

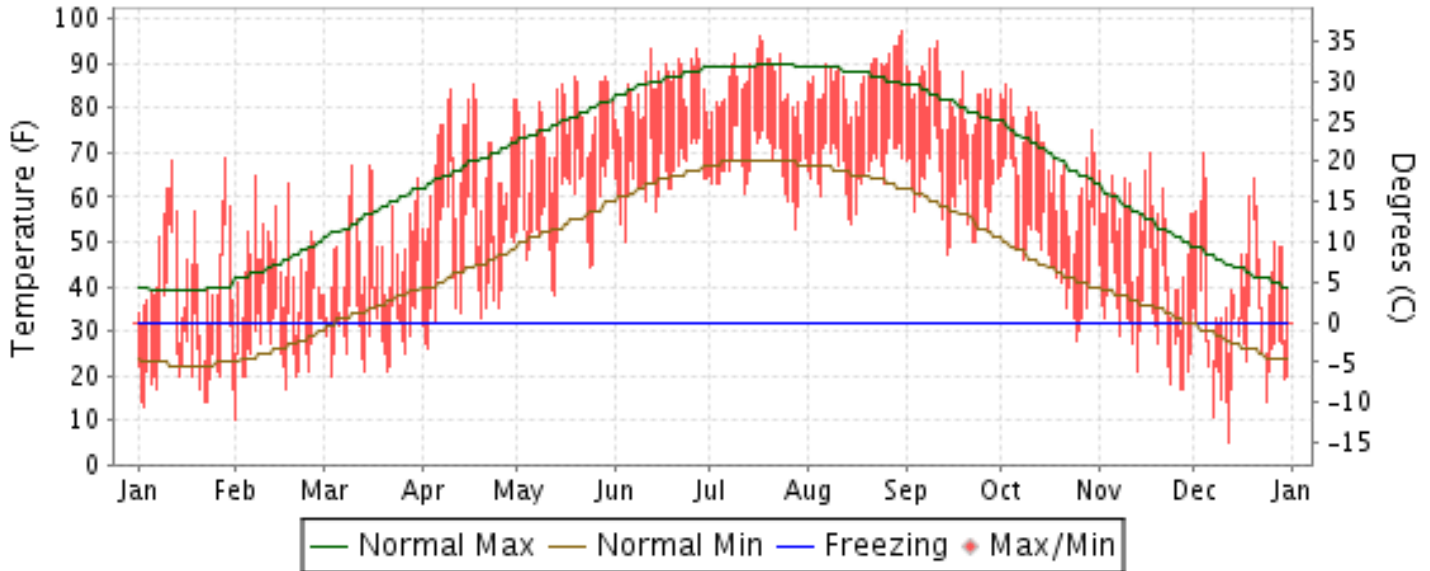


2013 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

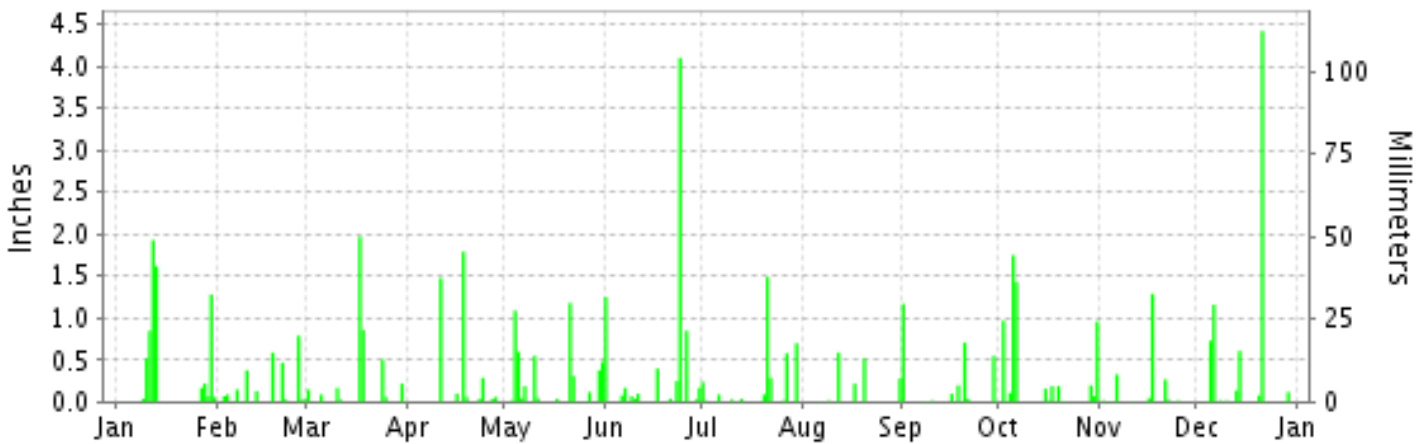
ISSN 0198-1943

EVANSVILLE, INDIANA (KEVV)

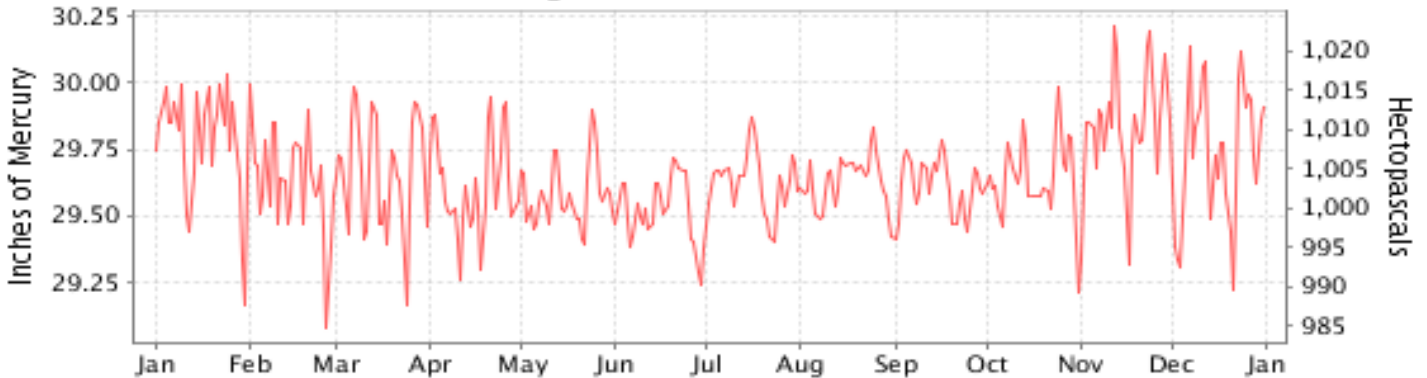
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2013

