

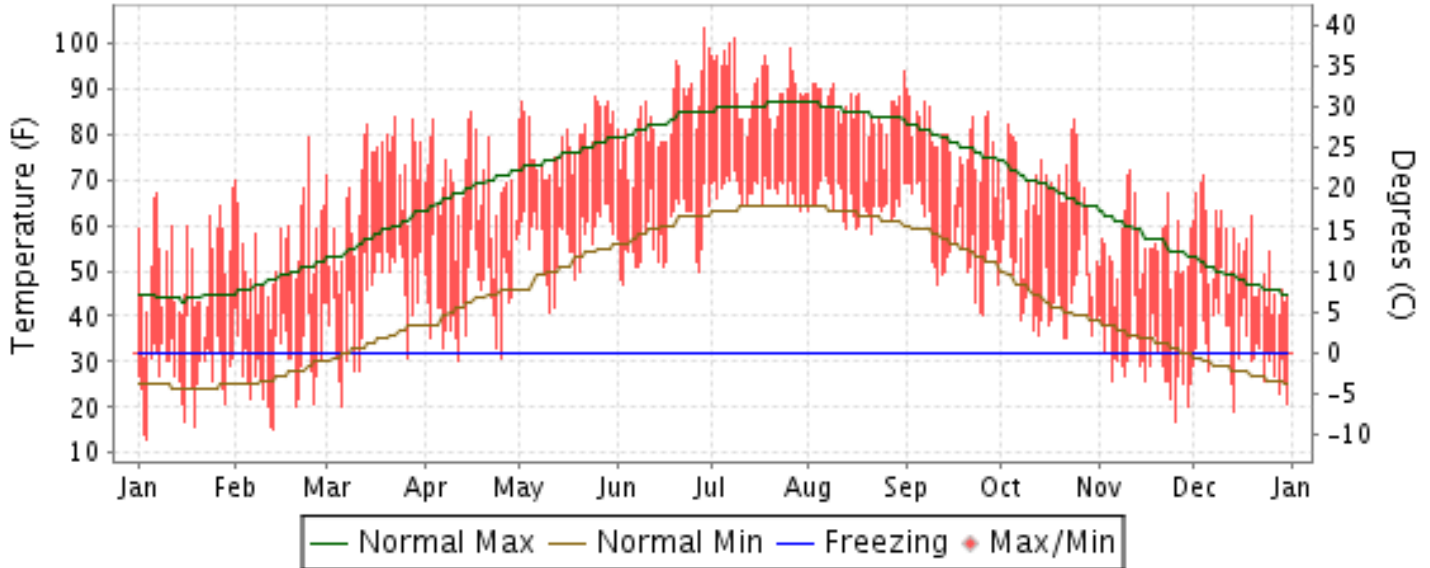


2012 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

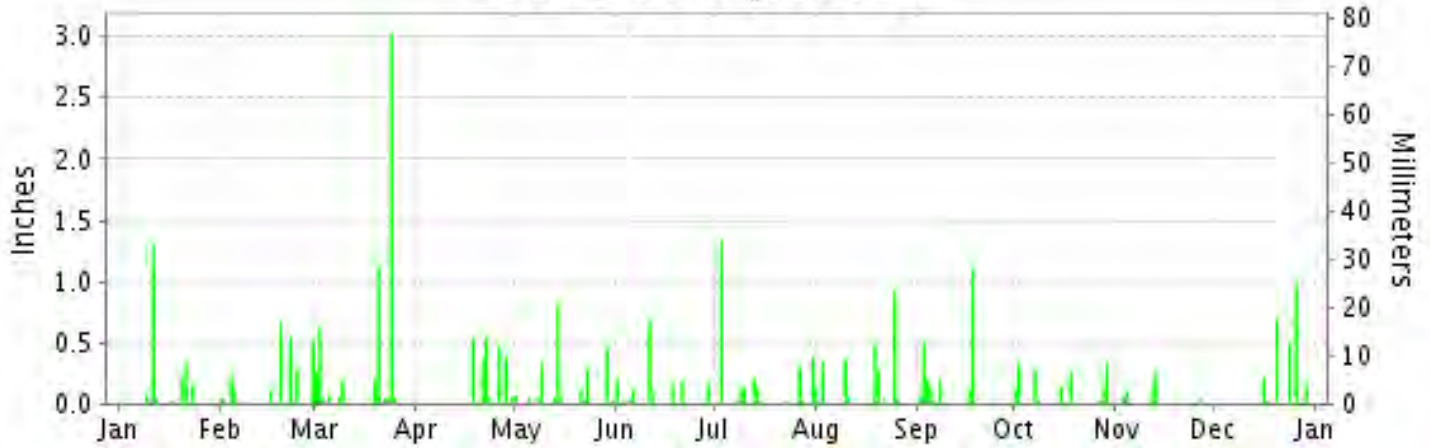
ISSN 0198-5320

LYNCHBURG, VIRGINIA (KLYH)

