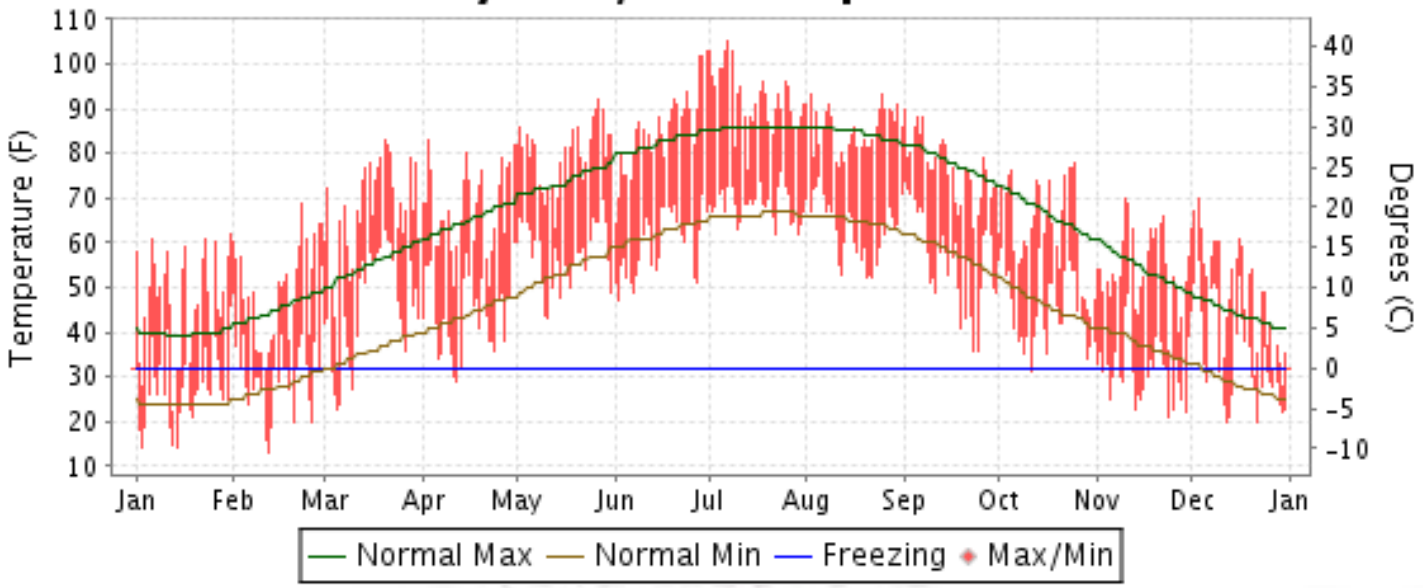
2012
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