EVANSVILLE (KEVV)

LATITUDE: 38° 2'N LONGITUDE: 87° 31'W ELEVATION (FT): GRND: 400 BARO: 421 TIME ZONE: CENTRAL (UTC -6) WBAN: 93817

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	44.2	45.1	48.2	67.6	76.6	84.5	85.3	87.2	82.5	69.0	53.0	43.3	65.5	
	HIGHEST DAILY MAXIMUM	69	65	67	85	87	93	96	97	95	85	70	70	97	
	DATE OF OCCURRENCE	29	07	15+	17	29+	27+	17	31	11	03	17	04	AUG 31	
	MEAN DAILY MINIMUM	26.4	27.2	30.9	44.0	56.4	64.7	66.9	66.5	61.0	48.2	32.7	26.8	46.0	
	LOWEST DAILY MINIMUM	13	10	20	26	38	50	53	54	47	28	17	5	5	
	DATE OF OCCURRENCE	03	01	03	03	13	04	28	15	14	25	28+	12	DEC 12	
	AVERAGE DRY BULB	35.3	36.1	39.6	55.8	66.5	74.6	76.1	76.8	71.8	58.6	42.9	35.0	55.8	
	MEAN WET BULB	31.8	32.4	35.3	49.7	60.2	67.7	69.3	69.6	65.0	53.5	38.8	32.4	50.5	
	MEAN DEW POINT	25.5	26.0	28.5	42.1	55.2	63.7	66.0	66.0	61.0	49.0	31.7	27.1	45.2	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	0	7	9	11	3	0	0	0	0	30
	MAXIMUM <= 32°	5	2	0	0	0	0	0	0	0	0	1	6	14	
MINIMUM <= 32°	24	19	20	4	0	0	0	0	0	2	15	22	106		
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	912	798	781	304	82	1	0	0	10	249	655	920	4712	
	COOLING DEGREE DAYS	0	0	0	34	137	296	351	374	218	57	0	0	1467	
RH	MEAN (PERCENT)	69	68	67	61	69	71	73	73	73	73	65	73	70	
	HOUR 00 LST	72	74	71	71	78	81	85	85	84	82	73	77	78	
	HOUR 06 LST	77	77	76	75	81	83	87	89	89	86	78	79	81	
	HOUR 12 LST	62	59	58	50	58	58	60	56	58	58	52	66	58	
	HOUR 18 LST	67	64	60	50	59	62	62	62	64	68	59	71	62	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	0	0	2	0	2	2	1	1	1	2	0	4	15	
	THUNDERSTORMS	0	1	0	3	6	6	4	2	1	2	1	1	27	
PR	MEAN STATION PRESS. (IN.)	29.78	29.63	29.66	29.62	29.58	29.52	29.62	29.63	29.61	29.65	29.83	29.74	29.66	
	MEAN SEA-LEVEL PRESS. (IN.)	30.24	30.06	30.08	30.04	30.00	29.93	30.03	30.04	30.02	30.07	30.26	30.17	30.08	
WINDS	RESULTANT SPEED (MPH)	1.7	2.4	2.7	2.8	2.9	1.7	0.4	0.8	0.2	1.8	1.5	2.6	1.5	
	RES. DIR. (TENS OF DEGS.)	26	26	30	21	20	25	22	32	14	24	24	26	25	
	MEAN SPEED (MPH)	7.1	7.9	7.6	7.5	6.8	5.5	4.7	4.1	4.3	5.0	6.5	6.9	6.2	
	PREVAIL.DIR.(TENS OF DEGS.)	21	27	30	18	20	22	22	03	06	20	19	20	30	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	32	33	31	28	33	29	25	30	23	31	26	24	33	
	DIR. (TENS OF DEGS.)	32	20	28	27	19	31	02	35	36	28	20	27	19	
	DATE OF OCCURRENCE	29	18	05	19	30	01	20	31	01	05	17	21	MAY 30	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	43	43	41	38	49	43	33	38	28	40	37	30	49	
DIR. (TENS OF DEGS.)	27	19	28	26	19	30	02	34	01	27	20	20	19		
DATE OF OCCURRENCE	30	18	05	19	30	22	20	31	01	05	17	04	MAY 30		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	6.76	2.77	4.08	3.86	5.08	7.55	3.59	1.64	2.81	6.07	2.04	7.33	53.58	
	GREATEST 24-HOUR (IN.)	3.53	0.79	2.52	1.85	1.22	4.35	1.78	0.59	1.17	3.01	1.34	4.47	4.47	
	DATE OF OCCURRENCE	12-13	26	17-18	18-19	04-05	23-24	21-22	12	01	05-06	16-17	20-21	DEC 20-21	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	10	12	11	8	15	13	11	6	9	13	10	12	130		
PRECIPITATION 0.10	7	6	6	4	9	8	5	4	5	9	3	6	72		
PRECIPITATION 1.00	3	0	1	2	2	2	1	0	1	2	1	2	17		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	0.3	1.3	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	7.2	8.8	
	GREATEST 24-HOUR (IN.)	0.3	0.8	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	6.7	6.7	
	DATE OF OCCURRENCE	31	03	26+								26+	06	DEC 06	
	MAXIMUM SNOW DEPTH (IN.)	1	1	0	0	0	0	0	0	0	0	0	6	6	
	DATE OF OCCURRENCE	05+	03										07	DEC 07	
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0	0	0	0	0	0	0	0	0	0	0	0	1	1		