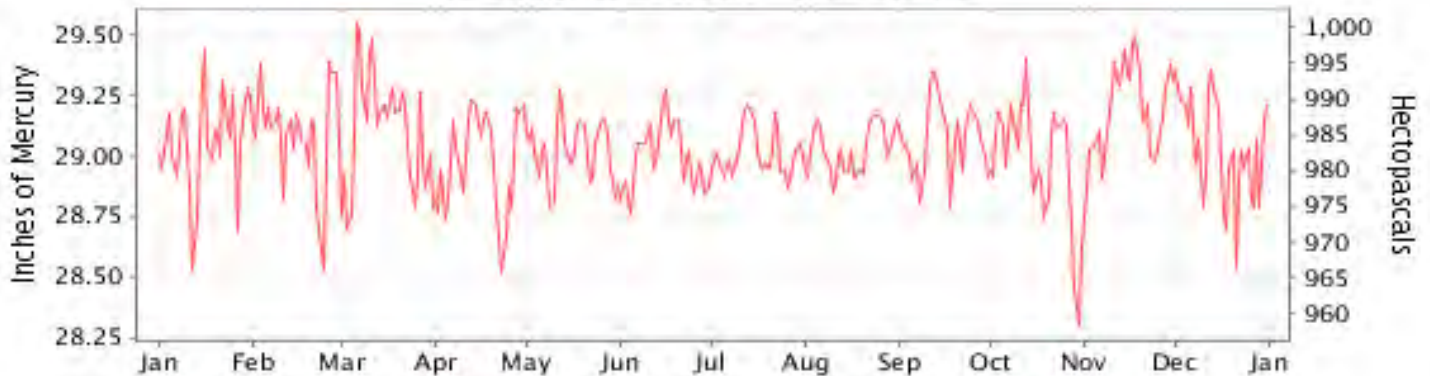
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
OCEANIC AND
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NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2012

LYNCHBURG (KLYH)

LATITUDE:
37° 19'N

LONGITUDE:
79° 12'W

ELEVATION (FT):
GRND: 940 BARO: 1000

TIME ZONE:
EASTERN (UTC -5)

WBAN: 13733

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	50.8	53.9	69.0	68.3	78.8	84.1	90.9	85.5	78.3	67.6	55.7	52.9	69.7	
	HIGHEST DAILY MAXIMUM	68	79	84	85	88	103	101	94	90	83	72	71	103	
	DATE OF OCCURRENCE	31	24	23	16	25	29	08	31	01	24	11	04	JUN 29	
	MEAN DAILY MINIMUM	27.5	29.3	43.6	43.8	56.9	57.5	67.8	64.3	55.8	45.0	30.5	33.4	46.3	
	LOWEST DAILY MINIMUM	13	15	20	30	41	47	63	58	40	35	17	19	13	
	DATE OF OCCURRENCE	04	13	06	12	11	03	29	21	25	22+	25	14	JAN 04	
	AVERAGE DRY BULB	39.2	41.6	56.3	56.1	67.9	70.8	79.4	74.9	67.1	56.3	43.1	43.2	58.0	
	MEAN WET BULB	34.6	36.9	49.3	48.5	61.6	62.9	70.6	67.5	60.9	51.2	37.7	39.0	51.7	
	MEAN DEW POINT	26.4	28.8	41.3	39.8	57.6	57.7	66.7	63.9	57.0	46.6	29.9	33.1	45.7	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	0	9	17	7	1	0	0	0	0	34
MAXIMUM <= 32°	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
MINIMUM <= 32°	25	19	7	2	0	0	0	0	0	0	21	16	90		
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	795	671	273	281	34	14	0	0	46	273	650	669	3706	
	COOLING DEGREE DAYS	0	0	11	18	128	193	454	315	114	11	0	0	1244	
RH	MEAN (PERCENT)	64	63	62	59	74	67	71	74	75	74	64	71	68	
	HOUR 01 LST	72	72	75	71	90	87	87	90	90	89	73	77	81	
	HOUR 07 LST	74	75	74	63	78	69	73	82	81	86	79	81	76	
	HOUR 13 LST	48	47	42	44	53	45	47	50	54	52	41	55	48	
	HOUR 19 LST	66	65	59	61	76	71	75	75	80	76	66	72	70	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	4	3	3	1	5	4	3	6	3	6	0	8	46	
	THUNDERSTORMS	0	3	7	3	3	2	11	3	0	1	0	0	33	
PR	MEAN STATION PRESS. (IN.)	29.07	29.08	29.11	28.97	29.03	29.00	29.02	29.03	29.08	28.99	29.18	29.03	29.05	
	MEAN SEA-LEVEL PRESS. (IN.)	30.08	30.10	30.11	29.97	30.01	29.98	29.99	30.01	30.06	29.99	30.20	30.04	30.05	
WINDS	RESULTANT SPEED (MPH)	2.6	2.0	2.1	0.8	1.0	0.1	0.7	0.8	1.3	0.7	1.0	1.1	0.9	
	RES. DIR. (TENS OF DEGS.)	23	24	22	25	15	13	24	18	19	30	35	26	23	
	MEAN SPEED (MPH)	5.6	5.2	5.2	5.3	4.0	3.4	3.4	3.2	3.1	4.5	3.9	4.9	4.3	
	PREVAIL.DIR.(TENS OF DEGS.)	21	20	21	20	20	02	21	20	20	02	02	22	20	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	28	28	29	22	23	32	22	22	24	21	23	29	32	
	DIR. (TENS OF DEGS.)	21	20	21	19	04	20	26	29	18	02	18	05	20	
	DATE OF OCCURRENCE	17	24	08	21	20	01	27	05	18	28	12	26	JUN 01	
	MAXIMUM 3-SECOND WIND:														
SPEED (MPH)	38	39	41	35	31	61	37	33	35	33	32	39	61		
DIR. (TENS OF DEGS.)	21	28	20	27	04	36	24	31	28	28	03	05	36		
DATE OF OCCURRENCE	17	25	08	10	20	21	27	05	18	30	15	26	JUN 21		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	2.22	2.61	5.78	2.44	2.36	1.71	2.73	2.70	2.35	1.68	0.61	2.65	29.84	
	GREATEST 24-HOUR (IN.)	1.32	0.68	3.06	0.62	0.85	0.70	1.34	0.98	1.20	0.44	0.39	1.00	3.06	
	DATE OF OCCURRENCE	11	19-20	23-24	21-22	13-14	11-12	03	25-26	17-18	28-29	12-13	26	MAR 23-24	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	10	12	12	9	12	10	12	10	9	11	5	9	121		
PRECIPITATION 0.10	4	7	6	5	5	6	7	6	6	7	3	5	67		
PRECIPITATION 1.00	1	0	2	0	0	0	1	0	1	0	0	1	6		
SNOWFALL	SNOW,ICE PELLETS,HAIL	T	7.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	8.5	
	TOTAL (IN.)	T	7.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	7.7	
	GREATEST 24-HOUR (IN.)	22	19	05									29+	FEB 19	
	DATE OF OCCURRENCE	0	8	0	0	0	0	0	0	0	0	0	0	8	
	MAXIMUM SNOW DEPTH (IN.)		19											FEB 19	
	DATE OF OCCURRENCE														
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0	0	1	0	0	0	0	0	0	0	0	0	0	1		

