

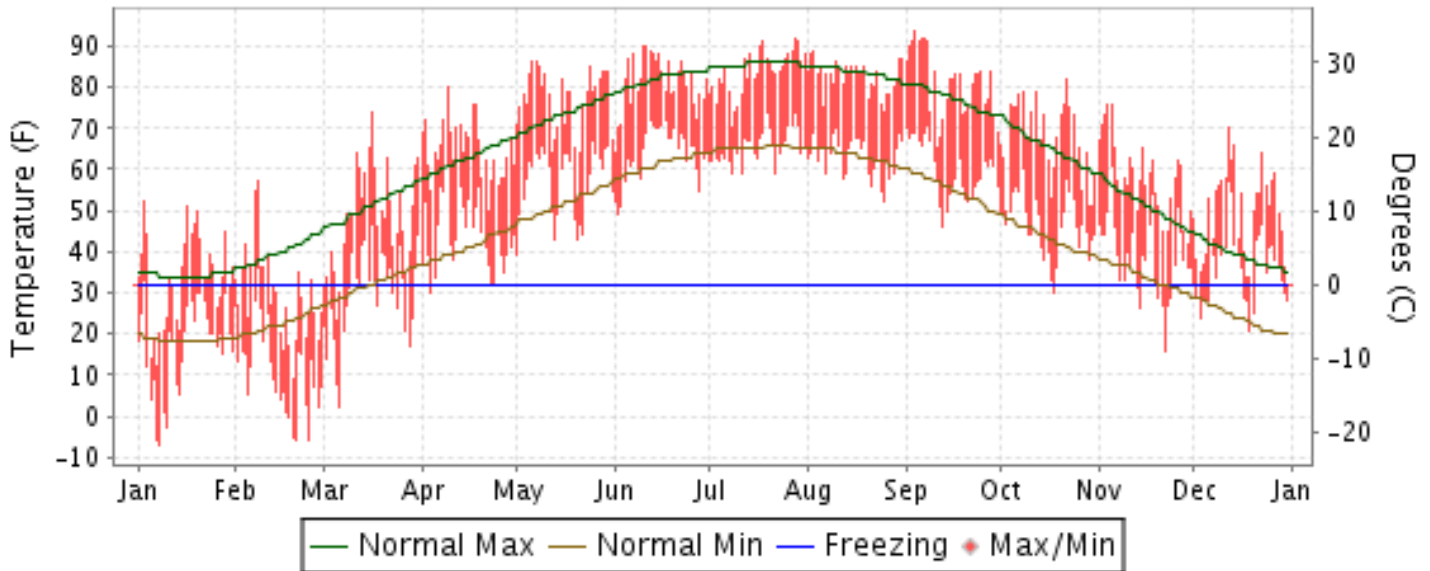


2015 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

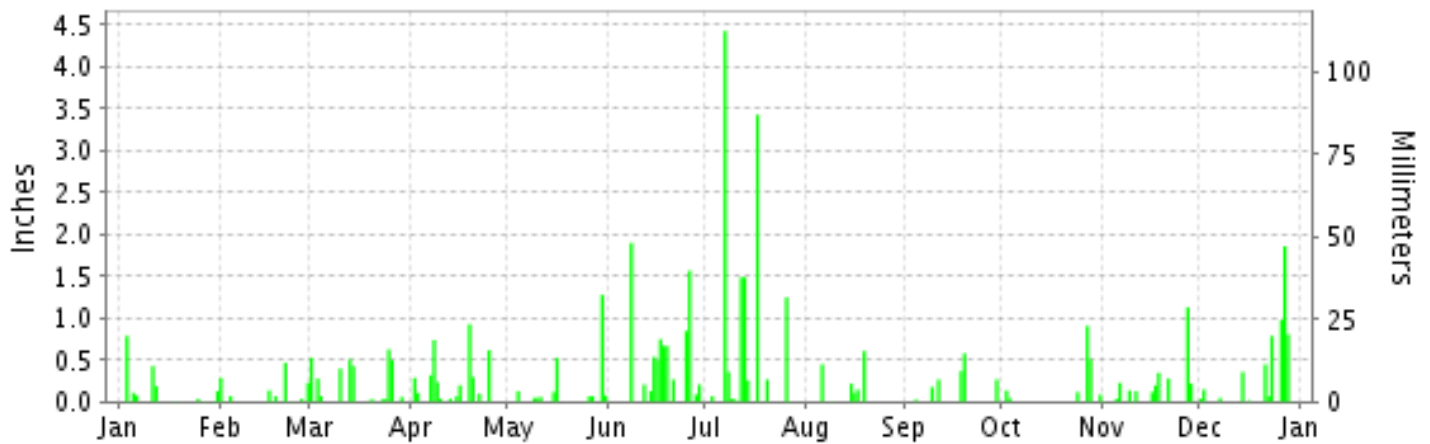
ISSN 0198-1986

INDIANAPOLIS, INDIANA (KIND)

Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CENTERS for ENVIRONMENTAL INFORMATION (NCEI) ASHEVILLE, NORTH CAROLINA

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METEOROLOGICAL DATA FOR 2015

INDIANAPOLIS (KIND)

