

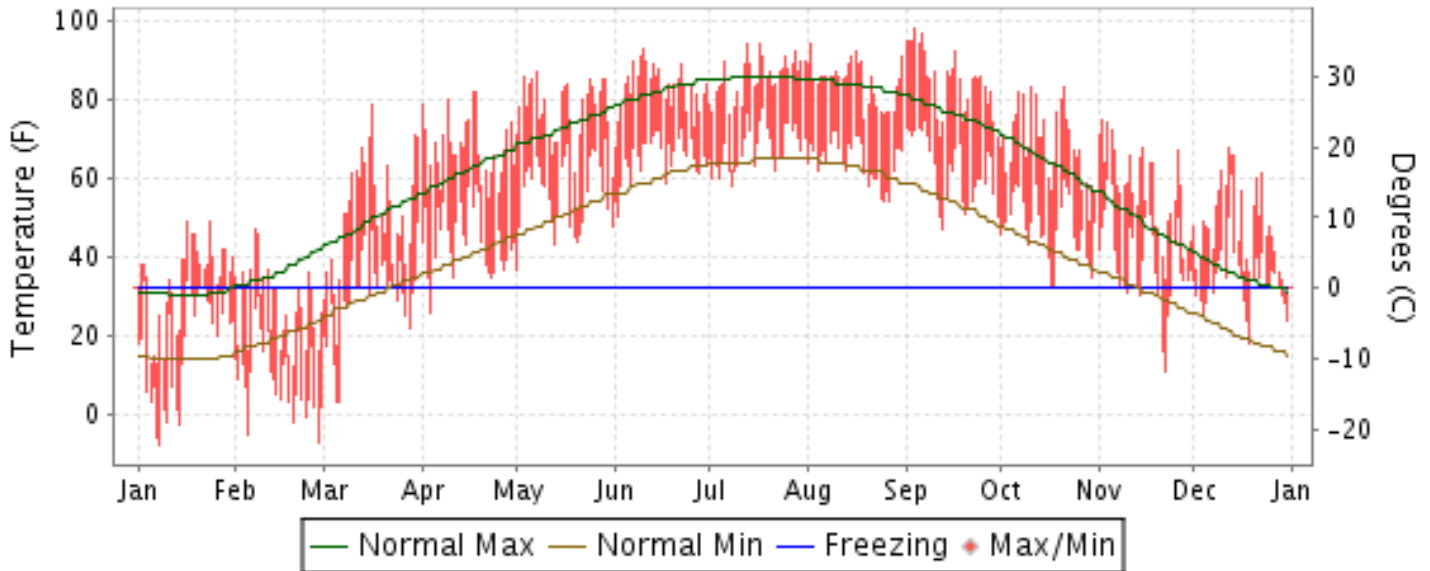


# 2015 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

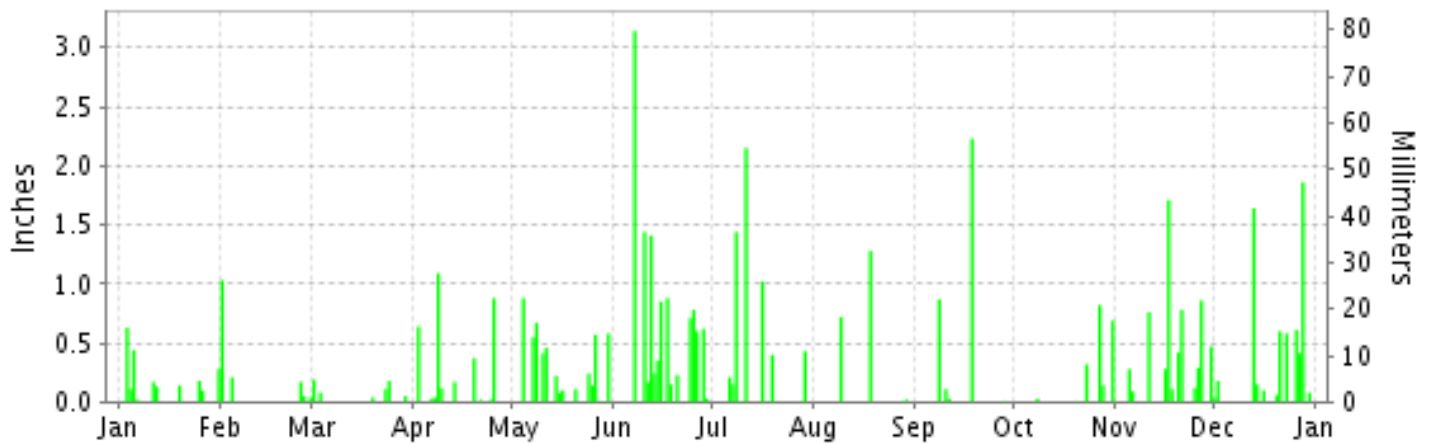
ISSN 0198-1889

## PEORIA, ILLINOIS (KPIA)

### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NCEI

# METEOROLOGICAL DATA FOR 2015

## PEORIA (KPIA)

LATITUDE:  
40° 40'N

LONGITUDE:  
89° 41'W

ELEVATION (FT):  
GRND: 650 BARO: 716

TIME ZONE:  
CENTRAL (UTC -6)