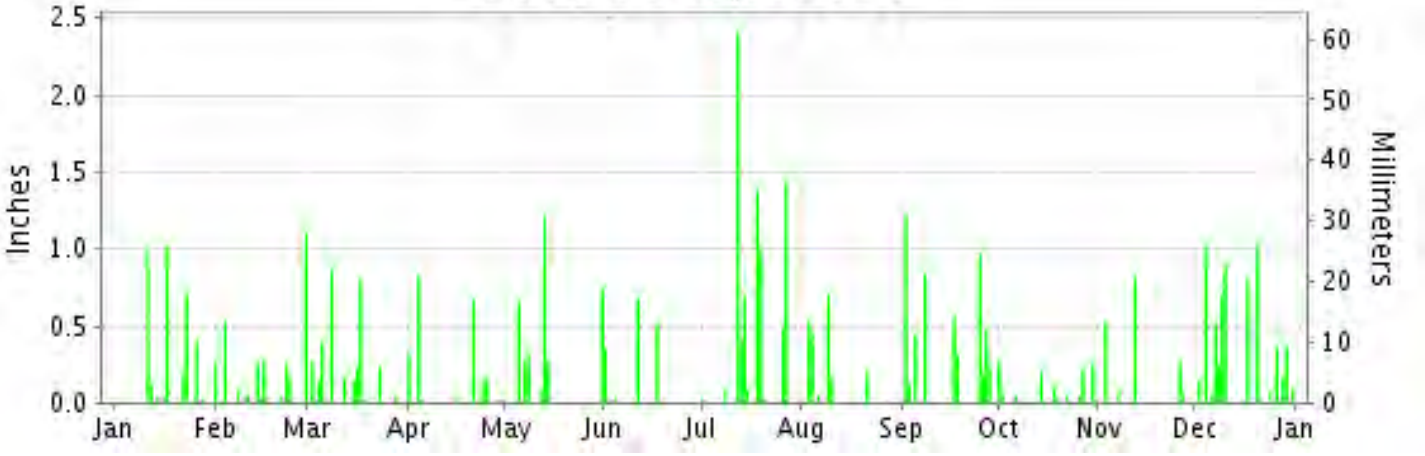
ISSN 0198-2230

LEXINGTON,
KENTUCKY (KLEX)

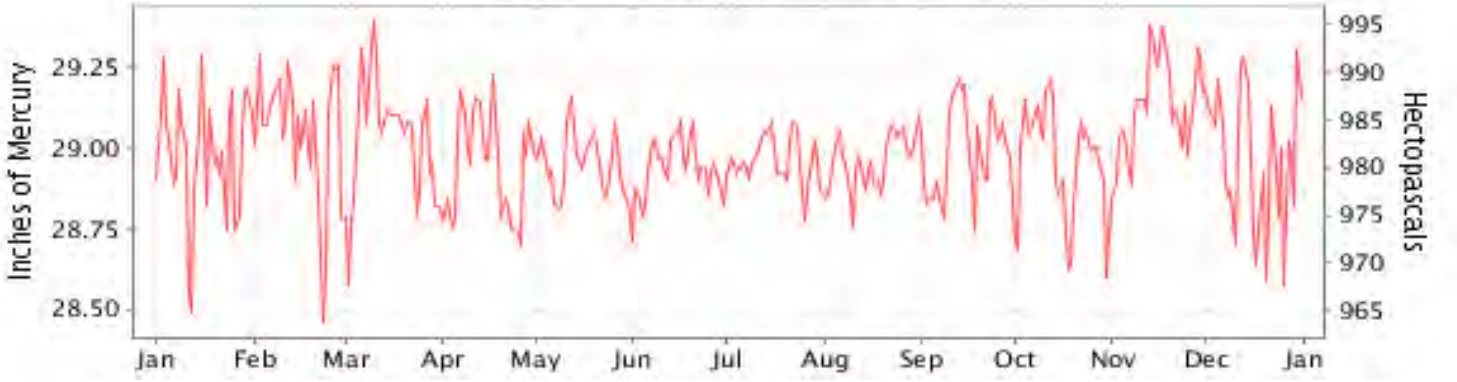
Daily Max/Min Temperature



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

METEOROLOGICAL DATA FOR 2012
LEXINGTON (KLEX)

