

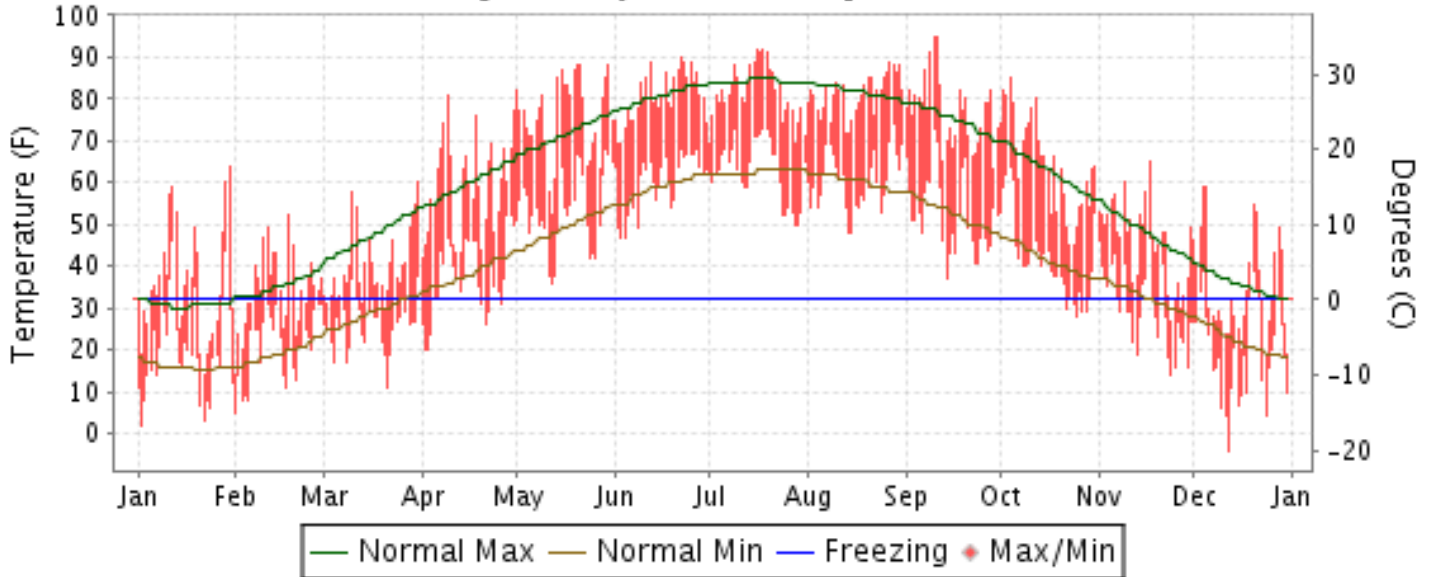


2013 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

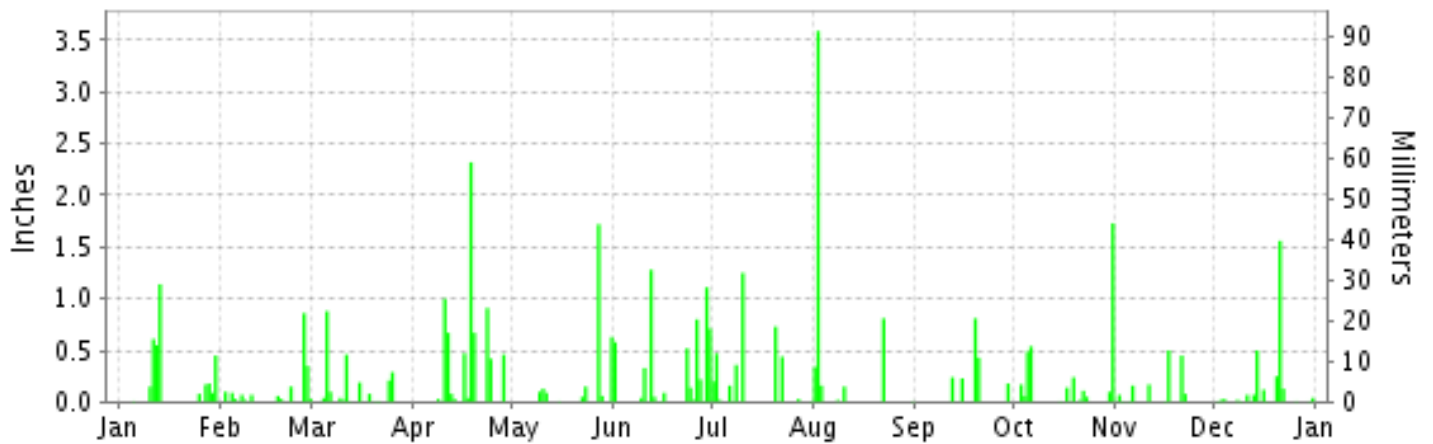
ISSN 0198-196X

FORT WAYNE, INDIANA (KFWA)