LATITUDE: 39° 43'N LONGITUDE: 86° 16'W ELEVATION (FT): GRND: 790 BARO: 797 TIME ZONE: EASTERN (UTC -5) WBAN: 93819

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	33.7	29.5	48.7	64.8	76.6	81.2	83.6	82.5	81.0	67.3	57.4	49.3	63.0	
	HIGHEST DAILY MAXIMUM	52	57	74	80	86	90	92	89	94	82	76	70	94	
	DATE OF OCCURRENCE	03	08	16	09	07+	11+	28	03	04	22	05+	12	SEP 04	
	MEAN DAILY MINIMUM	16.8	11.0	29.8	44.1	57.0	63.9	65.6	63.2	60.1	46.6	38.6	35.9	44.4	
	LOWEST DAILY MINIMUM	-7	-6	2	30	39	49	59	52	46	30	16	21	-7	
	DATE OF OCCURRENCE	08	24+	06	04	01	02	22+	25	13	18	22	19	JAN 08	
	AVERAGE DRY BULB	25.3	20.2	39.2	54.5	66.8	72.6	74.6	72.9	70.5	57.0	48.0	42.6	53.7	
	MEAN WET BULB	23.2	18.3	34.7	47.4	59.0	66.0	67.6	65.0	62.2	49.7	42.8	39.6	48.0	
	MEAN DEW POINT	18.5	11.6	27.5	39.1	53.3	62.2	63.6	60.4	56.7	42.6	36.2	36.0	42.3	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	0	2	4	0	7	0	0	0	0	13
	MAXIMUM <= 32°	12	17	3	0	0	0	0	0	0	0	1	1	1	34
MINIMUM <= 32°	30	27	16	3	0	0	0	0	0	1	8	12	97		
MINIMUM <= 0°	3	4	0	0	0	0	0	0	0	0	0	0	0	7	
H/C	HEATING DEGREE DAYS	1224	1249	790	313	79	16	0	2	19	258	508	685	5143	
	COOLING DEGREE DAYS	0	0	0	6	142	251	304	252	191	14	4	0	1164	
RH	MEAN (PERCENT)	76	68	66	60	65	72	71	67	65	63	67	79	68	
	HOUR 01 LST	82	73	73	67	75	82	81	79	78	72	73	81	76	
	HOUR 07 LST	84	77	75	68	71	78	78	77	79	76	77	85	77	
	HOUR 13 LST	65	59	55	50	54	62	59	52	47	48	53	73	56	
	HOUR 19 LST	76	66	64	55	60	68	67	63	61	59	64	78	65	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	0	2	3	2	1	1	0	0	0	1	1	3	14	
	THUNDERSTORMS	0	0	1	6	5	12	8	4	4	0	1	3	44	
PR	MEAN STATION PRESS. (IN.)	29.29	29.28	29.27	29.09	29.22	29.09	29.09	29.14	29.20	29.21	29.26	29.14	29.19	
	MEAN SEA-LEVEL PRESS. (IN.)	30.19	30.19	30.16	29.96	30.08	29.94	29.93	30.00	30.05	30.07	30.13	30.02	30.06	
WINDS	RESULTANT SPEED (MPH)	4.3	4.2	1.5	1.6	4.5	3.6	1.3	2.3	0.4	0.7	3.5	4.2	2.1	
	RES. DIR. (TENS OF DEGS.)	26	29	31	24	20	23	26	23	09	30	20	21	24	
	MEAN SPEED (MPH)	10.2	11.0	9.7	10.7	9.7	9.3	7.5	7.4	7.7	10.4	10.3	10.4	9.5	
	PREVAIL.DIR.(TENS OF DEGS.)	24	23	25	14	19	21	03	21	22	04	13	25	19	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	33	38	28	38	48	35	36	25	24	32	37	38	48	
	DIR. (TENS OF DEGS.)	21	31	19	25	19	30	25	27	19	29	13	23	19	
	DATE OF OCCURRENCE	17	14	29	21	30	21	13	20	08	28	18	23	MAY 30	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	40	51	36	49	58	50	52	30	31	39	50	46	58	
DIR. (TENS OF DEGS.)	21	31	17	25	19	21	30	26	23	28	25	23	19		
DATE OF OCCURRENCE	17	14	29	21	30	18	13	20	19	28	12	23	MAY 30		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	1.81	1.34	3.53	4.00	2.45	8.36	13.14	1.55	1.70	1.82	2.86	5.59	48.15	
	GREATEST 24-HOUR (IN.)	0.79	0.47	0.90	1.22	1.36	1.90	4.51	0.61	0.89	1.29	1.26	2.60	4.51	
	DATE OF OCCURRENCE	03	21	13-14	19-20	30-31	08	07-08	19	18-19	27-28	27-28	26-27	JUL 07-08	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	11	10	13	13	11	13	13	6	6	6	12	12	126		
PRECIPITATION 0.10	5	4	7	10	4	12	8	5	5	4	9	7	80		
PRECIPITATION 1.00	0	0	0	0	1	2	5	0	0	0	1	1	10		
SNOWFALL	SNOW,ICE PELLETS,HAIL	3.1	13.8	5.9	T	0.0	T	T	0.0	0.0	0.0	1.3	0.6	24.7	
	TOTAL (IN.)	1.4	5.3	5.9	T	0.0	T	T	0.0	0.0	0.0	1.3	0.6	5.9	
	GREATEST 24-HOUR (IN.)	06	21	01	08		18	13				21	02	MAR 01	
	DATE OF OCCURRENCE	2	7	11	0	0	0	0	0	0	0	1	1	11	
	MAXIMUM SNOW DEPTH (IN.)	06	22	02+								22	03	MAR 02+	
	DATE OF OCCURRENCE														
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0	1	6	1	0	0	0	0	0	0	0	1	0	9		

NORMALS, MEANS, AND EXTREMES INDIANAPOLIS (KIND)