LATITUDE: 38° 2'N **LONGITUDE:** 84° 36'W **ELEVATION (FT):** GRND: 980 BARO: 984 **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	47.4	49.1	66.9	67.6	79.7	85.2	92.3	85.3	76.7	63.4	54.1	49.0	68.1
	HIGHEST DAILY MAXIMUM	62	69	83	83	92	103	105	93	90	78	70	70	105
	DATE OF OCCURRENCE	31	23	20	03	27	30	07	25+	01	25	10	03	JUL 07
	MEAN DAILY MINIMUM	27.3	30.9	45.6	44.2	57.7	59.6	68.6	63.1	56.3	45.2	31.4	34.5	47.0
	LOWEST DAILY MINIMUM	14	13	23	29	43	47	62	52	36	31	21	20	13
	DATE OF OCCURRENCE	14+	12	05	12	11	02	29+	22+	24+	11	24	22+	FEB 12
	AVERAGE DRY BULB	37.4	40.0	56.3	55.9	68.7	72.4	80.5	74.2	66.5	54.3	42.8	41.8	57.6
	MEAN WET BULB	33.8	36.7	50.7	49.8	62.7	63.6	71.2	66.5	61.3	49.4	38.0	39.6	51.9
	MEAN DEW POINT	28.1	31.6	45.2	43.4	58.5	57.7	67.2	62.1	57.5	44.8	31.6	36.7	47.0
	NUMBER OF DAYS WITH:													
	MAXIMUM >= 90°	0	0	0	0	3	10	20	8	1	0	0	0	42
	MAXIMUM <= 32°	4	1	1	0	0	0	0	0	0	0	0	3	9
	MINIMUM <= 32°	23	20	6	3	0	0	0	0	0	1	18	17	88
	MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0
H/C	HEATING DEGREE DAYS	851	718	298	284	33	16	0	0	74	328	660	714	3976
	COOLING DEGREE DAYS	0	0	34	15	153	247	484	295	125	6	0	0	1359
RH	MEAN (PERCENT)	71	74	69	66	72	63	70	69	75	72	68	82	71
	HOUR 01 LST	77	80	76	77	87	78	84	83	86	79	77	85	81
	HOUR 07 LST	80	85	79	75	79	68	77	82	85	84	82	87	80
	HOUR 13 LST	61	63	57	51	55	46	49	50	58	58	49	76	56
	HOUR 19 LST	69	71	66	62	68	57	67	63	73	71	65	82	68
W/O	NUMBER OF DAYS WITH:													
	HEAVY FOG(VISBY <= 1/4 MI)	1	0	0	0	3	2	0	0	0	0	1	0	7
	THUNDERSTORMS	1	4	1	3	1	0	4	1	2	0	1	1	19
PR	MEAN STATION PRESS. (IN.)	28.99	29.04	29.03	28.95	28.95	28.94	28.96	28.95	28.99	28.95	29.13	28.97	28.99
	MEAN SEA-LEVEL PRESS. (IN.)	30.07	30.12	30.09	30.00	29.98	29.97	29.99	29.99	30.03	30.00	30.21	30.03	30.04
WINDS	RESULTANT SPEED (MPH)	5.2	2.1	3.8	0.8	1.1	0.9	1.8	1.4	2.2	2.8	1.0	3.8	2.1
	RES. DIR. (TENS OF DEGS.)	22	23	20	33	20	24	21	19	20	22	19	21	22
	MEAN SPEED (MPH)	10.9	7.7	8.6	8.6	5.6	6.5	6.2	5.0	5.7	8.7	6.3	9.0	7.4
	PREVAIL.DIR.(TENS OF DEGS.)	21	26	18	04	18	03	22	17	18	17	17	18	17
	MAXIMUM 2-MINUTE WIND													
	SPEED (MPH)	35	33	33	28	22	30	44	31	29	33	26	36	44
	DIR. (TENS OF DEGS.)	26	26	27	20	36	02	31	16	28	19	17	24	31
	DATE OF OCCURRENCE	01	24	02	16	05	29	01	09	08	14	12	20	JUL 01
	MAXIMUM 3-SECOND WIND:													
	SPEED (MPH)	46	47	47	39	30	38	66	39	45	46	37	51	66
	DIR. (TENS OF DEGS.)	22	24	27	32	25	01	29	13	28	19	26	24	29
	DATE OF OCCURRENCE	23	29	02	23	02	29	27	09	08	14	23	20	JUL 27
PRECIPITATION	WATER EQUIVALENT:	3.54	3.09	3.31	2.30	3.60	1.61	8.01	2.15	5.42	1.28	1.76	6.55	42.62
	TOTAL (IN.)	1.04	1.11	0.86	0.87	1.29	0.68	2.81	0.99	1.35	0.28	0.83	1.23	2.81
	GREATEST 24-HOUR (IN.)	16-17	29	08	04-05	12-13	11	12-13	03-04	02-03	01-02	12	09-10	JUL 12-13
	DATE OF OCCURRENCE													
	NUMBER OF DAYS WITH:	10	12	11	10	8	5	11	8	10	11	5	17	118
	PRECIPITATION 0.01	6	7	9	5	6	3	7	5	10	4	3	11	76
	PRECIPITATION 0.10	1	1	0	0	1	0	3	0	1	0	0	2	9
	PRECIPITATION 1.00													
SNOWFALL	SNOW,ICE PELLETS,HAIL	1.1	1.2	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	11.0
	TOTAL (IN.)	0.8	0.7	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	5.0
	GREATEST 24-HOUR (IN.)	14	08	05									29	MAR 05
	DATE OF OCCURRENCE	1	1	5	0	0	0	0	0	0	0	0	3	5
	MAXIMUM SNOW DEPTH (IN.)	15	11	05									29	MAR 05
	DATE OF OCCURRENCE													
	NUMBER OF DAYS WITH:	0	0	1	0	0	0	0	0	0	0	0	1	2
	SNOWFALL >= 1.0													

