

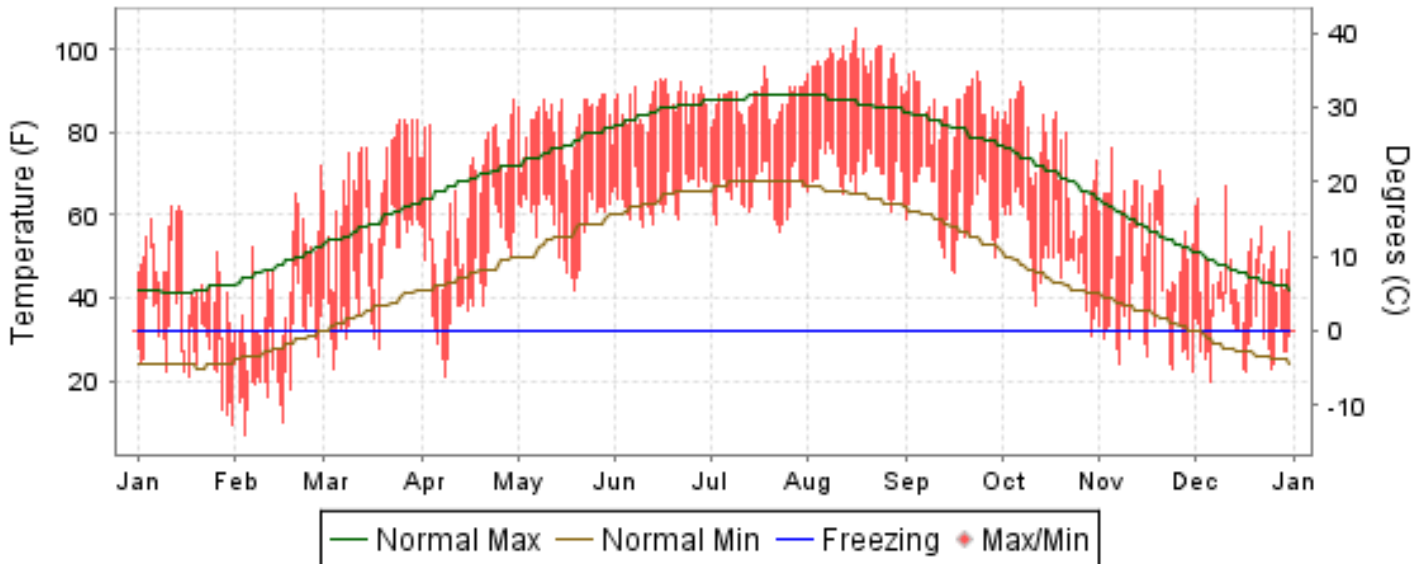


2007 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

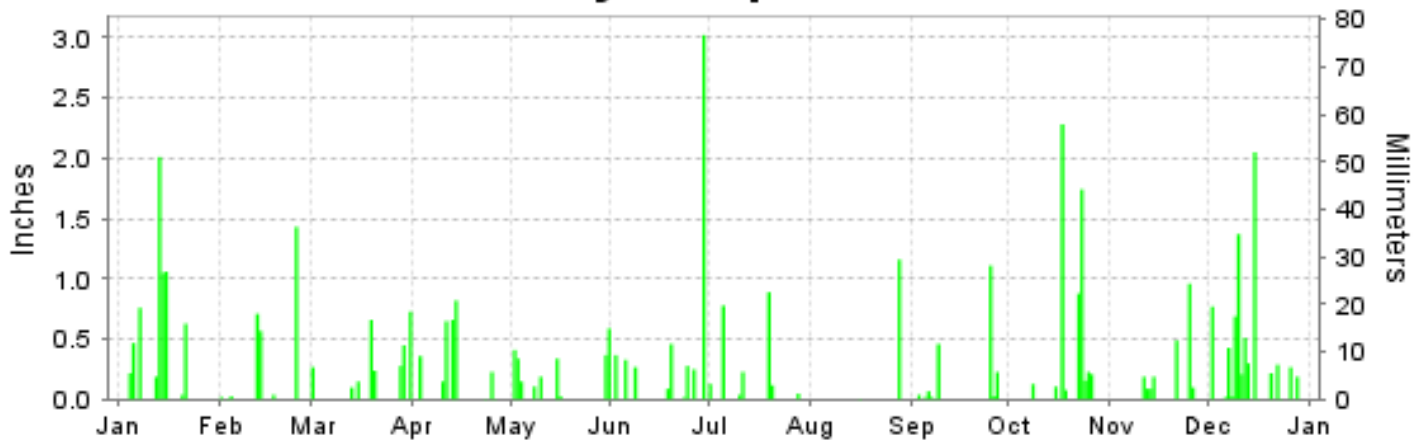
ISSN 0888-9988

PADUCAH, KENTUCKY (KPAH)

Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2007

PADUCAH (KPAH)

LATITUDE: 37 ° 3 'N LONGITUDE: -88 ° 46'W ELEVATION (FT): GRND: 404 BARO: 394 TIME ZONE: CENTRAL (UTC -6) WBAN: 03816

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	45.7	43.2	68.2	67.0	82.5	87.5	87.9	97.1	86.5	74.5	58.1	48.0	70.5	
	HIGHEST DAILY MAXIMUM	62	72	83	88	89	93	96	105	95	92	76	67	105	
	DATE OF OCCURRENCE	14+	28	30+	30	29+	17+	18	16	23+	07	05	11	AUG 16	
	MEAN DAILY MINIMUM	29.1	24.8	45.1	44.2	58.5	64.5	65.3	70.1	60.9	50.9	35.8	32.1	48.4	
	LOWEST DAILY MINIMUM	9	7	23	21	42	57	56	61	46	31	22	20	7	
	DATE OF OCCURRENCE	31	04	04	08	19	10	23	27	16	29	30	06	FEB 04	
	AVERAGE DRY BULB	37.4	34.0	56.7	55.6	70.5	76.0	76.6	83.6	73.7	62.7	47.0	40.1	59.5	
	MEAN WET BULB	34.4		49.6	48.2	62.2	67.7	68.9	71.4	64.7	56.1	42.0	37.4		
	MEAN DEW POINT	29.3		42.0	39.9	56.3	63.1	64.6	65.8	59.3	51.0	34.7	33.0		
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	0	10	14	29	10	3	0	0	0	66
MAXIMUM <= 32°	3	10	0	0	0	0	0	0	0	0	0	0	0	13	
MINIMUM <= 32°	20	20	7	5	0	0	0	0	0	1	13	17	83		
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
H/C	HEATING DEGREE DAYS	848	862	300	312	27	0	0	0	8	165	533	768	3823	
	COOLING DEGREE DAYS	0	0	48	35	205	338	369	584	274	105	0	0	1958	
RH	MEAN (PERCENT)	73	62	61	58	65	68	69	60	66	69	65	76	66	
	HOUR 00 LST	78	66	70	70	78	81	85	76	78	79	73	79	76	
	HOUR 06 LST	80	71	75	76	81	83	86	80	84	81	74	83	80	
	HOUR 12 LST	67	56	50	44	47	51	50	40	46	51	51	68	52	
	HOUR 18 LST	69	56	54	45	53	56	55	47	54	65	61	75	58	
S	PERCENT POSSIBLE SUNSHINE	47	60	71	83	83	84	86	90	78	75	66	49	73	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	2	1	1	0	2	2	1	0	2	2	1	5	19	
	THUNDERSTORMS	0	1	5	3	6	7	2	2	2	2	4	1	35	
CLOUDNESS	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.)	29.73	29.64	29.67	29.54	29.63	29.52	29.54	29.53	29.63	29.58	29.70	29.61	29.61	
	MEAN SEA-LEVEL PRESS. (IN.)	30.18	30.10	30.11	29.98	30.06	29.96	29.98	29.96	30.06	30.02	30.15	30.06	30.05	
WINDS	RESULTANT SPEED (MPH)	2.9	1.2	2.3	2.7	0.9	0.7	0.8	1.6	1.0	0.8	1.5	0.4	1.1	
	RES. DIR. (TENS OF DEGS.)	26	32	23	27	16	20	28	25	17	21	27	26	25	
	MEAN SPEED (MPH)	7.5	8.1	7.3	7.6	4.9	4.1	4.4	4.9	3.6	5.7	5.4	6.4	5.8	
	PREVAIL.DIR.(TENS OF DEGS.)	22	35	22	22	16	24	23	23	17	17	21	23	23	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	26	30	32	37	35	29	31	24	20	28	26	30	37	
	DIR. (TENS OF DEGS.)	26	13	24	25	25	27	04	23	26	02	35	32	25	
	DATE OF OCCURRENCE	01	24	01	11	15	05	05	20	05	24	05	02	APR 11	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	31	39	45	49	46	51	46	36	25	36	35	39	51	
DIR. (TENS OF DEGS.)	33	13	23	25	23	28	03	22	01	22	36	33	28		
DATE OF OCCURRENCE	09	24	01	11	15	05	05	28	28	18	05	02	JUN 05		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	6.43	2.81	2.88	2.89	2.53	5.09	2.24	1.17	1.99	5.82	2.11	7.37	43.33	
	GREATEST 24-HOUR (IN.)	5.67	1.43	2.42	1.48	0.90	3.02	3.02	1.16	1.13	2.34	2.34	2.05	5.67	
	DATE OF OCCURRENCE	18-19	24	13-14	13-14	19-20	29	29	28	25-26	17-18	17-18	15	JAN 18-19	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	9	7	8	8	9	9	7	2	9	9	7	16	100	
PRECIPITATION 0.10	8	3	8	6	8	7	5	1	3	8	5	12	74		
PRECIPITATION 1.00	3	1	0	0	0	1	0	1	1	2	0	2	11		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	T	2.5	T	T	0.0	0.0	0.0	0.0	0.0	T	T	0.2	2.7	
	GREATEST 24-HOUR (IN.)	T	1.4	T	T	0.0	0.0	0.0	0.0	0.0	T	T	0.2	1.4	
	DATE OF OCCURRENCE	31+	04	06+	15						18	23	16	FEB 04	
	MAXIMUM SNOW DEPTH (IN.)	0	T	0	0	0	0	0	0	0	0	0	0	T	
	DATE OF OCCURRENCE		+											FEB +	
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0	0	1	0	0	0	0	0	0	0	0	0	0	1		