LATITUDE: 39° 43'N **LONGITUDE:** 86° 16'W **ELEVATION (FT):** GRND: 790 BARO: 797 **TIME ZONE:** EASTERN (UTC -5) **WBAN: 93819**

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	35.6	40.2	51.7	63.4	72.8	81.9	85.0	84.0	77.6	65.3	52.2	38.9	62.4
	MEAN DAILY MAXIMUM	73	35.4	39.2	50.7	63.1	73.2	81.9	85.3	84.0	77.5	66.0	51.3	39.3	62.2
	HIGHEST DAILY MAXIMUM	77	71	76	85	89	93	104	105	102	100	91	81	71	105
	YEAR OF OCCURRENCE		1950	2000	1981	1970	1988	2012	2012	1988	2011	2007	1950	1950	JUL 2012
	MEAN OF EXTREME MAXS.	84	57.7	61.9	74.1	81.6	86.9	92.3	93.8	92.6	90.3	82.1	71.1	61.3	78.8
	NORMAL DAILY MINIMUM	30	20.5	23.9	32.8	42.7	52.6	62.1	65.8	64.4	56.2	44.7	35.1	24.4	43.8
	MEAN DAILY MINIMUM	73	19.4	22.2	31.7	41.9	52.2	61.4	65.3	63.5	55.6	44.2	33.8	24.3	43.0
	LOWEST DAILY MINIMUM	77	-27	-21	-7	16	28	-27	44	41	28	17	-2	-27	-27
	YEAR OF OCCURRENCE		1994	1982	1980	1940	1966	1994	1942	1965	1942	1942	1958	1994	DEC 1994
	MEAN OF EXTREME MINS.	84	-3.1	1.8	13.1	26.3	36.8	47.9	54.2	52.5	40.3	28.8	17.7	3.6	26.7
	NORMAL DRY BULB	30	28.1	32.1	42.2	53.0	62.7	72.0	75.4	74.2	66.9	55.0	43.6	31.6	53.1
	MEAN DRY BULB	73	27.4	30.7	41.2	52.5	62.7	71.8	75.3	73.8	66.5	55.1	42.5	31.8	52.6
	MEAN WET BULB	31	24.9	27.2	35.4	45.0	55.2	63.6	67.0	65.9	58.8	47.7	37.8	29.1	46.5
	MEAN DEW POINT	31	23.2	25.1	33.2	43.0	53.4	62.2	66.0	65.1	57.5	46.1	36.4	27.5	44.9
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	0.1	2.7	5.2	5.0	1.5	0.1	0.0	0.0	14.6
	MAXIMUM <= 32	30	11.6	6.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	8.1	28.6
MINIMUM <= 32	30	25.4	21.8	15.3	3.8	0.2	0.0	0.0	0.0	0.0	2.3	11.8	23.0	103.6	
MINIMUM <= 0	30	2.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.1	
H/C	NORMAL HEATING DEG. DAYS	30	1145	922	707	372	140	16	1	3	71	326	641	1034	5378
	NORMAL COOLING DEG. DAYS	30	0	0	2	13	69	226	323	288	128	16	1	0	1066
RH	NORMAL (PERCENT)	30	77	75	70	67	68	70	73	76	74	72	75	79	73
	HOURLY 01 LST	30	80	78	75	74	77	81	84	87	85	81	80	81	80
	HOURLY 07 LST	30	82	82	80	79	82	83	87	91	91	87	84	84	84
	HOURLY 13 LST	30	72	68	61	56	56	57	59	61	58	57	66	72	62
	HOURLY 19 LST	30	75	71	65	59	58	59	63	67	66	65	72	77	66
S	PERCENT POSSIBLE SUNSHINE	52	40	49	50	54	60	40	66	68	65	61	41	40	53
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	52	2.8	2.1	1.4	0.5	0.7	0.7	0.8	1.2	1.2	1.1	1.2	2.2	15.9
	THUNDERSTORMS	68	0.8	0.8	2.7	4.5	6.4	7.7	7.5	5.9	3.5	1.8	1.1	0.5	43.2
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH: CLEAR														
	PARTLY CLOUDY CLOUDY														
PR	MEAN STATION PRESSURE(IN)	32	29.22	29.21	29.18	29.10	29.12	29.11	29.15	29.17	29.19	29.20	29.22	29.23	29.18
	MEAN SEA-LEVEL PRES. (IN)	32	30.12	30.10	30.06	29.97	29.98	29.96	29.99	30.02	30.05	30.07	30.10	30.12	30.05
WINDS	MEAN SPEED (MPH)	32	10.9	10.7	11.1	11.1	9.5	8.4	7.6	7.2	7.9	9.0	10.3	10.3	9.5
	PREVAIL.DIR.(TENS OF DEGS)	45	25	25	25	24	24	24	24	23	21	25	24	25	24
	MAXIMUM 2-MINUTE: SPEED (MPH)	20	44	48	48	52	60	47	49	53	49	44	49	45	60
	DIR. (TENS OF DEGS)		26	22	17	29	19	27	33	27	29	24	22	25	19
	YEAR OF OCCURRENCE		2008	2009	2012	2006	2009	2009	2014	2009	2008	2013	2013	2009	MAY 2009
	MAXIMUM 3-SECOND SPEED (MPH)	20	58	60	62	85	70	58	71	67	63	58	67	58	85
	DIR. (TENS OF DEGS)		25	23	25	28	19	24	31	27	28	23	22	25	28
	YEAR OF OCCURRENCE		2008	2009	2002	2006	2009	2010	2014	2009	2008	2013	2013	2009	APR 2006
PRECIPITATION	NORMAL (IN)	30	2.66	2.32	3.56	3.81	5.05	4.25	4.55	3.13	3.12	3.12	3.70	3.17	42.44
	MAXIMUM MONTHLY (IN)	77	12.69	5.35	10.74	8.59	10.10	12.69	13.14	8.34	10.37	8.36	8.50	12.69	13.14
	YEAR OF OCCURRENCE		1950	1971	1963	2013	1943	1950	2015	1980	2003	1941	1985	1950	JUL 2015
	MINIMUM MONTHLY (IN)	77	0.21	0.36	0.64	0.98	1.06	0.09	0.47	0.37	0.24	0.17	0.69	0.21	0.09
	YEAR OF OCCURRENCE		1944	1978	2001	1976	1988	2012	2011	2010	1963	1963	1999	1944	JUN 2012
	MAXIMUM IN 24 HOURS (IN)	77	3.47	2.50	3.05	3.11	3.80	3.58	5.32	4.72	7.31	3.90	4.15	3.47	7.31
	YEAR OF OCCURRENCE		1950	1977	1963	2011	2004	2010	1987	1976	2003	1959	1993	1950	SEP 2003
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	12.1	10.0	11.9	12.0	13.1	11.1	10.5	8.5	8.1	8.6	10.8	12.5	129.2
	PRECIPITATION >= 1.00	30	0.4	0.4	0.8	0.8	1.3	1.1	1.4	0.9	0.8	0.8	1.0	0.6	10.3
SNOWFALL	NORMAL (IN)	30	8.6	6.5	2.6	0.2	0.0	0.0	0.0	0.0	0.0	0.4	0.7	6.9	25.9
	MAXIMUM MONTHLY (IN)	85	30.6	21.7	14.5	4.0	0.2	30.6	T	T	T	9.3	8.3	30.6	30.6
	YEAR OF OCCURRENCE		1978	2003	2013	1940	1989	1978	2015	1989	2012	1989	1966	1978	DEC 1978
	MAXIMUM IN 24 HOURS (IN)	74	12.2	12.5	11.3	3.1	0.2	12.2	T	T	T	7.5	8.2	12.2	12.5
	YEAR OF OCCURRENCE		1978	1965	1996	1953	1989	1978	2015	1989	2012	1989	1966	1978	FEB 1965
	MAXIMUM SNOW DEPTH (IN)	68	20	15	11	3	0	20	0	0	0	2	8	20	20
	YEAR OF OCCURRENCE		1978	1978	2015	1953		1978				1989	1966	1978	DEC 1978
	NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	2.5	2.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	2.2	7.8