WBAN: 14842

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	33.8	27.7	51.1	67.5	76.7	83.0	85.1	84.5	84.7	68.8	57.2	48.0	64.0	
	HIGHEST DAILY MAXIMUM	49	47	79	82	87	93	94	94	98	83	75	68	98	
	DATE OF OCCURRENCE	24+	07	16	18+	07	10	17+	02	04	21+	02	12	SEP 04	
	MEAN DAILY MINIMUM	18.0	9.6	30.4	44.4	56.4	65.2	67.7	64.5	62.2	47.7	38.6	34.2	44.9	
	LOWEST DAILY MINIMUM	-8	-7	3	26	37	50	58	54	47	32	11	18	-8	
	DATE OF OCCURRENCE	08	27	06+	04	01	02	08	27+	13	18	22	19	JAN 08	
	AVERAGE DRY BULB	25.9	18.7	40.8	55.9	66.5	74.1	76.4	74.5	73.5	58.3	47.9	41.1	54.5	
	MEAN WET BULB	23.7	17.1	35.1	47.7	59.1	67.3	69.2	66.5	63.8	50.3	42.7	38.4	48.4	
	MEAN DEW POINT	18.0	10.1	26.9	37.5	53.2	63.5	65.5	61.9	58.3	42.9	36.3	34.4	42.4	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	0	4	8	5	8	0	0	0	0	25
	MAXIMUM <= 32°	10	19	3	0	0	0	0	0	0	0	0	2	34	
MINIMUM <= 32°	28	28	18	1	0	0	0	0	0	1	9	13	98		
MINIMUM <= 0°	4	4	0	0	0	0	0	0	0	0	0	0	8		
H/C	HEATING DEGREE DAYS	1206	1291	743	274	87	7	5	0	16	229	507	731	5096	
	COOLING DEGREE DAYS	0	0	0	11	143	288	368	302	275	29	3	0	1419	
RH	MEAN (PERCENT)	72	67	61	53	65	72	71	67	64	61	67	77	66	
	HOUR 00 LST	76	69	67	60	72	80	80	79	74	68	73	79	73	
	HOUR 06 LST	76	73	74	70	77	82	82	83	81	76	76	83	78	
	HOUR 12 LST	65	60	50	43	56	63	62	50	49	49	59	71	56	
	HOUR 18 LST	70	65	53	41	55	64	62	56	55	54	62	74	59	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	1	2	3	1	2	3	4	2	0	0	4	5	27	
	THUNDERSTORMS	0	0	0	5	6	13	4	2	4	0	1	2	37	
PR	MEAN STATION PRESS. (IN.)	29.47	29.48	29.44	29.24	29.34	29.23	29.24	29.29	29.34	29.36	29.38	29.26	29.34	
	MEAN SEA-LEVEL PRESS. (IN.)	30.21	30.23	30.18	29.96	30.05	29.93	29.94	29.99	30.04	30.08	30.09	29.99	30.06	
WINDS	RESULTANT SPEED (MPH)	3.0	1.7	0.5	0.6	3.0	1.9	0.4	1.7	2.0	0.3	4.6	4.7	1.7	
	RES. DIR. (TENS OF DEGS.)	25	29	19	19	19	19	17	23	16	27	20	21	21	
	MEAN SPEED (MPH)	7.8	7.9	7.9	9.1	8.3	7.4	5.6	6.0	6.4	8.3	9.9	10.1	7.9	
	PREVAIL.DIR.(TENS OF DEGS.)	19	31	07	07	18	21	06	19	18	05	18	18	18	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	31	28	26	33	31	32	25	33	23	28	53	37	53	
	DIR. (TENS OF DEGS.)	19	18	22	27	17	27	28	20	19	28	22	24	22	
	DATE OF OCCURRENCE	08	20	29	09	15	07	19	18	14	12	11	23	NOV 11	
	MAXIMUM 3-SECOND WIND:														
SPEED (MPH)	48	38	33	45	45	48	32	45	29	36	70	51	70		
DIR. (TENS OF DEGS.)	30	35	18	26	18	28	28	20	03	30	21	07	21		
DATE OF OCCURRENCE	08	14	29	09	15	07	19	18	29	28	11	28	NOV 11		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	2.22	1.50	0.65	3.38	5.02	11.60	5.84	2.03	3.25	2.01	6.17	6.31	49.98	
	GREATEST 24-HOUR (IN.)	0.64	1.03	0.19	1.09	1.22	3.14	2.15	1.28	2.23	0.91	1.88	1.86	3.14	
	DATE OF OCCURRENCE	02-03	01	01	08	07-08	07	11	18	18	27-28	16-17	28	JUN 07	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	12	5	6	10	14	15	11	4	5	6	12	12	112		
PRECIPITATION 0.10	9	3	3	6	12	14	7	2	3	4	11	9	83		
PRECIPITATION 1.00	0	1	0	1	0	3	3	1	1	0	1	2	13		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	10.2	12.8	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	2.5	32.8	
	GREATEST 24-HOUR (IN.)	5.1	6.1	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	1.4	6.1	
	DATE OF OCCURRENCE	05	01	01								21	30	FEB 01	
	MAXIMUM SNOW DEPTH (IN.)	6	9	4	0	0	0	0	0	0	0	5	T	9	
	DATE OF OCCURRENCE	14	05	02								22	30+	FEB 05	
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0	3	3	1	0	0	0	0	0	0	0	1	2	10		

# NORMALS, MEANS, AND EXTREMES PEORIA (KPIA)

**LATITUDE:** 40° 40'N      **LONGITUDE:** 89° 41'W      **ELEVATION (FT):** GRND: 650 BARO: 716      **TIME ZONE:** CENTRAL (UTC -6)      **WBAN: 14842**