NORMALS, MEANS, AND EXTREMES

LYNCHBURG (KLYH)

LATITUDE: 37° 19'N LONGITUDE: 79° 12'W ELEVATION (FT): GRND: 940 BARO: 1000 TIME ZONE: EASTERN (UTC -5) WBAN: 13733

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	45.4	49.1	57.9	68.2	75.4	83.2	86.5	85.2	78.3	68.5	58.5	47.8	67.0
	MEAN DAILY MAXIMUM	83	45.7	47.6	57.4	67.7	76.4	82.8	86.8	85.3	78.5	68.9	57.7	48.0	66.9
	HIGHEST DAILY MAXIMUM	68	80	79	87	94	93	103	103	102	101	93	83	79	103
	YEAR OF OCCURRENCE		2002	2012	1986	2002	2011	2012	1954	1988	1954	1951	1974	1998	JUN 2012
	MEAN OF EXTREME MAXS.	83	65.8	68.7	77.9	86.0	88.5	92.8	95.2	93.9	90.5	83.2	75.2	67.1	82.1
	NORMAL DAILY MINIMUM	30	24.8	27.2	33.8	42.6	50.9	60.1	64.0	63.0	55.7	44.0	35.1	27.3	44.0
	MEAN DAILY MINIMUM	83	27.1	28.0	35.6	44.2	53.4	61.0	65.7	64.7	57.5	46.1	36.6	29.4	45.8
	LOWEST DAILY MINIMUM	68	-10	-10	5	20	31	40	49	45	35	21	8	-4	-10
	YEAR OF OCCURRENCE		1985	1996	2009	1985	2005	1997	1997	1965	2001	1969	1970	1983	FEB 1996
	MEAN OF EXTREME MINS.	83	7.7	12.0	19.3	28.8	38.6	48.4	56.0	54.8	42.8	29.8	20.5	12.2	30.9
	NORMAL DRY BULB	30	35.1	38.2	45.9	55.4	63.1	71.6	75.3	74.1	67.0	56.2	46.8	37.6	55.5
	MEAN DRY BULB	83	36.4	37.8	46.5	55.9	64.9	72.0	76.3	75.0	68.0	57.5	47.2	38.7	56.4
	MEAN WET BULB	29	30.4	32.3	39.1	47.4	57.1	64.9	68.4	67.5	61.3	50.6	41.3	33.3	49.5
	MEAN DEW POINT	29	26.0	27.4	33.9	42.6	54.1	62.7	66.6	65.7	59.0	47.5	37.3	29.0	46.0
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.2	0.4	4.0	8.4	6.7	1.9	0.1	0.0	0.0	21.7
	MAXIMUM <= 32	30	3.1	1.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	6.3
MINIMUM <= 32	30	24.0	20.8	13.5	3.5	0.3	0.0	0.0	0.0	0.0	2.7	12.0	22.2	99.0	
MINIMUM <= 0	30	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	
H/C	NORMAL HEATING DEG. DAYS	30	927	752	595	304	122	14	1	2	58	286	547	851	4459
	NORMAL COOLING DEG. DAYS	30	0	0	2	16	64	214	318	284	118	15	1	0	1032
RH	NORMAL (PERCENT)	30													
	HOUR 01 LST	30													
	HOUR 07 LST	30	74	74	73	72	81	84	86	89	89	87	81	76	81
	HOUR 13 LST	30	55	51	48	45	53	56	57	57	58	53	52	55	53
	HOUR 19 LST	30	63	58	55	51	62	69	70	72	76	75	66	66	65
S	PERCENT POSSIBLE SUNSHINE	52	52	56	58	62	62	65	62	62	61	62	56	53	59
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	33	2.8	2.9	2.0	1.7	2.6	1.8	3.0	3.6	3.3	2.8	2.4	3.1	32.0
	THUNDERSTORMS	49	0.2	0.4	1.5	2.8	5.6	6.3	8.3	6.0	2.4	0.7	0.5	0.1	34.8
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)	50	5.0	4.9	4.8	4.7	4.8	4.6	4.6	4.5	4.3	3.8	4.4	4.6	4.6
	MIDNIGHT-MIDNIGHT (OKTAS)	2	1.9	1.8	1.9	1.9	2.4	1.8	2.6	2.4	1.4	1.8	0.0	0.0	1.7
