

1998

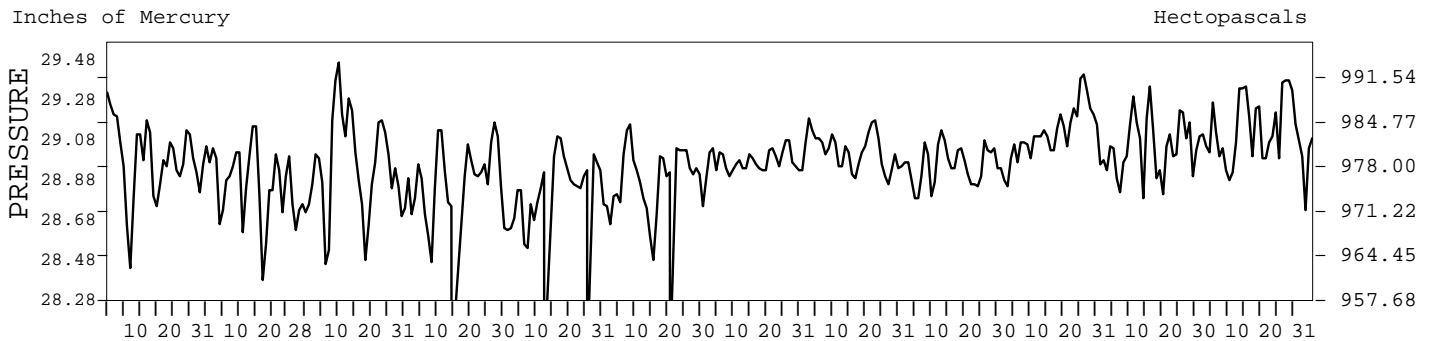
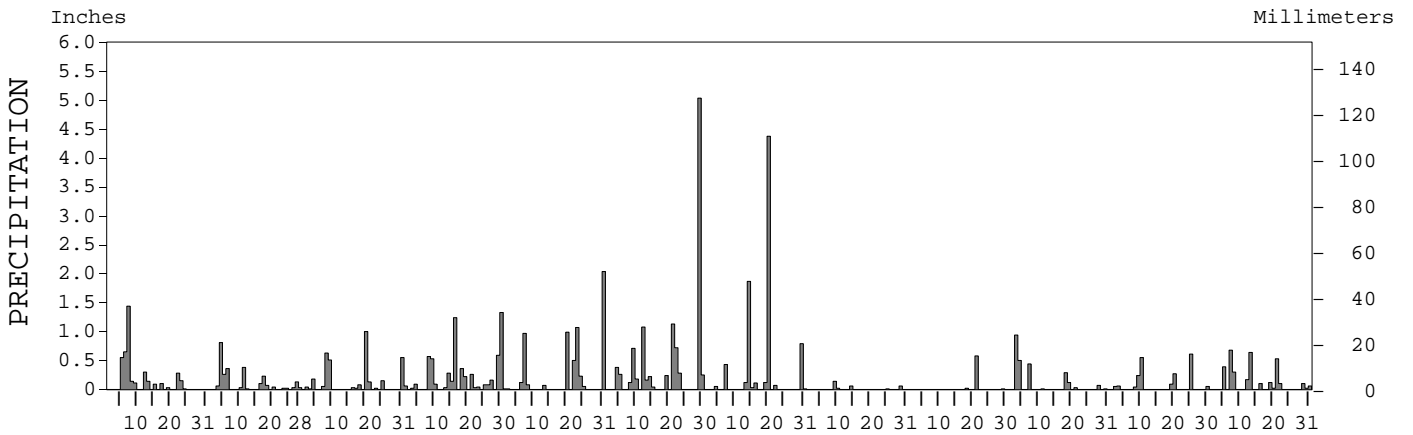
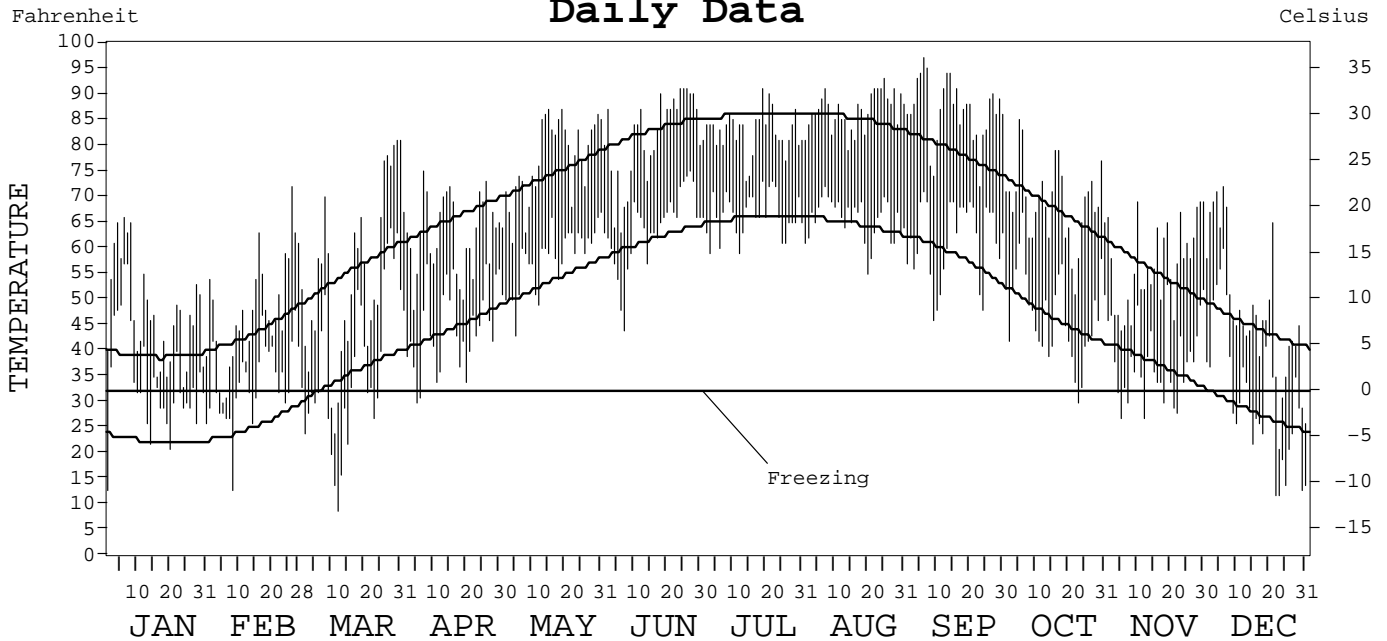
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-2249