PRECIPITATION (inches) 2015 INDIANAPOLIS (KIND)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1986	0.73	2.84	3.93	4.34	7.37	3.58	4.88	1.18	5.68	7.84	2.32	1.71	46.40
1987	1.55	1.28	1.84	2.68	1.77	4.11	9.22	0.86	1.41	1.36	2.60	4.77	33.45
1988	2.35	3.04	3.22	4.02	1.06	0.36	4.71	1.46	1.14	3.07	4.39	2.50	31.32
1989	1.75	1.32	3.72	4.32	5.79	3.80	6.15	8.05	8.06	2.92	2.79	1.90	50.57
1990	1.79	5.17	3.93	2.44	7.59	3.11	3.68	4.46	2.68	4.64	3.23	7.72	50.44
1991	1.59	1.94	6.41	4.34	4.64	0.91	2.17	3.54	1.12	5.47	3.95	1.45	37.53
1992	1.40	1.15	2.61	4.17	1.56	4.07	11.79	1.42	3.40	2.84	7.88	1.89	44.18
1993	3.29	2.31	3.72	3.75	2.76	5.15	4.94	6.42	5.69	2.25	8.30	2.18	50.76
1994	2.68	1.39	0.92	5.62	2.03	7.00	1.27	2.59	2.19	0.86	3.40	1.66	31.61
1995	2.44	0.90	2.99	2.79	7.37	3.49	2.61	4.16	1.27	2.08	2.64	2.72	35.46
1996	4.08	1.16	3.51	7.02	8.89	5.16	6.26	2.27	7.61	1.88	6.22	2.75	56.81
1997	4.47	3.92	4.59	1.97	4.93	3.17	0.55	2.96	1.51	1.55	1.94	1.33	32.89
1998	2.51	1.23	5.49	4.84	6.13	10.26	3.97	3.66	0.48	4.89	2.52	1.00	46.98
1999	6.35	3.57	1.71	4.09	3.75	2.57	2.96	1.50	0.75	1.82	0.69	2.61	32.37
2000	2.07	2.86	1.64	3.80	5.00	4.55	2.95	4.26	4.82	3.08	2.67	2.76	40.46
2001	0.74	1.95	0.64	1.82	4.10	4.46	8.34	2.47	4.66	7.01	2.69	3.01	41.89
2002	2.48	1.67	4.22	5.47	7.46	3.11	1.65	1.42	3.70	2.64	2.89	3.02	39.73
2003	1.27	3.45	3.72	2.55	6.39	2.36	8.01	4.64	10.37	2.68	3.64	3.48	52.56
2004	4.65	0.77	4.33	1.54	8.55	4.44	7.72	4.73	0.75	4.31	5.14	1.95	48.88
2005	9.39	2.59	1.14	4.69	2.51	3.59	2.98	4.20	4.67	1.64	3.64	2.69	43.73
2006	3.30	1.89	6.79	3.63	4.34	5.63	3.98	3.01	3.53	5.45	4.25	5.24	51.04
2007	4.41	2.77	4.91	3.30	1.97	2.22	1.90	3.43	1.59	2.80	1.85	5.55	36.70
2008	2.14	4.34	7.49	1.54	5.54	8.00	6.58	1.83	2.04	1.97	1.97	5.58	49.02
2009	1.72	2.69	2.28	7.23	6.69	6.60	4.60	4.94	1.86	5.59	1.16	3.30	48.66
2010	1.22	0.97	3.09	2.97	4.43	9.73	2.87	0.37	0.56	1.32	4.46	1.86	33.85
2011	2.20	5.25	3.73	7.98	4.97	5.76	0.47	1.11	5.37	2.82	4.87	5.10	49.63
2012	3.48	1.38	4.14	3.36	2.70	0.09	0.83	6.51	7.73	3.87	1.33	2.58	38.00
2013	5.51	2.27	1.96	8.59	3.50	3.66	3.29	1.15	2.86	5.46	3.23	4.44	45.92
2014	2.34	2.45	2.38	5.39	4.87	7.04	3.10	2.95	2.53	3.17	2.80	2.55	41.57
2015	1.81	1.34	3.53	4.00	2.45	8.36	13.14	1.55	1.70	1.82	2.86	5.59	48.15
POR= 84 YRS	2.84	2.36	3.59	3.88	4.22	4.32	4.11	3.27	3.13	2.79	3.26	3.02	40.79

