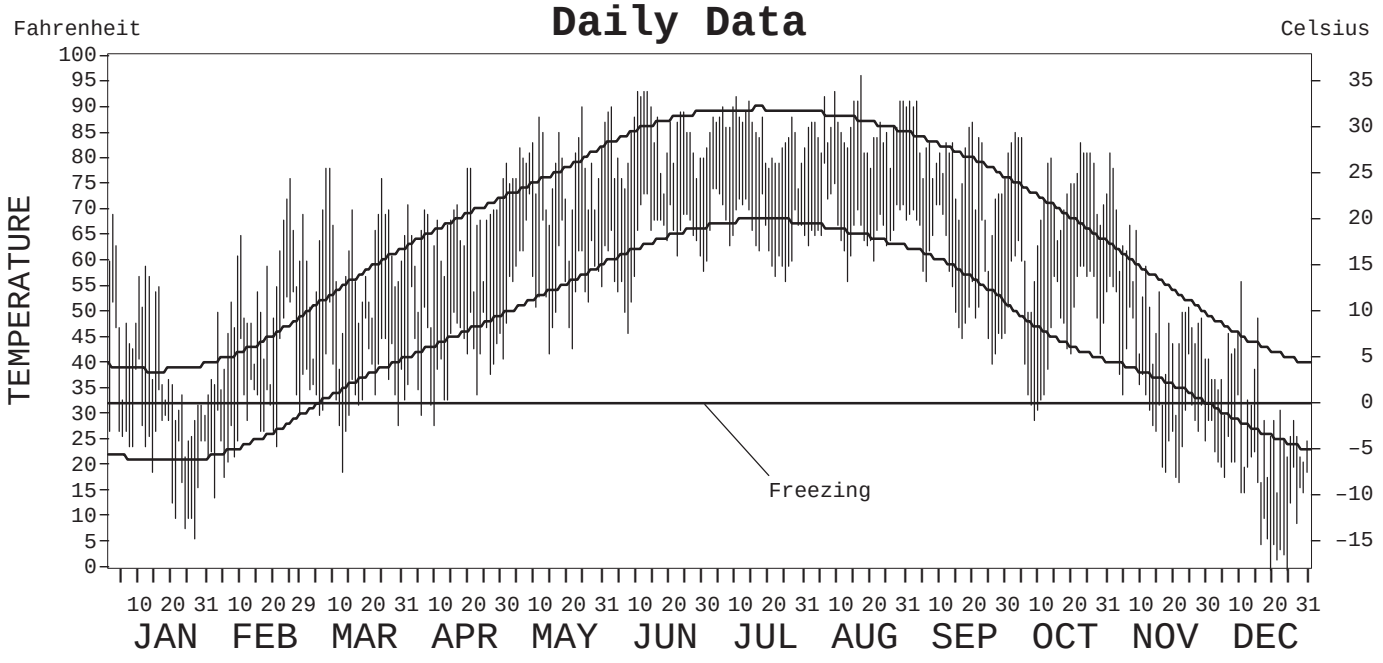
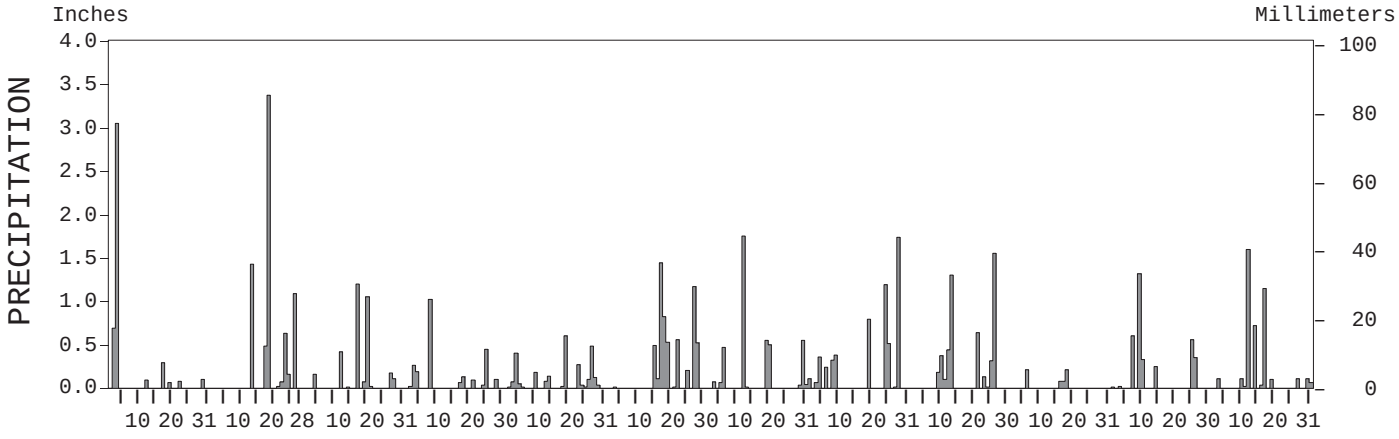
2000 LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