LEXINGTON,
KENTUCKY (LEX)

Daily Data



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Thomas R. Karl

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	NATIONAL ENVIRONMENTAL AND INFORMATION SERVICE	NATIONAL SATELLITE, DATA, AND INFORMATION SERVICE	NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA	DIRECTOR NATIONAL CLIMATIC DATA CENTER
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METEOROLOGICAL DATA FOR 1998

LEXINGTON, KY (LEX)

LATITUDE: 38° 02' 27" N LONGITUDE: 84° 36' 21" W ELEVATION (FT): GRND: 966 BARO: 990 TIME ZONE: EASTERN (UTC+ 5) WBAN: 93820

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	47.3	48.0	54.7	62.9	77.1	81.6	82.6	86.7	86.7	68.8	56.8	47.7	66.7	
	HIGHEST DAILY MAXIMUM	66	72	81	75	87	91	91	93	97	85	69	72	97	
	DATE OF OCCURRENCE	06	26	31+	07	19+	26+	19	25	06	05	30+	06	SEP 06	
	MEAN DAILY MINIMUM	34.1	34.2	36.8	44.5	57.8	63.8	66.4	65.6	61.5	47.0	37.9	31.6	48.4	
	LOWEST DAILY MINIMUM	13	13	9	30	43	44	59	55	46	30	27	12	9	
	DATE OF OCCURRENCE	01	08	12	05	05	07	12+	20	09	23	12+	23+	MAR 12	
	AVERAGE DRY BULB	40.7	41.1	45.8	53.7	67.5	72.7	74.5	76.2	74.1	57.9	47.4	39.7	57.6	
	MEAN WET BULB	37.9	38.5	40.7				69.1	69.6	65.1	53.0		37.7		
	MEAN DEW POINT	34.1	35.1	35.0				66.2	66.2	59.8	48.8		34.0		
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	0	6	2	8	9	0	0	0	25	
	MAXIMUM ≤ 32°	0	3	3	0	0	0	0	0	0	0	0	4	10	
	MINIMUM ≤ 32°	17	14	15	2	0	0	0	0	0	1	7	17	73	
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	745	666	614	331	46	24	0	0	8	237	522	781	3974	
	COOLING DEGREE DAYS	0	0	25	0	132	264	303	356	291	24	0	1	1396	
RH	MEAN (PERCENT)	79	82	70	70	76	78	77	75	65	74	71	82	75	
	HOUR 01 LST	81	85	74	76	85	88	86	86	78	83	76	86	82	
	HOUR 07 LST	85	92	81	82	87	90	88	90	85	89	82	91	87	
	HOUR 13 LST	74	75	60	58	63	68	66	59	46	58	60	73	63	
	HOUR 19 LST	78	77	64	62	69	71	68	65	57	68	69	77	69	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	1	2	3	1	4	2	3	5	0	4	2	1	28	
	THUNDERSTORMS	0	0	0	5	10	11	6	1	2	0	1	0	36	
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.)	28.99	28.86	28.94				28.98	29.02	28.95	29.12	29.05	29.13		
	MEAN SEA-LEVEL PRESS. (IN.)	30.07	29.93	30.02				30.02	30.06		30.18		30.21		
WINDS	RESULTANT SPEED (MPH)	2.9	1.2					0.4	0.5	0.6	0.9	2.5	2.2		
	RES. DIR. (TENS OF DEGS.)	19	14					16	02	21	15	18	20		
	MEAN SPEED (MPH)	7.8	8.2	9.3	7.9	5.8	7.4	5.0	5.4	5.4	5.6	7.5	7.6	6.9	
	PREVAIL. DIR. (TENS OF DEGS.)	18	11	36	36	17	21	05	05	21	18	17	19	18	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	23	30	31	30	28	44	23	18	24	21	32	26	44	
	DIR. (TENS OF DEGS.)	28	14	21	22	32	30	09	23	24	20	17	30	30	
	DATE OF OCCURRENCE	29	11	28	01	23+	29	20	24+	07	18+	10	21+	JUN 29	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	30	34	46	40	37	56	26	23	32	29	43	33	56	
DIR. (TENS OF DEGS.)	21	13	21	17	32	30	16	23	23	23	19	31	30		
DATE OF OCCURRENCE	03	11	28	08	23+	29	22+	24+	07	18	10	30	JUN 29		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	3.99	2.58	3.40	6.20	6.14	10.81	7.98	0.29	0.61	2.41	1.96	3.23	49.60	
	GREATEST 24-HOUR (IN.)	1.52	0.81	1.01	1.79	2.04	5.04	4.38	0.14	0.58	1.12	0.79	0.71	5.04	
	DATE OF OCCURRENCE	07-08	04	20-21	29-30	31	29	20	09	21	03-04	09-10	07-08	JUN 29	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	13	16	14	20	12	15	11	5	3	9	9	13	140	
PRECIPITATION ≥ 0.10	10	7	7	11	7	14	7	1	1	5	4	10	84		
PRECIPITATION ≥ 1.00	1	0	1	2	2	3	2	0	0	0	0	0	11		
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)														
	GREATEST 24-HOUR (IN.)														
	DATE OF OCCURRENCE														
	MAXIMUM SNOW DEPTH (IN.)														
	DATE OF OCCURRENCE														
NUMBER OF DAYS WITH:															
SNOWFALL ≥ 1.0															