NORMALS, MEANS, AND EXTREMES PADUCAH (KPAH)

LATITUDE:
37 ° 3 'N

LONGITUDE:
-88 ° 46'W

ELEVATION (FT):
GRND: 404 BARO: 394

TIME ZONE:
CENTRAL (UTC -6)

WBAN: 03816

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	41.9	48.0	58.1	68.4	76.9	85.2	88.6	87.4	81.2	70.8	57.2	46.3	67.5
	MEAN DAILY MAXIMUM	58	43.1	47.3	57.4	68.6	77.7	85.4	89.1	87.1	81.2	71.1	57.2	46.5	67.6
	HIGHEST DAILY MAXIMUM	24	70	77	84	90	94	103	102	105	100	92	83	74	105
	YEAR OF OCCURRENCE		2002	1996	1986	1987	1998	1988	1988	2007	1999	2007	2005	1998	AUG 2007
	MEAN OF EXTREME MAXS.	58	65.0	68.4	77.6	84.2	89.0	95.3	97.2	96.3	92.5	85.9	76.0	66.5	82.8
	NORMAL DAILY MINIMUM	30	23.9	28.2	37.1	45.6	55.0	63.8	67.7	64.9	57.1	45.2	36.5	27.5	46.0
	MEAN DAILY MINIMUM	58	25.5	28.5	36.8	46.8	56.4	64.4	68.6	66.0	58.1	47.0	37.1	29.1	47.0
	LOWEST DAILY MINIMUM	24	-15	-8	11	21	35	44	52	44	35	24	10	-10	-15
	YEAR OF OCCURRENCE		1985	1985	1996	2007	2005	1993	2004	1986	1995	1993	1986	1989	JAN 1985
	MEAN OF EXTREME MINS.	58	5.2	9.7	20.0	30.1	41.2	51.9	57.6	54.9	41.9	30.5	20.4	10.2	31.1
	NORMAL DRY BULB	30	32.9	38.1	47.6	57.0	65.9	74.5	78.2	76.2	69.1	58.0	46.8	36.9	56.8
	MEAN DRY BULB	58	34.3	37.9	47.1	57.7	67.1	75.0	78.9	76.6	69.7	59.0	47.1	37.8	57.4
	MEAN WET BULB	23	32.5	35.8	42.7	51.5	61.0	68.3	71.9	70.4	63.0	52.8	43.3	34.9	52.3
	MEAN DEW POINT	23	28.4	30.8	37.2	46.5	57.4	65.4	69.5	67.9	59.8	48.6	38.8	30.8	48.4
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	*	1.2	9.6	17.1	12.7	4.8	*	0.0	0.0	45.4
	MAXIMUM <= 32	30	6.9	3.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	3.8	15.0
MINIMUM <= 32	30	23.6	17.4	10.5	2.5	0.0	0.0	0.0	0.0	0.0	2.2	9.9	19.4	85.5	
MINIMUM <= 0	30	1.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.6	
H/C	NORMAL HEATING DEG. DAYS	30	982	750	530	256	75	7	0	0	43	236	531	855	4265
	NORMAL COOLING DEG. DAYS	30	0	0	6	32	119	308	425	363	182	35	1	0	1471
RH	NORMAL (PERCENT)	30	75	72	67	66	72	74	75	76	74	72	72	75	73
	HOURLY 00 LST	30	79	78	73	76	84	87	88	90	88	83	78	79	82
	HOURLY 06 LST	30	82	82	79	82	87	89	91	93	92	87	83	83	86
	HOURLY 12 LST	30	67	63	57	53	57	58	59	57	54	53	60	66	59
	HOURLY 18 LST	30	72	66	58	55	61	62	64	64	65	67	68	73	65
S	PERCENT POSSIBLE SUNSHINE	18	45	49	55	62	62	66	71	70	64	64	51	44	59
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	44	2.5	1.8	1.1	0.5	1.0	1.0	1.5	2.9	3.6	2.8	1.3	2.3	22.3
	THUNDERSTORMS	49	1.4	1.5	3.8	5.3	7.7	7.9	7.7	6.4	3.8	2.3	2.2	1.0	51.0
CLOUDNESS	MEAN: SUNRISE-SUNSET (OKTAS)	11	5.6	5.5	5.3	4.9	5.1	4.8	3.9	3.7	3.9	4.1	4.7	4.9	4.7
	MIDNIGHT-MIDNIGHT (OKTAS)	12	4.8	4.8	4.6	4.2	4.5	4.2	3.7	3.4	3.6	3.8	4.6	4.7	4.2