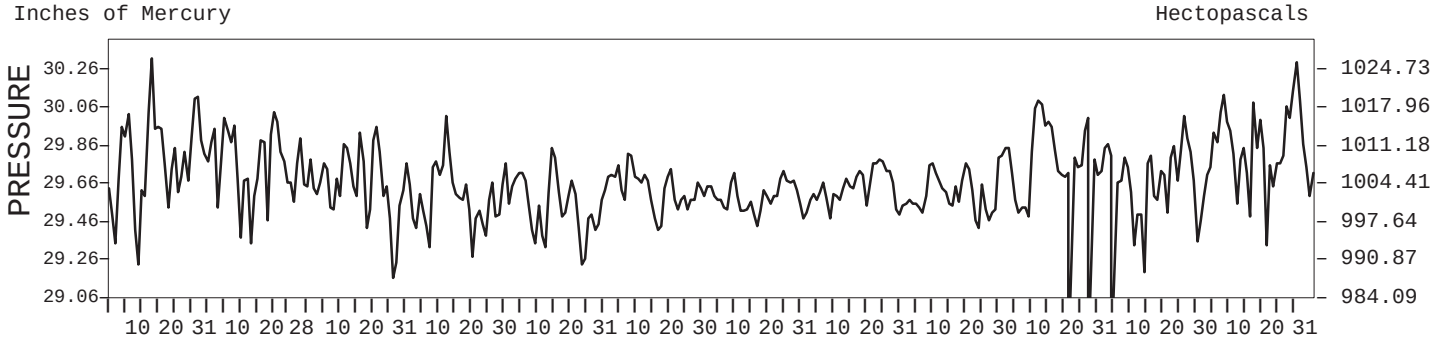
ISSN 0198-1943

EVANSVILLE,
INDIANA (EVV)

Daily Data







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Thomas R. Karl

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA

DIRECTOR NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2000

EVANSVILLE, IN (EVV)