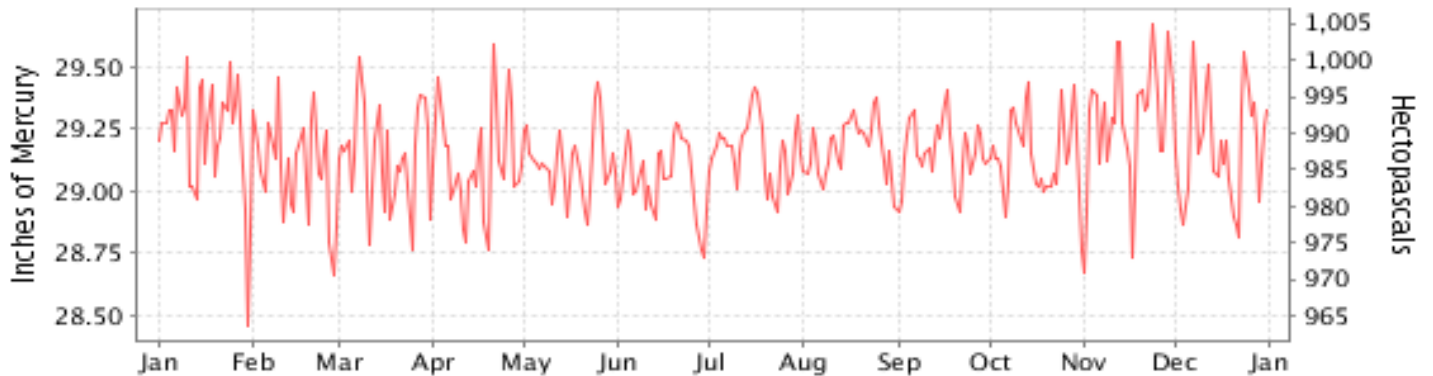
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
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NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2013

FORT WAYNE (KFWA)

LATITUDE:
40° 58'N

LONGITUDE:
85° 12'W

ELEVATION (FT):
GRND: 791 BARO: 806

TIME ZONE:
EASTERN (UTC -5)

WBAN: 14827

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	35.9	34.3	40.2	59.1	75.8	80.6	81.5	81.0	77.1	64.5	46.0	35.1	59.3	
	HIGHEST DAILY MAXIMUM	64	52	60	81	88	90	92	89	95	85	65	59	95	
	DATE OF OCCURRENCE	30	18	31	09	30+	22	18+	27	11+	04	17	05+	SEP 11+	
	MEAN DAILY MINIMUM	19.8	20.6	25.9	37.3	53.3	60.2	62.8	60.5	52.5	41.8	30.2	19.7	40.4	
	LOWEST DAILY MINIMUM	2	5	11	20	36	47	50	48	37	28	14	-4	-4	
	DATE OF OCCURRENCE	02	01	21	03+	12	04+	29+	15+	14	25	24	12	DEC 12	
	AVERAGE DRY BULB	27.8	27.5	33.1	48.2	64.5	70.4	72.2	70.8	64.8	53.1	38.1	27.4	49.8	
	MEAN WET BULB	26.6	25.8	30.3	43.5	57.2	64.0	67.2	65.1	58.3	48.6	34.7	25.7	45.6	
	MEAN DEW POINT	22.5	22.0	25.6	37.8	51.1	60.1	64.4	61.6	53.9	44.5	29.6	21.5	41.2	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	0	1	4	0	3	0	0	0	8	
	MAXIMUM <= 32°	13	11	4	0	0	0	0	0	0	0	3	18	49	
MINIMUM <= 32°	26	28	28	9	0	0	0	0	0	5	18	26	140		
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	1	1		
H/C	HEATING DEGREE DAYS	1145	1044	982	497	111	19	10	10	98	386	797	1155	6254	
	COOLING DEGREE DAYS	0	0	0	0	105	188	240	196	98	28	0	0	855	
RH	MEAN (PERCENT)	79	80	75	71	64	73	77	76	72	76	72	78	74	
	HOUR 01 LST	82	83	82	80	74	87	89	88	87	86	78	81	83	
	HOUR 07 LST	83	84	83	78	69	79	82	84	86	88	79	83	82	
	HOUR 13 LST	72	73	65	59	51	57	62	58	51	58	60	72	62	
	HOUR 19 LST	79	79	73	68	60	69	74	78	73	76	74	79	74	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	2	3	4	0	0	2	1	1	2	3	0	3	21	
	THUNDERSTORMS	1	0	0	5	4	12	7	5	1	2	1	0	38	
PR	MEAN STATION PRESS. (IN.)	29.22	29.10	29.13	29.14	29.11	29.05	29.17	29.18	29.16	29.15	29.28	29.19	29.16	
	MEAN SEA-LEVEL PRESS. (IN.)	30.15	30.02	30.05	30.03	30.00	29.93	30.04	30.05	30.04	30.05	30.20	30.12	30.06	
WINDS	RESULTANT SPEED (MPH)	7.5	4.8	3.6	2.4	2.7	1.3	1.5	1.0	0.2	4.0	5.6	5.6	3.1	
	RES. DIR. (TENS OF DEGS.)	24	25	30	21	20	24	24	26	25	22	24	24	25	
	MEAN SPEED (MPH)	11.3	11.2	10.2	10.6	9.4	7.3	6.3	4.7	5.7	7.1	10.4	10.5	8.7	
	PREVAIL.DIR.(TENS OF DEGS.)	22	27	27	24	21	21	22	21	08	22	22	26	26	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	39	39	36	38	30	41	38	26	22	30	41	32	41	
	DIR. (TENS OF DEGS.)	28	25	07	27	22	30	33	33	35	21	26	24	26	
	DATE OF OCCURRENCE	20	19	24	11	22	24	10	01	12	26	17	10	NOV 17	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	47	49	45	48	43	63	51	36	30	39	58	40	63	
DIR. (TENS OF DEGS.)	29	25	27	21	32	26	30	29	34	22	25	24	26		
DATE OF OCCURRENCE	20	19	19	18	11	24	10	02	21	26	17	10	JUN 24		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	3.43	1.86	2.34	7.10	2.94	5.91	3.68	5.08	1.89	3.66	1.46	2.86	42.21	
	GREATEST 24-HOUR (IN.)	1.69	1.13	0.94	2.97	1.73	1.82	1.25	3.75	0.81	1.74	0.51	1.59	3.75	
	DATE OF OCCURRENCE	12-13	26-27	05-06	18-19	27-28	29-30	10	02-03	19	30-31	16-17	21-22	AUG 02-03	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	10	12	13	12	9	15	11	7	5	12	9	16	131		
PRECIPITATION 0.10	7	4	6	8	5	9	7	5	5	8	4	5	73		
PRECIPITATION 1.00	1	0	0	2	1	2	1	1	0	1	0	1	10		
SNOWFALL	SNOW,ICE PELLETS,HAIL	2.6	8.2	18.1	T	0.0	0.0	0.0	0.0	0.0	T	1.0	9.9	39.8	
	TOTAL (IN.)	1.4	2.0	9.0	T	0.0	0.0	0.0	0.0	0.0	T	0.5	4.6	9.0	
	GREATEST 24-HOUR (IN.)	25	02	05	24+						24	11	14	MAR 05	
	DATE OF OCCURRENCE	4	3	10	T	0	0	0	0	0	0	1	5	10	
	MAXIMUM SNOW DEPTH (IN.)	02+	06+	06	20							12	17+	MAR 06	
	DATE OF OCCURRENCE														
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0	1	4	4	0	0	0	0	0	0	0	0	3	12		