NORMALS, MEANS, AND EXTREMES

LEXINGTON, KY (LEX)

LATITUDE: 38° 02' 27" N LONGITUDE: 84° 36' 21" W ELEVATION (FT): GRND: 966 BARO: 990 TIME ZONE: EASTERN (UTC+ 5) WBAN: 93820

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	39.1	43.6	55.3	65.5	74.3	82.7	85.8	84.9	78.3	67.2	54.9	44.2	64.7	
	MEAN DAILY MAXIMUM	51	40.3	44.8	54.3	65.4	74.6	82.8	86.0	84.9	78.8	67.6	54.3	44.5	64.9	
	HIGHEST DAILY MAXIMUM	54	76	80	83	88	92	101	103	103	103	91	83	75	103	
	YEAR OF OCCURRENCE		1950	1996	1945	1962	1987	1988	1988	1983	1983	1954	1959	1987	1982	JUL 1988
	MEAN OF EXTREME MAXS.	51	62.8	66.1	75.7	82.2	86.7	91.8	93.8	93.1	90.4	82.5	73.6	64.9	80.3	
	NORMAL DAILY MINIMUM	30	22.4	25.3	35.3	44.2	53.5	61.5	65.7	64.4	58.0	46.0	37.0	27.6	45.1	
	MEAN DAILY MINIMUM	51	23.9	26.7	34.4	44.0	53.7	62.1	66.3	64.7	57.8	46.2	36.0	28.0	45.3	
	LOWEST DAILY MINIMUM	54	-21	-15	-2	18	26	39	47	42	34	20	-3	-19	-21	
	YEAR OF OCCURRENCE		1963	1951	1960	1982	1966	1966	1972	1965	1993	1976	1950	1989		JAN 1963
	MEAN OF EXTREME MINS.	51	0.8	4.3	16.5	27.5	37.6	48.7	55.3	53.2	42.0	29.9	18.5	7.6	28.5	
	NORMAL DRY BULB	30	30.8	34.5	45.3	54.8	64.0	72.2	75.8	74.7	68.2	56.7	46.0	35.9	54.9	
	MEAN DRY BULB	51	32.2	35.7	44.3	54.7	64.1	72.4	76.2	74.9	68.3	56.9	45.1	36.3	55.1	
	MEAN WET BULB	15	30.2	33.6	40.1	48.3	58.0	66.2	69.4	68.1	61.8	51.3	41.4	34.0	50.2	
	MEAN DEW POINT	15	25.3	27.7	33.4	41.5	53.4	62.3	65.9	64.8	57.9	46.3	36.2	29.2	45.3	
	NORMAL NO. DAYS WITH:															
MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.0	0.4	3.3	6.8	5.9	1.8	0.0	0.0	0.0	18.2		
MAXIMUM ≤ 32°	30	9.9	5.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	5.4	22.4		
MINIMUM ≤ 32°	30	24.3	20.2	13.3	3.6	0.1	0.0	0.0	0.0	0.0	2.4	10.9	20.8	95.6		
MINIMUM ≤ 0°	30	2.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	3.3		
H/C	NORMAL HEATING DEG. DAYS	30	1060	854	611	312	135	5	0	0	47	287	570	902	4783	
	NORMAL COOLING DEG. DAYS	30	0	0	0	6	104	221	335	301	143	30	0	0	1140	
RH	NORMAL (PERCENT)	30	73	71	66	63	68	69	72	72	73	69	72	74	70	
	HOUR 01 LST	30	76	75	72	69	76	80	83	83	83	77	76	77	77	
	HOUR 07 LST	30	80	79	77	75	80	82	85	87	88	84	81	81	82	
	HOUR 13 LST	30	68	64	58	54	56	56	58	58	58	56	62	68	60	
	HOUR 19 LST	30	70	66	60	55	59	60	63	64	66	64	68	72	64	
S	PERCENT POSSIBLE SUNSHINE															
W/O	MEAN NO. DAYS WITH:															
	HEAVY FOG (VISBY ≤ 1/4 MI)	54	2.4	2.0	1.4	0.7	1.1	1.1	1.5	2.0	2.1	1.8	1.3	2.0	19.4	
	THUNDERSTORMS	54	0.8	0.9	2.8	3.9	6.4	8.1	8.7	6.4	3.0	1.4	1.0	0.4	43.8	
CLOUDINESS	MEAN:															
	SUNRISE-SUNSET (OKTAS)	52	5.9	5.7	5.6	5.3	5.0	4.8	4.6	4.3	4.2	4.2	5.3	5.7	5.0	
	MIDNIGHT-MIDNIGHT (OKTAS)	32	5.8	5.5	5.3	4.9	4.7	4.6	4.3	4.0	4.1	4.1	5.1	5.6	4.8	