NORMALS, MEANS, AND EXTREMES EVANSVILLE (KEVV)

LATITUDE: 38° 2'N LONGITUDE: 87° 31'W ELEVATION (FT): GRND: 400 BARO: 421 TIME ZONE: CENTRAL (UTC -6) WBAN: 93817

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	41.0	46.0	56.7	67.7	76.9	85.6	88.5	88.0	81.3	69.8	56.5	44.1	66.8
	MEAN DAILY MAXIMUM	117	41.2	42.9	55.4	65.8	76.4	84.2	88.8	87.4	80.1	70.0	54.8	44.0	65.9
	HIGHEST DAILY MAXIMUM	73	76	79	84	91	95	107	107	104	103	94	83	77	107
	YEAR OF OCCURRENCE		1943	1962	2012	1989	1975	2012	2012	2007	1954	1953	1961	1982	JUL 2012
	MEAN OF EXTREME MAXS.	117	63.4	67.6	76.9	84.1	89.3	95.3	96.5	95.8	92.9	85.5	75.0	65.2	82.3
	NORMAL DAILY MINIMUM	30	24.0	27.2	35.3	44.6	54.5	63.9	67.5	65.4	56.8	45.5	36.4	27.1	45.7
	MEAN DAILY MINIMUM	117	25.1	26.2	36.3	45.3	55.6	63.7	68.5	66.6	58.2	47.2	36.4	28.3	46.5
	LOWEST DAILY MINIMUM	73	-21	-23	-9	23	28	41	47	43	31	21	-3	-15	-23
	YEAR OF OCCURRENCE		1977	1951	1960	1990	1963	1966	1947	1986	1942	1952	1950	1989	FEB 1951
	MEAN OF EXTREME MINS.	117	2.3	7.3	18.3	29.2	39.7	50.5	56.6	54.2	42.1	29.9	20.0	8.1	29.9
	NORMAL DRY BULB	30	32.5	36.6	46.0	56.1	65.7	74.8	78.0	76.7	69.1	57.6	46.4	35.6	56.3
	MEAN DRY BULB	117	33.1	34.5	45.9	55.6	66.0	74.0	78.6	77.0	69.2	58.6	45.6	36.2	56.2
	MEAN WET BULB	30	29.0	32.0	40.0	49.0	58.8	66.6	70.2	68.5	61.3	50.2	40.7	32.5	49.9
	MEAN DEW POINT	30	27.0	29.8	37.2	46.3	56.7	64.9	68.7	67.2	59.4	48.1	38.6	30.2	47.8
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	0.9	8.1	13.1	11.6	4.1	0.2	0.0	0.0	38.0
	MAXIMUM <= 32	30	6.8	3.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	4.6	15.5
	MINIMUM <= 32	30	24.0	19.2	12.4	2.8	0.0	0.0	0.0	0.0	0.0	2.1	10.9	21.3	92.7
MINIMUM <= 0	30	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.8	
H/C	NORMAL HEATING DEG. DAYS	30	1007	795	592	289	86	6	0	1	46	256	558	911	4547
	NORMAL COOLING DEG. DAYS	30	0	0	3	24	108	298	403	363	167	29	2	0	1397
RH	NORMAL (PERCENT)	30	74	72	68	66	69	69	71	73	73	70	72	76	71
	HOURLY 00 LST	30	77	77	75	75	81	81	84	85	85	81	78	79	80
	HOURLY 06 LST	30	80	80	79	80	83	83	85	88	89	85	81	81	83
	HOURLY 12 LST	30	68	64	59	54	56	55	57	58	55	53	62	69	59
	HOURLY 18 LST	30	72	67	61	55	58	56	59	62	65	64	68	74	63
S	PERCENT POSSIBLE SUNSHINE	56	42	48	55	60	64	71	73	73	69	65	48	42	59
W/O	MEAN NO. DAYS WITH: HEAVY FOG (VISIB <= 1/4 MI)	50	1.7	1.5	1.1	0.7	0.9	0.7	1.0	1.1	1.8	1.6	1.4	1.5	15.0
	THUNDERSTORMS	66	1.0	1.2	3.3	4.8	6.3	6.9	7.1	4.9	3.0	1.9	1.5	0.6	42.5
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)	56	5.7	5.4	5.4	5.2	4.9	4.6	4.2	4.0	4.0	3.9	5.1	5.5	4.8
	MIDNIGHT-MIDNIGHT (OKTAS)	32	5.4	4.9	5.0	4.7	4.3	4.0	3.8	3.6	3.8	3.8	4.9	5.2	4.5
	MEAN NO. DAYS WITH: CLEAR	56	6.6	6.5	6.5	6.8	8.5	8.1	9.2	11.1	11.3	12.3	7.7	6.5	101.1
	PARTLY CLOUDY	56	5.3	6.3	8.1	8.3	8.6	11.4	12.1	11.0	8.3	7.4	6.6	6.0	99.4
	CLOUDY	56	19.1	15.4	16.4	14.9	13.9	10.5	9.1	8.4	9.9	10.8	15.2	18.0	161.6
PR	MEAN STATION PRESSURE (IN)	30	29.72	29.70	29.64	29.56	29.56	29.56	29.59	29.61	29.63	29.66	29.69	29.72	29.64
	MEAN SEA-LEVEL PRES. (IN)	30	30.15	30.13	30.06	29.98	29.98	29.96	29.99	30.01	30.04	30.08	30.12	30.15	30.05
WINDS	MEAN SPEED (MPH)	30	8.4	8.3	8.4	8.3	7.0	6.2	5.5	5.1	5.4	6.2	7.4	7.7	7.0
	PREVAIL. DIR. (TENS OF DEGS)	45	31	31	33	21	23	23	25	24	06	19	19	31	23
	MAXIMUM 2-MINUTE: SPEED (MPH)	17	52	44	41	55	53	46	45	46	47	38	45	45	55
	DIR. (TENS OF DEGS)		27	23	24	25	25	28	28	02	19	27	23	24	25
	YEAR OF OCCURRENCE		2008	2009	2012	2011	2011	2000	2003	2006	2008	2010	2011	2008	APR 2011
	MAXIMUM 3-SECOND SPEED (MPH)	17	71	59	54	76	75	60	64	56	64	47	62	61	76
	DIR. (TENS OF DEGS)		26	20	25	25	24	29	28	02	20	28	22	25	25
	YEAR OF OCCURRENCE		2008	2009	2012	2011	2011	2011	2003	2006	2008	2010	2011	2008	APR 2011
PRECIPITATION	NORMAL (IN)	30	3.10	3.17	4.24	4.37	5.36	3.78	3.92	2.98	3.05	3.25	4.33	3.76	45.31
	MAXIMUM MONTHLY (IN)	73	13.50	7.26	12.84	11.83	13.51	9.30	9.69	8.51	9.89	8.33	8.49	8.23	13.51
	YEAR OF OCCURRENCE		1950	2000	1964	1996	1995	1943	1958	2005	1945	1941	1957	1982	MAY 1995
	MINIMUM MONTHLY (IN)	73	0.51	0.27	0.89	1.10	0.91	0.15	0.18	0.13	0.09	0.01	0.51	0.56	0.01
	YEAR OF OCCURRENCE		1981	1947	1941	1959	1965	2012	1974	1943	2004	1964	1999	1976	OCT 1964
	MAXIMUM IN 24 HOURS (IN)	73	3.74	3.84	6.85	7.26	6.05	4.35	4.09	3.70	4.37	3.01	3.65	4.47	7.26
	YEAR OF OCCURRENCE		2000	2000	2008	1996	1961	2013	1978	1977	2006	2013	2005	2013	APR 1996
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	9.8	8.9	10.6	11.7	12.5	9.9	9.0	6.9	7.4	8.3	9.7	10.8	115.5
	PRECIPITATION >= 1.00	30	0.6	0.9	1.0	1.2	1.4	1.0	1.1	0.9	0.9	0.7	1.3	0.9	11.9
	SNOWFALL	NORMAL (IN)	30	3.4	3.8	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.1	3.2
MAXIMUM MONTHLY (IN)		69	21.3	18.4	20.2	8.6	T	T	T	0.0	T	4.6	6.9	11.5	21.3
YEAR OF OCCURRENCE			1977	1993	1960	1971	1993	1994	T	T	1990	1993	1958	2000	JAN 1977
MAXIMUM IN 24 HOURS (IN)		69	8.7	10.9	10.6	8.6	T	T	0.0	0.0	T	4.1	6.9	7.7	10.9
YEAR OF OCCURRENCE			1978	1993	1960	1971	1993	1994	T	T	1990	1993	1958	2012	FEB 1993
MAXIMUM SNOW DEPTH (IN)		61	14	12	13	4	0	0	0	0	0	2	7	8	14
YEAR OF OCCURRENCE			1978	1998	1960	1971	T	T	0	0	1993	1993	1958	2012	JAN 1978
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0		30	1.2	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.5