NORMALS, MEANS, AND EXTREMES
LEXINGTON (KLEX)

LATITUDE: 38° 2'N **LONGITUDE:** 84° 36'W **ELEVATION (FT):** GRND: 980 BARO: 984 **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	40.9	45.6	55.4	65.8	74.4	82.9	86.1	85.6	78.8	67.5	55.4	43.9	65.2
	MEAN DAILY MAXIMUM	116	41.1	42.3	54.3	64.0	74.4	81.4	86.2	85.0	78.1	67.8	53.6	43.7	64.3
	HIGHEST DAILY MAXIMUM	68	76	80	83	88	92	103	105	103	103	91	83	75	105
	YEAR OF OCCURRENCE		1950	1996	2012	1962	2012	2012	2012	1983	1954	2007	1987	1982	JUL 2012
	MEAN OF EXTREME MAXS.	116	63.1	66.3	75.5	82.3	86.9	92.0	93.9	93.4	90.4	82.6	73.8	65.0	80.4
	NORMAL DAILY MINIMUM	30	24.9	28.1	35.7	44.7	53.9	62.5	66.3	65.0	57.5	46.6	37.3	28.0	45.9
	MEAN DAILY MINIMUM	116	25.0	25.6	35.0	43.6	54.0	61.6	66.4	65.1	57.6	47.0	35.9	28.0	45.4
	LOWEST DAILY MINIMUM	68	-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.	116	1.7	5.4	16.9	27.8	37.9	49.0	55.7	53.7	42.2	30.0	19.1	8.3	29.0
	NORMAL DRY BULB	30	32.9	36.9	45.5	55.3	64.2	72.7	76.2	75.3	68.1	57.0	46.3	36.0	55.5
	MEAN DRY BULB	116	33.1	34.0	44.7	53.8	64.2	71.6	76.3	75.1	67.9	57.4	44.8	35.9	54.9
	MEAN WET BULB	29	28.9	31.7	38.9	47.6	57.3	65.0	68.4	67.0	60.5	49.8	40.4	32.4	49.0
	MEAN DEW POINT	29	26.5	28.9	35.6	44.4	55.1	63.3	66.7	65.5	58.5	47.3	37.9	30.0	46.6
	NORMAL NO. DAYS WITH:														
	MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	0.0	2.9	7.2	7.3	2.0	0.1	0.0	0.0	19.5
	MAXIMUM <= 32	30	7.3	4.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	5.0	17.3
	MINIMUM <= 32	30	22.6	18.6	11.9	2.7	0.0	0.0	0.0	0.0	0.0	1.5	9.7	19.8	86.8
	MINIMUM <= 0	30	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.3
H/C	NORMAL HEATING DEG. DAYS	30	995	788	605	313	111	11	0	2	52	272	561	901	4611
	NORMAL COOLING DEG. DAYS	30	0	0	2	20	85	242	347	321	146	25	2	0	1190
RH	NORMAL (PERCENT)	30	75	71	67	64	70	72	73	74	74	71	72	76	72
	HOUR 01 LST	30	78	76	72	71	79	83	84	85	84	79	76	78	79
	HOUR 07 LST	30	81	80	78	76	82	84	86	89	89	86	81	82	83
	HOUR 13 LST	30	69	64	58	55	59	59	59	60	59	57	63	69	61
	HOUR 19 LST	30	73	67	60	57	62	64	64	65	67	66	69	73	66
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	49	2.0	1.9	1.5	0.6	1.3	1.4	1.6	1.9	2.0	1.6	1.2	1.7	18.7
	THUNDERSTORMS	65	0.7	0.8	2.5	3.7	5.8	7.1	8.1	5.9	2.7	1.3	0.9	0.3	39.8
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	5.1
	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)	29	29.05	29.03	28.99	28.93	28.95	28.95	28.98	28.99	29.01	29.04	29.05	29.06	29.00
	MEAN SEA-LEVEL PRES. (IN)	29	30.13	30.10	30.05	29.98	29.99	29.98	30.01	30.02	30.05	30.09	30.12	30.13	30.05
WINDS	MEAN SPEED (MPH)	29	9.5	9.2	9.2	9.1	7.6	6.7	6.2	6.0	6.5	7.3	8.5	8.8	7.9
	PREVAIL.DIR(TENS OF DEGS)	41	19	19	19	19	19	19	23	19	19	19	19	19	19
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	16	47	47	38	45	39	44	44	38	44	40	45	44	47
	DIR. (TENS OF DEGS)		18	18	20	01	23	30	31	01	22	17	27	22	18
	YEAR OF OCCURRENCE		1999	2008	2009	2011	2008	1998	2012	2011	2008	2002	2002	2008	FEB 2008
	MAXIMUM 3-SECOND														
	SPEED (MPH)	16	56	60	53	62	52	61	66	53	60	55	56	60	66
	DIR. (TENS OF DEGS)		19	28	24	21	23	34	29	32	21	21	21	21	29
	YEAR OF OCCURRENCE		1999	2008	2007	2011	2008	2007	2012	2011	2008	2010	2010	2008	JUL 2012
PRECIPITATION	NORMAL (IN)	30	3.20	3.20	4.07	3.60	5.26	4.44	4.65	3.25	2.91	3.13	3.53	3.93	45.17
	MAXIMUM MONTHLY (IN)	68	16.65	10.12	13.82	12.70	10.91	11.69	10.64	11.18	10.25	6.97	7.68	10.17	16.65
	YEAR OF OCCURRENCE		1950	1989	1997	2011	2004	1960	1958	1974	2006	2004	2011	1990	JAN 1950
	MINIMUM MONTHLY (IN)	68	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)	68	2.98	3.79	5.56	4.65	4.31	5.88	4.73	3.56	6.16	4.33	2.71	3.77	6.16
	YEAR OF OCCURRENCE		1951	1989	1997	2008	2010	1960	1978	1968	2006	2007	1988	1978	SEP 2006
	NORMAL NO. DAYS WITH:														
	PRECIPITATION >= 0.01	30	12.1	11.1	12.4	12.1	12.5	10.9	10.4	8.7	7.8	8.7	10.7	12.4	129.8
	PRECIPITATION >= 1.00	30	0.8	0.6	0.9	0.7	1.3	1.0	1.5	0.8	0.8	0.7	0.8	0.7	10.6
SNOWFALL	NORMAL (IN)	30	3.9	4.6	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.5	13.0
	MAXIMUM MONTHLY (IN)	62	21.9	16.4	17.7	5.9	T	T	T	T	0.0	0.2	9.7	12.4	21.9
	YEAR OF OCCURRENCE		1978	1960	1960	1987	1995	2009	1989	1989		1972	1950	2010	JAN 1978
	MAXIMUM IN 24 HOURS (IN)	62	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	2009	1989	1989		1972	1966	1967	JAN 1994
	MAXIMUM SNOW DEPTH (IN)	58	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	1.2	1.4	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8	4.0