	MEAN NO. DAYS WITH: CLEAR	11	6.6	5.6	7.0	8.5	7.1	6.6	9.9	11.4	11.1	11.3	8.8	7.5	101.4
	PARTLY CLOUDY	11	6.3	7.5	7.7	7.8	8.5	11.9	11.2	11.1	7.6	6.9	4.3	6.4	97.2
	CLOUDY	11	18.1	15.0	16.3	13.7	15.4	11.5	9.9	8.5	11.3	12.8	16.9	17.2	166.6
PR	MEAN STATION PRESSURE(IN)	23	29.70	29.68	29.61	29.55	29.55	29.54	29.57	29.58	29.60	29.64	29.66	29.70	29.62
	MEAN SEA-LEVEL PRES. (IN)	23	30.15	30.13	30.06	29.98	29.98	29.97	30.00	30.01	30.04	30.08	30.11	30.15	30.06
WINDS	MEAN SPEED (MPH)	23	8.7	8.6	9.1	8.7	7.0	5.9	5.6	4.9	5.4	6.4	8.0	8.1	7.2
	PREVAIL.DIR(TENS OF DEGS)	25	22	22	19	22	19	19	23	22	19	19	22	20	22
	MAXIMUM 2-MINUTE: SPEED (MPH)	12	35	40	48	38	43	45	51	33	33	43	34	39	51
	DIR. (TENS OF DEGS)		22	25	24	26	28	29	34	01	26	24	26	25	34
	YEAR OF OCCURRENCE		2006	2000	2006	2004	1996	2000	2002	1997	2006	1996	1998	2006	JUL 2002
	MAXIMUM 5-SECOND SPEED (MPH)	12	47	53	61	61	58	56	70	55	53	52	48	46	70
	DIR. (TENS OF DEGS)		20	26	24	31	28	29	33	03	31	25	29	23	33
YEAR OF OCCURRENCE		1999	2000	2006	1997	2004	2000	2002	1997	2001	1996	2002	2006	JUL 2002	
PRECIPITATION	NORMAL (IN)	30	3.47	3.93	4.27	4.95	4.75	4.51	4.45	2.99	3.56	3.45	4.53	4.38	49.24
	MAXIMUM MONTHLY (IN)	24	6.43	13.33	7.64	8.45	8.78	10.98	8.04	6.07	11.65	7.37	9.56	9.99	13.33
	YEAR OF OCCURRENCE		2007	1989	2002	1984	2002	1998	1998	2005	2006	1998	1988	1984	FEB 1989
	MINIMUM MONTHLY (IN)	24	0.99	1.09	1.78	1.55	0.71	0.41	0.28	0.11	0.02	.11	0.90	1.34	0.02
	YEAR OF OCCURRENCE		1987	1996	1995	1986	1994	1988	1999	1996	2004	2005	1999	1985	SEP 2004
	MAXIMUM IN 24 HOURS (IN)	24	5.82	6.34	3.57	4.31	3.45	4.11	4.87	3.64	7.53	5.25	4.90	4.12	7.53
	YEAR OF OCCURRENCE		2000	1989	1997	1985	1997	1989	2000	2005	1985	1998	1996	2001	SEP 1985
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	9.4	8.6	11.0	11.0	10.9	9.0	8.3	7.0	7.4	7.7	9.9	10.1	110.3
PRECIPITATION >= 1.00	30	0.8	1.3	1.0	1.2	1.4	1.3	1.4	0.9	1.1	0.9	1.5	1.2	14.0	
SNOWFALL	NORMAL (IN)	30	3.9	3.3	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.5	10.2
	MAXIMUM MONTHLY (IN)	24	16.8	15.3	7.4	T	T	T	T	T	0.0	T	2.2	0.4	14.2
	YEAR OF OCCURRENCE		1985	1993	1994	2007	2006	1993	1992		2001	1993	1997	2004	JAN 1985
	MAXIMUM IN 24 HOURS (IN)	24	7.4	7.9	7.3	T	T	T	T	0.0	T	2.1	0.4	14.0	14.0
	YEAR OF OCCURRENCE		1994	1993	1994	1993	2006	1993	1992	1984	2001	1993	1997	2004	DEC 2004
	MAXIMUM SNOW DEPTH (IN)	49	20	8	8	3	0	0	0	0	0	2	1	13	20
	YEAR OF OCCURRENCE		1978	1979	1967	1971						1993	1969	2004	JAN 1978
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	1.4	1.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	3.6	