	MEAN NO. DAYS WITH: CLEAR	50	8.7	8.4	8.8	8.5	8.1	7.9	8.0	9.0	10.2	13.2	10.1	10.1	111.0
	PARTLY CLOUDY	50	7.3	6.9	8.7	9.2	10.3	11.8	11.4	11.1	8.8	7.2	7.3	6.7	106.7
	CLOUDY	50	14.9	13.0	13.5	12.3	12.6	10.2	11.1	10.9	11.0	10.6	12.5	14.2	146.8
PR	MEAN STATION PRESSURE(IN)	29	29.08	29.07	29.05	28.99	29.02	29.02	29.04	29.06	29.09	29.10	29.11	29.10	29.06
	MEAN SEA-LEVEL PRES. (IN)	29	30.11	30.09	30.06	29.99	30.01	30.00	30.02	30.04	30.08	30.10	30.13	30.13	30.06
WINDS	MEAN SPEED (MPH)	29	6.6	6.7	7.2	7.3	6.1	5.3	4.9	4.7	5.0	5.2	5.8	6.0	5.9
	PREVAIL.DIR.(TENS OF DEGS)	22	21	20	21	20	21	21	24	21	02	21	21	21	21
	MAXIMUM 2-MINUTE: SPEED (MPH)	16	29	32	35	35	29	38	31	31	31	29	29	32	38
	DIR. (TENS OF DEGS)		27	25	21	20	17	19	17	05	04	04	18	19	19
	YEAR OF OCCURRENCE		2006	2008	2008	2003	2004	1998	2004	2002	2008	2007	2001	2006	JUN 1998
	MAXIMUM 3-SECOND SPEED (MPH)	16	45	49	49	58	39	61	41	44	41	37	41	43	61
	DIR. (TENS OF DEGS)		24	25	28	23	16	36	23	06	04	28	02	27	36
	YEAR OF OCCURRENCE		2000	2008	2004	2003	2002	2012	2008	2002	2011	2006	2009	2007	JUN 2012
PRECIPITATION	NORMAL (IN)	30	3.14	2.93	3.58	3.31	3.73	3.62	4.36	3.26	3.88	3.11	3.41	3.24	41.57
	MAXIMUM MONTHLY (IN)	68	7.97	6.08	9.24	7.95	9.07	9.97	10.30	11.36	12.57	11.40	8.77	7.15	12.57
	YEAR OF OCCURRENCE		1978	1998	1975	1987	1971	1989	1984	1952	1996	1976	1985	1973	SEP 1996
	MINIMUM MONTHLY (IN)	68	0.49	0.54	0.74	0.28	0.88	0.47	1.07	0.73	0.02	0.01	0.30	0.33	0.01
	YEAR OF OCCURRENCE		1981	1978	1966	1976	1997	1986	2008	1995	1978	2000	2001	1965	OCT 2000
	MAXIMUM IN 24 HOURS (IN)	68	2.55	2.87	3.06	3.67	3.47	6.27	4.82	5.37	6.41	4.98	3.29	3.03	6.41
	YEAR OF OCCURRENCE		2010	1984	2012	1978	1960	1972	1984	1998	1996	1954	2009	1948	SEP 1996
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	9.2	9.4	10.6	10.0	12.3	10.0	11.7	9.4	8.3	7.1	8.3	9.6	115.9
	PRECIPITATION >= 1.00	30	0.6	0.7	0.9	0.8	0.7	0.9	1.3	0.7	1.1	1.0	1.1	0.6	10.4
SNOWFALL	NORMAL (IN)	30	4.5	4.2	1.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.1	12.9
	MAXIMUM MONTHLY (IN)	61	31.8	19.5	24.9	4.8	T	T	T	0.0	T	2.4	11.6	17.9	31.8
	YEAR OF OCCURRENCE		1966	1996	1960	1971	1996	2007			2006	1979	1968	1966	JAN 1966
	MAXIMUM IN 24 HOURS (IN)	61	19.0	14.6	13.4	4.8	T	T	0.0	0.0	T	2.4	6.7	12.7	19.0
	YEAR OF OCCURRENCE		1996	1983	1969	1971	1996	2007			2006	1979	1968	1969	JAN 1996
	MAXIMUM SNOW DEPTH (IN)	57	25	21	14	10	0	0	0	0	0	0	4	12	25
	YEAR OF OCCURRENCE		1966	1966	1962	1957							1968	1969	JAN 1966
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	1.0	0.9	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8	3.4	