PRECIPITATION (inches) 2012 LEXINGTON (KLEX)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
1999	5.77	2.38	3.80	2.23	1.31	5.38	2.47	0.99	1.39	1.63	1.82	2.70	31.87
2000	3.40	4.81	3.89	4.52	2.99	3.82	3.36	3.50	5.32	0.74	2.00	3.75	42.10
2001	1.35	3.56	3.27	1.14	6.00	2.58	5.78	2.93	2.46	3.71	3.30	2.89	38.97
2002	2.39	1.37	7.58	5.28	4.29	2.69	1.75	2.92	5.44	6.53	4.99	4.08	49.31
2003	0.95	4.85	2.44	4.10	8.35	6.41	5.08	4.53	5.07	1.75	5.93	3.93	53.39
2004	3.32	1.49	4.31	3.73	10.91	5.05	8.68	4.06	3.22	6.97	7.32	3.38	62.44
2005	4.27	2.23	3.49	3.47	2.64	2.28	3.05	6.10	0.89	0.93	1.77	2.40	33.52
2006	5.37	2.12	4.17	4.55	3.72	2.33	5.48	3.49	10.25	6.29	1.97	3.05	52.79
2007	3.37	2.47	2.38	4.12	1.21	2.68	6.39	4.00	0.88	6.53	2.75	6.93	43.71
2008	4.42	5.76	6.30	5.89	4.40	3.59	3.41	2.18	1.42	1.53	2.53	6.03	47.46
2009	4.32	2.54	2.39	4.78	6.04	5.19	7.57	4.53	5.90	5.77	0.96	4.02	54.01
2010	3.01	1.61	1.13	2.31	9.95	4.59	6.06	0.58	0.61	1.24	4.46	2.49	38.04
2011	2.04	6.22	4.69	12.70	6.45	3.20	4.92	3.64	5.97	4.41	7.68	4.43	66.35
2012	3.54	3.09	3.31	2.30	3.60	1.61	8.01	2.15	5.42	1.28	1.76	6.55	42.62
POR= 116 YRS	3.88	3.18	4.44	3.76	4.27	4.16	4.51	3.47	3.02	2.58	3.27	3.79	44.33