NORMALS, MEANS, AND EXTREMES FORT WAYNE (KFWA)

LATITUDE: 40° 58'N **LONGITUDE:** 85° 12'W **ELEVATION (FT):** GRND: 791 BARO: 806 **TIME ZONE:** EASTERN (UTC -5) **WBAN: 14827**

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	32.4	36.3	48.0	61.1	71.7	80.9	84.4	82.2	76.0	63.4	49.9	36.2	60.2
	MEAN DAILY MAXIMUM	104	32.0	34.1	47.0	58.9	70.8	79.4	83.3	78.6	75.1	63.8	48.3	34.9	58.9
	HIGHEST DAILY MAXIMUM	67	69	73	87	88	96	106	103	101	100	90	79	71	106
	YEAR OF OCCURRENCE		1950	2000	2012	1986	2012	2012	2012	1962	1953	1951	1950	1982	JUN 2012
	MEAN OF EXTREME MAXS.	107	53.2	56.1	70.8	80.5	86.7	92.8	93.9	92.1	89.4	81.2	68.6	57.0	76.9
	NORMAL DAILY MINIMUM	30	17.4	20.3	28.7	38.9	49.2	59.3	62.7	60.8	52.6	41.8	32.9	22.1	40.6
	MEAN DAILY MINIMUM	104	17.0	18.6	28.8	37.9	48.8	57.9	61.3	57.3	52.7	42.4	32.0	21.1	39.7
	LOWEST DAILY MINIMUM	67	-22	-18	-10	7	27	38	44	38	29	19	-1	-18	-22
	YEAR OF OCCURRENCE		1985	1982	1967	1982	2005	1993	1967	1965	1995	1988	1958	1989	JAN 1985
	MEAN OF EXTREME MINS.	107	-4.3	-1.4	10.0	23.7	34.4	45.6	51.6	48.6	37.5	27.3	17.3	1.7	24.3
	NORMAL DRY BULB	30	24.9	28.3	38.4	50.0	60.4	70.1	73.6	71.5	64.3	52.6	41.4	29.1	50.4
	MEAN DRY BULB	104	24.5	26.4	37.9	48.4	59.8	68.8	72.3	67.9	63.9	53.1	40.2	28.0	49.3
	MEAN WET BULB	30	23.1	25.5	33.6	43.1	53.1	62.1	66.0	64.8	57.4	46.3	36.7	27.1	44.9
	MEAN DEW POINT	30	21.3	23.5	31.1	40.2	50.7	60.0	64.4	63.5	55.5	44.4	35.1	25.5	42.9
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	0.6	3.2	5.4	3.0	1.2	0.0	0.0	0.0	13.4
	MAXIMUM <= 32	30	15.3	9.2	2.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.4	10.8	39.5
MINIMUM <= 32	30	27.4	24.4	20.0	6.9	0.2	0.0	0.0	0.0	0.1	4.2	14.4	25.6	123.2	
MINIMUM <= 0	30	3.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	6.5	
H/C	NORMAL HEATING DEG. DAYS	30	1243	1027	826	458	190	29	3	9	104	393	708	1111	6101
	NORMAL COOLING DEG. DAYS	30	0	0	0	8	49	182	267	211	83	9	0	0	809
RH	NORMAL (PERCENT)	30	78	77	72	67	67	69	71	76	74	73	77	80	73
	HOURLY 01 LST	30	80	80	78	75	76	79	83	88	86	81	81	82	81
	HOURLY 07 LST	30	82	82	81	79	80	82	86	91	90	86	84	84	84
	HOURLY 13 LST	30	73	70	62	56	55	55	56	60	58	59	68	75	62
	HOURLY 19 LST	30	77	74	67	59	56	58	60	67	67	68	75	80	67
S	PERCENT POSSIBLE SUNSHINE	52	46	51	55	60	68	74	75	74	68	62	41	38	59
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	50	2.6	2.7	2.0	0.9	1.2	0.7	1.0	1.8	1.7	1.4	1.3	2.7	20.0
	THUNDERSTORMS	66	0.3	0.7	2.3	4.0	5.5	7.1	7.0	5.9	3.5	1.7	0.9	0.3	39.2
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)	50	6.0	5.8	5.8	5.6	5.1	4.9	4.5	4.5	4.5	4.6	5.8	6.1	5.3