WBAN : 93819

AVERAGE TEMPERATURE (°F) 2015 INDIANAPOLIS (KIND)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1986	28.5	31.4	43.9	53.8	63.5	72.8	77.5	70.1	69.8	55.6	39.8	32.3	53.3
1987	27.6	35.5	44.5	52.5	68.1	73.7	75.8	73.6	68.1	48.6	46.3	35.8	54.2
1988	25.9	27.2	41.4	51.9	64.4	73.4	78.3	77.5	67.3	48.2	44.2	31.7	52.6
1989	36.3	27.2	42.5	51.4	59.4	71.4	75.7	71.8	64.4	55.4	40.9	18.8	51.3
1990	37.3	37.6	46.2	51.4	60.1	71.3	73.9	72.5	66.9	53.9	47.5	34.6	54.4
1991	26.9	35.3	43.7	55.3	68.3	74.6	76.7	75.2	67.9	57.5	40.2	35.7	54.8
1992	31.5	38.4	43.2	52.1	60.5	68.1	73.5	69.5	65.1	53.4	43.2	33.3	52.7
1993	31.6	27.4	39.1	50.7	63.5	71.0	77.2	75.3	62.2	51.6	42.2	32.4	52.0
1994	21.8	29.7	41.0	54.1	60.4	75.0	75.5	71.8	66.5	57.0	48.6	38.9	53.4
1995	28.6	30.0	45.0	51.9	61.6	72.8	76.6	79.6	64.7	55.7	37.0	28.6	52.7
1996	25.1	31.2	35.6	49.3	61.9	72.1	73.1	74.9	65.5	55.3	37.3	34.4	51.3
1997	24.3	36.0	43.0	48.3	56.7	69.6	75.4	71.6	66.1	54.6	39.0	33.4	51.5
1998	36.6	40.8	42.0	53.3	67.1	71.5	74.9	75.3	71.4	57.0	45.5	36.5	56.0
1999	28.5	37.5	38.4	54.9	64.3	73.7	79.2	72.4	67.1	55.2	48.8	34.6	54.6
2000	27.9	38.7	47.0	51.4	64.9	71.0	73.0	73.6	65.2	57.8	40.7	19.8	52.6
2001	28.0	34.6	38.4	58.5	64.4	70.2	74.4	75.4	65.1	54.3	49.5	38.2	54.3
2002	35.1	35.6	40.1	54.8	59.7	73.8	78.3	77.4	71.3	53.3	40.3	33.0	54.4
2003	21.7	25.4	43.3	54.6	61.1	68.2	74.1	74.9	64.6	54.5	47.3	34.4	52.0
2004	25.2	32.1	45.4	55.0	66.9	71.0	73.1	69.8	69.1	55.9	46.8	31.8	53.5
2005	30.7	36.3	38.3	55.0	60.2	74.8	76.4	76.6	70.5	56.3	44.5	27.1	53.9
2006	39.8	32.3	41.7	57.1	61.3	70.5	76.7	75.0	64.1	52.0	45.5	38.8	54.6
2007	32.5	19.7	49.0	50.8	68.1	74.2	74.3	80.0	71.7	62.1	43.4	34.1	55.0
2008	28.7	29.8	40.4	53.8	59.8	73.2	75.0	73.9	70.1	56.0	41.7	30.7	52.8
2009	23.0	33.9	47.3	53.9	63.6	73.4	70.9	73.0	68.5	51.6	47.4	31.1	53.1
2010	24.6	26.0	45.9	59.7	66.1	76.0	78.7	79.6	70.5	58.1	44.8	25.4	54.6
2011	23.9	33.4	43.7	55.8	63.8	73.7	82.1	76.9	66.0	55.7	48.7	37.8	55.1
2012	33.7	37.3	56.6	54.5	68.8	74.6	84.0	74.9	65.2	52.7	41.4	38.4	56.8
2013	29.9	30.9	35.5	52.6	65.4	72.0	73.9	74.9	69.5	54.6	39.2	29.9	52.4
2014	20.1	22.3	35.7	53.0	63.1	72.7	70.1	73.8	65.4	54.2	35.9	33.3	50.0
2015	25.3	20.2	39.2	54.5	66.8	72.6	74.6	72.9	70.5	57.0	48.0	42.6	53.7
POR= 73 YRS	27.4	30.7	41.2	52.5	62.7	71.8	75.3	73.8	66.5	55.1	42.5	31.8	52.6