WBAN : 93820

AVERAGE TEMPERATURE (°F) 2012 LEXINGTON (KLEX)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
1999	36.2	40.2	40.3	56.5	65.3	73.5	79.6	75.7	68.8	56.7	50.3	37.3	56.7
2000	31.9	42.7	48.3	53.3	66.8	73.5	73.8	73.7	66.3	59.4	43.5	25.1	54.9
2001	31.1	39.9	40.6	59.7	66.5	71.3	75.3	76.1	66.1	56.7	52.0	40.9	56.4
2002	37.8	37.7	44.6	57.9	61.2	74.7	79.1	78.1	72.1	56.0	42.6	35.6	56.5
2003	26.1	32.0	48.2	56.9	63.6	69.0	75.1	75.7	65.1	56.2	49.5	35.5	54.4
2004	30.4	36.1	47.8	55.1	68.8	71.4	73.3	70.7	68.3	58.9	49.2	36.1	55.5
2005	37.5	39.6	40.6	56.3	61.5	75.0	77.9	78.5	71.7	58.1	47.1	32.4	56.4
2006	42.2	35.5	44.3	59.0	62.5	70.7	76.7	77.3	64.2	53.5	47.6	41.8	56.3
2007	37.0	27.5	52.3	52.9	67.9	74.3	74.8	80.7	72.3	62.7	45.5	40.2	57.3
2008	32.3	35.5	44.2	54.6	61.3	73.8	75.6	74.6	71.5	57.2	42.9	35.8	54.9
2009	28.5	37.8	48.0	55.5	64.5	73.6	72.0	73.3	68.5	53.2	48.0	35.1	54.8
2010	28.3	28.9	46.8	59.5	66.9	76.6	78.0	78.1	70.7	58.7	46.9	27.5	55.6
2011	28.5	38.5	46.6	58.2	63.9	73.4	79.3	75.2	65.8	54.7	49.8	40.7	56.2
2012	37.4	40.0	56.3	55.9	68.7	72.4	80.5	74.2	66.5	54.3	42.8	41.8	57.6
POR= 116 YRS	33.1	34.0	44.7	53.8	64.2	71.6	76.3	75.1	67.9	57.4	44.8	35.9	54.9

HEATING DEGREE DAYS (base 65°F) 2012 LEXINGTON (KLEX)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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
1998-99	0	0	8	237	522	781	887	690	758	254	51	1	4189
1999-00	0	0	43	254	433	855	1019	640	513	346	53	6	4162
2000-01	0	0	84	215	642	1227	1043	692	752	226	56	20	4957
2001-02	0	0	84	275	387	741	835	756	628	251	178	1	4136
2002-03	0	0	18	314	668	905	1199	917	515	255	86	30	4907
2003-04	0	0	61	271	460	908	1069	833	529	301	53	3	4488
2004-05	0	13	28	193	471	888	844	703	746	264	143	0	4293
2005-06	0	0	10	258	531	1004	702	821	634	203	147	2	4312
2006-07	0	0	77	363	514	711	863	1045	409	377	59	0	4418
2007-08	0	0	13	164	577	765	1007	849	638	319	139	0	4471
2008-09	0	0	2	274	658	899	1126	757	521	316	89	9	4651
2009-10	3	3	27	364	502	919	1129	1007	559	197	72	0	4782
2010-11	0	0	29	206	536	1157	1127	737	569	218	146	0	4725
2011-12	0	0	82	319	450	746	851	718	298	284	33	16	3797
2012-	0	0	74	328	660	714							