PRECIPITATION (inches) 2013 EVANSVILLE (KEVV)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	0.85	2.55	7.02	5.75	2.89	3.35	1.50	2.70	6.97	5.13	5.05	5.99	49.75
1985	1.76	4.24	6.10	3.80	2.97	4.68	1.18	3.76	3.59	4.46	7.61	1.74	45.89
1986	1.15	5.77	2.64	2.29	2.93	3.77	5.39	2.07	3.84	3.30	2.35	2.18	37.68
1987	0.77	3.51	2.11	2.31	3.90	5.97	3.19	0.47	1.98	1.23	3.36	5.71	34.51
1988	3.28	3.94	2.89	1.77	1.33	1.11	6.63	2.72	1.19	2.86	7.96	2.75	38.43
1989	3.35	7.00	6.40	4.19	3.72	4.00	7.83	3.46	2.21	2.16	1.64	1.38	47.34
1990	4.26	5.60	2.15	3.75	11.34	3.22	1.01	3.47	2.54	4.81	2.92	7.45	52.52
1991	3.02	2.99	4.27	2.56	3.11	0.65	2.58	0.46	2.60	3.05	3.67	3.72	32.68
1992	0.85	1.51	4.50	1.19	3.44	1.44	8.40	4.39	2.89	1.17	4.34	1.69	35.81
1993	3.57	2.61	3.23	4.38	4.20	4.65	2.37	2.17	5.59	3.76	6.62	2.68	45.83
1994	3.18	2.32	1.88	5.77	0.94	3.45	2.30	2.52	2.61	2.67	6.52	2.59	36.75
1995	2.82	2.98	2.53	5.59	13.51	4.56	2.88	3.60	0.47	2.01	2.32	3.19	46.46
1996	3.51	1.50	5.19	11.83	7.32	7.78	4.56	1.20	8.45	2.53	6.66	3.50	64.03
1997	4.20	3.35	6.90	4.16	7.57	6.12	1.71	4.02	1.31	1.73	4.17	2.34	47.58
1998	2.24	2.71	3.07	8.50	5.91	5.31	3.89	3.91	0.49	3.38	2.78	3.48	45.67
1999	6.00	1.94	4.30	6.15	3.21	6.27	2.00	0.64	0.39	2.80	0.51	5.13	39.34
2000	4.36	7.26	3.21	2.35	2.60	5.86	4.14	5.60	5.03	0.59	3.43	4.12	48.55
2001	1.29	3.26	2.23	1.60	3.82	3.82	5.54	6.09	2.40	7.27	5.40	7.16	49.88
2002	3.72	0.74	6.20	8.58	5.70	2.86	4.32	0.63	5.22	3.75	2.97	5.65	50.34
2003	0.90	4.92	2.60	3.91	6.48	4.50	4.38	1.88	3.17	1.61	4.36	1.20	39.91
2004	2.95	0.59	2.17	1.91	9.31	1.66	7.56	3.08	0.09	5.62	6.23	2.31	43.48
2005	4.59	2.77	2.85	2.13	2.33	4.88	2.69	8.51	2.00	0.73	5.93	1.76	41.17
2006	4.09	2.17	9.36	3.44	5.77	3.73	6.46	7.41	8.75	5.46	4.95	4.59	66.18
2007	5.47	3.41	2.66	2.88	2.73	2.71	1.97	0.99	2.22	4.64	1.77	6.34	37.79
2008	3.97	5.97	12.34	5.07	8.07	3.09	3.90	0.52	1.16	1.61	3.42	4.76	53.88
2009	2.85	2.76	3.32	6.01	6.47	2.20	6.46	1.91	5.17	8.21	1.22	3.62	50.20
2010	2.41	1.58	3.97	3.27	3.03	2.49	3.51	0.84	0.36	1.06	8.46	1.80	32.78
2011	1.65	4.52	5.34	11.77	7.90	6.52	6.66	0.62	8.20	2.49	8.32	6.04	70.03
2012	3.39	1.75	2.51	1.44	2.29	0.15	2.34	4.10	7.60	2.90	1.19	3.47	33.13
2013	6.76	2.77	4.08	3.86	5.08	7.55	3.59	1.64	2.81	6.07	2.04	7.33	53.58
POR= 117 YRS	3.50	2.94	4.33	4.05	4.36	3.74	3.67	3.02	3.12	2.92	3.44	3.50	42.59