	MEAN NO. DAYS WITH:															
	CLEAR	52	5.5	5.7	5.8	6.3	7.0	6.9	8.0	9.5	10.5	11.6	6.7	5.8	89.3	
PARTLY CLOUDY	52	5.8	5.6	7.3	8.5	10.0	11.8	12.3	11.9	8.4	7.2	6.7	5.7	101.2		
CLOUDY	52	19.7	17.0	17.9	15.2	14.0	11.3	10.7	9.6	11.1	12.1	16.6	19.5	174.7		
PR	MEAN STATION PRESSURE (IN)	26	29.05	29.02	28.96	28.94	28.94	28.96	28.99	29.01	29.03	29.05	29.04	29.04	29.00	
	MEAN SEA-LEVEL PRES. (IN)	14	30.13	30.09	30.04	29.96	29.99	29.97	30.01	30.03	30.07	30.10	30.11	28.14	29.89	
WINDS	MEAN SPEED (MPH)	43	10.8	10.5	11.1	10.4	8.5	7.8	7.1	6.8	7.5	8.1	9.9	10.2	9.1	
	PREVAIL. DIR (TENS OF DEGS)	27	18	18	18	18	18	18	18	18	18	18	18	18	18	
	MAXIMUM 2-MINUTE:															
	SPEED (MPH)	2	43	30	31	34	33	44	24	36	28	26	32	26	44	
	DIR. (TENS OF DEGS)		22	26	21	16	31	30	36	27	24	29	17	30	30	
	YEAR OF OCCURRENCE		1997	1997	1998	1997	1997	1998	1997	1997	1997	1997	1998	1998	JUN 1998	
	MAXIMUM 5-SECOND:															
SPEED (MPH)	2	54	39	46	43	40	56	36	45	38	36	43	33	56		
DIR. (TENS OF DEGS)		21	27	21	23	31	30	02	25	29	27	19	31	30		
YEAR OF OCCURRENCE		1997	1997	1998	1997	1997	1998	1997	1997	1997	1997	1998	1998	JUN 1998		
PRECIPITATION	NORMAL (IN)	30	2.86	3.21	4.40	3.88	4.47	3.66	5.00	3.93	3.20	2.57	3.39	3.98	44.55	
	MAXIMUM MONTHLY (IN)	54	16.65	10.12	13.82	9.30	10.84	11.69	10.64	11.18	9.69	6.13	6.87	10.17	16.65	
	YEAR OF OCCURRENCE		1950	1989	1997	1970	1983	1960	1958	1974	1979	1983	1951	1990	JAN 1950	
	MINIMUM MONTHLY (IN)	54	0.37	0.67	0.99	0.79	1.20	0.61	1.26	0.29	0.24	0.33	0.45	0.61	0.24	
	YEAR OF OCCURRENCE		1981	1978	1966	1946	1965	1988	1995	1998	1959	1963	1976	1965	SEP 1959	
	MAXIMUM IN 24 HOURS (IN)	54	2.98	3.79	5.56	4.39	3.24	5.88	4.73	3.56	4.35	3.21	2.71	3.77	5.88	
	YEAR OF OCCURRENCE		1951	1989	1997	1948	1983	1960	1978	1968	1979	1962	1988	1978	JUN 1960	
	NORMAL NO. DAYS WITH:															
PRECIPITATION ≥ 0.01	30	11.3	11.2	12.5	11.9	12.0	10.2	11.2	9.2	8.7	8.4	10.7	11.8	129.1		
PRECIPITATION ≥ 1.00	30	0.6	0.7	1.1	0.9	1.1	0.7	1.5	1.0	0.7	0.5	0.9	0.9	10.6		
SNOWFALL	NORMAL (IN)	30	6.4	5.2	2.2	0.4	T	0.0	0.0	0.0	0.0	0.*	0.8	2.5	17.5	
	MAXIMUM MONTHLY (IN)	52	21.9	16.4	17.7	5.9	T	T	T	T	0.0	0.2	9.7	10.7	21.9	
	YEAR OF OCCURRENCE		1978	1960	1960	1987	1995	1993	1989	1989		1972	1950	1967	JAN 1978	
	MAXIMUM IN 24 HOURS (IN)	52	10.2	7.3	9.5	4.9	T	T	T	T	0.0	0.2	7.5	7.8	10.2	
	YEAR OF OCCURRENCE		1994	1971	1947	1987	1995	1993	1989	1989		1972	1966	1967	JAN 1994	
	MAXIMUM SNOW DEPTH (IN)	48	14	9	12	2	0	0	0	0	0	0	8	5	14	
	YEAR OF OCCURRENCE		1978	1985	1960	1961							1950	1984	JAN 1978	
NORMAL NO. DAYS WITH:																
SNOWFALL ≥ 1.0	30	2.0	1.7	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	5.5		