PRECIPITATION (inches) 2007 PADUCAH (KPAH)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	1.21	4.74	5.83	8.45	6.50	1.58	5.44	3.96	6.80	5.88	4.75	9.99	65.13
1985	1.82	3.70	3.67	6.85	4.13	4.85	0.85	5.89	9.23	7.26	4.29	1.34	53.88
1986	1.44	3.73	3.16	1.55	8.51	1.50	7.07	4.33	3.69	4.45	3.59	3.11	46.13
1987	0.99	3.93	1.93	2.30	1.43	4.03	2.58	1.31	2.80	1.58	4.29	9.19	36.36
1988	3.50	5.15	4.60	2.13	3.14	0.41	3.08	1.05	3.49	3.81	9.56	3.05	42.97
1989	5.31	13.33	5.36	2.55	2.33	9.20	7.07	1.80	2.64	3.48	2.59	1.78	57.44
1990	5.38	9.05	3.69	4.76	7.49	2.14	4.03	1.34	2.38	4.45	2.33	9.59	56.63
1991	3.77	4.07	3.55	3.81	4.29	1.47	3.23	2.42	3.25	3.57	2.17	3.84	39.44
1992	2.13	2.68	3.38	2.07	2.08	3.57	6.90	3.47	5.81	3.51	3.45	1.79	40.84
1993	3.79	3.99	2.99	5.14	2.59	5.51	0.56	2.89	6.00	3.82	6.45	3.57	47.30
1994	4.06	2.70	3.55	7.39	0.71	2.34	2.40	1.73	3.43	2.93	3.55	3.72	38.51
1995	4.20	3.26	1.78	4.34	5.68	4.19	3.28	3.52	1.47	2.30	2.72	1.89	38.63
1996	3.38	1.09	3.25	4.62	5.22	7.81	6.11	.11	7.26	4.13	8.89	4.90	56.77
1997	2.62	5.32	7.42	5.03	7.95	6.59	2.78	2.86	2.41	2.92	2.33	2.46	50.69
1998	3.06	4.75	3.52	5.41	3.23	10.98	8.04	3.15	0.12	7.37	2.63	3.71	55.97
1999	6.43	1.94	3.09	6.60	3.71	8.97	0.28	0.54	0.66	3.93	0.90	4.04	41.09
2000	6.36	5.11	4.25	4.63	5.16	3.39	5.18	1.85	3.68	1.24	4.76	2.84	48.45
2001	1.04	5.44	2.50	1.85	4.42	2.06	7.40	4.21	3.90	6.36	7.74	8.68	55.60
2002	5.84	1.62	7.64	6.32	8.78	0.83	2.16	1.72	5.84	3.90	2.60	7.07	54.32
2003	1.15	6.60	1.95	5.96	6.04	5.17	2.78	3.61	5.05	2.14	5.17	2.20	47.82
2004	3.06	1.62	3.55	3.94	5.73	4.17	1.75	1.57	0.02	4.86	7.04	3.32	40.63
2005	4.60	2.55	3.85	4.56	0.82	3.64	4.24	6.07	3.49	0.11	2.06	1.46	37.45
2006	6.28	2.72	5.46	3.46	6.89	2.98	8.02	4.29	11.65	5.24	5.65	4.47	67.11
2007	6.43	2.81	2.88	2.89	2.53	5.09	2.24	1.17	1.99	5.82	2.11	7.37	43.33
POR= 58 YRS	3.87	3.76	4.41	4.66	4.76	4.33	4.03	3.08	3.62	3.25	4.21	4.35	48.33