	MIDNIGHT-MIDNIGHT (OKTAS)	32	5.8	5.5	5.5	5.2	4.8	4.7	4.2	4.2	4.3	4.5	5.7	5.9	5.0
	MEAN NO. DAYS WITH: CLEAR	1	3.0	3.0	7.0	2.0	2.0	5.0							
	PARTLY CLOUDY	1	3.0	5.0	8.0	6.0	8.0	9.0							
	CLOUDY	1	25.0	21.0	16.0	22.0	21.0	16.0							
PR	MEAN STATION PRESSURE(IN)	30	29.19	29.18	29.16	29.09	29.10	29.10	29.10	29.13	29.18	29.18	29.19	29.20	29.15
	MEAN SEA-LEVEL PRES. (IN)	30	30.11	30.10	30.06	29.98	29.98	29.97	30.00	30.04	30.06	30.08	30.09	30.11	30.05
WINDS	MEAN SPEED (MPH)	30	11.0	10.5	10.6	10.8	9.3	8.0	7.0	6.2	7.0	8.5	10.0	10.3	9.1
	PREVAIL.DIR.(TENS OF DEGS)	40	27	27	28	08	23	24	24	24	23	24	27	28	27
	MAXIMUM 2-MINUTE: SPEED (MPH)	17	46	46	51	46	47	67	51	44	38	41	46	47	67
	DIR. (TENS OF DEGS)		26	27	27	25	28	29	28	29	27	25	23	25	29
	YEAR OF OCCURRENCE		2008	2009	2002	1997	2000	2012	1998	2011	2012	2004	1998	2009	JUN 2012
	MAXIMUM 3-SECOND SPEED (MPH)	17	58	63	61	56	61	91	69	64	52	51	58	58	91
	DIR. (TENS OF DEGS)		26	28	22	26	29	27	29	29	27	22	25	25	27
	YEAR OF OCCURRENCE		2008	2009	2009	1997	2000	2012	1998	2011	2012	2010	2013	2009	JUN 2012
PRECIPITATION	NORMAL (IN)	30	2.26	2.04	2.71	3.52	4.27	4.16	4.24	3.64	2.80	2.84	3.09	2.77	38.34
	MAXIMUM MONTHLY (IN)	67	9.72	6.84	5.70	7.11	10.17	8.55	11.00	9.69	6.75	9.26	8.01	7.56	11.00
	YEAR OF OCCURRENCE		1950	1990	2009	1957	2011	2000	1986	2007	1972	1954	1992	1990	JUL 1986
	MINIMUM MONTHLY (IN)	67	0.39	0.30	0.48	1.04	1.04	0.65	0.41	0.42	0.34	0.14	0.60	0.42	0.14
	YEAR OF OCCURRENCE		1966	1978	2001	1997	1977	2012	1974	1969	1979	1964	2012	1962	OCT 1964
	MAXIMUM IN 24 HOURS (IN)	67	2.64	3.03	2.87	2.97	4.35	4.40	3.71	4.97	4.60	2.96	2.69	2.49	4.97
	YEAR OF OCCURRENCE		1950	1990	2009	2013	1991	1989	2003	2007	1950	1947	2011	1990	AUG 2007
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	12.6	10.1	12.2	12.9	13.0	10.9	9.8	9.4	9.1	9.7	11.2	13.0	133.9
	PRECIPITATION >= 1.00	30	0.3	0.2	0.4	0.7	1.0	1.0	1.3	1.1	0.7	0.7	0.5	0.3	8.2
SNOWFALL	NORMAL (IN)	30	10.1	7.7	4.1	1.0	0.0	0.0	0.0	0.0	0.0	0.3	1.8	8.5	33.5
	MAXIMUM MONTHLY (IN)	67	29.5	19.0	19.5	11.7	T	T	T	T	T	8.0	14.1	20.3	29.5
	YEAR OF OCCURRENCE		1982	2008	1964	1961	2011	2008	2001	1989	2003	1989	1950	1973	JAN 1982
	MAXIMUM IN 24 HOURS (IN)	67	10.8	7.7	13.6	6.4	T	T	T	T	T	6.5	7.0	11.1	13.6
	YEAR OF OCCURRENCE		1982	1952	1964	1957	2011	1992	2001	1989	2003	1989	1950	1973	MAR 1964
	MAXIMUM SNOW DEPTH (IN)	65	17	20	11	6	0	0	0	0	0	3	9	15	20
	YEAR OF OCCURRENCE		1978	1982	1978	1994						1989	1950	1977	FEB 1982
	NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	3.1	2.4	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.5	2.3	10.0