PRECIPITATION (inches) 1998 LEXINGTON, KY (LEX)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	4.26	1.60	1.50	3.83	3.78	4.61	4.37	5.96	0.49	1.53	3.42	4.15	39.50
1970	0.95	3.60	4.72	9.30	3.18	3.81	3.39	2.61	5.71	2.37	2.35	5.51	47.50
1971	3.29	4.72	2.02	2.10	6.14	7.84	7.64	0.88	3.51	0.52	1.71	4.30	44.67
1972	4.10	5.60	4.04	8.75	3.84	3.61	5.58	3.95	4.30	2.71	4.21	6.92	57.61
1973	1.53	1.58	5.08	5.67	8.22	6.06	5.15	3.58	1.40	2.65	6.58	3.42	50.92
1974	6.39	2.24	5.89	3.33	5.52	7.21	4.82	11.18	4.18	1.53	4.08	3.72	60.09
1975	3.66	5.70	10.38	6.17	2.69	2.23	5.60	3.96	6.46	5.09	2.93	4.24	59.11
1976	3.59	4.67	3.72	1.24	3.16	3.34	6.74	1.26	4.23	3.86	0.45	1.22	37.48
1977	2.30	1.03	4.21	3.42	1.51	4.80	4.59	4.83	2.71	3.77	3.95	3.04	40.16
1978	6.38	0.67	2.87	3.15	5.74	1.94	7.60	10.00	3.10	3.20	3.11	9.97	57.73
1979	4.07	2.92	3.22	4.92	4.17	2.80	4.72	6.20	9.69	2.96	4.52	3.81	54.00
1980	1.63	1.17	6.04	2.82	2.27	1.88	5.55	5.10	2.47	2.07	2.02	1.67	34.69
1981	0.37	4.76	1.76	4.88	5.10	2.29	5.27	2.72	1.97	2.44	1.99	3.10	36.65
1982	5.48	2.16	3.89	2.19	2.51	3.95	3.82	4.01	1.21	1.56	3.45	4.53	38.76
1983	1.29	1.61	1.48	5.18	10.84	2.18	2.41	1.26	1.33	6.13	3.59	3.46	40.76
1984	1.64	3.31	4.09	5.02	5.34	2.20	4.80	0.56	1.36	3.87	5.19	4.89	42.27
1985	1.91	1.11	3.69	2.34	4.34	4.98	3.37	3.76	1.93	4.23	4.96	1.13	37.75
1986	0.53	2.48	2.43	1.65	3.24	1.29	5.64	2.67	3.08	2.06	6.49	3.30	34.86
1987	1.30	3.62	3.13	2.23	1.80	6.59	3.48	4.18	0.91	0.55	2.72	6.17	36.68
1988	2.94	3.06	2.34	2.93	3.02	0.61	3.51	4.18	5.96	1.34	5.39	3.62	38.90
1989	3.99	10.12	6.08	2.60	5.39	4.26	4.20	3.98	4.98	3.38	2.38	1.80	53.16
1990	4.17	3.43	1.89	2.37	5.41	4.59	6.45	4.36	2.12	4.49	2.69	10.17	52.14
1991	2.57	3.91	5.80	2.70	3.95	2.91	3.60	3.08	2.09	2.70	1.27	7.22	41.80
1992	3.63	1.84	4.70	2.11	4.68	7.74	10.27	4.73	3.44	0.65	3.50	1.80	49.09
1993	2.42	4.15	3.77	3.53	2.43	5.46	3.38	4.52	3.00	4.19	5.42	3.31	45.58
1994	4.50	4.42	6.83	5.18	4.86	3.84	2.29	3.72	1.19	2.11	2.89	3.87	45.70
1995	5.01	2.26	3.32	3.90	8.97	8.17	1.26	4.89	2.76	3.64	3.19	2.71	50.08
1996	4.51	1.86	4.62	4.84	8.98	5.10	5.30	2.30	4.15	2.10	4.79	5.26	53.81
1997	3.70	3.97	13.82	1.89	8.85	9.54	3.29	2.58	2.38	2.37	4.06	2.68	59.13
1998	3.99	2.58	3.40	6.20	6.14	10.81	7.98	0.29	0.61	2.41	1.96	3.23	49.60
POR= 115 YRS	3.96	3.23	4.52	3.65	4.06	4.24	4.43	3.45	2.79	2.40	3.21	3.70	43.64