PRECIPITATION (inches) 2012 LYNCHBURG (KLYH)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1983	1.14	3.70	4.13	6.67	2.83	1.64	1.46	2.62	1.66	5.99	5.14	5.48	42.46
1984	1.54	5.39	6.45	4.27	4.21	2.74	10.30	5.98	2.15	2.18	1.99	2.01	49.21
1985	2.77	3.41	0.96	1.83	5.97	1.45	3.61	7.10	0.06	3.30	8.77	1.11	40.34
1986	0.83	2.85	0.97	1.21	3.10	0.47	3.20	3.57	1.63	2.38	3.27	4.86	28.34
1987	4.35	3.33	2.35	7.95	3.15	0.86	2.98	0.99	7.36	0.67	3.92	3.38	41.29
1988	2.09	1.26	1.55	3.72	4.20	2.04	3.04	3.68	1.73	1.84	4.25	1.20	30.60
1989	1.37	2.91	3.55	5.03	5.57	9.97	8.30	4.39	9.90	3.73	1.38	3.01	59.11
1990	3.19	3.20	4.02	3.10	5.70	4.79	2.78	3.27	2.03	10.81	1.68	5.14	49.71
1991	3.00	2.20	6.66	2.80	2.66	1.14	4.51	1.37	0.74	0.62	3.25	5.52	34.47
1992	2.31	2.94	3.20	4.26	5.99	1.88	3.27	1.50	4.13	1.76	5.60	3.45	40.29
1993	4.14	3.59	7.01	3.59	2.23	2.33	5.06	1.61	1.67	1.77	3.16	4.89	41.05
1994	4.78	4.61	7.24	1.72	1.85	4.49	7.14	3.16	2.41	1.03	1.88	1.78	42.09
1995	4.64	2.14	1.14	1.27	4.87	9.26	4.82	0.73	2.70	7.30	3.04	2.05	43.96
1996	6.33	2.70	4.24	2.01	5.02	2.57	2.78	4.78	12.57	3.10	4.42	4.57	55.09
1997	4.35	2.98	4.40	3.61	0.88	3.38	2.75	1.64	3.08	1.84	4.29	2.72	35.92
1998	7.85	6.08	5.05	5.50	4.74	2.63	1.98	6.27	1.87	1.50	1.17	3.08	47.72
1999	4.53	2.64	2.71	2.35	0.94	1.56	4.39	2.50	12.05	1.41	2.29	2.35	39.72
2000	3.33	1.84	2.51	3.48	2.02	5.41	6.88	5.60	4.02	0.01	1.23	1.51	37.84
2001	2.42	1.70	4.90	1.25	4.31	4.51	4.84	2.21	2.17	0.70	0.30	3.16	32.47
2002	2.33	1.03	3.88	1.82	4.16	0.72	4.64	1.79	2.46	4.62	5.40	4.04	36.89
2003	1.53	5.75	4.16	5.32	8.17	5.71	8.31	3.56	7.13	2.28	3.64	3.35	58.91
2004	1.74	2.03	1.83	2.93	2.20	5.26	2.63	3.01	6.64	1.98	5.14	2.41	37.80
2005	3.73	1.79	3.51	2.25	2.12	3.33	4.31	2.28	0.12	7.29	4.05	3.03	37.81
2006	3.15	2.07	0.76	2.44	1.65	6.75	2.37	4.19	7.73	6.76	4.77	1.66	44.30
2007	3.33	2.00	3.95	3.10	3.37	3.06	7.19	1.49	1.21	4.97	0.46	2.65	36.78
2008	1.27	1.95	3.61	4.39	2.86	1.94	1.07	2.73	2.28	2.09	3.94	3.48	31.61
2009	3.13	1.14	3.23	2.87	7.04	3.71	3.09	2.37	2.17	3.17	8.19	6.82	46.93
2010	4.79	2.29	5.22	2.86	4.56	3.13	2.89	6.53	6.83	2.49	1.93	2.16	45.68
2011	1.30	2.12	2.69	5.36	3.33	3.81	2.99	2.06	4.49	2.95	3.27	4.61	38.98
2012	2.22	2.61	5.78	2.44	2.36	1.71	2.73	2.70	2.35	1.68	0.61	2.65	29.84
POR= 83 YRS	3.22	2.79	3.68	3.12	3.56	3.73	4.18	3.71	3.52	3.07	2.99	3.23	40.80