LATITUDE: 38° 02′ 35″ N LONGITUDE: 87° 32′ 13″ W ELEVATION (FT): GRND: 381 BARO: 381 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	41.6	52.6	59.8	65.8	77.8	83.9	84.7	86.0	78.2	72.6	52.1	31.7	65.6
	HIGHEST DAILY MAXIMUM	69	76	78	78	90	93	92	96	91	85	81	56	96
	DATE OF OCCURRENCE	02	25	08+	20+	24	13+	10	17	03+	03	01	11	AUG 17
	MEAN DAILY MINIMUM	24.8	32.7	36.2	41.9	57.0	63.4	65.9	66.6	56.4	48.4	33.8	15.5	45.2
	LOWEST DAILY MINIMUM	6	14	19	28	42	46	56	56	40	29	17	0	0
	DATE OF OCCURRENCE	27	02	12	09	14	07	25	13	26	09	22	25+	DEC 25+
	AVERAGE DRY BULB	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
	MEAN WET BULB	30.3		44.1	49.0	62.3			71.2	62.6		39.7		
	MEAN DEW POINT	24.7		38.3	43.0	58.1			68.7	59.5		34.7		
	NUMBER OF DAYS WITH:													
	MAXIMUM ≥ 90°	0	0	0	0	1	6	4	8	3	0	0	0	22
	MAXIMUM ≤ 32°	9	0	0	0	0	0	0	0	0	0	2	18	29
	MINIMUM ≤ 32°	26	16	8	3	0	0	0	0	0	3	17	30	103
	MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	2	2
H/C	HEATING DEGREE DAYS	976	641	518	327	45	5	0	0	71	191	659	1277	4710
	COOLING DEGREE DAYS	0	0	0	0	126	271	327	356	146	57	6	0	1289
RH	MEAN (PERCENT)	72	71	70	67	72	72	77	79	79	74	74	77	74
	HOUR 00 LST	76	79	79	75	83	83	90	91	92	86	81	80	83
	HOUR 06 LST	79	80	85	83	84	88	90	92	93	89	82	81	86
	HOUR 12 LST	64	61	57	55	61	58	64	66	64	53	63	71	61
	HOUR 18 LST	71	66	59	57	60	59	67	71	71	67	69	75	66
S	PERCENT POSSIBLE SUNSHINE													
W/O	NUMBER OF DAYS WITH:													
	HEAVY FOG(VISBY ≤ 1/4 MI)	1	1	0	3	1	1	2	1	1	5	2	2	20
	THUNDERSTORMS	1	4	2	4	10	7	9	8	3	1	1	1	51
CLOUDINESS	SUNRISE-SUNSET: (OKTAS)													
	CEILOMETER (≤ 12,000 FT.)													
	SATELLITE (> 12,000 FT.)													
	MIDNIGHT-MIDNIGHT: (OKTAS)													
	CEILOMETER (≤ 12,000 FT.)													
	SATELLITE (> 12,000 FT.)													
	NUMBER OF DAYS WITH:													
	CLEAR													
	PARTLY CLOUDY													
	CLOUDY													
PR	MEAN STATION PRESS. (IN.)	29.77	29.75	29.65	29.58	29.54	29.62	29.58	29.63	29.63		29.66	29.85	
	MEAN SEA-LEVEL PRESS. (IN.)	30.20		30.06	29.99	29.94			30.03			30.08	30.28	
WINDS	RESULTANT SPEED (MPH)	2.4	2.8	1.1	2.2	2.2	2.8	1.4	0.8	1.1		2.1		
	RES. DIR. (TENS OF DEGS.)	29	26	33	29	25	24	32	11	09		29		
	MEAN SPEED (MPH)	8.6	8.4	7.4	8.1	7.7	7.1	5.2	5.1	5.6	4.4	7.1	7.9	6.9
	PREVAIL.DIR.(TENS OF DEGS.)	35	24	22	32	22	24	25	08	06	08	30	30	23
	MAXIMUM 2-MINUTE WIND:													
	SPEED (MPH)	30	28	31	40	34	46	24	30	32	21	35	39	46
	DIR. (TENS OF DEGS.)	33	27	03	27	29	28	26	03	24	24	26	29	28
	DATE OF OCCURRENCE	20	18	11	20	12	14	19	27	20	02	09	11	JUN 14
	MAXIMUM 5-SECOND WIND:													
	SPEED (MPH)	43	33	37	49	43	54	30	37	38	25	40	46	54
	DIR. (TENS OF DEGS.)	20	27	03	26	30	28	26	03	26	24	26	29	28
	DATE OF OCCURRENCE	03	18	11	20	12	14	19	27	20	02	09	11	JUN 14
PRECIPITATION	WATER EQUIVALENT:													
	TOTAL (IN.)	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
	GREATEST 24-HOUR (IN.)	3.74	3.84	1.20	1.02	0.60	2.19	1.76	1.75	1.55	0.29	1.51	1.60	3.84
	DATE OF OCCURRENCE	02-03	17-18	16	07	18	16-17	11-12	26-27	25	16-17	08-09	11	FEB 17-18
	NUMBER OF DAYS WITH:													
	PRECIPITATION ≥ 0.01	7	8	9	10	17	11	11	10	10	5	7	11	116
	PRECIPITATION ≥ 0.10	4	6	6	6	8	9	6	8	9	2	6	8	78
	PRECIPITATION ≥ 1.00	1	3	2	1	0	2	1	2	2	0	1	2	17
SNOWFALL	SNOW,ICE PELLETS,HAIL:													
	TOTAL (IN.)	4.1	T	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	11.5	15.6
	GREATEST 24-HOUR (IN.)	2.0	T	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	3.6	3.6
	DATE OF OCCURRENCE	22	04	11								22+	13	DEC 13
	MAXIMUM SNOW DEPTH (IN.)	1	T	T	0	0	0	0	0	0	0	0	3	3
	DATE OF OCCURRENCE	30+	05+	12+									31+	DEC 31+
	NUMBER OF DAYS WITH:													
	SNOWFALL ≥ 1.0	2	0	0	0	0	0	0	0	0	0	0	6	8