PRECIPITATION (inches) 2013 FORT WAYNE (KFWA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	1.10	1.53	3.71	2.95	4.69	1.48	2.52	1.10	2.98	3.17	2.94	3.20	31.37
1985	2.03	3.58	3.76	1.69	2.16	2.56	1.86	5.15	2.67	2.44	5.41	2.77	36.08
1986	0.64	2.96	3.08	3.27	2.67	4.95	11.00	2.75	4.64	3.47	1.50	1.54	42.47
1987	2.07	0.53	1.34	2.16	3.41	5.41	2.90	6.08	1.35	1.81	3.73	3.46	34.25
1988	1.53	1.97	3.14	2.69	1.99	0.77	6.51	4.29	1.82	2.70	3.43	2.47	33.31
1989	1.99	1.08	1.40	3.39	4.82	5.78	2.48	4.93	4.17	2.05	2.05	1.18	35.32
1990	2.17	6.84	3.11	2.36	5.60	5.49	4.58	6.75	1.50	5.31	3.31	7.56	54.58
1991	1.82	1.28	2.80	5.06	8.80	2.08	3.39	3.15	2.17	8.94	3.24	2.07	44.80
1992	1.67	1.39	3.21	3.50	3.11	3.31	5.35	3.82	6.01	2.45	8.01	2.65	44.48
1993	5.24	1.82	3.64	4.31	3.93	6.09	3.72	1.71	4.85	1.19	4.11	1.49	42.10
1994	2.71	0.83	1.66	6.25	1.09	3.46	3.29	2.15	1.27	1.43	2.94	2.25	29.33
1995	2.35	0.83	2.16	5.03	4.12	5.25	2.15	2.55	0.44	3.35	2.21	1.23	31.67
1996	2.51	1.25	2.01	3.17	7.09	5.55	7.88	2.00	3.94	2.00	3.76	3.27	44.43
1997	2.22	3.75	3.32	1.04	6.30	4.07	5.53	4.06	5.11	0.97	2.82	1.73	40.92
1998	3.96	1.44	4.98	5.00	2.18	4.83	6.00	3.85	1.31	3.99	1.65	1.00	40.19
1999	2.78	2.51	1.19	6.37	3.94	1.07	1.07	3.10	1.03	2.32	1.00	1.95	28.33
2000	1.25	1.57	2.01	2.09	4.63	8.55	2.18	3.68	4.61	1.78	2.12	2.54	37.01
2001	0.74	2.73	0.48	3.59	2.56	4.26	6.70	4.56	4.04	7.40	2.30	2.40	41.76
2002	2.56	1.80	2.56	3.70	6.29	3.13	2.40	2.79	2.54	1.58	2.27	1.61	33.23
2003	1.30	1.39	2.43	2.35	6.94	3.66	9.80	4.08	5.44	2.01	2.42	2.62	44.44
2004	2.43	0.54	2.79	1.15	6.71	5.30	5.51	5.19	1.75	1.73	3.39	2.67	39.16
2005	4.96	2.47	1.46	2.15	1.70	2.13	5.19	1.95	3.97	0.51	3.29	2.16	31.94
2006	3.01	1.64	1.98	4.26	5.04	3.36	5.41	3.17	2.82	4.35	2.39	4.73	42.16
2007	3.74	0.96	3.39	3.47	1.10	3.04	1.82	9.69	2.47	1.91	4.21	4.45	40.25
2008	2.23	4.73	3.82	1.98	4.95	5.55	3.15	2.06	1.83	2.32	2.03	4.34	38.99
2009	1.07	3.70	5.70	5.94	2.01	3.75	4.22	4.24	1.41	5.17	1.14	2.77	41.12
2010	0.63	1.06	2.60	3.60	7.02	4.92	2.74	3.55	1.36	0.58	4.01	1.08	33.15
2011	1.80	3.21	3.03	5.30	10.17	3.25	0.98	3.37	4.76	3.81	6.09	3.77	49.54
2012	3.09	2.01	2.90	1.29	1.06	0.65	4.35	3.51	3.61	3.31	0.60	2.20	28.58
2013	3.43	1.86	2.34	7.10	2.94	5.91	3.68	5.08	1.89	3.66	1.46	2.86	42.21
POR= 107 YRS	2.36	1.98	3.02	3.39	3.78	3.78	3.66	3.20	2.80	2.75	2.67	2.45	35.84