WBAN : 93817

AVERAGE TEMPERATURE (°F) 2013 EVANSVILLE (KEVV)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	27.1	39.0	40.0	54.4	62.5	78.6	76.0	76.0	66.3	62.9	43.5	43.7	55.8
1985	23.7	29.6	51.9	59.1	66.5	73.7	79.2	75.1	68.5	60.7	50.1	28.2	55.5
1986	32.9	37.5	47.5	58.1	67.6	76.7	80.5	72.9	72.4	58.0	43.7	35.7	57.0
1987	32.2	38.5	47.9	54.2	71.7	76.5	78.3	77.9	71.0	51.2	49.5	39.7	57.4
1988	29.0	33.1	45.4	55.6	67.0	75.7	79.0	78.8	69.5	51.5	46.4	36.5	55.6
1989	40.1	32.5	46.9	56.6	63.2	73.8	77.7	76.8	68.3	58.3	45.6	23.0	55.2
1990	41.9	43.2	49.8	53.8	63.0	74.9	77.2	75.7	71.0	56.1	50.5	38.1	57.9
1991	31.3	39.7	47.9	58.9	71.1	77.0	79.1	77.0	70.2	59.2	43.2	39.2	57.8
1992	35.4	41.6	47.0	57.7	63.9	71.7	79.0	73.4	68.6	57.7	46.9	36.4	56.6
1993	36.5	32.9	43.1	54.1	67.0	75.8	83.1	79.5	67.0	55.5	44.7	36.4	56.3
1994	27.3	37.3	45.4	59.2	64.0	78.8	79.2	75.4	68.1	59.7	51.4	42.2	57.3
1995	35.0	36.1	49.9	58.3	66.4	76.0	81.1	83.4	68.7	60.3	41.2	35.6	57.7
1996	30.9	36.2	38.3	51.5	67.3	74.0	75.2	75.7	66.0	56.8	40.4	38.0	54.2
1997	29.0	39.7	47.3	50.5	60.3	72.0	77.2	74.1	67.8	57.3	41.8	35.0	54.3
1998	39.5	42.1	46.2	54.8	69.8	75.1	77.7	76.7	73.9	60.0	48.3	38.8	58.6
1999	34.7	40.9	41.5	57.7	65.5	74.5	79.4	74.4	68.2	56.6	51.3	37.3	56.8
2000	33.2	42.7	48.0	53.9	67.4	73.7	75.3	76.3	67.3	60.5	43.0	23.6	55.4
2001	30.8	39.2	41.5	61.3	67.6	72.7	77.6	76.7	67.2	56.6	50.8	40.5	56.9
2002	38.2	38.4	43.7	58.8	63.8	76.3	80.3	78.9	73.5	56.6	43.2	36.7	57.4
2003	27.4	31.5	46.5	57.4	64.4	69.5	77.1	77.3	66.8	57.7	50.3	38.4	55.4
2004	30.9	36.1	49.3	57.7	70.1	74.0	75.4	72.0	69.9	59.9	50.2	33.8	56.6
2005	38.1	40.5	42.7	56.4	63.2	75.4	77.6	79.3	72.3	59.0	47.8	32.8	57.1
2006	42.8	35.4	46.5	60.3	64.1	74.1	78.4	78.1	65.2	54.4	46.8	41.0	57.3
2007	37.1	29.0	53.7	53.7	69.6	75.6	76.7	83.4	73.5	63.3	45.9	38.8	58.4
2008	32.1	35.3	45.0	55.1	63.1	76.4	77.6	76.0	71.7	58.1	43.6	35.5	55.8
2009	28.8	38.5	49.4	56.7	66.2	77.0	73.4	74.8	70.1	53.7	49.9	35.0	56.1
2010	27.8	30.0	47.4	61.1	68.4	78.9	80.6	81.4	72.1	60.1	46.8	30.0	57.1
2011	28.7	38.2	47.4	60.3	65.3	76.3	82.6	78.0	67.5	57.1	50.3	40.8	57.7
2012	37.5	40.6	59.4	59.1	72.1	76.1	84.6	76.7	68.5	55.8	44.2	42.6	59.8
2013	35.3	36.1	39.6	55.8	66.5	74.6	76.1	76.8	71.8	58.6	42.9	35.0	55.8
POR= 117 YRS	33.1	34.5	45.9	55.6	66.0	74.0	78.6	77.0	69.2	58.6	45.6	36.2	56.2