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
<b>TEMPERATURE °F</b>	NORMAL DAILY MAXIMUM	30	32.8	37.7	50.3	63.0	73.2	82.2	85.6	83.8	77.0	64.5	50.3	36.1	61.4
	MEAN DAILY MAXIMUM	123	32.3	35.7	48.7	61.6	73.1	82.1	86.6	84.5	77.2	65.3	49.3	36.3	61.1
	HIGHEST DAILY MAXIMUM	77	70	72	86	92	94	105	104	103	100	93	81	71	105
	YEAR OF OCCURRENCE		1989	1976	1986	1986	2006	1988	2012	1988	2011	2006	1950	1982	JUN 1988
	MEAN OF EXTREME MAXS.	123	53.2	57.7	73.0	82.1	88.2	94.1	96.3	94.9	91.4	83.1	70.6	57.5	78.5
	NORMAL DAILY MINIMUM	30	17.0	21.2	31.0	41.7	51.6	61.4	65.5	63.7	55.2	43.5	32.9	21.0	42.1
	MEAN DAILY MINIMUM	123	16.4	19.4	30.2	40.8	51.4	60.8	65.2	63.2	55.2	43.7	31.9	21.4	41.6
	LOWEST DAILY MINIMUM	77	-25	-19	-10	14	25	39	47	41	26	19	-2	-23	-25
	YEAR OF OCCURRENCE		1977	1996	1960	1982	1966	1993	1972	1986	1942	1972	1977	1989	JAN 1977
	MEAN OF EXTREME MINS.	123	-6.4	-1.4	11.0	25.7	35.8	47.0	53.5	50.9	38.9	27.4	14.3	-0.6	24.7
	NORMAL DRY BULB	30	24.9	29.5	40.6	52.3	62.4	71.8	75.5	73.8	66.1	54.0	41.6	28.6	51.8
	MEAN DRY BULB	123	24.4	27.5	39.4	51.2	62.3	71.5	75.9	73.9	66.2	54.5	40.6	28.9	51.4
	MEAN WET BULB	32	21.7	24.6	34.3	44.0	54.5	63.6	67.5	66.1	58.1	46.6	35.8	26.3	45.3
	MEAN DEW POINT	32	20.3	23.2	32.1	41.7	52.7	62.0	66.4	65.1	56.6	44.9	34.4	24.8	43.7
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	0.5	3.8	7.2	5.5	1.6	0.1	0.0	0.0	18.7
	MAXIMUM <= 32	30	14.3	8.6	2.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.6	10.3	36.9
MINIMUM <= 32	30	28.1	23.4	17.0	4.0	0.2	0.0	0.0	0.0	0.1	3.4	14.0	25.7	115.9	
MINIMUM <= 0	30	3.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	7.2	
<b>H/C</b>	NORMAL HEATING DEG. DAYS	30	1243	995	756	393	148	18	1	5	84	356	702	1130	5831
	NORMAL COOLING DEG. DAYS	30	0	0	1	13	67	222	328	276	117	15	0	0	1039
<b>RH</b>	NORMAL (PERCENT)	30	76	75	70	65	67	69	73	75	73	71	75	79	72
	HOURLY 00 LST	30	80	80	75	72	76	78	83	85	83	79	80	82	79
	HOURLY 06 LST	30	81	82	81	79	82	83	88	90	89	85	84	84	84
	HOURLY 12 LST	30	70	68	60	55	57	57	59	62	58	57	66	72	62
	HOURLY 18 LST	30	74	72	62	55	57	57	61	65	63	64	71	77	65
<b>S</b>	PERCENT POSSIBLE SUNSHINE	52	47	50	51	55	60	67	69	67	64	61	43	42	56
<b>W/O</b>	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	52	3.0	2.5	2.0	0.8	1.0	0.7	1.1	1.4	1.5	1.6	1.9	3.6	21.1
	THUNDERSTORMS	110	0.5	0.6	2.5	4.6	6.7	8.3	7.3	6.7	4.6	2.2	1.2	0.5	45.7
<b>CLOUDINESS</b>	MEAN: SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH: CLEAR														
	PARTLY CLOUDY CLOUDY														
<b>PR</b>	MEAN STATION PRESSURE(IN)	32	29.38	29.38	29.33	29.24	29.25	29.25	29.29	29.31	29.34	29.34	29.35	29.38	29.32
	MEAN SEA-LEVEL PRES. (IN)	32	30.13	30.12	30.06	29.95	29.96	29.94	29.98	30.01	30.04	30.05	30.08	30.12	30.04
<b>WINDS</b>	MEAN SPEED (MPH)	32	9.6	9.3	10.1	10.1	8.5	7.4	6.5	6.0	6.6	8.0	9.3	9.0	8.4
	PREVAIL.DIR(TENS OF DEGS)	47	30	31	19	19	19	19	19	19	19	19	19	19	19
	MAXIMUM 2-MINUTE: SPEED (MPH)	21	38	41	54	45	45	45	37	44	40	44	53	37	54
	DIR. (TENS OF DEGS)		24	24	23	24	21	23	32	27	22	27	22	24	23
	YEAR OF OCCURRENCE		2014	2014	1998	1997	2003	2011	2003	2008	2011	1996	2015	2015	MAR 1998
	MAXIMUM 3-SECOND SPEED (MPH)	21	54	55	64	56	64	61	51	59	60	60	70	51	70
	DIR. (TENS OF DEGS)		27	22	20	24	23	24	31	23	27	23	21	07	21
	YEAR OF OCCURRENCE		2014	2012	1998	1997	2003	2011	2011	2009	2007	1996	2015	2015	NOV 2015
<b>PRECIPITATION</b>	NORMAL (IN)	30	1.78	1.79	2.80	3.63	4.33	3.53	3.85	3.24	3.15	2.84	3.13	2.42	36.49
	MAXIMUM MONTHLY (IN)	77	8.11	5.37	7.49	8.66	10.41	11.69	10.15	8.61	13.09	10.80	7.62	6.34	13.09
	YEAR OF OCCURRENCE		1965	1997	2009	1947	2013	1974	1993	1965	1961	1941	1985	1949	SEP 1961
	MINIMUM MONTHLY (IN)	77	0.22	0.33	0.39	0.71	.69	0.60	0.33	0.25	0.03	0.03	0.22	0.32	0.03
	YEAR OF OCCURRENCE		1986	1947	1958	1971	2005	1988	1988	1992	1979	1964	1999	1995	SEP 1979
	MAXIMUM IN 24 HOURS (IN)	77	4.45	3.34	3.39	5.06	3.62	4.44	4.22	4.32	4.72	3.70	4.32	3.38	5.06
	YEAR OF OCCURRENCE		1965	1997	1944	1950	1956	1974	1993	1955	2008	1969	1990	1949	APR 1950
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	9.2	8.4	10.4	11.4	11.8	10.1	9.1	9.1	8.1	9.2	9.6	10.1	116.5
PRECIPITATION >= 1.00	30	0.4	0.3	0.5	0.7	1.2	0.9	1.2	0.8	0.8	0.5	0.7	0.5	8.5	
<b>SNOWFALL</b>	NORMAL (IN)	30	6.9	6.2	2.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	1.1	7.1	24.6
	MAXIMUM MONTHLY (IN)	72	24.7	22.9	16.9	13.4	0.1	T	T	0.0	T	1.8	9.1	21.7	24.7
	YEAR OF OCCURRENCE		1979	2014	1960	1982	1966	2000	1990		1992	1967	1974	1977	JAN 1979
	MAXIMUM IN 24 HOURS (IN)	72	12.2	11.8	9.0	6.1	0.1	T	T	0.0	T	1.8	7.2	10.2	12.2
	YEAR OF OCCURRENCE		1979	2011	1946	1982	1966	2000	1990		1992	1967	1951	1973	JAN 1979
	MAXIMUM SNOW DEPTH (IN)	109	20	17	10	10	0	0	0	0	1	3	7	13	20
	YEAR OF OCCURRENCE		1979	1979	1960	1982					1942	1929	1975	1973	JAN 1979
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	2.4	1.9	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.0	7.6	