WBAN : 14827

AVERAGE TEMPERATURE (°F) 2013 FORT WAYNE (KFWA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	19.5	33.5	28.5	47.4	56.8	73.6	71.8	73.4	63.4	58.5	41.5	35.9	50.3
1985	19.8	23.9	43.1	57.0	65.1	68.8	75.0	71.5	65.0	54.4	43.7	20.5	50.7
1986	26.2	25.6	40.1	51.6	61.7	69.1	74.9	67.9	67.1	53.9	37.2	31.1	50.5
1987	24.7	31.4	40.9	51.4	64.5	72.1	75.1	71.8	65.3	46.6	44.1	33.4	51.8
1988	23.6	23.6	38.5	49.8	64.3	73.3	77.1	74.7	64.5	45.9	41.9	28.7	50.5
1989	33.2	23.4	38.3	47.5	57.3	69.7	75.5	70.8	62.2	52.7	39.4	16.9	48.9
1990	34.8	34.1	42.1	49.8	57.6	69.5	71.9	69.9	64.7	52.7	45.3	32.4	52.1
1991	24.8	31.9	41.2	53.1	67.3	74.2	74.8	72.9	63.6	55.4	37.6	32.9	52.5
1992	28.6	34.0	38.1	47.6	59.2	65.9	71.1	67.6	62.5	50.9	40.9	31.6	49.8
1993	28.6	24.0	35.3	48.6	61.8	68.5	76.3	74.4	61.5	51.3	41.1	31.1	50.2
1994	18.9	25.6	39.1	52.5	59.5	73.8	73.2	68.7	65.6	55.1	45.6	35.9	51.1
1995	25.7	26.8	41.4	47.7	59.1	71.8	75.1	78.4	63.2	54.9	35.8	24.9	50.4
1996	23.3	28.5	33.4	47.0	58.2	71.4	70.3	71.5	63.2	53.2	34.0	30.2	48.7
1997	21.4	31.2	39.4	45.4	53.6	69.3	71.8	68.0	62.7	52.2	36.5	31.0	48.5
1998	33.3	37.4	39.7	50.4	66.4	69.8	71.6	71.8	67.5	54.0	43.4	34.6	53.3
1999	23.6	33.5	33.5	51.3	62.4	71.4	78.4	69.5	64.4	52.0	45.4	31.4	51.4
2000	22.5	33.6	43.8	49.0	62.3	68.6	71.2	71.0	62.7	55.8	39.0	17.5	49.8
2001	25.2	30.9	35.4	53.2	62.3	68.2	72.4	72.4	62.3	52.7	47.4	36.0	51.5
2002	34.0	33.9	36.4	52.2	56.5	71.3	76.5	72.6	67.5	49.6	38.6	28.8	51.5
2003	18.5	22.7	37.6	50.0	57.5	66.0	71.6	72.4	61.5	50.6	44.5	31.0	48.7
2004	20.7	26.5	41.3	52.2	63.2	67.6	71.1	67.2	65.7	52.9	43.5	29.1	50.1
2005	24.5	30.1	34.9	51.7	57.1	73.5	75.1	72.9	67.9	54.1	42.7	24.0	50.7
2006	36.9	29.9	38.7	53.1	59.1	68.8	75.1	71.5	61.0	49.2	42.9	36.2	51.9
2007	29.8	16.1	43.0	48.2	65.0	71.5	71.8	74.2	67.0	59.7	40.6	29.6	51.4
2008	26.3	24.8	35.6	51.1	57.5	71.0	73.2	71.2	67.4	52.0	39.3	27.6	49.8
2009	16.6	30.4	42.2	49.6	60.2	70.5	68.9	69.7	64.8	49.8	45.7	29.0	49.8
2010	23.1	25.6	43.3	56.5	64.2	73.9	77.4	74.6	65.6	55.1	41.1	23.7	52.0
2011	20.5	25.6	38.4	50.4	62.5	72.1	79.8	73.0	62.5	53.4	45.7	35.2	51.6
2012	29.7	33.3	52.6	51.2	67.0	72.1	79.4	70.3	62.9	51.1	39.6	36.3	53.8
2013	27.8	27.5	33.1	48.2	64.5	70.4	72.2	70.8	64.8	53.1	38.1	27.4	49.8
POR= 104 YRS	24.5	26.4	37.9	48.4	59.8	68.8	72.3	67.9	63.9	53.1	40.2	28.0	49.3

HEATING DEGREE DAYS (base 65°F) 2013 FORT WAYNE (KFWA)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1984-85	4	1	128	204	699	894	1394	1144	673	281	86	23	5531
1985-86	0	3	124	319	632	1373	1197	1097	769	406	152	28	6100
1986-87	2	46	60	351	826	1043	1243	937	737	408	128	10	5791
1987-88	6	26	64	562	620	972	1277	1192	814	453	87	22	6095
1988-89	0	9	62	588	684	1118	978	1158	823	522	268	19	6229
1989-90	0	9	141	384	760	1488	928	858	712	479	231	29	6019
1990-91	2	7	113	389	587	1007	1240	920	730	355	100	1	5451
1991-92	0	0	162	308	816	985	1120	891	830	520	212	49	5893
1992-93	7	19	131	430	714	1028	1121	1141	914	484	128	51	6168
1993-94	0	4	140	425	710	1044	1424	1098	796	390	218	17	6266
1994-95	0	21	66	302	574	898	1211	1063	727	512	184	8	5566
1995-96	3	0	118	312	869	1237	1288	1050	974	541	254	11	6657
1996-97	6	0	118	360	924	1070	1345	940	789	580	345	35	6512
1997-98	7	18	103	427	847	1050	973	767	781	431	57	66	5527
1998-99	0	1	44	345	643	933	1278	876	971	405	120	28	5644
1999-00	0	5	97	397	582	1034	1310	903	649	475	141	40	5633
2000-01	1	4	137	287	774	1466	1226	951	912	366	126	65	6315
2001-02	10	0	120	378	522	892	954	862	878	423	285	17	5341
2002-03	0	1	45	493	784	1112	1437	1181	842	443	230	58	6626
2003-04	0	3	136	443	606	1050	1364	1108	731	395	126	30	5992
2004-05	2	40	60	368	640	1106	1253	971	925	399	253	6	6023
2005-06	0	2	33	364	661	1263	866	976	809	353	239	12	5578
2006-07	0	1	126	489	656	886	1082	1362	682	499	97	10	5890
2007-08	1	4	55	221	724	1089	1192	1160	906	418	248	6	6024
2008-09	0	0	21	404	763	1154	1494	965	699	481	176	25	6182
2009-10	4	14	55	464	572	1109	1295	1097	662	269	126	3	5670
2010-11	0	0	76	311	709	1275	1370	1099	819	437	165	6	6267
2011-12	0	0	141	353	572	916	1089	914	404	412	53	26	4880
2012-13	0	5	135	427	754	881	1145	1044	982	497	111	19	6000
2013-	10	10	98	386	797	1155							

