581	606	345	70	1	0	2445
2011	0	3	17	100	222	511	589	578	206	30	22	0	2278
2012	0	7	79	98	290	399	587	449	251	41	1	1	2203
2013	6	0	1	52	183	416	461	472	331	101	0	9	2032

SNOWFALL (inches) 2013 TUPELO (KTUP)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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													
2004-05													
2005-													
2006-07						0.0	0.0	0.2	0.0	0.0	0.0	0.0	
2007-08	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	2.5	0.0	0.0	0.0	2.6
2008-09	0.0	0.0	0.0	0.0	0.0	T	T	T	0.3	0.0	0.0	0.0	0.3
2009-10	0.0	0.0	0.0	0.0	0.0	T	0.5	0.2	T	0.0	0.0	0.0	0.7
2010-11	0.0	0.0	0.0	0.0	0.0	1.4	6.8	2.6	0.0	0.0	0.0	0.0	10.8
2011-12	0.0	0.0	0.0	0.0	T	T	0.0	T	0.0	0.0	0.0	0.0	T
2012-13	0.0	0.0	0.0	0.0	0.0	T	T	T	T	0.0	0.0	0.0	T
2013-	0.0	0.0	0.0	0.0	0.0	T							
POR= 64 YRS	T	0.0	0.0	T	T	0.2	0.9	0.4	0.2	T	T	0.0	1.7

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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. 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 CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.</p> <p>GENERAL CONTINUED: 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</p>	<p>PRECIPITATION, INCLUDING HAIL. A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65 F. DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR. DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY. WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY. ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED STATION HISTORY INFORMATION GO TO "Historical Observing Metadata Repository", URL IS: http://www.ncdc.noaa.gov/homr/ SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p>NOTE: The "Period of Record:(POR)" for all "averages" is based on "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p>
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2013 TUPELO MISSISSIPPI (KTUP)

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 History

TUPELO, MS

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
TUPELO	1939-01-01	1940-02-28	34° 15'	-88° 43'			COOP, SYNOPTIC
TUPELO	1941-01-01	1948-01-01	34° 15'	-88° 43'			COOP, SYNOPTIC
TUPELO MUNICIPAL AP	1969-04-30	1983-05-01	34° 16'	-88° 46'	349		AIRWAYS
TUPELO REGIONAL AP	2000-08-15	2004-05-12	34° 15'	-88° 46'	361		ASOS, COOP
TUPELO	1940-02-28	1941-01-01	34° 15'	-88° 43'			COOP
TUPELO REGIONAL AP	2011-09-30	Present	34° 15'	-88° 46'	361		AIRSAMPLE, ASOS, COOP
TUPELO C D LEMONS AP	1983-10-01	1993-06-01	34° 16'	-88° 46'	361		COOP, WXSVC
TUPELO C D LEMONS AP	1999-10-01	2000-08-15	34° 15'	-88° 46'	361		ASOS, COOP
TUPELO	1948-01-01	1951-06-30	34° 15'	-88° 43'	279		COOP, SYNOPTIC
TUPELO MUNICIPAL AP	1983-05-01	1983-10-01	34° 16'	-88° 46'	349		WXSVC
TUPELO C D LEMONS AP	1993-06-01	1999-10-01	34° 15'	-88° 46'	361		ASOS, COOP
TUPELO REGIONAL AP	2004-05-12	2006-11-16	34° 15'	-88° 46'	361		ASOS, COOP
TUPELO REGIONAL AP	2006-11-16	2011-09-30	34° 15'	-88° 46'	361		AIRSAMPLE, ASOS, COOP

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
TEMP	2004-05-12	2006-11-16	DAILY	2400	ATEMP		
PRECIP	2006-11-16	Present	DAILY	2400	PCPNX		
TEMP	1999-10-01	2001-10-03	DAILY	2400	HYGR		
TEMP	2001-10-03	2004-05-12	DAILY	2400	ATEMP		
PRECIP	2001-10-03	2004-05-12	HOURLY	2400	AHTB	RCRD;HTD	
PRECIP	2004-05-12	2006-11-16	DAILY	2400	PCPNX		
PRECIP	1939-01-01	1951-06-30	DAILY	2400			
PRECIP	1983-10-01	1995-07-01	HOURLY	2400			
PRECIP	1995-07-01	1999-10-01	DAILY	2400	SRG		
PRECIP	1995-07-01	1999-10-01	HOURLY	2400	UNIV	RCRD	
TEMP	1995-07-01	1999-10-01	DAILY	2400	MXMN		
PRECIP	2006-11-16	Present	HOURLY	2400	AWPAG	RCRD;HTD	
TEMP	2006-11-16	Present	DAILY	2400	ATEMP		
TEMP	1939-01-01	1951-06-30	DAILY	2400			
PRECIP	1999-10-01	2001-10-03	DAILY	2400	TB	RCRD	
PRECIP	2001-10-03	2004-05-12	DAILY	2400	TB	RCRD	
PRECIP	1983-10-01	1995-07-01	DAILY	2400	SRG		
TEMP	1983-10-01	1995-07-01	DAILY	2400	MXMN		
PRECIP	1999-10-01	2001-10-03	HOURLY	2400	TB	RCRD	
PRECIP	2004-05-12	2006-11-16	HOURLY	2400	AHTB	RCRD;HTD	

* For explanation of codes and abbreviations see Station Metadata link below.

Other Station Information can be found at:

ASOS Implementation by NWS: <http://www.nws.noaa.gov/ops2/Surface/asosimplementation.htm>

Station Metadata website: <http://www.ncdc.noaa.gov/homr>

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