**PRECIPITATION (inches) 2015 PEORIA (KPIA)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1986	0.22	1.79	0.87	1.39	2.95	6.53	7.00	1.74	6.39	4.64	1.32	2.60	37.44
1987	1.49	0.84	1.98	1.84	1.69	3.27	2.90	4.02	1.62	0.73	2.88	4.15	27.41
1988	1.99	0.71	2.83	1.59	1.68	0.60	0.33	2.11	2.82	1.08	4.19	2.23	22.16
1989	1.00	1.17	1.14	4.39	2.23	1.28	2.22	2.86	2.87	1.57	0.93	0.87	22.53
1990	1.73	3.59	3.95	2.32	6.19	7.99	9.18	5.31	1.03	3.17	7.19	3.70	55.35
1991	1.19	0.57	3.67	2.97	5.94	1.50	0.35	3.41	3.59	7.31	3.57	2.06	36.13
1992	1.06	1.55	2.58	1.61	0.82	0.80	8.19	0.25	5.81	1.33	5.58	2.99	32.57
1993	3.55	1.68	4.08	4.89	3.25	5.70	10.15	7.38	7.56	2.42	2.22	1.19	54.07
1994	0.92	1.98	0.66	3.86	1.52	1.81	1.37	2.92	1.27	3.19	3.49	2.21	25.20
1995	2.83	0.54	1.56	4.77	10.19	1.57	2.83	1.95	1.47	3.23	2.48	0.32	33.74
1996	1.44	0.82	2.04	2.55	7.60	2.08	4.57	1.03	1.62	2.51	2.16	1.06	29.48
1997	1.05	5.37	1.68	2.76	2.65	1.38	0.89	6.10	3.13	2.29	2.85	1.69	31.84
1998	2.55	2.64	4.67	4.96	5.50	5.19	1.64	5.26	2.30	3.21	2.63	1.75	42.30
1999	3.07	1.16	0.94	4.31	4.92	3.21	4.22	2.78	1.54	1.35	0.22	2.55	30.27
2000	0.80	1.82	1.63	2.53	4.04	3.76	1.95	0.91	2.64	1.95	3.22	0.96	26.21
2001	3.29	2.82	1.09	4.21	5.33	2.79	1.46	4.24	4.15	5.08	1.90	1.35	37.71
2002	2.81	1.15	1.82	4.61	6.80	4.24	2.18	4.57	0.78	1.46	0.68	2.21	33.31
2003	0.47	0.77	1.97	2.63	3.94	4.45	5.73	2.44	1.53	1.78	3.38	1.92	31.01
2004	0.67	0.52	3.07	2.20	5.44	2.99	3.94	4.92	0.99	4.25	4.06	1.40	34.45
2005	4.18	1.73	1.65	1.82	0.69	0.87	2.39	1.87	3.91	1.48	3.52	1.31	25.42
2006	3.40	0.56	3.10	5.18	1.29	1.99	2.04	3.53	1.67	2.17	3.86	3.14	31.93
2007	2.40	2.56	5.79	4.35	2.62	3.73	2.74	4.12	1.53	1.94	1.84	3.40	37.02
2008	3.22	3.94	2.05	2.70	5.21	5.02	3.68	1.04	12.34	2.12	1.17	4.05	46.54
2009	0.72	2.02	7.49	6.68	5.74	4.76	3.91	4.65	3.53	7.95	2.89	4.17	54.51
2010	1.88	1.86	3.30	3.31	8.20	6.54	4.46	2.51	5.04	1.52	1.75	3.77	44.14
2011	0.78	3.41	1.52	7.33	5.75	6.04	1.66	1.51	3.62	0.67	4.70	2.88	39.87
2012	1.20	1.74	1.51	2.52	2.44	2.36	1.35	3.76	3.32	4.08	0.82	1.98	27.08
2013	3.83	2.90	2.63	7.75	10.41	2.19	1.79	0.33	1.85	5.13	3.26	1.49	43.56
2014	2.10	2.77	1.94	3.72	1.45	9.67	1.49	6.94	4.98	2.41	1.07	1.23	39.77
2015	2.22	1.50	0.65	3.38	5.02	11.60	5.84	2.03	3.25	2.01	6.17	6.31	49.98
POR= 123 YRS	1.84	1.68	2.83	3.71	4.10	3.87	3.68	3.12	3.66	2.52	2.46	2.04	35.51