WBAN : 13733

AVERAGE TEMPERATURE (°F) 2012 LYNCHBURG (KLYH)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1983	35.9	37.7	46.9	52.4	62.1	72.1	77.4	78.4	68.7	57.5	48.0	34.9	56.0
1984	32.8	43.3	43.6	53.7	63.3	74.5	73.3	74.9	65.6	65.5	45.4	47.4	56.9
1985	32.3	39.2	49.6	61.2	65.9	71.5	74.9	73.4	68.5	60.3	54.6	35.6	57.3
1986	35.6	38.9	47.8	58.5	64.4	74.6	78.8	72.4	68.9	59.3	47.4	38.8	57.1
1987	33.9	36.9	46.7	53.8	67.0	74.7	79.4	77.5	69.9	52.2	49.7	41.3	56.9
1988	31.5	37.8	47.6	55.6	64.1	71.4	78.2	78.4	66.7	51.4	47.5	38.1	55.7
1989	41.2	38.4	47.3	54.9	62.0	73.9	75.7	73.7	67.8	58.5	47.1	29.4	55.8
1990	43.9	45.6	50.9	55.9	64.0	71.0	75.5	73.3	67.3	59.2	51.1	43.5	58.4
1991	38.9	42.2	49.6	57.8	69.4	73.5	78.5	75.4	69.8	59.6	46.6	42.4	58.6
1992	39.7	41.4	46.7	55.7	61.7	70.6	78.1	72.8	68.9	56.4	48.0	39.9	56.7
1993	40.1	36.4	43.8	56.1	67.6	73.9	80.7	77.8	70.8	56.8	48.1	37.7	57.5
1994	31.6	39.7	47.1	61.0	61.0	74.0	76.5	73.0	66.7	56.5	51.6	44.4	56.9
1995	38.7	37.0	50.4	57.3	65.1	72.3	77.7	77.8	67.0	58.9	43.0	36.0	56.8
1996	33.8	37.5	41.7	55.8	64.7	73.8	74.9	72.2	65.5	56.4	40.3	39.6	54.7
1997	34.9	41.1	47.2	51.0	58.0	68.0	75.0	72.1	65.9	54.9	42.5	37.0	54.0
1998	40.1	40.7	44.9	55.2	65.7	72.0	74.7	74.0	71.4	56.7	46.8	41.7	57.0
1999	38.4	40.0	42.6	56.0	62.7	69.9	77.4	75.0	65.8	54.4	51.1	39.9	56.1
2000	33.7	41.3	49.9	54.0	65.3	72.8	72.1	72.2	64.8	57.1	43.0	28.9	54.6
2001	34.8	41.4	42.6	57.1	62.5	71.8	71.0	74.7	64.2	54.1	50.6	41.9	55.6
2002	39.1	40.7	46.4	57.8	62.9	73.3	76.7	76.1	69.9	57.0	45.0	35.8	56.7
2003	32.1	35.5	49.0	56.2	61.7	68.7	73.8	75.2	66.0	54.8	51.4	36.4	55.1
2004	32.5	36.4	48.1	56.0	68.9	71.1	75.0	71.5	67.6	57.4	49.1	38.0	56.0
2005	38.0	39.5	42.3	55.6	60.0	71.5	76.7	76.3	70.8	58.2	48.1	35.0	56.0
2006	42.3	37.8	46.7	58.9	61.2	70.6	76.5	76.7	64.5	53.2	48.5	42.7	56.6
2007	39.2	32.3	50.4	53.8	64.7	72.3	74.4	78.6	69.8	61.8	45.9	41.1	57.0
2008	35.6	39.8	47.2	55.6	62.0	74.0	75.7	73.8	68.4	55.1	43.7	39.2	55.8
2009	32.8	39.4	45.4	55.9	64.8	72.3	72.6	75.7	66.8	55.5	49.5	34.9	55.5
2010	32.8	31.5	48.7	58.7	66.7	76.3	78.6	76.6	69.7	58.5	46.5	30.4	56.3
2011	32.9	41.1	46.7	59.2	65.5	74.1	78.6	76.1	68.4	55.7	49.2	42.8	57.5
2012	39.2	41.6	56.3	56.1	67.9	70.8	79.4	74.9	67.1	56.3	43.1	43.2	58.0
POR= 83 YRS	36.4	37.8	46.5	55.9	64.9	72.0	76.3	75.0	68.0	57.5	47.2	38.7	56.4

HEATING DEGREE DAYS (base 65°F) 2012 LYNCHBURG (KLYH)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84	0	0	73	243	502	927	991	622	656	348	111	5	4478
1984-85	0	0	91	59	580	539	1006	716	482	170	49	11	3703
1985-86	1	0	53	167	307	901	904	723	529	208	95	2	3890
1986-87	0	18	26	225	520	805	957	782	564	341	55	0	4293
1987-88	0	0	11	389	450	729	1030	782	538	282	83	37	4331
1988-89	0	0	39	417	517	828	732	737	556	317	155	0	4298
1989-90	0	2	58	221	525	1100	645	536	455	301	87	8	3938
1990-91	0	0	54	206	408	659	804	631	469	231	37	4	3503
1991-92	0	0	41	195	546	697	780	678	562	294	144	5	3942
1992-93	0	0	48	266	504	773	766	796	653	270	29	3	4108
1993-94	0	0	33	263	510	840	1028	700	546	169	156	7	4252
1994-95	0	1	22	262	401	631	808	775	446	249	82	0	3677
1995-96	0	0	49	212	657	894	958	792	716	287	128	4	4697
1996-97	0	0	64	265	734	778	926	663	546	414	229	65	4684
1997-98	2	3	45	326	668	860	765	673	635	296	69	25	4367
1998-99	0	0	25	257	538	720	819	692	691	285	90	17	4134
1999-00	6	1	54	328	409	771	960	683	460	322	75	6	4075
2000-01	2	0	101	253	654	1113	930	658	688	270	101	8	4778
2001-02	7	0	95	333	423	709	793	675	569	258	142	2	4006
2002-03	2	2	9	283	594	900	1015	820	489	273	133	28	4548
2003-04	0	0	43	310	406	880	1001	823	517	290	40	2	4312
2004-05	0	10	20	239	473	832	833	705	695	278	163	12	4260
2005-06	0	0	8	230	501	924	696	759	565	199	164	6	4052
2006-07	0	0	77	365	491	684	791	908	458	345	103	7	4229
2007-08	0	0	34	169	565	736	906	722	545	284	126	1	4088
2008-09	0	4	28	309	632	793	992	708	607	292	90	1	4456
2009-10	0	0	27	294	458	926	992	930	496	206	62	0	4391
2010-11	0	0	16	209	548	1069	986	663	561	213	75	0	4340
2011-12	0	0	30	286	466	680	795	671	273	281	34	14	3530
2012-	0	0	46	273	650	669							