WBAN : 03816

AVERAGE TEMPERATURE (°F) 2007 PADUCAH (KPAH)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	29.2	42.1	43.6	56.7	64.6	78.6	76.7	76.9	68.5	63.1	45.0	45.2	57.5
1985	23.9	32.0	51.3	60.9	66.8	73.3	78.4	74.8	68.8	62.4	52.5	31.3	56.4
1986	35.5	40.3	49.7	60.6	68.7	77.4	81.7	73.8	73.8	60.1	45.1	36.9	58.6
1987	33.5	40.9	50.2	57.4	73.0	78.2	79.5	79.8	71.6	53.4	50.9	41.1	59.1
1988	32.2	35.1	47.5	57.4	67.3	75.8	80.4	80.9	70.8	52.8	48.4	38.2	57.2
1989	41.4	32.8	48.1	57.3	64.6	73.6	78.3	77.7	69.3	59.9	48.6	27.1	56.6
1990	43.8	45.7	51.5	55.9	63.9	76.4	78.8	75.9	72.1	56.8	53.5	39.9	59.5
1991	34.2	41.9	51.4	62.3	72.5	78.0	80.9	78.4	71.1	61.1	45.4	41.9	59.9
1992	38.1	45.6	49.7	59.2	66.0	73.6	79.7	74.0	69.0	58.5	48.2	38.7	58.4
1993	38.3	36.9	46.6	55.9	67.3	76.5	84.3	78.7	67.3	56.1	45.6	38.5	57.7
1994	29.1	39.6	47.6	60.4	64.1	78.2	78.1	75.0	67.5	59.8	52.4	42.5	57.9
1995	37.0	37.5	51.4	59.7	67.5	75.3	79.5	80.8	66.9	58.9	42.0	36.6	57.8
1996	32.7	37.9	41.0	53.9	69.7	75.3	75.9	76.6	67.8	58.3	43.0	40.2	56.0
1997	31.9	42.5	50.1	52.5	62.1	73.1	78.4	75.2	68.8	57.8	42.5	37.0	56.0
1998	40.5	44.1	47.4	56.5	71.1	76.4	78.7	77.0	74.9	61.2	50.6	40.6	59.9
1999	37.7	43.7	43.7	60.1	66.0	75.6	81.6	76.4	69.4	59.1	53.2	40.4	58.9
2000	36.3	44.6	50.3	55.2	69.2	74.8	77.2	78.6	69.4	62.2	44.5	25.9	57.4
2001	32.3	41.8	42.8	63.2	68.4	73.4	79.2	78.0	67.9	57.9	51.7	41.8	58.2
2002	39.6	39.6	45.3	60.3	65.4	77.7	81.8	79.4	73.5	57.6	44.6	38.2	58.6
2003	29.0	34.2	48.2	59.6	66.4	70.7	78.3	78.1	67.0	59.0	51.5	39.4	56.8
2004	34.3	37.8	52.1	58.3	71.2	74.0	76.1	72.6	70.5	61.6	51.1	35.8	58.0
2005	40.2	43.4	45.9	58.2	65.1	76.0	78.3	80.1	72.7	59.1	49.9	34.4	58.6
2006	44.1	37.0	48.8	62.7	66.5	75.5	78.5	78.5	66.4	56.0	48.1	42.8	58.7
2007	37.4	34.0	56.7	55.6	70.5	76.0	76.6	83.6	73.7	62.7	47.0	40.1	59.5
POR= 58 YRS	34.3	37.9	47.1	57.7	67.1	75.0	78.9	76.6	69.7	59.0	47.1	37.8	57.3