NORMALS, MEANS, AND EXTREMES

EVANSVILLE, IN (EVV)

LATITUDE: 38° 02′ 35″ N LONGITUDE: 87° 32′ 13″ W ELEVATION (FT): GRND: 381 BARO: 381 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	38.9	43.7	55.9	67.4	76.9	86.2	89.1	87.2	80.7	69.6	55.9	43.6	66.3
	MEAN DAILY MAXIMUM	53	40.1	45.3	55.3	67.3	76.9	85.9	88.7	87.3	80.9	70.1	55.4	44.1	66.4
	HIGHEST DAILY MAXIMUM	60	76	79	84	91	95	104	105	102	103	94	83	77	105
	YEAR OF OCCURRENCE		1943	1962	1986	1989	1975	1954	1954	1983	1953	1953	1961	1982	JUL 1954
	MEAN OF EXTREME MAXS.	53	63.4	67.9	77.3	84.0	89.3	95.6	96.8	95.7	93.1	85.6	74.9	65.1	82.4
	NORMAL DAILY MINIMUM	30	21.2	25.0	35.7	45.0	54.2	63.3	67.5	64.9	57.6	44.7	36.5	26.7	45.2
	MEAN DAILY MINIMUM	53	23.3	26.7	34.9	45.0	54.6	63.6	67.7	65.0	57.2	45.1	35.6	27.4	45.5
	LOWEST DAILY MINIMUM	60	-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.	53	1.2	6.3	17.8	28.9	39.4	50.1	56.3	53.6	41.7	29.5	19.2	7.8	29.3
	NORMAL DRY BULB	30	30.1	34.4	45.8	56.2	65.5	74.8	78.4	76.1	69.2	57.2	46.2	35.2	55.8
	MEAN DRY BULB	53	31.8	36.0	45.1	56.1	65.7	74.7	78.2	76.3	69.1	57.6	45.5	35.7	56.0
	MEAN WET BULB	16	30.3	34.2	41.2	50.3	60.1	67.9	71.4	65.2	62.2	51.5	39.9	31.1	50.4
	MEAN DEW POINT	16	25.5	28.9	34.8	44.0	55.1	63.6	67.8	61.8	58.0	46.2	35.0	26.7	45.6
	NORMAL NO. DAYS WITH:														
	MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.1	2.0	9.5	15.3	10.8	4.4	0.3	0.0	0.0	42.4
	MAXIMUM ≤ 32°	30	10.2	5.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	5.4	22.6
	MINIMUM ≤ 32°	30	25.3	20.3	13.0	2.6	0.1	0.0	0.0	0.0	0.0	3.3	11.7	22.0	98.3
	MINIMUM ≤ 0°	30	2.3	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.4
H/C	NORMAL HEATING DEG. DAYS	30	1082	857	595	273	114	0	0	0	33	266	564	924	4708
	NORMAL COOLING DEG. DAYS	30	0	0	0	9	130	294	415	344	159	25	0	0	1376
RH	NORMAL (PERCENT)	30	72	71	68	65	68	68	71	73	73	69	71	74	70
	HOUR 00 LST	30	75	76	74	74	79	80	83	85	85	80	76	77	79
	HOUR 06 LST	30	78	78	79	78	81	81	85	87	88	83	80	80	82
	HOUR 12 LST	30	66	65	60	54	54	54	57	58	57	53	62	68	59
	HOUR 18 LST	30	68	66	61	54	56	55	59	61	66	64	68	72	62
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(VISBY≤1/4 MI)	60	2.3	1.5	1.1	0.4	0.6	0.5	0.8	1.0	1.4	1.5	1.2	2.0	14.3
	THUNDERSTORMS	60	1.0	1.2	3.5	5.0	6.6	7.6	7.5	5.1	3.1	2.0	1.5	0.6	44.7
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	4.4