WBAN : 14842

**AVERAGE TEMPERATURE (°F) 2015 PEORIA (KPIA)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1986	26.6	23.5	43.2	55.4	64.0	72.3	77.4	68.9	68.9	55.2	36.2	30.9	51.9
1987	25.2	35.7	44.1	54.1	68.4	74.0	79.0	73.7	65.7	48.0	44.6	32.4	53.7
1988	22.7	23.5	39.9	51.1	65.4	73.1	78.6	78.5	68.2	48.2	41.5	29.7	51.7
1989	33.9	18.7	39.2	50.7	59.1	69.8	75.3	72.4	62.2	54.9	39.8	16.2	49.4
1990	34.8	33.7	43.4	50.0	57.8	71.0	72.6	72.1	66.1	51.9	45.2	27.7	52.2
1991	21.5	32.4	42.8	55.8	68.0	74.7	75.4	74.3	65.4	53.9	36.0	32.0	52.7
1992	30.1	35.6	42.3	50.0	61.0	69.7	72.4	68.6	64.2	53.1	39.8	29.5	51.4
1993	27.4	25.1	36.4	49.8	63.6	70.4	76.1	75.0	61.4	51.7	39.4	31.4	50.6
1994	18.2	26.2	41.0	53.2	61.7	74.4	74.6	71.6	66.7	56.2	44.8	34.7	51.9
1995	24.1	28.3	42.6	49.3	58.3	72.1	76.2	79.4	62.7	54.2	34.4	27.5	50.8
1996	21.9	28.9	34.0	48.1	60.0	71.1	72.0	73.4	64.4	54.0	33.7	28.7	49.2
1997	19.3	31.9	41.4	47.1	57.1	70.7	75.4	71.5	66.1	54.9	38.1	30.9	50.4
1998	29.7	39.6	39.5	52.1	66.8	70.7	75.7	75.2	70.4	55.5	45.2	33.3	54.5
1999	22.9	36.1	38.2	53.7	63.9	72.0	78.1	71.2	64.1	54.4	47.2	31.5	52.8
2000	25.7	36.7	46.5	51.6	64.5	69.2	73.3	75.9	66.5	57.4	37.6	16.1	51.8
2001	24.2	28.6	36.4	57.8	63.8	69.7	76.8	74.6	64.0	53.0	50.0	34.5	52.8
2002	33.1	34.2	37.2	52.4	58.9	74.2	79.1	75.3	68.7	50.9	38.5	32.1	52.9
2003	22.1	24.4	40.0	53.3	60.6	68.1	74.8	75.6	63.6	54.5	43.0	32.9	51.1
2004	22.9	30.0	44.2	54.1	65.3	69.7	72.9	68.2	67.9	54.6	44.0	31.0	52.1
2005	26.9	35.1	39.0	55.5	60.8	76.1	77.8	76.1	71.6	55.8	43.4	24.1	53.5
2006	37.6	29.9	41.4	56.4	62.6	71.3	78.6	74.7	64.3	50.8	44.3	34.1	53.8
2007	28.1	19.7	47.3	49.9	67.5	72.9	73.9	78.3	70.9	59.9	41.7	28.7	53.2
2008	25.4	24.5	39.0	51.7	59.3	73.2	74.9	73.0	67.6	54.6	40.4	24.3	50.7
2009	18.5	31.3	42.5	50.9	62.2	72.4	70.7	70.5	66.3	49.3	46.6	27.8	50.8
2010	19.7	24.3	44.7	59.1	63.1	74.3	77.9	76.9	66.9	55.7	43.2	23.3	52.4
2011	20.9	28.4	41.1	52.3	62.4	72.0	80.7	75.6	63.0	55.2	44.9	35.4	52.7
2012	31.0	34.4	55.4	54.6	67.5	73.1	82.4	73.8	64.4	51.6	41.0	35.4	55.4
2013	27.9	28.9	34.1	50.1	64.0	71.6	74.3	74.8	70.2	54.9	37.9	24.6	51.1
2014	18.2	17.9	34.6	53.2	65.8	74.5	72.2	75.8	66.3	55.5	36.0	33.5	50.3
2015	25.9	18.7	40.8	55.9	66.5	74.1	76.4	74.5	73.5	58.3	47.9	41.1	54.5
POR= 123 YRS	24.4	27.5	39.4	51.2	62.3	71.5	75.9	73.9	66.2	54.5	40.6	28.9	51.4