WBAN : 93820

COOLING DEGREE DAYS (base 65°F) 2012 LEXINGTON (KLEX)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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
1999	0	0	0	5	67	261	459	339	161	6	1	0	1299
2000	0	1	0	2	113	268	279	278	126	45	3	0	1115
2001	0	0	0	75	111	212	327	351	124	24	2	0	1226
2002	0	0	0	48	66	299	444	412	234	43	1	0	1547
2003	0	0	0	21	50	155	322	337	72	7	3	0	967
2004	0	0	4	10	177	204	264	195	132	9	0	0	995
2005	0	0	0	10	41	307	403	426	217	52	0	0	1456
2006	0	0	0	29	77	180	372	386	58	12	0	0	1114
2007	0	0	26	21	155	284	309	496	238	100	0	0	1629
2008	0	0	0	14	32	273	334	305	203	40	0	0	1201
2009	0	0	0	40	80	276	227	266	136	6	0	0	1031
2010	0	0	0	38	135	357	412	414	209	18	0	0	1583
2011	0	0	4	22	122	259	453	326	112	6	1	0	1305
2012	0	0	34	15	153	247	484	295	125	6	0	0	1359

SNOWFALL (inches) 2012 LEXINGTON (KLEX)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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	6.8	1.5	0.0	0.0	31.4
1996-97	0.0	0.0	0.0	0.0	T	T	1.1	2.9	T	T	0.0	0.0	4.0
1997-98	0.0	0.0	0.0	0.0	T	2.1	0.1	17.4	T	0.0	0.0	0.0	19.6
1998-99	0.0	0.0	0.0	0.0	0.0	0.8	1.4	1.8	0.1	0.0	0.0	0.0	4.1
1999-00	0.0	0.0	0.0	0.0	0.0	1.9	2.8	0.3	0.2	0.0	0.0	0.0	5.2
2000-01	0.0	0.0	0.0	0.0	T	5.8	4.2	T	T	0.3	0.0	0.0	10.3
2001-02	0.0	0.0	0.0	0.0	0.0	0.3	7.8	0.6	T	0.0	0.0	0.0	8.7
2002-03	0.0	0.0	0.0	0.0	1.0	4.3	6.3	8.3	T	0.0	0.0	0.0	19.9
2003-04	0.0	0.0	0.0	0.0	T	3.9	4.7	T	T	T	0.0	0.0	8.6
2004-05	0.0	0.0	0.0	T	T	0.3	2.3	0.4	2.8	T	0.0	0.0	5.8
2005-06	0.0	0.0	0.0	0.0	T	0.5	2.6	8.1	T	0.0	0.0	0.0	11.2
2006-07	0.0	0.0	0.0	0.0	0.4	0.3	0.4	5.9	T	0.8	0.0	T	7.8
2007-08	0.0	0.0	0.0	0.0	T	T	2.0	4.3	4.5	0.0	0.0	0.0	10.8
2008-09	0.0	0.0	0.0	T	0.1	2.7	5.0	4.5	0.6	T	0.0	T	12.9
2009-10	0.0	0.0	0.0	0.0	0.0	2.2	9.4	12.1	T	0.0	0.0	0.0	23.7
2010-11	0.0	0.0	0.0	0.0	0.4	12.4	11.3	3.3	0.4	0.0	0.0	0.0	27.8
2011-12	0.0	0.0	0.0	0.0	T	T	1.1	1.2	5.3	0.0	0.0	0.0	7.6
2012-	0.0	0.0	0.0	0.0	0.0	3.4							
POR= 65 YRS	T	T	0.0	T	0.8	2.5	5.4	4.6	2.2	0.3	T	T	15.8

WBAN : 93820

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.
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 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.
STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED SATION 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.

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.

The 2012 Annual Publications were reproduced on 6/05/13 to correct two problems that occurred when the Publications were first produced on 02/28/13.

1) A small number of stations did not correctly show number of days with thunderstorms and heavy fog.
2) Climate Normals in the Annual Publications were based on a first edition of the 1981-2010 Normals release. With the release of Service Pack 1 (SP1) new normals for 83 stations are available and now included. Additional information on SP1 is available at: http://www1.ncdc.noaa.gov/pub/data/normals/1981-2010/status.txt.