	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)	28	29.70	29.69	29.60	29.60	29.59	29.60	29.60	29.60	29.60	29.70	29.71	29.71	29.64
	MEAN SEA-LEVEL PRES. (IN)	17	30.15	30.13	30.06	29.96	29.97	30.01	30.00	30.03	30.05	30.10	30.11	30.19	30.06
WINDS	MEAN SPEED (MPH)	48	9.4	9.3	9.9	9.7	8.0	7.1	6.2	5.6	6.3	6.8	8.6	8.9	8.0
	PREVAIL.DIR(TENS OF DEGS)	32	34	32	31	22	22	22	24	23	17	18	21	32	22
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	4	34	41	33	44	46	46	34	37	32	33	38	39	46
	DIR. (TENS OF DEGS)		26	27	29	28	27	28	33	27	24	25	24	29	28
	YEAR OF OCCURRENCE		1999	1997	1997	1997	1999	2000	1997	1999	2000	1997	1998	2000	JUN 2000
	MAXIMUM 5-SECOND:														
	SPEED (MPH)	4	43	51	45	54	68	54	45	44	38	45	48	46	68
	DIR. (TENS OF DEGS)		20	24	28	26	23	28	34	27	26	26	25	29	23
	YEAR OF OCCURRENCE		2000	1999	1997	1997	1999	2000	1997	1999	2000	1997	1998	2000	MAY 1999
PRECIPITATION	NORMAL (IN)	30	2.66	3.12	4.71	4.02	4.75	3.49	4.04	3.11	2.97	2.87	3.73	3.67	43.14
	MAXIMUM MONTHLY (IN)	60	13.50	7.26	12.84	11.83	13.51	9.30	9.69	8.43	9.89	8.33	8.49	8.23	13.51
	YEAR OF OCCURRENCE		1950	2000	1964	1996	1995	1943	1958	1977	1945	1941	1957	1982	MAY 1995
	MINIMUM MONTHLY (IN)	60	0.51	0.27	0.89	1.10	0.91	0.65	0.18	0.13	0.39	0.01	0.51	0.56	0.01
	YEAR OF OCCURRENCE		1981	1947	1941	1959	1965	1991	1974	1943	1999	1964	1999	1976	OCT 1964
	MAXIMUM IN 24 HOURS (IN)	60	3.74	3.84	5.63	7.26	6.05	3.67	4.09	3.70	3.45	3.00	3.48	2.35	7.26
	YEAR OF OCCURRENCE		2000	2000	1964	1996	1961	1996	1978	1977	1945	1976	1988	1990	APR 1996
	NORMAL NO. DAYS WITH:														
	PRECIPITATION ≥ 0.01	30	9.9	9.5	11.9	11.5	10.8	9.3	8.9	7.4	7.6	7.6	9.6	10.9	114.9
	PRECIPITATION ≥ 1.00	30	0.6	0.9	1.1	1.0	1.3	0.8	1.2	1.1	0.7	0.7	1.1	0.9	11.4
SNOWFALL	NORMAL (IN)	30	4.9	4.3	2.6	0.5	0.0	0.0	0.0	0.0	0.0	0.*	0.6	2.6	15.5
	MAXIMUM MONTHLY (IN)	60	21.3	18.4	20.2	8.6	T	T	0.0	0.0	T	4.6	6.9	11.5	21.3
	YEAR OF OCCURRENCE		1977	1993	1960	1971	1993	1994			1990	1993	1958	2000	JAN 1977
	MAXIMUM IN 24 HOURS (IN)	60	8.7	10.9	10.6	8.6	T	T	0.0	0.0	T	4.1	6.9	7.0	10.9
	YEAR OF OCCURRENCE		1978	1993	1960	1971	1993	1994			1990	1993	1958	1963	FEB 1993
	MAXIMUM SNOW DEPTH (IN)	52	14	12	13	4	0	0	0	0	0	2	7	7	14
	YEAR OF OCCURRENCE		1978	1998	1960	1971						1993	1958	1984	JAN 1978
	NORMAL NO. DAYS WITH:														
	SNOWFALL ≥ 1.0	30	1.7	1.3	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	4.8