WBAN : 93820

AVERAGE TEMPERATURE (°F) 1998 LEXINGTON, KY (LEX)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	32.1	36.2	38.9	56.3	65.5	72.8	77.8	74.7	67.8	57.9	42.8	32.7	54.6
1970	25.8	32.4	40.5	57.2	66.5	71.3	74.1	74.6	72.7	57.7	43.6	38.3	54.6
1971	29.7	34.8	40.3	52.0	59.2	73.7	73.9	73.9	72.5	64.7	47.2	45.7	55.6
1972	35.4	33.2	42.2	53.7	63.2	67.6	73.8	72.9	69.8	53.0	44.5	40.9	54.2
1973	35.1	35.2	53.8	52.9	60.1	73.6	75.8	74.9	72.2	60.9	48.5	36.4	56.6
1974	40.7	37.4	48.5	55.8	63.6	67.2	74.4	73.3	62.6	54.3	45.7	37.8	55.1
1975	37.3	39.5	41.4	52.2	67.4	73.5	76.4	77.5	63.4	57.4	48.5	35.8	55.9
1976	28.4	43.9	50.0	54.5	60.6	71.1	73.0	71.2	64.1	49.7	37.1	30.9	52.9
1977	17.8	34.9	50.8	59.6	69.8	72.3	78.4	75.7	72.2	56.1	49.0	33.4	55.8
1978	21.6	21.3	40.4	57.0	61.1	73.1	76.0	74.1	70.9	53.7	48.4	37.9	53.0
1979	23.6	26.9	48.0	53.8	63.1	70.9	74.0	74.0	66.9	55.6	45.7	37.9	53.4
1980	32.4	28.3	41.5	52.5	64.8	71.2	78.8	78.2	70.6	53.7	43.6	36.0	54.3
1981	27.5	37.0	42.6	59.6	60.4	73.8	75.8	73.4	65.8	55.6	45.9	33.0	54.2
1982	28.2	34.9	47.1	50.6	69.8	68.5	77.1	72.9	65.6	58.3	48.4	44.2	55.5
1983	33.8	37.2	46.3	50.8	60.7	72.8	79.8	80.5	70.2	59.0	46.5	28.4	55.5
1984	27.6	41.2	39.7	53.1	60.6	76.0	72.9	74.9	66.5	63.5	41.8	45.4	55.3
1985	23.8	30.5	48.5	58.5	64.7	70.3	75.1	72.8	67.6	60.5	53.0	29.6	54.6
1986	33.2	38.6	46.8	57.3	65.5	74.2	78.6	72.9	71.0	58.0	44.9	35.7	56.4
1987	31.9	38.0	46.8	53.7	70.3	75.0	77.1	77.5	70.0	52.0	50.0	38.9	56.8
1988	29.8	33.7	44.8	54.2	64.5	74.3	79.1	77.9	67.8	49.6	46.1	36.5	54.9
1989	40.5	33.1	47.3	54.2	60.6	71.6	76.5	74.1	67.6	57.0	45.0	23.0	54.2
1990	41.6	43.1	48.9	53.2	61.6	72.2	75.3	73.8	68.5	56.4	49.9	40.4	57.1
1991	33.9	39.1	47.4	58.1	70.5	74.3	77.6	75.8	68.8	58.7	43.4	40.1	57.3
1992	35.2	41.3	45.4	56.1	62.0	69.4	75.6	70.9	67.0	55.8	45.9	37.0	55.1
1993	37.4	33.1	42.0	52.7	65.0	72.1	80.1	76.5	66.0	55.1	44.6	35.0	55.0
1994	25.2	36.8	43.6	58.1	60.2	75.1	76.8	73.7	66.2	57.8	50.6	41.2	55.4
1995	33.9	33.5	47.2	55.5	63.3	72.8	77.3	79.5	66.5	56.9	39.7	33.0	54.9
1996	31.0	35.7	39.1	50.9	65.6	72.1	73.1	73.6	66.3	56.4	39.8	39.5	53.6
1997	31.6	40.8	46.2	49.1	58.0	69.3	76.1	72.7	66.6	56.1	41.6	35.6	53.6
1998	40.7	41.1	45.8	53.7	67.5	72.7	74.5	76.2	74.1	57.9	47.4	39.7	57.6
POR= 115 YRS	33.1	35.3	44.1	54.3	64.1	72.7	76.2	74.8	69.0	57.2	45.0	36.0	55.1

HEATING DEGREE DAYS (base 65°F) 1998 LEXINGTON, KY (LEX)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1969-70	0	0	44	274	657	996	1209	908	750	251	84	1	5174
1970-71	6	0	31	229	637	821	1087	838	759	382	198	0	4988
1971-72	0	0	8	69	536	591	909	917	700	343	96	47	4216
1972-73	10	1	20	366	612	739	920	827	353	371	167	0	4386
1973-74	0	1	21	172	490	880	744	767	514	289	128	37	4043
1974-75	0	0	125	338	578	836	852	705	726	387	51	4	4602
1975-76	0	0	128	249	488	895	1130	606	468	339	158	2	4463
1976-77	1	4	64	474	829	1050	1457	836	444	208	52	19	5438
1977-78	0	0	6	277	498	972	1338	1219	755	254	179	6	5504
1978-79	0	0	20	348	492	834	1277	1061	522	337	110	15	5016
1979-80	0	5	40	307	574	833	1005	1057	721	371	88	17	5018
1980-81	0	0	23	358	633	892	1156	777	687	182	180	0	4888
1981-82	0	0	77	286	568	985	1134	840	549	429	14	9	4891
1982-83	0	1	75	259	500	646	961	772	580	422	151	7	4374
1983-84	0	0	59	201	550	1128	1152	685	778	370	178	3	5104
1984-85	2	0	89	84	689	601	1275	959	510	228	66	23	4526
1985-86	0	0	72	179	360	1092	978	735	561	259	94	2	4332
1986-87	0	15	14	250	595	903	1016	749	559	342	39	0	4482
1987-88	0	0	17	399	447	804	1085	901	620	328	90	18	4709
1988-89	0	3	30	474	560	877	750	887	548	351	196	8	4684
1989-90	0	6	61	267	592	1297	720	608	505	378	128	17	4579
1990-91	0	3	57	288	453	757	955	719	544	215	34	0	4025
1991-92	0	0	77	230	642	765	915	682	600	293	159	17	4380
1992-93	0	5	64	288	566	863	847	884	705	363	64	27	4676
1993-94	0	0	67	313	608	922	1231	783	658	229	185	3	4999
1994-95	0	3	37	232	425	730	960	877	545	298	108	2	4217
1995-96	0	0	65	254	755	983	1048	844	799	426	96	8	5278
1996-97	0	0	64	268	750	784	1025	670	576	471	233	31	4872
1997-98	1	3	39	321	698	904	745	666	614	331	46	24	4392
1998-	0	0	8	237	522	781							