**HEATING DEGREE DAYS (base 65°F) 2015 PEORIA (KPIA)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1987-88	0	16	68	520	609	1001	1306	1198	772	409	64	12	5975
1988-89	0	4	38	517	698	1090	958	1290	796	442	231	25	6089
1989-90	0	3	134	317	749	1509	929	871	672	475	226	16	5901
1990-91	8	3	99	409	589	1148	1341	909	683	285	86	0	5560
1991-92	0	0	143	347	863	1017	1078	847	698	444	180	19	5636
1992-93	0	23	109	367	748	1094	1159	1110	878	450	96	48	6082
1993-94	0	0	135	408	761	1035	1448	1078	734	371	157	12	6139
1994-95	0	8	67	282	602	932	1258	1022	687	466	207	7	5538
1995-96	2	0	133	332	911	1154	1328	1041	954	499	210	28	6592
1996-97	2	0	97	338	930	1120	1412	922	723	530	252	18	6344
1997-98	5	3	54	364	802	1051	1088	707	793	381	50	44	5342
1998-99	0	0	19	297	587	975	1300	806	823	333	91	18	5249
1999-00	0	0	102	330	529	1031	1214	814	566	394	103	22	5105
2000-01	0	0	92	252	818	1507	1256	1013	881	248	120	36	6223
2001-02	1	0	102	371	444	938	981	856	853	419	225	5	5195
2002-03	0	0	38	459	788	1013	1322	1133	770	358	149	45	6075
2003-04	0	2	107	328	655	986	1295	1005	641	344	100	11	5474
2004-05	0	29	30	326	625	1048	1173	833	800	292	174	0	5330
2005-06	0	0	30	317	642	1264	843	978	721	266	170	18	5249
2006-07	0	0	88	470	614	951	1135	1261	546	463	46	0	5574
2007-08	0	0	32	219	694	1117	1222	1170	799	402	202	0	5857
2008-09	0	0	37	334	734	1256	1436	937	690	427	122	13	5986
2009-10	3	14	36	477	544	1149	1398	1133	622	203	145	0	5724
2010-11	0	0	45	292	648	1286	1360	1019	733	388	183	0	5954
2011-12	0	0	134	312	594	913	1046	880	331	315	58	10	4593
2012-13	0	0	104	413	717	912	1141	1006	952	447	121	18	5831
2013-	4	1	27	346	804	1244							
2013-14	4	1	27	346	804	1244	1442	1311	934	354	119	0	6586
2014-15	2	0	76	298	865	968	1206	1291	743	274	87	7	5817
2015-	5	0	16	229	507	731							

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**COOLING DEGREE DAYS (base 65°F) 2015 PEORIA (KPIA)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1986	0	0	15	30	68	234	392	157	161	6	0	0	1063
1987	0	0	0	19	166	278	440	293	92	0	3	0	1291
1988	0	0	0	2	84	266	431	428	140	5	0	0	1356
1989	0	0	2	20	56	177	324	240	57	11	0	0	887
1990	0	0	9	34	8	204	251	230	138	9	0	0	883
1991	0	0	4	16	189	296	331	293	159	11	0	0	1299
1992	0	0	0	1	62	171	237	140	90	6	0	0	707
1993	0	0	0	2	60	218	350	321	33	6	0	0	990
1994	0	0	0	25	61	300	307	218	123	16	0	0	1050
1995	0	0	0	0	6	225	355	453	73	5	0	0	1117
1996	0	0	0	0	63	217	224	267	88	5	0	0	864
1997	0	0	0	0	12	199	334	210	94	59	0	0	908
1998	0	0	9	0	114	222	337	318	187	10	0	0	1197
1999	0	0	0	2	68	233	414	197	82	8	0	0	1004
2000	0	0	2	0	92	155	262	345	146	25	4	0	1031
2001	0	0	0	38	89	184	372	307	78	4	0	0	1072
2002	0	0	0	46	45	287	445	322	157	26	0	0	1328
2003	0	0	0	13	22	147	311	338	70	8	0	0	909
2004	0	0	0	23	120	160	254	133	124	7	0	0	821
2005	0	0	0	14	48	338	406	350	236	40	0	0	1432
2006	0	0	0	13	101	215	427	310	71	36	0	0	1173
2007	0	0	7	14	128	244	283	417	217	70	0	0	1380
2008	0	0	0	10	31	250	313	256	119	19	0	0	998
2009	0	0	0	12	40	241	186	191	83	0	0	0	753
2010	0	0	0	30	94	288	406	376	110	12	0	0	1316
2011	0	0	0	12	112	213	496	336	80	16	0	0	1265
2012	0	0	41	10	142	261	547	277	90	6	0	0	1374
2013	0	0	0	9	98	223	300	312	192	40	0	0	1174
2014	0	0	0	6	152	292	232	342	123	9	0	0	1156
2015	0	0	0	11	143	288	368	302	275	29	3	0	1419