PRECIPITATION (inches) 2000 EVANSVILLE, IN (EVV)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1971	2.88	4.90	1.65	2.81	3.96	6.89	3.38	2.17	4.47	2.42	1.57	3.15	40.25
1972	1.68	3.05	5.05	6.66	1.84	1.92	5.31	2.49	1.25	3.06	5.47	4.49	42.27
1973	2.45	1.65	6.97	5.47	5.57	5.24	3.41	2.83	0.73	1.99	6.02	3.85	46.18
1974	3.63	1.51	4.54	3.66	6.38	3.81	0.18	6.89	3.90	1.88	3.85	3.04	43.27
1975	4.05	4.06	7.18	6.62	3.63	3.07	3.13	5.47	2.60	2.73	4.21	4.26	51.01
1976	2.11	2.61	2.25	1.30	7.48	4.24	2.14	0.24	3.29	4.82	1.05	0.56	32.09
1977	1.91	1.29	6.17	3.34	2.68	6.57	4.83	8.43	4.58	2.81	4.30	3.17	50.08
1978	2.64	0.76	4.69	3.49	3.93	0.84	7.66	3.64	2.72	1.61	4.86	6.12	42.96
1979	3.60	4.80	6.30	6.07	3.72	2.78	7.22	2.36	2.83	2.68	6.82	3.03	52.21
1980	1.77	1.25	4.38	2.73	4.10	6.01	4.50	2.15	2.51	3.13	2.34	0.89	35.76
1981	0.51	2.89	1.70	2.50	12.89	1.78	5.08	6.04	2.00	2.36	3.40	2.20	43.35
1982	9.15	1.65	5.07	3.24	4.29	2.95	2.62	3.41	6.07	1.75	4.25	8.23	52.68
1983	1.79	0.74	4.33	10.26	8.87	4.59	1.51	0.94	0.73	5.62	5.55	3.55	48.48
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
POR= 123 YRS	3.52	3.16	4.26	4.06	4.27	3.91	3.49	3.10	3.02	2.68	3.51	3.41	42.39