HEATING DEGREE DAYS (base 65°F) 2015 INDIANAPOLIS (KIND)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1987-88	2	5	37	504	553	900	1205	1090	726	390	84	15	5511
1988-89	0	2	37	517	618	1024	882	1052	693	419	226	11	5481
1989-90	0	8	106	313	718	1426	851	760	588	432	153	19	5374
1990-91	4	1	86	348	518	932	1175	824	651	292	71	0	4902
1991-92	0	0	103	254	739	902	1035	766	670	390	185	34	5078
1992-93	2	7	88	353	645	973	1028	1046	796	424	103	35	5500
1993-94	0	1	129	409	680	1005	1332	984	738	336	192	3	5809
1994-95	0	4	61	256	483	805	1118	973	615	392	131	6	4844
1995-96	1	0	94	288	835	1125	1230	971	908	469	162	7	6090
1996-97	0	0	85	296	823	942	1254	807	676	494	261	30	5668
1997-98	3	5	47	366	772	973	876	670	720	344	48	44	4868
1998-99	0	0	14	257	579	878	1125	767	814	297	81	8	4820
1999-00	0	0	70	298	481	936	1143	755	553	401	83	18	4738
2000-01	0	0	101	237	724	1394	1141	845	816	246	100	31	5635
2001-02	5	0	91	331	457	826	919	819	764	348	211	5	4776
2002-03	0	0	22	389	731	983	1335	1101	666	320	144	45	5736
2003-04	0	0	89	328	528	942	1227	949	604	316	77	8	5068
2004-05	3	20	19	280	538	1024	1060	796	820	309	176	2	5047
2005-06	0	0	18	295	610	1165	774	910	716	248	187	10	4933
2006-07	0	0	84	415	579	807	997	1261	508	430	45	1	5127
2007-08	0	0	19	179	639	952	1118	1015	755	342	179	0	5198
2008-09	0	0	9	298	692	1055	1295	863	543	367	103	15	5240
2009-10	2	7	25	409	522	1043	1245	1082	586	190	94	0	5205
2010-11	0	0	19	230	601	1220	1269	878	660	276	151	0	5304
2011-12	0	0	82	297	482	837	961	797	299	317	29	15	4116
2012-13	0	0	88	377	698	818	1083	947	906	376	103	9	5405
2013-	3	5	26	346	764	1079							
2013-14	3	5	26	346	764	1079	1387	1187	899	357	153	2	6208
2014-15	4	2	73	335	865	974	1224	1249	790	313	79	16	5924
2015-	0	2	19	258	508	685							

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COOLING DEGREE DAYS (base 65°F) 2015 INDIANAPOLIS (KIND)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1986	0	0	6	12	74	249	395	189	181	24	0	0	1130
1987	0	0	0	6	156	265	343	279	137	0	0	0	1186
1988	0	0	1	3	72	274	422	395	114	2	0	0	1283
1989	0	0	1	20	57	215	338	227	94	21	0	0	973
1990	0	0	13	30	10	215	289	241	147	10	1	0	956
1991	0	0	0	7	178	294	367	323	196	30	0	0	1395
1992	0	0	0	10	53	137	274	152	99	1	0	0	726
1993	0	0	0	0	64	223	389	328	51	0	0	0	1055
1994	0	0	0	16	56	307	330	221	114	13	0	0	1057
1995	0	0	0	4	32	250	371	459	92	6	0	0	1214
1996	0	0	0	7	71	229	261	313	107	3	0	0	991
1997	0	0	0	0	12	178	327	217	87	49	0	0	870
1998	0	0	15	0	120	246	312	331	214	16	0	1	1255
1999	0	0	0	5	67	278	450	236	138	3	1	0	1178
2000	0	0	2	0	88	205	256	274	113	22	0	0	960
2001	0	0	0	60	90	194	302	328	101	6	0	0	1081
2002	0	0	0	48	53	274	419	392	218	33	0	0	1437
2003	0	0	0	17	27	149	287	314	83	9	3	0	889
2004	0	0	3	21	147	192	258	177	149	5	0	0	952
2005	0	0	0	15	34	304	361	367	189	36	0	0	1306
2006	0	0	0	20	78	178	367	319	65	18	0	0	1045
2007	0	0	18	11	150	285	297	470	223	97	0	0	1551
2008	0	0	0	14	24	252	317	283	168	28	0	0	1086
2009	0	0	0	38	67	274	192	261	136	0	0	0	968
2010	0	0	0	37	135	339	431	460	191	26	0	0	1619
2011	0	0	3	8	123	267	537	379	118	16	0	0	1451
2012	0	0	45	10	155	309	596	313	102	4	0	0	1534
2013	0	0	0	9	120	226	285	319	170	31	0	0	1160
2014	0	0	0	4	100	238	172	283	94	9	0	0	900
2015	0	0	0	6	142	251	304	252	191	14	4	0	1164