**SNOWFALL (inches) 2015 PEORIA (KPIA)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1987-88	0.0	0.0	0.0	T	0.3	9.8	1.9	9.7	1.9	0.0	0.0	0.0	23.6
1988-89	0.0	0.0	0.0	0.0	0.7	4.7	0.3	15.2	T	0.9	T	0.0	21.8
1989-90	0.0	0.0	0.0	0.6	T	10.5	4.8	6.2	T	T	0.0	0.0	22.1
1990-91	T	0.0	0.0	T	T	3.8	9.8	1.0	6.9	0.0	0.0	0.0	21.5
1991-92	0.0	0.0	0.0	T	3.6	5.1	6.4	0.4	4.1	T	0.0	0.0	19.6
1992-93	0.0	0.0	T	T	0.7	6.1	6.8	12.4	3.5	0.7	0.0	0.0	30.2
1993-94	0.0	0.0	0.0	T	3.6	2.4	9.4	12.6	T	0.1	0.0	0.0	28.1
1994-95	0.0	0.0	0.0	0.0	T	0.5	3.8	2.8	0.7	T	T	0.0	7.8
1995-96	0.0	0.0	0.0	0.0	0.2	3.6	5.9	1.9	1.1	0.5	0.0	0.0	13.2
1996-97	0.0	0.0	0.0								0.0		
1997-98		0.0		T	1.9	13.0	7.1	T	7.3	T	0.0	0.0	
1998-99	0.0	0.0	0.0	0.0	0.5	5.2	18.1	1.0	6.9	T	T	0.0	31.7
1999-00	0.0	0.0	0.0	0.0	0.0	4.7	8.8	0.6	T	T	T	T	14.1
2000-01	0.0	0.0	0.0	0.0	T	21.2	5.1	1.8	2.1	T	0.0	0.0	30.2
2001-02	0.0	0.0	0.0	0.0	T	0.4	2.4	1.4	7.5	T	0.0	T	11.7
2002-03	0.0	0.0	0.0	0.0	T	3.3	6.3	7.9	1.3	0.4	T	0.0	19.2
2003-04	0.0	0.0	0.0	0.0	T	7.3	8.4	4.1	3.4	0.0	0.0	0.0	23.2
2004-05	0.0	0.0	0.0	0.0	7.9	T	6.2	2.1	1.6	0.0	0.0	0.0	17.8
2005-06	0.0	0.0	0.0	0.0	T	11.3	1.0	T	6.0	0.0	0.0	0.0	18.3
2006-07	0.0	0.0	0.0	0.0	1.3	7.5	2.2	13.3	T	T	0.0	0.0	24.3
2007-08	0.0	0.0	0.0	0.0	T	10.5	6.2	17.0	T	T	0.0	0.0	33.7
2008-09	0.0	0.0	0.0	T	4.6	5.3	12.9	3.5	4.9	1.8	0.0	0.0	33.0
2009-10	0.0	0.0	0.0	0.0	T	14.6	8.6	18.3	0.9	0.0	0.0	0.0	42.4
2010-11	0.0	0.0	0.0	0.0	T	19.2	12.4	20.9	T	T	0.0	0.0	52.5
2011-12	0.0	0.0	0.0	0.0	T	0.6	7.9	1.9	1.1	0.0	0.0	0.0	11.5
2012-13	0.0	0.0	0.0	0.0	T	3.2	0.4	8.3	10.8	T	0.0	0.0	22.7
2013-	0.0	0.0	0.0	T	0.6	8.5							
2013-14	0.0	0.0	0.0	T	0.6	8.5	18.2	22.9	7.1	0.3	0.0	0.0	57.6
2014-15	0.0	0.0	0.0	T	1.3	T	10.2	12.8	2.7	0.0	0.0	0.0	27.0
2015-	0.0	0.0	0.0	0.0	4.6	2.5							
POR= 111 YRS	T	0.0	T	0.1	1.6	5.4	6.7	5.7	3.8	0.8	T	T	24.1

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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: <a href="http://www.ncdc.noaa.gov/homr/">http://www.ncdc.noaa.gov/homr/</a> SNOWFALL STOPPED MONTH &amp; YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p><b>NOTE:</b> 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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# 2015 PEORIA ILLINOIS (KPIA)

The airport station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good. The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

June and September are usually the most pleasant months of the year. Then during October or the first of November, Indian Summer is often experienced with an extended period of warm, dry weather.

Precipitation is normally heaviest during the growing season and lowest during midwinter.

The earliest snowfalls have occurred in September and the latest in the spring have occurred as late as May. Heavy snowfalls have rarely exceeded 20 inches.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 20 and the average last occurrence in the spring is April 24.

# Station History

PEORIA, IL

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
PEORIA GREATER PEORIA AP	1959-10-01	1970-01-01	40° 40'	-89° 40'	669		AIRWAYS, COOP
PEORIA GREATER PEORIA AP	1995-10-01	2002-02-08	40° 40'	-89° 41'	652		ASOS, COOP, WXSVC
PEORIA GREATER PEORIA AP	1934-09-01	1935-03-01	40° 40'	-89° 40'			AIRWAYS
PEORIA MUNICIPAL AP	1948-01-01	1959-01-01	40° 40'	-89° 40'	659		AIRWAYS, COOP
PEORIA MUNICIPAL AP	1959-01-01	1959-10-01	40° 40'	-89° 40'	669		AIRWAYS, COOP
PEORIA GREATER PEORIA AP	1970-01-01	1973-01-01	40° 40'	-89° 40'	682		AIRWAYS, COOP
PEORIA GREATER PEORIA AP	1980-01-01	1987-10-28	40° 40'	-89° 40'	652		COOP, WXSVC
PEORIA GREATER PEORIA AP	1973-01-01	1980-01-01	40° 40'	-89° 40'	682		COOP, WXSVC
PEORIA GREATER PEORIA AP	2002-02-08	2005-03-01	40° 40'	-89° 41'	650		ASOS, COOP, WXSVC
PEORIA MUNICIPAL AP	1935-03-01	1948-01-01	40° 40'	-89° 40'			AIRWAYS
PEORIA GREATER PEORIA AP	1987-10-28	1995-10-01	40° 40'	-89° 40'	650		COOP, WXSVC
PEORIA INTERNATIONAL AP	2015-09-24	Present	40° 40'	-89° 41'	650		AIRSAMPLE, ASOS, COOP, WXSVC
PEORIA GREATER PEORIA AP	2005-03-01	2006-12-24	40° 40'	-89° 41'	650		ASOS, COOP, WXSVC
PEORIA GREATER PEORIA AP	2006-12-24	2015-09-24	40° 40'	-89° 41'	650		AIRSAMPLE, ASOS, COOP, WXSVC

# Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
PRECIP	1980-05-22	1995-10-01	DAILY	2400	SRG		
TEMP	1995-10-01	1999-06-01	DAILY	2400	MXMN		
PRECIP	1995-10-01	1999-06-01	HOURLY	2400	UNIV	RCRD	
PRECIP	2006-12-24	2011-06-01	DAILY	2400	PCPNX		
SNOWWTREQ	2011-06-01	2013-04-08	DAILY	NOON	SNSRG		
SNOWFALL	2015-09-24	Present	DAILY	2400	SNOWBOARD		
PRECIP	1980-05-22	1995-10-01	HOURLY	2400	UNIV	RCRD	
TEMP	1999-06-01	2002-02-08	DAILY	2400	HYGR		
SNOWWTREQ	2006-09-18	2006-12-24	DAILY	1200	SNSRG		
TEMP	2013-04-08	2015-09-24	DAILY	2400	ATEMP		
SNOWDPH	2015-09-24	Present	DAILY	2400	SNOWSTICK		
SNOWDPH	2015-09-24	Present	DAILY	2400	SNOWBOARD		
SNOWFALL	2015-09-24	Present	DAILY	2400	SNOWSTICK		
PRECIP	1959-10-01	1974-06-10	HOURLY	2400			
PRECIP	1959-10-01	1974-06-10	DAILY	UNKN			
WIND	1995-10-01	1999-06-01	HOURLY	UNKN	ANEMCUP		
TEMP	2002-02-08	2005-03-01	DAILY	2400	ATEMP		
PRECIP	2005-03-01	2006-09-18	HOURLY	2400	AWPAG	RCRD;HTD	
SNOWDPH	2005-03-01	2006-09-18	DAILY	0600	SNOWSTICK		
TEMP	2011-06-01	2013-04-08	DAILY	2400	ATEMP		
WIND	2011-06-01	2013-04-08	HOURLY	UNKN	ANEMSONIC		
PRECIP	2013-04-08	2015-09-24	HOURLY	2400	AWPAG	SHLD;RCRD;HTD	
PRECIP	1974-06-10	1980-05-22	HOURLY	2400			
WIND	1999-06-01	2002-02-08	HOURLY	UNKN	ANEMCUP		
WIND	2002-02-08	2005-03-01	HOURLY	UNKN	ANEMCUP		
TEMP	2005-03-01	2006-09-18	DAILY	2400	ATEMP		
WIND	2006-09-18	2006-12-24	HOURLY	UNKN	ANEMSONIC		
TEMP	2006-09-18	2006-12-24	DAILY	2400	ATEMP		
PRECIP	2015-09-24	Present	HOURLY	2400	AWPAG	SHLD;RCRD;HTD	
TEMP	1934-09-01	1959-10-01	DAILY	UNKN			
TEMP	1974-06-10	1980-05-22	DAILY	2400			
PRECIP	1995-10-01	1999-06-01	DAILY	2400	SRG		
PRECIP	1999-06-01	2002-02-08	HOURLY	2400	TB	RCRD	
PRECIP	2002-02-08	2005-03-01	DAILY	2400	PCPNX		
PRECIP	2002-02-08	2005-03-01	HOURLY	2400	AHTB	RCRD;HTD	
SNOWDPH	2006-12-24	2011-06-01	DAILY	2400	SNOWSTICK		
SNOWDPH	2006-12-24	2011-06-01	DAILY	0600	SNOWSTICK		
TEMP	2015-09-24	Present	DAILY	2400	ATEMP		

Element History continued on next page. Also see Station Metadata link below for complete history.

\* 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>

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2

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NOAA/National Centers for Environmental Information

Attn: User Engagement & Services Branch

151 Patton Avenue

Asheville, NC 28801-5001

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# Element History

PEORIA, IL

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment	Equipment Modifications	Equipment Exposure
PRECIP	1934-09-01	1959-10-01	DAILY	UNKN			
WIND	2005-03-01	2006-09-18	HOURLY	UNKN	ANEMCUP		
PRECIP	2006-09-18	2006-12-24	DAILY	2400	PCPNX		
SNOWDPH	2006-09-18	2006-12-24	DAILY	0600	SNOWSTICK		
SNOWWTREQ	2006-12-24	2011-06-01	DAILY	1200	SNSRG		
WIND	2006-12-24	2011-06-01	HOURLY	UNKN	ANEMSONIC		
SNOWDPH	2011-06-01	2013-04-08	DAILY	2400	SNOWSTICK		
SNOWDPH	2013-04-08	2015-09-24	DAILY	0600	SNOWSTICK		
WIND	2013-04-08	2015-09-24	HOURLY	UNKN	ANEMSONIC		
SNOWWTREQ	2015-09-24	Present	DAILY	2400	SRG-STN		
PRECIP	2015-09-24	Present	DAILY	2400	PCPNX	SHLD	
PRECIP	1934-09-01	1959-10-01	HOURLY	UNKN			
PRECIP	1974-06-10	1980-05-22	DAILY	2400			
TEMP	1980-05-22	1995-10-01	DAILY	2400	MXMN		
PRECIP	1999-06-01	2002-02-08	DAILY	2400	TB	RCRD	
SNOWWTREQ	2005-03-01	2006-09-18	DAILY	1200	SNSRG		
PRECIP	2006-09-18	2006-12-24	HOURLY	2400	AWPAG	RCRD;HTD	
SNOWDPH	2011-06-01	2013-04-08	DAILY	0600	SNOWSTICK		
PRECIP	2011-06-01	2013-04-08	DAILY	2400	PCPNX		
PRECIP	2013-04-08	2015-09-24	DAILY	2400	PCPNX	SHLD	
SNOWDPH	2013-04-08	2015-09-24	DAILY	2400	SNOWSTICK		
TEMP	1959-10-01	1974-06-10	DAILY	UNKN			
PRECIP	2005-03-01	2006-09-18	DAILY	2400	PCPNX		
TEMP	2006-12-24	2011-06-01	DAILY	2400	ATEMP		
PRECIP	2006-12-24	2011-06-01	HOURLY	2400	AWPAG	RCRD;HTD	
PRECIP	2011-06-01	2013-04-08	HOURLY	2400	AWPAG	RCRD;HTD	
SNOWWTREQ	2013-04-08	2015-09-24	DAILY	NOON	SNSRG		
SNOWFALLEQ	2015-09-24	Present	DAILY	2400	SRG-STN		