WBAN : 93817

AVERAGE TEMPERATURE (˚F) 2000 EVANSVILLE, IN (EVV)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1971	29.8	33.6	42.0	56.1	63.4	79.3	77.1	76.6	72.7	63.8	45.7	42.1	56.9
1972	32.5	34.1	44.2	56.4	66.0	71.4	75.6	73.8	70.5	53.4	41.5	34.4	54.5
1973	32.7	34.6	53.6	55.1	62.4	75.8	79.1	77.5	73.2	62.1	49.6	34.1	57.5
1974	37.4	40.0	50.1	57.0	67.0	70.9	79.4	74.2	63.2	56.2	47.4	36.9	56.6
1975	36.8	38.3	42.6	55.1	69.6	76.2	77.8	77.3	66.5	58.4	48.8	36.9	57.0
1976	29.3	43.1	51.6	57.2	61.6	73.3	77.0	73.6	67.1	52.4	38.7	31.8	54.7
1977	14.8	33.9	51.2	61.5	72.0	75.4	80.9	76.9	72.4	55.6	48.8	33.5	56.4
1978	20.3	21.0	39.8	57.5	64.4	76.8	79.1	76.6	72.0	54.5	49.0	36.8	54.0
1979	20.9	24.6	46.7	54.3	63.5	75.1	76.6	74.8	68.3	56.5	44.1	38.6	53.7
1980	33.1	26.8	40.3	52.8	65.4	73.2	82.0	81.6	72.4	55.4	45.1	37.3	55.5
1981	29.6	37.2	44.7	61.7	61.4	76.6	78.5	75.9	67.2	57.0	48.3	34.5	56.1
1982	27.4	32.1	47.8	52.1	70.7	70.7	79.6	74.1	67.5	59.2	48.9	45.2	56.3
1983	35.2	39.3	46.5	51.5	62.7	74.7	81.4	81.9	70.6	59.3	47.7	26.2	56.4
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
POR= 104 YRS	33.1	36.0	45.7	56.1	65.9	75.1	78.8	77.0	70.3	58.7	46.2	36.0	56.6

HEATING DEGREE DAYS (base 65˚F) 2000 EVANSVILLE, IN (EVV)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1971–72	0	0	23	85	571	701	1000	887	639	274	64	16	4260
1972–73	2	3	26	356	702	940	997	844	345	312	106	0	4633
1973–74	0	0	11	160	459	954	849	696	480	264	71	6	3950
1974–75	0	0	124	280	537	865	867	742	689	319	23	0	4446
1975–76	0	0	75	223	484	861	1100	628	417	275	139	0	4202
1976–77	0	0	27	391	786	1021	1549	867	428	162	32	4	5267
1977–78	0	0	3	289	495	970	1377	1228	774	233	137	0	5506
1978–79	0	0	10	323	473	865	1360	1125	559	326	106	0	5147
1979–80	0	1	28	290	619	813	982	1103	756	367	81	10	5050
1980–81	0	0	24	329	591	852	1090	771	624	161	155	0	4597
1981–82	0	0	53	256	498	940	1160	914	534	386	16	0	4757
1982–83	0	0	52	233	486	618	918	711	567	406	106	4	4101
1983–84	0	0	61	186	514	1195	1169	747	769	329	131	0	5101
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–	0	0	71	191	659	1277							

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COOLING DEGREE DAYS (base 65˚F) 2000 EVANSVILLE, IN (EVV)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1971	0	0	0	28	49	437	382	367	260	53	0	0	1576
1972	0	0	2	21	99	214	337	285	196	2	4	0	1160
1973	0	0	0	23	35	331	438	396	265	76	3	0	1567
1974	0	0	26	28	141	188	452	292	73	14	15	0	1229
1975	0	0	0	29	176	342	406	388	129	29	1	0	1500
1976	0	0	6	47	40	258	379	274	98	10	0	0	1112
1977	0	0	9	61	255	323	501	376	232	6	16	0	1779
1978	0	0	0	16	125	361	444	366	229	7	2	0	1550
1979	0	0	0	13	65	310	365	312	138	35	0	0	1238
1980	0	0	0	5	102	264	535	521	257	39	3	0	1726
1981	0	0	1	69	50	355	425	343	128	15	3	0	1389
1982	0	0	10	3	198	179	458	290	134	59	9	11	1351
1983	0	0	3	8	42	303	514	532	236	17	0	0	1655
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