HEATING DEGREE DAYS (base 65°F) 2013 EVANSVILLE (KEVV)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1984-85	0	0	79	108	638	653	1276	985	411	208	55	9	4422
1985-86	0	0	75	185	446	1135	989	762	538	226	70	0	4426
1986-87	0	15	14	240	632	900	1007	735	528	330	19	0	4420
1987-88	0	0	15	423	456	777	1108	917	602	284	46	4	4632
1988-89	0	0	18	418	548	877	765	902	558	308	142	1	4537
1989-90	0	1	54	225	577	1297	707	603	487	358	97	15	4421
1990-91	2	1	35	291	432	828	1037	702	528	191	42	0	4089
1991-92	0	0	88	227	647	791	913	673	549	259	118	10	4275
1992-93	0	0	46	236	538	875	879	892	671	322	46	12	4517
1993-94	0	0	55	296	600	879	1164	770	603	213	96	5	4681
1994-95	0	0	44	180	403	702	922	804	465	229	62	0	3811
1995-96	0	0	50	168	710	904	1048	829	819	407	75	5	5015
1996-97	0	0	70	253	732	830	1108	702	542	428	172	11	4848
1997-98	0	0	24	300	692	922	786	635	604	301	30	20	4314
1998-99	0	0	4	181	492	810	931	667	720	220	39	4	4068
1999-00	0	0	53	257	404	854	976	641	518	327	45	5	4080
2000-01	0	0	71	191	659	1277	1053	716	723	183	37	12	4922
2001-02	0	0	67	267	421	754	827	738	654	240	126	0	4094
2002-03	0	0	10	297	647	871	1160	932	566	234	72	28	4817
2003-04	0	0	53	233	436	815	1051	834	487	245	48	0	4202
2004-05	1	9	10	169	440	959	829	679	684	259	122	0	4161
2005-06	0	0	16	226	514	991	683	824	567	175	111	0	4107
2006-07	0	0	59	346	542	737	858	1002	371	357	26	0	4298
2007-08	0	0	9	163	566	806	1014	856	615	306	107	0	4442
2008-09	0	0	4	248	634	906	1112	734	478	290	62	4	4472
2009-10	0	0	18	345	447	923	1146	974	539	152	53	0	4597
2010-11	0	0	10	183	540	1079	1118	746	543	176	133	0	4528
2011-12	0	0	46	252	436	745	846	704	217	217	10	9	3482
2012-13	0	0	43	300	619	691	912	798	781	304	82	1	4531
2013-	0	0	10	249	655	920							

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COOLING DEGREE DAYS (base 65°F) 2013 EVANSVILLE (KEVV)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1984	0	0	0	16	60	416	348	349	127	49	0	0	1365
1985	0	3	13	36	108	276	447	319	190	58	5	0	1455
1986	0	0	2	27	156	360	487	265	246	32	0	0	1575
1987	0	0	0	8	235	350	420	408	201	0	1	0	1623
1988	0	0	0	11	113	329	441	436	162	8	0	0	1500
1989	0	0	3	64	96	272	403	369	161	28	0	0	1396
1990	0	0	21	29	43	318	387	336	220	23	3	0	1380
1991	0	0	4	15	241	369	445	379	249	55	0	0	1757
1992	0	0	0	47	90	219	440	268	162	14	0	0	1240
1993	0	0	0	3	115	342	566	456	122	9	0	0	1613
1994	0	1	0	42	74	423	449	330	144	24	2	0	1489
1995	0	0	3	33	116	336	510	577	169	29	0	0	1773
1996	0	0	0	8	154	282	321	338	105	6	0	0	1214
1997	0	0	0	0	32	227	386	288	116	70	0	0	1119
1998	0	0	28	3	188	330	398	370	276	35	0	1	1629
1999	0	0	0	10	59	297	454	298	158	8	0	0	1284
2000	0	0	0	0	126	271	327	356	146	57	6	0	1289
2001	0	0	0	79	126	251	400	369	141	11	0	0	1377
2002	0	0	0	60	97	347	481	436	273	43	0	0	1737
2003	0	0	0	15	61	170	382	387	113	13	2	0	1143
2004	0	0	6	33	211	276	331	231	161	18	2	0	1269
2005	1	0	0	9	75	319	398	450	241	46	5	0	1544
2006	0	0	2	42	91	278	420	415	70	24	0	0	1342
2007	0	0	26	26	175	325	368	574	272	120	0	0	1886
2008	0	0	0	17	56	351	399	344	212	42	0	0	1421
2009	0	0	3	50	103	368	270	309	178	0	0	0	1281
2010	0	0	0	43	167	423	489	514	231	35	2	0	1904
2011	0	0	4	42	151	345	552	411	125	13	3	0	1646
2012	0	0	48	48	239	349	612	371	154	22	0	2	1845
2013	0	0	0	34	137	296	351	374	218	57	0	0	1467