HEATING DEGREE DAYS (base 65°F) 2007 PADUCAH (KPAH)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84							1103	659	656	269	82	0	
1984-85	0	0	69	108	591	611	1269	918	431	170	48	10	4225
1985-86	0	0	67	151	378	1037	909	688	475	173	47	0	3925
1986-87	0	8	3	191	589	863	968	671	451	249	7	0	4000
1987-88	0	0	12	356	419	735	1011	861	534	239	38	0	4205
1988-89	0	0	16	383	491	825	726	897	525	292	115	0	4270
1989-90	0	0	42	193	488	1165	651	534	438	313	89	10	3923
1990-91	0	1	28	273	352	771	949	642	429	119	18	0	3582
1991-92	0	0	72	190	585	709	827	556	470	228	86	5	3728
1992-93	0	0	39	203	502	808	818	781	565	279	40	8	4043
1993-94	0	0	54	293	581	812	1110	705	531	185	93	0	4364
1994-95	0	0	38	186	372	691	864	761	415	207	64	0	3598
1995-96	0	0	61	197	686	874	994	782	739	337	46	3	4719
1996-97	0	0	40	216	656	760	1019	625	455	372	129	5	4277
1997-98	0	0	18	292	670	860	750	577	576	255	26	9	4033
1998-99	0	0	2	158	428	754	839	588	654	168	32	0	3623
1999-00	0	0	45	213	356	755	884	590	450	293	29	3	3618
2000-01	0	0	55	153	611	1205	1006	643	682	147	30	8	4540
2001-02	0	0	60	236	396	713	781	705	603	203	100	0	3797
2002-03	0	0	9	267	606	825	1109	854	514	187	36	15	4422
2003-04	0	0	43	200	408	784	948	782	409	231	41	0	3846
2004-05	0	12	12	140	412	898	760	598	587	210	97	0	3726
2005-06	0	0	21	233	457	941	644	779	511	134	62	0	3782
2006-07	0	0	50	308	503	681	848	862	300	312	27	0	3891
2007-	0	0	8	165	533	768							

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COOLING DEGREE DAYS (base 65°F) 2007 PADUCAH (KPAH)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1984	0	0	0	29	76	415	369	375	182	53	0	2	1501
1985	0	1	11	52	112	263	419	309	186	77	9	0	1439
1986	0	0	6	50	169	379	524	286	273	47	0	0	1734
1987	0	0	0	29	258	402	458	465	213	3	3	0	1831
1988	0	0	0	19	117	333	482	499	197	11	0	0	1658
1989	0	0	11	68	108	266	419	398	177	42	3	0	1492
1990	0	0	26	46	63	356	435	344	247	28	12	0	1557
1991	0	0	13	40	252	396	499	424	262	75	4	0	1965
1992	0	0	0	58	123	270	463	285	166	12	5	0	1382
1993	0	0	2	11	120	360	604	430	131	23	5	0	1686
1994	0	0	0	52	70	406	413	317	115	31	5	0	1409
1995	1	0	3	54	149	315	457	495	125	16	0	0	1615
1996	0	4	0	12	197	316	345	367	132	16	1	0	1390
1997	0	0	0	3	49	253	425	321	142	78	0	0	1271
1998	0	0	36	9	223	357	429	384	304	50	2	4	1798
1999	0	0	0	28	69	324	520	361	185	37	7	0	1531
2000	0	4	3	4	164	305	383	428	196	75	4	0	1566
2001	0	0	0	101	141	268	446	410	152	20	2	0	1540
2002	1	0	0	70	120	387	526	453	274	46	0	0	1877
2003	0	0	0	32	87	194	419	414	112	21	10	0	1289
2004	2	0	11	36	239	275	350	252	184	42	3	0	1394
2005	1	0	1	13	106	335	419	474	260	59	17	0	1685
2006	0	0	19	74	117	319	427	425	99	32	0	0	1512
2007	0	0	48	35	205	338	369	584	274	105	0	0	1958