SNOWFALL (inches) 2000 EVANSVILLE, IN (EVV)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1971–72	0.0	0.0	0.0	0.0	3.4	T	2.0	1.5	0.7	T	0.0	0.0	7.6
1972–73	0.0	0.0	0.0	0.0	0.3	3.5	0.6	1.6	T	0.3	0.0	0.0	6.3
1973–74	0.0	0.0	0.0	0.0	0.0	10.4	0.4	1.0	3.4	T	0.0	0.0	15.2
1974–75	0.0	0.0	0.0	0.0	T	3.0	1.5	1.3	13.3	T	0.0	0.0	19.1
1975–76	0.0	0.0	0.0	0.0	1.7	1.3	2.9	0.8	0.2	0.0	0.0	0.0	6.9
1976–77	0.0	0.0	0.0	0.0	0.3	4.3	21.3	0.9	T	T	0.0	0.0	26.8
1977–78	0.0	0.0	0.0	0.0	3.9	1.7	20.8	5.3	5.7	0.0	0.0	0.0	37.4
1978–79	0.0	0.0	0.0	0.0	0.0	T	15.0	8.5	0.1	0.0	0.0	0.0	23.6
1979–80	0.0	0.0	0.0	0.0	T	T	7.1	5.0	4.2	T	0.0	0.0	16.3
1980–81	0.0	0.0	0.0	0.0	0.5	0.2	2.2	0.5	T	0.0	0.0	0.0	3.4
1981–82	0.0	0.0	0.0	0.0	0.1	0.7	4.1	6.8	0.3	3.0	0.0	0.0	15.0
1982–83	0.0	0.0	0.0	0.0	T	T	1.3	1.2	1.0	0.6	0.0	0.0	4.1
1983–84	0.0	0.0	0.0	0.0	T	1.6	5.5	9.7	2.8	0.0	0.0	0.0	19.6
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–	0.0	0.0	0.0	0.0	T	11.5							
POR= 58 YRS	0.0	0.0	T	0.1	0.6	2.7	4.0	3.5	2.6	0.3	T	T	13.8

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REFERENCE NOTES:

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).

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.
NORMALS ARE 30-YEAR AVERAGES (1961 – 1990).
ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM.
PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH.
POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING.
WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED.
0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05.
CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET.
THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.

GENERAL CONTINUED:
CLEAR INDICATES 0 – 2 OKTAS, PARTLY CLOUDY INDICATES 3 – 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS. WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED.
WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. ”00” INDICATES CALM. ”36” INDICATES TRUE NORTH.
RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION.
AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2.
SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL.
A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65° F.
DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR.
DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY.
WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.

ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE ”METAR” OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.

2000
EVANSVILLE, INDIANA (EVV)

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 3l, l940, 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 l00 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 l940. 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 LOCATION

EVANSVILLE, INDIANA

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE SEA LEVEL: GROUND TEMPERATURE SITE	ELEVATION ABOVE GROUND: WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUN-SHINE SWITCH	TIPPING BUCKET RAIN GAUGE	WEIGHING RAIN GAGE	8 INCH RAIN GAGE	HYGROTHERMOMETER	AUTOMATIC OBSERVING EQUIPMENT *	REMARKS
*NOTE:																
AIRPORT																
Aerological Building Municipal Airport +	8/31/40	2/21/51	No Change	38°02′	87°32′	385	40	12 b6	11 b6	Unk	3	a4	3			a. Installed 11/19/40. b. Lowered 4/19/46.
+ Dress Memorial AP (Effective 10/29/50) Terminal Building Dress Memorial Airport+	2/22/51	2/01/96	0.1 mi. N	38°03′	87°32′	383 e381	64 d20	7 g5 h5 m5	7 g5 h5 m5	52 f55 m55	4 h4 i4 m4	5 h5 i5 m5	4 h4 i4 m4	c5 j5 k5 m5		c. Telepsychrometer (7′) 4/1/55–9/23/61. Hygro. comm. 2100′ NE of thermometer site 9/23/61. d. Effective 9/29/61. e. Established 10/23/61. f. Effective 3/13/64. g. Effective 7/29/71. h. Moved 100′ NE 9/25/73. i. Minor adjustment 11/16/77. j. Type change 10/15/82. k. Type change 10/23/85. m. Minor move 3/3/92.
+ Dress Regional AP (Effective 5/25/70)																
Dress Regional Airport	02/01/96	Present	NA	38°03′	87°32′	381									S	ASOS Commissioned 02/01/96

* TYPE

M = AMOS
T = AUTOB
S = ASOS
W = AWOS

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*** NOTES: For earlier station history see previous editions.**