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COOLING DEGREE DAYS (base 65°F) 2012 LYNCHBURG (KLYH)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1983	0	0	0	10	45	227	394	422	193	17	0	0	1308
1984	0	0	0	17	65	296	265	314	115	81	0	1	1154
1985	0	1	13	65	83	215	316	268	163	29	2	0	1155
1986	0	0	3	23	82	295	434	254	149	52	0	0	1292
1987	0	0	0	12	122	297	454	395	166	0	0	0	1446
1988	0	0	1	7	65	234	420	421	94	3	0	0	1245
1989	0	0	13	22	70	276	339	281	150	26	0	0	1177
1990	0	0	25	35	62	193	335	266	127	31	0	0	1074
1991	0	0	2	22	182	267	424	330	194	30	1	0	1452
1992	0	0	0	18	50	181	415	252	171	8	0	0	1095
1993	0	0	0	9	118	277	489	403	213	17	9	0	1535
1994	0	0	0	55	39	285	365	255	81	6	2	0	1088
1995	0	0	0	22	91	223	400	406	115	30	0	0	1287
1996	0	0	0	18	127	273	316	229	88	6	0	0	1057
1997	0	0	0	0	21	164	318	230	80	22	0	0	835
1998	0	0	16	8	97	241	309	286	224	6	0	2	1189
1999	0	0	0	18	28	169	398	318	84	5	0	0	1020
2000	0	0	1	2	92	245	229	231	105	15	0	0	920
2001	0	0	0	42	29	220	200	309	81	2	0	0	883
2002	0	0	0	47	83	257	370	350	161	46	0	0	1314
2003	0	0	1	17	39	144	279	322	81	1	5	0	889
2004	0	0	0	29	168	195	317	217	104	11	0	0	1041
2005	0	0	0	4	18	210	367	358	188	28	0	0	1173
2006	0	0	7	26	55	182	362	371	68	6	0	0	1077
2007	0	0	10	13	100	231	298	428	187	76	0	0	1343
2008	0	0	0	11	37	276	338	282	137	8	0	0	1089
2009	0	0	4	28	92	229	243	338	88	3	0	0	1025
2010	0	0	0	26	123	345	430	365	164	14	0	0	1467
2011	0	0	1	46	96	282	429	352	138	2	0	0	1346
2012	0	0	11	18	128	193	454	315	114	11	0	0	1244

SNOWFALL (inches) 2012 LYNCHBURG (KLYH)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84	0.0	0.0	0.0	0.0	0.0	T	3.8	0.1	0.4	T	0.0	0.0	4.3
1984-85	0.0	0.0	0.0	0.0	T	0.0	6.4	T	0.5	0.0	0.0	0.0	6.9
1985-86	0.0	0.0	0.0	0.0	0.0	1.2	2.5	8.2	T	0.0	0.0	0.0	11.9
1986-87	0.0	0.0	0.0	0.0	T	T	28.3	13.5	3.1	0.2	0.0	0.0	45.1
1987-88	0.0	0.0	0.0	0.0	1.2	0.0	8.3	0.0	0.0	T	0.0	0.0	9.5
1988-89	0.0	0.0	0.0	0.0	0.0	3.5	0.3	10.1	1.0	T	0.0	0.0	14.9
1989-90	0.0	0.0	0.0	0.0	1.0	11.2	T	0.2	5.5	0.0	0.0	0.0	17.9
1990-91	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.4	1.7	0.0	0.0	0.0	4.1
1991-92	0.0	0.0	0.0	0.0	T	T	T	0.8	0.9	1.4	0.0	0.0	3.1
1992-93	0.0	0.0	0.0	0.0	T	T	T	5.4	13.0	T	0.0	0.0	18.4
1993-94	0.0	0.0	0.0	T	0.0	5.4	3.1	2.0	1.3	0.0	0.0	0.0	11.8
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.6	1.0	0.0	0.0	0.0	7.0
1995-96	0.0	0.0	0.0	0.0	T	6.5	25.3	19.5	5.5	T	T	0.0	56.8
1996-97	0.0												
1997-98													
1998-99													
1999-00													
2000-01													
2001-02													
2002-03													
2003-04							6.2	1.5	0.0	0.0	0.0	0.0	
2004-05	0.0	0.0	0.0	0.0	0.0	T	2.8	4.6	2.1	0.0	0.0	0.0	9.5
2005-06	0.0	0.0	0.0	0.0	T	4.8	0.0	8.1	T	0.0	0.0	0.0	12.9
2006-07	0.0	0.0	T	0.0	0.0	0.0	T	3.1	0.0	T	0.0	T	3.1
2007-08	0.0	0.0	0.0	0.0	0.0	0.1	2.0	T	T	0.0	0.0	0.0	2.1
2008-09	0.0	0.0	0.0	T	0.0	0.3	0.0	1.2	10.0	0.0	0.0	0.0	11.5
2009-10	0.0	0.0	0.0	0.0	0.0	12.5	11.4	10.1	0.8	0.0	0.0	0.0	34.8
2010-11	0.0	0.0	0.0	0.0	0.0	6.3	1.9	T	0.2	0.0	0.0	0.0	8.4
2011-12	0.0	0.0	0.0	T	0.0	0.0	T	7.7	0.8	0.0	0.0	0.0	8.5
2012-	0.0	0.0	0.0	0.0	0.0	T							
POR= 83 YRS	0.0	0.0	T	T	0.5	2.8	4.6	4.4	2.7	0.2	T	T	15.2