SNOWFALL (inches) 2007 PADUCAH (KPAH)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84							4.3	11.2	T	0.0	0.0	0.0	
1984-85	0.0	0.0	0.0	0.0	0.0	7.1	16.8	4.8	0.0	0.0	0.0	0.0	28.7
1985-86	0.0	0.0	0.0	0.0	0.0	2.0	0.6	8.3	T	0.0	0.0	0.0	10.9
1986-87	0.0	0.0	0.0	0.0	T	T	2.4	1.7	1.3	0.0	0.0	0.0	5.4
1987-88	0.0	0.0	0.0	0.0	0.0	3.4	3.0	1.4	2.8	T	0.0	0.0	10.6
1988-89	0.0	0.0	0.0	0.0	0.0	2.2	T	3.6	T	0.0	0.0	0.0	5.8
1989-90	0.0	0.0	0.0	T	T	1.7	0.1	1.0	0.7	T	0.0	T	3.5
1990-91	0.0	0.0	0.0	0.0	0.0	3.4	0.2	T	T	0.0	0.0	0.0	3.6
1991-92	0.0	0.0	0.0	0.0	T	0.0	T	T	T	T	0.0	0.0	T
1992-93	T	0.0	0.0	0.0	T	3.0	0.3	15.3	0.7	T	0.0	T	19.3
1993-94	0.0	0.0	0.0	2.2	T	0.4	7.7	0.7	7.4	0.0	0.0	0.0	18.4
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.9	0.2	0.0	0.0	0.0	2.3
1995-96	0.0	0.0	0.0	0.0	T	2.3	5.3	3.9	1.3	0.0			
1996-97					.2	1.9	4.1	5.3	0.0	T		0.0	
1997-98	0.0		0.0		0.4	1.8	T	0.1	0.7	T	0.0	0.0	
1998-99	0.0	0.0	0.0	0.0	0.0	0.7	1.6	0.6	T	0.0	0.0	0.0	2.9
1999-00	0.0	0.0	0.0	0.0	0.0	T	2.4	0.7	0.4	T	0.0	0.0	3.5
2000-01	0.0	0.0	0.0	0.0	0.0	6.4	1.3	0.4	0.0	T	0.0	0.0	8.1
2001-02	0.0	0.0	T	0.0	0.0	T	7.8	T	T	0.0	0.0	0.0	7.8
2002-03	0.0	0.0	0.0	0.0	0.2	5.9	6.8	11.0	0.0	T	0.0	0.0	23.9
2003-04	0.0	0.0	0.0	0.0	T	0.1	0.2	2.5	0.0	0.0	0.0	0.0	2.8
2004-05	0.0	0.0	0.0	0.0	0.0	14.2	T	T	T	T	0.0	0.0	14.2
2005-06	0.0	0.0	0.0	0.0	0.0	0.9	0.8	7.3	T	T	T	0.0	9.0
2006-07	0.0	0.0	0.0	0.0	0.0	T	T	2.5	T	T	0.0	0.0	2.5
2007-	0.0	0.0	0.0	T	T	0.2							
POR= 56 YRS	T	0.0	T	T	0.2	1.6	3.3	2.9	1.5	0.1	T	T	9.6

WBAN : 03816

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> <p>NOTE: The "Period of Record:(POR) for all "averages" is based on the "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p>
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**2007
PADUCAH
KENTUCKY (KPAH)**

No narrative available.

Station Location

PADUCAH

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	Latitude		Longitude		ELEVATION ABOVE								REMARKS	
				NORTH	WEST	SEA LEVEL	GROUND							AUTOMATIC OBSERVING EQUIPMENT *			
						GROUND TEMPERATURE SITE	WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET RAIN GAUGE	WEIGHING RAIN GAUGE	8 INCH RAIN GAUGE		HYGROTHERMOMETER		
<u>AIRPORT</u>																	
Fisher Road Barkley Regional Airport	10/1/84	08/01/95	NA	37° 04'	88° 46'	402	33	4	NA	6	4	4	4	4	4	NA	WSO established. a. Type change 8/30/85.
Barkley Regional AP	08/01/95	Present	NA	37° 03'	88° 46'	b391									S	ASOS Commissioned 08/01/95 b. Ground elevation.	

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