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COOLING DEGREE DAYS (base 65°F) 2013 FORT WAYNE (KFWA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1984	0	0	0	5	24	266	223	270	88	10	0	0	886
1985	0	0	3	47	94	142	317	211	130	2	0	0	946
1986	0	0	3	12	55	159	316	143	130	13	0	0	831
1987	0	0	0	6	124	233	320	242	82	0	1	0	1008
1988	0	0	0	2	74	281	381	319	53	4	0	0	1114
1989	0	0	1	1	37	169	334	195	64	10	0	0	811
1990	0	0	7	26	7	173	222	164	112	14	1	0	726
1991	0	0	0	6	177	283	308	254	126	16	0	0	1170
1992	0	0	0	3	40	82	203	110	64	0	0	0	502
1993	0	0	0	0	37	162	356	301	41	4	0	0	901
1994	0	0	0	20	53	285	261	140	93	2	0	0	854
1995	0	0	0	0	10	218	323	420	73	4	0	0	1048
1996	0	0	0	5	50	210	176	207	70	1	0	0	719
1997	0	0	0	0	1	173	227	120	44	38	0	0	603
1998	0	0	5	0	107	216	209	219	126	11	0	0	893
1999	0	0	0	0	45	227	422	152	84	0	0	0	930
2000	0	0	0	0	66	157	201	199	76	10	0	0	709
2001	0	0	0	18	48	167	244	236	45	3	0	0	761
2002	0	0	0	45	30	214	364	246	125	23	0	0	1047
2003	0	0	0	1	6	95	208	239	37	1	0	0	587
2004	0	0	0	16	76	114	197	113	89	3	0	0	608
2005	0	0	0	5	15	269	319	253	125	30	0	0	1016
2006	0	0	0	3	63	117	318	207	17	5	0	0	730
2007	0	0	4	2	105	213	221	295	120	63	0	0	1023
2008	0	0	0	7	22	194	262	196	98	6	0	0	785
2009	0	0	0	27	36	197	130	170	56	0	0	0	616
2010	0	0	0	19	111	278	393	302	100	12	0	0	1215
2011	0	0	0	4	93	227	468	257	73	2	0	0	1124
2012	0	0	27	5	121	243	455	176	78	3	0	0	1108
2013	0	0	0	0	105	188	240	196	98	28	0	0	855

SNOWFALL (inches) 2013 FORT WAYNE (KFWA)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1984-85	0.0	0.0	0.0	0.0	0.7	4.4	15.3	13.7	0.8	0.9	0.0	0.0	35.8
1985-86	0.0	0.0	0.0	0.0	1.9	10.4	4.0	16.3	1.3	0.2	0.0	0.0	34.1
1986-87	0.0	0.0	0.0	0.0	4.6	1.8	17.6	0.2	1.5	T	0.0	0.0	25.7
1987-88	0.0	0.0	0.0	T	3.9	3.7	4.2	16.7	5.6	T	0.0	0.0	34.1
1988-89	0.0	0.0	0.0	T	3.3	10.1	1.7	6.1	1.3	T	T	0.0	22.5
1989-90	0.0	T	0.0	8.0	2.1	8.3	1.7	3.8	T	T	0.0	T	23.9
1990-91	0.0	0.0	0.0	0.0	T	13.5	8.5	6.0	3.2	T	0.0	0.0	31.2
1991-92	0.0	0.0	0.0	T	3.5	2.0	11.8	0.7	9.8	T	0.0	T	27.8
1992-93	0.0	0.0	0.0	1.4	0.5	9.1	9.6	13.0	7.5	0.8	0.0	0.0	41.9
1993-94	0.0	0.0	0.0	1.0	2.0	5.5	12.4	11.3	2.8	7.5	0.0	0.0	42.5
1994-95	0.0	0.0	0.0	0.0	0.5	1.0	11.0	0.5	0.3	0.2	0.0	0.0	13.5
1995-96	0.0	0.0	0.0	T	1.5	14.8	14.7	2.2	5.6	1.2	0.0	0.0	40.0
1996-97					8.1	13.7	12.8	7.9	1.6	0.7	T		
1997-98					5.9	4.2	1.7		2.1	0.0	0.0	0.0	
1998-99	0.0	0.0	0.0	0.0	0.0	1.0	18.0	3.1	8.4	T	0.0	0.0	30.5
1999-00	0.0	0.0	0.0	T	0.1	1.9	12.5	2.5	9.1	0.4	0.0	0.0	26.5
2000-01	0.0	0.0	0.0	T	1.1	17.2	2.4	1.8	4.0	1.8	0.0	T	28.3
2001-02	T	0.0	0.0	T	0.0	1.9	1.5	6.0	7.3	T	0.0	T	16.7
2002-03	0.0	0.0	0.0	T	3.1	9.4	17.8	14.3	2.1	T	0.0	T	46.7
2003-04	0.0	0.0	T	0.0	0.7	10.9	20.3	1.4	3.1	T	T	0.0	36.4
2004-05	T	T	0.0	0.0	1.8	10.3	17.2	7.7	7.1	0.6	0.0	T	44.7
2005-06	0.0	0.0	0.0	0.0	2.3	15.8	2.0	4.8	2.2	T	0.0	0.0	27.1
2006-07	0.0	0.0	0.0	T	T	4.8	8.7	11.5	0.7	3.4	0.0	T	29.1
2007-08	0.0	0.0	0.0	0.0	T	11.4	7.2	19.0	6.3	T	0.0	T	43.9
2008-09	0.0	0.0	0.0	T	2.3	4.2	15.5	4.1	T	1.5	0.0	0.0	27.6
2009-10	0.0	0.0	0.0	0.0	T	9.5	7.7	12.1	0.0	T	0.0	0.0	29.3
2010-11	0.0	0.0	0.0	0.0	T	10.9	16.1	18.3	1.2	T	T	0.0	46.5
2011-12	0.0	0.0	0.0	0.0	4.4	6.6	14.6	6.3	0.3	T	0.0	0.0	32.2
2012-13	0.0	0.0	0.0	0.1	0.5	9.0	2.6	8.2	18.1	T	0.0	0.0	38.5
2013-	0.0	0.0	0.0	T	1.0	9.9							
POR= 64 YRS	T	T	T	0.2	2.8	7.5	9.0	7.6	4.8	1.2	T	T	33.1