SNOWFALL (inches) 2013 EVANSVILLE (KEVV)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1984-85	0.0	0.0	0.0	0.0	T	6.7	10.3	9.4	0.0	T	0.0	0.0	26.4
1985-86	0.0	0.0	0.0	0.0	0.0	2.8	1.1	6.8	T	0.0	0.0	0.0	10.7
1986-87	0.0	0.0	0.0	0.0	T	0.1	2.7	3.2	1.7	0.0	0.0	0.0	7.7
1987-88	0.0	0.0	0.0	0.0	T	1.3	4.0	1.4	0.7	0.0	0.0	0.0	7.4
1988-89	0.0	0.0	0.0	0.0	T	3.0	T	0.5	0.1	0.0	0.0	0.0	3.6
1989-90	0.0	0.0	0.0	0.9	T	6.0	1.6	0.2	4.6	0.0	0.0	0.0	13.3
1990-91	0.0	0.0	T	0.0	0.0	7.2	0.8	1.2	0.2	0.0	0.0	0.0	9.4
1991-92	0.0	0.0	0.0	0.0	1.0	T	1.0	T	1.3	T	0.0	0.0	3.3
1992-93	0.0	0.0	0.0	T	0.1	0.7	T	18.4	1.5	T	T	0.0	20.7
1993-94	0.0	0.0	0.0	4.6	0.3	3.4	7.4	0.7	8.0	0.0	0.0	T	24.4
1994-95	0.0	0.0	0.0	0.0	0.0	T	0.3	1.7	0.1	0.0	0.0	0.0	2.1
1995-96	0.0	0.0	0.0	0.0	0.1	5.4	13.5	1.1	9.6	T			
1996-97	0.0		0.0		T	1.2	4.0	1.8	T	T		0.0	
1997-98		0.0			T	6.6	0.7	12.2	1.1	0.0	0.0	0.0	
1998-99	0.0	0.0	0.0	0.0	0.0	1.5	1.1	3.3	2.8	0.0	0.0	0.0	8.7
1999-00	0.0	0.0	0.0	0.0	0.0	0.3	4.1	T	T	0.0	0.0	0.0	4.4
2000-01	0.0	0.0	0.0	0.0	T	11.5	4.7	1.0	T	0.1	0.0	0.0	17.3
2001-02	0.0	0.0	0.0	0.0	0.0	0.9	4.3	0.9	T	0.0	0.0	0.0	6.1
2002-03	0.0	0.0	0.0	0.0	T	7.8	1.8	11.4	0.0	T	0.0	0.0	21.0
2003-04	0.0	0.0	0.0	0.0	0.3	3.0	2.2	1.5	0.0	0.0	0.0	0.0	7.0
2004-05	0.0	0.0	0.0	0.0	0.0	22.3	T	0.3	T	0.0	0.0	0.0	22.6
2005-06	0.0	0.0	0.0	0.0	0.0	2.3	1.0	2.5	T	0.0	0.0	0.0	5.8
2006-07	0.0	0.0	0.0	0.0	0.0	T	T	3.6	T	T	0.0	0.0	3.6
2007-08	0.0	0.0	0.0	0.0	T	0.1	3.3	5.2	1.9	0.0	0.0	0.0	10.5
2008-09	0.0	0.0	0.0	T	T	0.8	6.5	T	0.0	T	0.0	0.0	7.3
2009-10	0.0	0.0	0.0	0.0	0.0	T	7.9	7.4	0.0	0.0	0.0	0.0	15.3
2010-11	0.0	0.0	0.0	0.0	T	6.6	7.0	1.9	T	0.0	0.0	0.0	15.5
2011-12	0.0	0.0	0.0	0.0	0.1	T	0.2	0.2	T	0.0	0.0	0.0	0.5
2012-13	0.0	0.0	0.0	0.0	T	10.7	0.3	1.3	T	0.0	0.0	0.0	12.3
2013-	0.0	0.0	0.0	0.0	T	7.2							
POR= 65 YRS	0.0	0.0	T	0.1	0.5	2.9	4.1	3.6	2.2	0.2	T	T	13.6

WBAN : 93817

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). 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. 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:</p> <p>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

EVANSVILLE

INDIANA (KEVV)

Evansville, Indiana, is located on the Ohio River. The country around Evansville ranges from level to areas of rolling terrain near the river. Dress Regional Airport, where the observations have been taken since August 31, 1940, is located in a shallow valley with low hills to the east and west which parallel the valley, but slope down to the south. There are hills 5 miles to the north which are about 100 feet higher than the field. The open end of the valley slopes down and south toward the city of Evansville and the Ohio River.

Records of precipitation, temperature, and wind are available from the city office locations prior to August 1940. Both precipitation and temperature records were from roof-top exposures in the city and from ground exposures at the airport. The airport exposure is not subject to the effect of an early morning smoke blanket that was prevalent over the city during the downtown exposure.

Prevailing wind direction is from the south-southwest. The strongest winds occur during a deep winter storm passage through the Lower Ohio Valley. Strong and cold north to northwest winds occur from late autumn to early spring, most often, in January and February, as large domes of arctic high pressure moves into the midwest.

Geographically, Evansville lies in the path of moisture-bearing low pressure formations that move from the western Gulf region, northeastward over the Mississippi and Ohio Valleys to the Great Lakes and northern Atlantic Coast. Much of the precipitation results from these storm systems, especially in the cooler part of the year.

Both temperature and precipitation are closely related to the movement of the polar front and the storms which move along the front. This is especially true in the winter and spring months.

In summer and early autumn changes are less severe and periods of polar air invasions are less prolonged. There is considerable variation in seasonal and monthly temperature and precipitation from year to year as these factors depend greatly on the frequency of storm and frontal passages. A comparatively few miles difference in the distance of the paths of these storms, often spells the difference between whether the precipitation is snow, rain, or freezing rain during winter months.