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COOLING DEGREE DAYS (base 65°F) 1998 LEXINGTON, KY (LEX)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	0	0	0	7	97	260	404	309	134	57	0	0	1268
1970	0	0	0	26	137	199	295	306	266	11	0	0	1240
1971	0	0	0	0	25	266	281	285	239	65	10	0	1171
1972	0	0	0	11	47	130	287	250	171	0	4	0	900
1973	0	0	12	18	21	266	342	314	245	51	0	0	1269
1974	0	0	10	21	94	108	296	264	60	11	4	0	868
1975	0	0	0	11	130	267	357	394	86	18	0	0	1263
1976	0	0	9	30	26	193	257	205	46	4	0	0	770
1977	0	0	11	52	206	241	422	337	232	8	23	0	1532
1978	0	0	0	19	69	257	349	290	202	4	0	0	1190
1979	0	0	2	8	57	199	287	292	102	21	0	0	968
1980	0	0	0	4	87	210	438	415	199	17	0	0	1370
1981	0	0	1	29	43	270	341	267	109	2	0	0	1062
1982	0	0	0	4	171	121	383	252	101	62	9	7	1110
1983	0	0	4	3	27	248	465	487	219	21	0	0	1474
1984	0	0	0	17	50	340	254	312	141	44	1	0	1159
1985	0	0	5	40	67	189	317	245	155	49	4	0	1071
1986	0	0	4	34	115	285	427	269	197	42	0	0	1373
1987	0	0	0	10	212	304	383	395	173	2	5	0	1484
1988	0	0	1	8	81	306	442	407	120	5	0	0	1370
1989	0	0	8	34	66	214	362	296	146	27	0	0	1153
1990	0	0	13	29	32	239	326	285	168	26	5	0	1123
1991	0	0	3	15	210	285	398	341	198	41	0	0	1491
1992	0	0	0	35	76	155	340	192	132	8	0	0	938
1993	0	0	0	2	74	247	474	365	103	13	3	0	1281
1994	0	0	0	31	43	312	372	280	80	16	0	0	1134
1995	0	0	0	22	65	246	391	457	117	10	0	0	1308
1996	0	0	0	7	122	228	258	274	109	10	0	0	1008
1997	0	0	0	2	24	166	354	249	94	51	0	0	940
1998	0	0	25	0	132	264	303	356	291	24	0	1	1396

SNOWFALL (inches) 1998 LEXINGTON, KY (LEX)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1969-70	0.0	0.0	0.0	0.0	1.4	5.2	8.4	9.9	6.2	T	0.0	0.0	31.1
1970-71	0.0	0.0	0.0	0.0	T	1.2	4.0	9.1	5.3	0.0	0.0	0.0	19.6
1971-72	0.0	0.0	0.0	0.0	0.7	T	1.4	6.3	2.4	T	0.0	0.0	10.8
1972-73	0.0	0.0	0.0	0.2	1.7	0.4	1.0	1.4	0.4	0.2	0.0	0.0	5.3
1973-74	0.0	0.0	0.0	0.0	0.0	4.3	T	3.6	0.7	T	0.0	0.0	8.6
1974-75	0.0	0.0	0.0	T	1.4	2.8	4.6	1.5	5.6	T	0.0	0.0	15.9
1975-76	0.0	0.0	0.0	0.0	T	0.9	6.5	0.4	2.2	0.0	0.0	0.0	10.0
1976-77	0.0	0.0	0.0	0.0	2.9	1.6	18.5	3.5	0.1	0.8	0.0	0.0	27.4
1977-78	0.0	0.0	0.0	0.0	1.7	3.0	21.9	7.1	8.4	0.0	0.0	0.0	42.1
1978-79	0.0	0.0	0.0	0.0	0.0	0.7	11.4	11.6	0.1	T	0.0	0.0	23.8
1979-80	0.0	0.0	0.0	0.0	0.1	T	11.9	4.0	4.2	0.3	0.0	0.0	20.5
1980-81	0.0	0.0	0.0	0.0	0.1	0.5	2.2	0.4	0.5	0.0	0.0	0.0	3.7
1981-82	0.0	0.0	0.0	0.0	0.4	1.7	5.6	3.9	0.3	0.7	0.0	0.0	12.6
1982-83	0.0	0.0	0.0	0.0	0.0	T	0.2	7.5	0.3	T	0.0	0.0	8.0
1983-84	0.0	0.0	0.0	0.0	T	1.7	8.4	4.6	0.3	0.0	0.0	0.0	15.0
1984-85	0.0	0.0	0.0	0.0	T	4.9	10.2	10.7	T	0.5	0.0	0.0	26.3
1985-86	0.0	0.0	0.0	0.0	0.0	3.5	1.2	8.9	0.7	T	0.0	0.0	14.3
1986-87	0.0	0.0	0.0	0.0	0.2	T	3.6	3.5	2.1	5.9	0.0	0.0	15.3
1987-88	0.0	0.0	0.0	0.0	1.0	1.8	3.3	3.4	0.7	0.0	0.0	0.0	10.2
1988-89	0.0	0.0	0.0	0.0	T	0.7	T	1.5	T	T	T	0.0	2.2
1989-90	T	T	0.0	T	1.1	9.3	0.2	T	3.7	T	0.0	0.0	14.3
1990-91	0.0	0.0	0.0	0.0	0.0	0.8	0.1	3.2	1.7	0.0	0.0	0.0	5.8
1991-92	0.0	0.0	0.0	0.0	T	0.2	0.7	0.6	1.3	0.4	0.0	0.0	3.2
1992-93	0.0	0.0	0.0	T	1.8	2.5	0.4	11.5	7.1	T	0.0	T	23.3
1993-94	0.0	0.0	0.0	T	0.1	7.4	16.4	2.8	5.0	0.0	0.0	0.0	31.7
1994-95	0.0	0.0	0.0	0.0	0.0	T	2.0	3.7	3.4	0.0	T	0.0	9.1
1995-96	0.0	0.0	0.0	T	1.1	2.2	16.0	3.8		1.5		0.0	
1996-97	0.0		0.0		T	T							
1997-98													
1998-													
POR= 51 YRS	T	T	0.0	0.0	0.6	1.9	5.7	4.6	2.6	0.3	T	T	15.7