WBAN : 14827

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

FORT WAYNE

INDIANA (KFWA)

Fort Wayne is located at the junction of the St. Marys, St. Joseph, and Maumee Rivers in northeastern Indiana. The surrounding area is generally level south and east of the city. Southwest and west, the terrain is somewhat rolling, while to the northwest and a few miles north from the city, it becomes quite hilly. The highest point in the general area is about 40 miles due north of Fort Wayne, near Angola, Indiana. At this point, the elevation rises to 1,060 feet above sea level.

The climate is representative of northeastern Indiana and is influenced to some extent by the Great Lakes. It does not differ greatly from the climates of other midwestern cities of the same general latitude. Temperature differences between daily highs and lows are invigorating and average about 20 degrees. The average occurrence of the last freeze in the spring is late April, and the first freeze in the fall is mid-October, making the average freeze-free period 173 days. The length of the growing season is favorable for the maturing of all crops and vegetables normally grown in the midwest.

Annual precipitation is well distributed, with somewhat larger monthly amounts falling in late spring and early summer. Damaging hailstorms occur at an average of about twice a year. One of the most notable storms caused severe damage to property, many thousands of trees, and power and telephone lines in the area. Severe flooding has also occurred in the area. Snow usually covers the ground for about 30 days during the winter months, but heavy snowstorms are not frequent.

Except for the considerable cloudiness that occurs during the winter months, Fort Wayne enjoys a good midwestern average sunshine. Heavy fog occurrence is infrequent.

Station History

FORT WAYNE, IN

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
FORT WAYNE INTL AP	2010-11-04	Present	40° 58'	-85° 12'	791		AIRWAYS,ASOS,COOP
FORT WAYNE INTL AP	2006-11-01	2010-11-04	40° 58'	-85° 12'	791	5000 FT S	ASOS,COOP
FORT WAYNE BAER FIELD AP	1947-01-01	1953-01-01	41° 00'	-85° 13'	804		AIRWAYS,COOP
FORT WAYNE BAER FIELD	1976-01-01	1981-12-31	41° 00'	-85° 12'	791		COOP,WXSVC
FORT WAYNE	1940-11-14	1946-12-31	41° 10'	-85° 7'	830		AIRWAYS,COOP
FORT WAYNE BAER FIELD	1970-12-01	1973-01-01	41° 00'	-85° 13'	817		AIRWAYS,COOP
FORT WAYNE BAER FIELD	1973-01-01	1976-01-01	41° 00'	-85° 13'	817		COOP,WXSVC
FORT WAYNE BAER FIELD	1981-12-31	1996-07-01	41° 00'	-85° 12'	791		COOP
FORT WAYNE INTL AP	1996-07-01	2006-11-01	41° 0'	-85° 12'	826		ASOS,COOP
FORT WAYNE BAER FIELD AP	1953-01-01	1966-12-01	41° 00'	-85° 13'	817		AIRWAYS,COOP
FORT WAYNE MUNICIPAL AP	1966-12-01	1970-12-01	41° 00'	-85° 13'	817		AIRWAYS,COOP

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
PRECIP	1947-01-01	1982-01-01	DAILY	2400	UNIV	RCRD	
PRECIP	1988-06-01	1995-07-01	DAILY	2400	UNIV	RCRD	
PRECIP	2006-11-01	2010-11-04	DAILY	2400	PCPNX		
PRECIP	1982-01-01	1988-06-01	DAILY	2400	UNIV	RCRD	
PRECIP	1988-06-01	1995-07-01	HOURLY	2400			
TEMP	2006-11-01	2010-11-04	DAILY	2400	ATEMP		
PRECIP	1995-07-01	2006-11-01	HOURLY	2400	UNIV	RCRD	
WIND	2010-11-04	Present	DAILY	2400	WINDX		
PRECIP	2010-11-04	Present	DAILY	2400	PCPNX		SHLD
PRECIP	1982-01-01	1988-06-01	HOURLY	2400			
TEMP	1995-07-01	2006-11-01	DAILY	2400	MXMN		
PRECIP	2010-11-04	Present	HOURLY	2400	AWPAG		SHLD;RCRD;HTD
DEWPNTTEMP	2010-11-04	Present	DAILY	2400	ATEMP		
WIND	2006-11-01	2010-11-04	DAILY	2400	WINDX		
TEMP	1982-01-01	1988-06-01	DAILY	2400			
PRECIP	1995-07-01	2006-11-01	DAILY	2400	UNIV	RCRD	
TEMP	1947-01-01	1982-01-01	DAILY	2400			
TEMP	1988-06-01	1995-07-01	DAILY	2400	MXMN		
PRECIP	2006-11-01	2010-11-04	HOURLY	2400	AWPAG		RCRD;HTD
TEMP	2010-11-04	Present	DAILY	2400	ATEMP		

* 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

Fax Number : (828) 271-4876

TDD : (828) 271-4010

Email : ncdc.orders@noaa.gov

NOAA/National Climatic Data Center

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151 Patton Avenue

Asheville, NC 28801-5001

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