SNOWFALL (inches) 2015 INDIANAPOLIS (KIND)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1987-88	0.0	0.0	0.0	0.0	T	1.1	2.9	4.8	2.5	T	0.0	0.0	11.3
1988-89	0.0	0.0	0.0	T	0.4	6.8	0.1	2.4	1.9	1.7	0.2	0.0	13.5
1989-90	0.0	T	0.0	9.3	0.6	8.2	4.1	2.5	1.3	T	0.0	0.0	26.0
1990-91	0.0	0.0	0.0	0.0	0.0	9.6	5.4	2.4	0.1	0.0	T	0.0	17.5
1991-92	0.0	0.0	0.0	0.0	3.0	0.2	7.1	0.2	2.9	1.3	0.0	T	14.7
1992-93	0.0	0.0	0.0	0.1	1.4	3.7	3.1	17.2	3.0	T	0.0	0.0	28.5
1993-94	0.0	0.0	0.0	2.4	1.1	5.6	14.0	3.9	3.7	0.8	0.0	T	31.5
1994-95	0.0	0.0	0.0	0.0	0.0	2.5	13.1	3.6	0.6	0.0	0.0	T	19.8
1995-96	0.0	0.0	0.0	0.0	1.4	11.0	25.2	1.6	12.5	T	0.0	0.0	51.7
1996-97	0.0	0.0	0.0	0.0	.9	14.6	12.9	3.1	T	T	0.0	0.0	31.5
1997-98	0.0	0.0	0.0	0.0	5.8	2.5	0.8	0.6	0.7	0.0	0.0	0.0	10.4
1998-99	0.0	0.0	0.0	0.0	0.0	3.3	18.3	2.9	5.2	T	0.0	0.0	29.7
1999-00	0.0	0.0	0.0	0.0	0.0	3.1	11.3	1.6	8.1	T	0.0	0.0	24.1
2000-01	0.0	T	0.0	0.0	0.2	16.3	2.1	0.8	T	0.2	T	0.0	19.6
2001-02	0.0	0.0	0.0	T	T	0.7	4.6	4.8	0.8	T	T	0.0	10.9
2002-03	0.0	0.0	0.0	0.0	0.5	10.6	14.6	21.7	2.6	T	0.0	0.0	50.0
2003-04	0.0	0.0	0.0	0.0	0.4	4.8	10.0	1.8	3.9	0.0	0.0	0.0	20.9
2004-05	0.0	0.0	0.0	0.0	0.1	13.1	10.7	2.5	1.2	T	0.0	0.0	27.6
2005-06	0.0	0.0	0.0	0.0	0.8	14.1	2.7	3.9	5.5	T	0.0	0.0	27.0
2006-07	0.0	0.0	T	T	T	0.9	5.8	18.2	0.9	T	0.0	0.0	25.8
2007-08	0.0	0.0	0.0	0.0	T	10.8	4.8	5.4	2.3	0.0	0.0	T	23.3
2008-09	0.0	0.0	0.0	T	0.5	2.1	16.1	5.6	T	T	T	0.0	24.3
2009-10	0.0	0.0	0.0	0.0	T	7.7	7.8	17.5	0.0	0.0	0.0	0.0	33.0
2010-11	0.0	0.0	0.0	0.0	T	16.6	11.8	7.5	1.5	0.0	T	0.0	37.4
2011-12	0.0	0.0	0.0	0.0	0.2	2.3	4.4	2.2	0.7	0.0	0.0	0.0	9.8
2012-13	0.0	0.0	T	T	0.2	14.8	2.4	2.6	14.5	T	0.0	0.0	34.5
2013-	0.0	0.0	0.0	T	0.1	8.8							
2013-14	0.0	0.0	0.0	T	0.1	8.8	26.9	16.5	3.1	0.3	T	0.0	55.7
2014-15	0.0	0.0	0.0	0.1	2.6	0.1	3.1	13.8	5.9	T	0.0	T	25.6
2015-	T	0.0	0.0	0.0	1.3	0.6							
POR= 68 YRS	T	T	T	0.2	1.5	5.8	8.0	6.4	3.4	0.4	T	T	25.7

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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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2015

INDIANAPOLIS

INDIANA (KIND)

Indianapolis is located in the central part of the state and is situated on level or slightly rolling terrain. The greater part of the city lies east of the White River which flows in a general north to south direction.

The National Weather Service Forecast Office is located approximately 7 miles southwest of the central part of the city at the Indianapolis International Airport. From a field elevation of 797 feet above sea level at the Indianapolis International Airport the terrain slopes gradually downward to a little below 645 feet at the White River, then upward to just over 910 feet in the northwest corner and eastern sections of the county. The street elevation at the former city office located in the Old Federal Building is 718 feet.

Indianapolis has a temperate climate, with very warm summers and without a dry season. Very cold temperatures may be produced by the invasion of continental polar air in the winter from northern latitudes. The polar air can be quite frigid with very low humidity. The arrival of maritime tropical air from the Gulf in the summer brings warm temperatures and moderate humidity. One of the longest and most severe heat waves brought temperatures of 100 degrees or more for nine consecutive days.

Precipitation is distributed fairly evenly throughout the year, and therefore there is no pronounced wet or dry season. Rainfall in the spring and summer is produced mostly by showers and thunderstorms. A rainfall of about 2 1/2 inches in a 24-hour period can be expected about once a year. Snowfalls of 3 inches or more occur on an average of two or three times in the winter.

Local levees and/or channel improvements now protect some formerly flood-prone areas.

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 22.