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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. 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.</p>	<p>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.</p> <p>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.</p>
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1998 LEXINGTON, KENTUCKY (LEX)

Lexington, County Seat of Fayette County, is located in the heart of the famed Kentucky Blue Grass Region. Fayette County is a gently rolling plateau with the elevation varying between 900 and 1,050 feet above sea level. It is noted for its beauty, the fertility of its soil, excellent grass, stock farms, and burley tobacco. The soil has a high phosphorus content and this is very valuable in growing pasture grasses for the grazing of cattle and horses. Lexington has a decided continental climate with a rather large diurnal temperature range. The climate is temperate and well suited to a varied plant and animal life. There are no bodies of water close enough to have any effect on the climate. The closest river is the Kentucky which makes an arc about 15 to 20 miles to the southeast, south, and southwest on its course to the Ohio River. There are numerous small creeks that rise in the county and flow into the river. The reservoirs of the Lexington Water Company are about 5 miles southeast of the city and are the largest bodies of water in the area.

Lexington is subject to rather sudden and large changes in temperature with the spells generally of rather short duration. Temperatures above 100 degrees and below zero degrees are relatively rare. The average temperature for the winter is 35 degrees, spring 62 degrees, fall 50 degrees, and summer 74 degrees.

Precipitation is evenly distributed throughout the winter, spring, and summer, with about 12 inches recorded on the average for each of these seasons. The fall season averages nearly 8 1/2 inches. Snowfall amounts are variable and the ground does not retain snow cover more than a few days at a time.

The months of September and October are the most pleasant of the year. They have the least amount of precipitation, the greatest number of clear days, and generally comfortable temperatures are the rule during these months.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 25 and the average last occurrence in the spring is April 17.

STATION LOCATION

LEXINGTON, KENTUCKY

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE											AUCI T O M P A T I O N E T I C I T Y * *	* Type M = AMOS T = AUTOB S = ASOS W = AWOS	REMARKS
						SEA LEVEL	GROUND												
							G M D M E T E R S	W I N D I N S T R U M E N T	E M E T E R S	E M E T E R S	P O I N T S	S U R F A C E	T E R R A C E	R A I N G A G E	W E I G H T I N G A G E	8 I N C H R A N G A G E			
<u>CITY</u>																			
Tower Room, State College, S. Limestone Street	10/10/72	7/25/76		38° 02'	84° 33'														
4th Floor, Carty Bldg. Sw Corner Main & Mill Streets	10/15/87	9/6/88	1 mile NW	38° 02'	84° 33'	946	67	72	72										
Base of Tower, State College, S. Limestone Street	9/6/88	7/18/15	1 mile SE	38° 02'	84° 33'	966	104	75	75										
Rooms 1408 & 1410 Fayette National Bank Main & Upper Streets	7/18/15	7/30/33	1 mile N	38° 02'	84° 33'	957	230	193	193			187							
41 Montelle Park 703 Melrose Avenue 218 Chenault Road	7/30/33	7/18/44	1.5 mi. E	38° 02'	84° 33'	1005		5	5			4							
<u>AIRPORT</u>																			
Administration Building Blue Grass Field	7/18/44	3/17/76	7.5 mi. W	38° 02'	84° 36'	c966	a23	5	5			e3	d5	4	b4		a - 61 feet to 4/27/62. b - Commissioned 2100 feet NW of Administration Building 10/19/63. c - 979 feet to 10/19/63. d - 6 feet to 11/17/66. e - Added 12/17/73.		
Administration Building Blue Grass Field	3/17/76	Present	400 ft. E	38° 02'	84° 36'	966	f23	5	5	NA		4	4	4	f4	NA	f - Same site as prior to 3/17/76. S ASOS Commissioned 03/01/96		

SUBSCRIPTION: Price and ordering information available through: National Climatic Data Center, Federal Building, Asheville, North Carolina 28801.
INQUIRIES/COMMENTS CALL: (828) 271-4800

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