2012
LEXINGTON
KENTUCKY (KLEX)

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 l,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 l5 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 l00 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 l2 inches recorded on the average for each of these seasons. The fall season averages nearly 8 l/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 History

LEXINGTON, KY

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
LEXINGTON BLUEGRASS AP	2009-02-19	Present	38° 2'	-84° 36'	980		ASOS,COOP,WXSVC
LEXINGTON BLUEGRASS FIELD	1933-01-01	1945-01-01	38° 1'	-84° 33'			SYNOPTIC
LEXINGTON BLUEGRASS FIELD	1872-10-01	1876-07-31	38° 1'	-84° 33'			MILITARY
LEXINGTON BLUEGRASS FIELD	1945-01-01	1948-01-01	38° 1'	-84° 36'			AIRWAYS
LEXINGTON BLUEGRASS FIELD	1948-01-01	1973-01-01	38° 1'	-84° 36'	981		AIRWAYS,COOP
LEXINGTON BLUEGRASS FIELD	1980-01-01	1992-07-01	38° 1'	-84° 36'	966		COOP,WXSVC
LEXINGTON BLUEGRASS FIELD	1888-01-01	1891-01-01	38° 1'	-84° 33'			MILITARY
LEXINGTON BLUEGRASS FIELD	1973-01-01	1976-01-01	38° 1'	-84° 36'	981		COOP,WXSVC
LEXINGTON BLUEGRASS FIELD	1992-07-01	1996-03-01	38° 1'	-84° 36'	970		COOP,WXSVC
LEXINGTON BLUEGRASS FIELD	1887-01-01	1887-03-31	38° 1'	-84° 33'			MILITARY
LEXINGTON BLUEGRASS FIELD	1891-01-01	1933-01-01	38° 1'	-84° 33'			WXSVC
LEXINGTON BLUEGRASS FIELD	1976-01-01	1980-01-01	38° 1'	-84° 36'	991		COOP,WXSVC
LEXINGTON BLUEGRASS AP	2002-06-01	2009-02-19	38° 2'	-84° 36'	980		ASOS,COOP,WXSVC
LEXINGTON BLUEGRASS AP	1996-03-01	2002-06-01	38° 2'	-84° 36'	965		ASOS,COOP,WXSVC

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
PRECIP	1888-01-01	1982-01-01	DAILY	2400	UNIV	RCRD	
PRECIP	1982-01-01	1992-07-01	DAILY	2400	UNIV	RCRD	
PRECIP	2009-02-19	Present	DAILY	2400	PCPNX		
TEMP	1872-10-01	1887-03-31	DAILY	2400			
TEMP	1995-07-01	1999-08-01	DAILY	0700	MXMN		
PRECIP	1992-07-01	1995-07-01	HOURLY	2400			
PRECIP	1995-07-01	1999-08-01	HOURLY	2400	UNIV	RCRD	
PRECIP	1995-07-01	1999-08-01	DAILY	2400	SRG		
TEMP	1999-08-01	2002-06-01	DAILY	2400	MXMN		
PRECIP	1999-08-01	2002-06-01	HOURLY	2400	UNIV	RCRD	
PRECIP	1992-07-01	1995-07-01	DAILY	2400	SRG		
PRECIP	1999-08-01	2002-06-01	DAILY	2400	SRG		
PRECIP	2002-06-01	2009-02-19	HOURLY	2400	TB	RCRD	
PRECIP	1872-10-01	1887-03-31	DAILY	2400	UNIV	RCRD	
TEMP	2002-06-01	2009-02-19	DAILY	2400	ATEMP		
PRECIP	2009-02-19	Present	HOURLY	2400	AWPAG	RCRD;HTD	
TEMP	1982-01-01	1992-07-01	DAILY	2400			
PRECIP	1982-01-01	1992-07-01	HOURLY	2400			
PRECIP	2002-06-01	2009-02-19	DAILY	2400	TB	RCRD	
TEMP	2009-02-19	Present	DAILY	2400	ATEMP		
TEMP	1888-01-01	1982-01-01	DAILY	2400			
TEMP	1992-07-01	1995-07-01	DAILY	0700	MXMN		

* For explanation of codes and abbrevitions 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

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Asheville, NC 28801-5001