Station History

INDIANAPOLIS, IN

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
INDIANAPOLIS WEIR COOK MUNICIPAL AP	1931-01-01	1948-01-01	39° 43'	-86° 16'			AIRWAYS
INDIANAPOLIS WEIR COOK MUNICIPAL AP	1966-01-01	1973-01-01	39° 43'	-86° 16'	792		AIRWAYS, COOP
INDIANAPOLIS WEIR COOK MUNICIPAL AP	1948-01-01	1966-01-01	39° 43'	-86° 16'	810		AIRWAYS, COOP
INDIANAPOLIS INTL AP	1977-09-01	1978-09-30	39° 43'	-86° 16'	792		COOP, WXSVC
INDIANAPOLIS INTL AP	1996-05-01	1996-07-26	39° 43'	-86° 16'	790		AIRWAYS, ASOS, COOP, WXSVC
INDIANAPOLIS INTL AP	2006-02-28	2015-05-12	39° 43'	-86° 16'	790		ASOS, COOP, WXSVC
INDIANAPOLIS INTL AP	1988-07-28	1996-01-01	39° 43'	-86° 16'	792		COOP, WXSVC
INDIANAPOLIS INTL AP	1996-01-01	1996-05-01	39° 43'	-86° 16'	790		ASOS, COOP, WXSVC
INDIANAPOLIS WEIR COOK MUNICIPAL AP	1973-01-01	1977-09-01	39° 43'	-86° 16'	792		COOP, WXSVC
INDIANAPOLIS INTL AP	1978-09-30	1988-07-28	39° 43'	-86° 16'	792	.6 UN E	COOP, WXSVC
INDIANAPOLIS INTL AP	2015-05-12	Present	39° 43'	-86° 16'	790		ASOS, COOP, WXSVC
INDIANAPOLIS INTL AP	1996-07-26	1997-04-09	39° 43'	-86° 16'	790	1.8 MI S	AIRWAYS, ASOS, COOP, WXSVC
INDIANAPOLIS INTL AP	1997-04-09	2006-02-28	39° 43'	-86° 16'	790		ASOS, COOP, WXSVC

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
PRECIP	2003-01-01	2007-05-22	DAILY	2400	PCPNX	SHLD	
TEMP	2007-05-22	2010-09-29	DAILY	2400	ATEMP		
PRECIP	2010-09-29	2015-05-12	DAILY	2400	PCPNX	SHLD	
WIND	2015-05-12	Present	HOURLY	UNKN	ANEMSONIC		
PRECIP	1996-01-01	2003-01-01	DAILY	VAR	AHTB	RCRD;HTD	
PRECIP	2007-05-22	2010-09-29	DAILY	2400	PCPNX	SHLD	
WIND	2007-05-22	2010-09-29	HOURLY	UNKN	ANEMSONIC		
WIND	2010-09-29	2015-05-12	HOURLY	UNKN	ANEMSONIC		
PRECIP	1931-01-01	1952-07-21	DAILY	UNKN			
PRECIP	1962-02-14	1962-02-21	DAILY	UNKN	SRG		
PRECIP	1978-09-30	1988-07-28	HOURLY	2400	UNIV	RCRD	
TEMP	1988-07-28	1996-01-01	DAILY	0700	MXMN		
PRECIP	2015-05-12	Present	DAILY	2400	PCPNX	SHLD	
PRECIP	1952-07-21	1962-02-14	HOURLY	UNKN			
TEMP	1952-07-21	1962-02-14	DAILY	UNKN			
PRECIP	1962-02-14	1962-02-21	HOURLY	UNKN	UNIV	RCRD	
TEMP	1962-02-21	1962-12-21	DAILY	UNKN			
PRECIP	1962-02-21	1962-12-21	DAILY	UNKN	SRG		
TEMP	1962-12-21	1978-09-30	DAILY	2400	HYGR		
PRECIP	1978-09-30	1988-07-28	DAILY	2400	SRG		
PRECIP	1988-07-28	1996-01-01	DAILY	0700	SRG		
WIND	2003-01-01	2007-05-22	HOURLY	UNKN	ANEMCUP		
PRECIP	1931-01-01	1952-07-21	HOURLY	UNKN			
PRECIP	1952-07-21	1962-02-14	DAILY	UNKN	SRG		
TEMP	1978-09-30	1988-07-28	DAILY	2400	MXMN		
PRECIP	2003-01-01	2007-05-22	HOURLY	2400	AHTB	RCRD;HTD	
TEMP	2010-09-29	2015-05-12	DAILY	2400	ATEMP		
TEMP	1931-01-01	1952-07-21	DAILY	UNKN			
PRECIP	1962-12-21	1978-09-30	DAILY	2400	SRG		
PRECIP	1988-07-28	1996-01-01	HOURLY	2400	UNIV	RCRD	
TEMP	1996-01-01	2003-01-01	DAILY	VAR	ATEMP		
PRECIP	2007-05-22	2010-09-29	HOURLY	2400	AHTB	RCRD;HTD	
TEMP	1962-02-14	1962-02-21	DAILY	UNKN			
PRECIP	1962-12-21	1978-09-30	HOURLY	2400	UNIV	RCRD	
WIND	1996-01-01	2003-01-01	HOURLY	UNKN	ANEMCUP		
TEMP	2003-01-01	2007-05-22	DAILY	2400	ATEMP		
PRECIP	2010-09-29	2015-05-12	HOURLY	2400	AWPAG	SHLD;RCRD;HTD	
PRECIP	2015-05-12	Present	HOURLY	2400	AWPAG	SHLD;RCRD;HTD	
TEMP	2015-05-12	Present	DAILY	2400	ATEMP	SHLD	
PRECIP	1962-02-21	1962-12-21	HOURLY	2400	UNIV	RCRD	
PRECIP	1996-01-01	2003-01-01	HOURLY	VAR	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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