Convective thunderstorms, developing in the maritime tropical air from the Gulf of Mexico and squall line activity, seem to be the factors which combine to supply the summer rainfall. The greatest precipitation intensities for short periods of time come in the months of greatest thunderstorm frequency. The greatest intensities for 24 hours or more are confined to the winter months when storm centers to the south produce a sustained flow of overrunning Gulf air.

Severe storms are rather infrequent but thunderstorms cause some wind damage each year. Hail often occurs with the stronger thunderstorms. Evansville is in tornado alley with the most frequent occurrence in early spring and late fall. The tornado frequency would probably be less than one every ten years for Evansville.

Snowfall varies greatly from season to season, as do rainfall and temperature. Of note is the fact that snowfalls of 2 or more inches are very infrequent, and these amounts are usually melted within a day or two.

The growing season averages 199 days, but has been as long as 250 days and as short as 169 days.

Station History

EVANSVILLE, IN

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
EVANSVILLE MUNICIPAL AP	1929-10-19	1937-01-31	38° 1'	-87° 31'			WXSVC
EVANSVILLE DRESS MEMORIAL AP	1951-02-01	1970-05-25	38° 3'	-87° 31'	381		AIRWAYS, COOP
EVANSVILLE DRESS REGIONAL AP	1970-05-25	1973-01-01	38° 3'	-87° 31'	381		AIRWAYS, COOP
EVANSVILLE MUNICIPAL AP	1938-01-01	1939-12-31	38° 1'	-87° 31'			WXSVC
EVANSVILLE DRESS REGIONAL AP	1973-01-01	1989-04-18	38° 3'	-87° 31'	381		COOP, WXSVC
EVANSVILLE REGIONAL AP	2002-08-08	2007-11-07	38° 2'	-87° 31'	400		AIRWAYS, ASOS, COOP
EVANSVILLE REGIONAL AP	2007-11-07	Present	38° 2'	-87° 31'	400		AIRSAMPLE, AIRWAYS, ASOS, COOP
EVANSVILLE REGIONAL AP	1996-12-10	2002-08-08	38° 2'	-87° 32'	381		AIRWAYS, ASOS, COOP
EVANSVILLE MUNICIPAL AP	1940-09-01	1948-01-01	38° 1'	-87° 31'			AIRWAYS
EVANSVILLE DRESS REGIONAL AP	1989-04-18	1996-02-01	38° 3'	-87° 31'	380		COOP, WXSVC
EVANSVILLE REGIONAL AP	1996-12-07	1996-12-10	38° 2'	-87° 32'	381		ASOS, COOP
DRESS REGIONAL AP	1897-12-01	1929-10-19	38° 1'	-87° 31'			WXSVC
EVANSVILLE MUNICIPAL AP	1948-01-01	1950-10-29	38° 1'	-87° 31'	387		AIRWAYS, COOP
EVANSVILLE DRESS MEMORIAL AP	1950-10-29	1950-12-31	38° 1'	-87° 31'	387		AIRWAYS, COOP
EVANSVILLE REGIONAL AP	1996-02-01	1996-12-07	38° 2'	-87° 32'	381		ASOS, COOP, WXSVC

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
TEMP	1940-09-01	1950-12-31	DAILY	2400			
TEMP	2007-11-07	Present	DAILY	2400	HYGR		
TEMP	1951-02-01	1982-01-01	DAILY	2400			
TEMP	1982-01-01	1988-07-08	DAILY	2400			
PRECIP	1982-01-01	1988-07-08	HOURLY	2400			
EVAP	1988-07-08	1989-04-18	DAILY	1700	SIXES		
PRECIP	1994-06-01	1995-07-01	HOURLY	2400			
PRECIP	2007-11-07	Present	DAILY	2400	PCPN1		
PRECIP	2007-11-07	Present	HOURLY	2400	TB	RCRD	
EVAP	1951-02-01	1982-01-01	DAILY	1700			
PRECIP	1988-07-08	1994-06-01	DAILY		UNIV	RCRD	
PRECIP	1995-07-01	1997-01-01	DAILY	2400	UNIV	RCRD	
TEMP	1897-12-01	1939-12-31	DAILY	2400			
PRECIP	1951-02-01	1982-01-01	DAILY		UNIV	RCRD	
EVAP	1982-01-01	1988-07-08	DAILY	1700			
PRECIP	1988-07-08	1994-06-01	HOURLY	2400			
TEMP	1994-06-01	1995-07-01	DAILY	2400	MXMN		
TEMP	1997-01-01	2007-11-07	DAILY	2400	HYGR		
PRECIP	1897-12-01	1939-12-31	DAILY		UNIV	RCRD	
EVAP	1988-07-08	1989-04-18	DAILY	1700	PAN-LEVEL		
EVAP	1988-07-08	1989-04-18	DAILY	1700	WIND		
PRECIP	1982-01-01	1988-07-08	DAILY		UNIV	RCRD	
EVAP	1995-07-01	1997-01-01	DAILY	1700	MONEL (H)		
PRECIP	1997-01-01	2007-11-07	HOURLY	2400	TB	RCRD	
PRECIP	1997-01-01	2007-11-07	DAILY	2400	TB	RCRD	
EVAP	1897-12-01	1939-12-31	DAILY	1700			
EVAP	1940-09-01	1950-12-31	DAILY	1700			
PRECIP	1940-09-01	1950-12-31	DAILY		UNIV	RCRD	
PRECIP	1994-06-01	1995-07-01	DAILY		UNIV	RCRD	
EVAP	1994-06-01	1995-07-01	DAILY	1700	MONEL (H)		
TEMP	1995-07-01	1997-01-01	DAILY	2400	MXMN		
TEMP	1988-07-08	1994-06-01	DAILY	2400	MXMN		
PRECIP	1995-07-01	1997-01-01	HOURLY	2400	UNIV	RCRD	

* 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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