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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. ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM. PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH. POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING. WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED. 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05. CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.</p> <p>GENERAL CONTINUED: WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH. RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION. AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2. SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN</p>	<p>PRECIPITATION, INCLUDING HAIL. A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65 F. DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR. DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY. WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY. ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED STATION HISTORY INFORMATION GO TO "Historical Observing Metadata Repository", URL IS: http://www.ncdc.noaa.gov/homr/ SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p>NOTE: The "Period of Record:(POR)" for all "averages" is based on "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p> <p>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.</p> <ol style="list-style-type: none"> 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.
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2012 LYNCHBURG VIRGINIA (KLYH)

Lynchburg is situated in the valley of the James River, and on the eastern edge of the Blue Ridge Mountains. The terrain is definitely hilly, with sheltered valleys which are visited by early autumn and late spring frosts. The climate is usually a pleasant one, being neither too hot in the summer, nor too cold in the winter. Rainfall is fairly evenly distributed throughout the year, but there is a distinct summertime rainfall, occasioned by afternoon thunderstorms.

Spring makes itself felt in March, when the mean monthly temperature increases about 7 degrees over the February temperature. Autumn rapidly comes in October, which shows about a 10 degree drop below the September mean. The approaching autumn season brings periods of two to three days of cloudy, cool weather, with high humidity and light rain or drizzle. In midwinter, however, after the passage of a cold front, dry invigorating air, with clear skies, is the rule in Lynchburg. There are occasional snow showers, but the mountains to the immediate west act as a barrier and shelter the area from many storms and high winds.

The mountains also act as a barrier to extremely cold weather. Temperatures have fallen below zero only on a few days, and 100 degree heat is almost as rare, although this mark has been exceeded in the months of May through September.

Great variation in temperature is quite frequently noted during clear, still nights in the winter months. On some such nights, differences of as much as 10-15 degrees occur between the low valleys and the higher terrain.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 23 and the average last occurrence in the spring is April 13.

Station History

LYNCHBURG, VA

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
LYNCHBURG MUNICIPAL AP	1992-05-22	1996-08-01	37° 19'	-79° 12'	940		COOP
LYNCHBURG REGIONAL AP	1996-08-01	2009-07-20	37° 19'	-79° 12'	940		ASOS, COOP
LYNCHBURG PRESTON GLENN AP	1944-07-20	1948-01-01	37° 19'	-79° 12'			AIRWAYS
LYNCHBURG MUNICIPAL AP	1973-01-01	1981-12-31	37° 19'	-79° 12'	921		COOP, WXSVC
LYNCHBURG REGIONAL AP	2009-07-20	Present	37° 19'	-79° 12'	940		ASOS, COOP
LYNCHBURG MUNICIPAL AP	1981-12-31	1992-05-22	37° 19'	-79° 12'	921		COOP
LYNCHBURG PRESTON GLENN AP	1934-06-01	1944-07-20	37° 19'	-79° 12'			WXSVC
LYNCHBURG PRESTON GLENN AP	1963-01-01	1963-01-26	37° 19'	-79° 12'	921		AIRWAYS, COOP
LYNCHBURG MUNICIPAL AP	1963-01-26	1973-01-01	37° 19'	-79° 12'	921		AIRWAYS, COOP
LYNCHBURG PRESTON GLENN AP	1948-01-01	1963-01-01	37° 19'	-79° 12'	955		AIRWAYS, COOP

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
PRECIP	1970-10-01	1992-05-22	DAILY	2400	UNIV	RCRD	
TEMP	1992-05-22	1995-07-01	DAILY	2400	HYGR		
PRECIP	1995-07-01	1996-08-01	HOURLY	2400	UNIV	RCRD	
PRECIP	1995-07-01	1996-08-01	DAILY	2400	UNIV	RCRD	
TEMP	1934-06-01	1970-10-01	DAILY	2400			
PRECIP	1996-08-01	2009-07-20	DAILY	2400			
PRECIP	1934-06-01	1970-10-01	DAILY	2400	UNIV	RCRD	
PRECIP	1970-10-01	1992-05-22	HOURLY	2400			
PRECIP	1996-08-01	2009-07-20	HOURLY	2400	TB	RCRD	
TEMP	1996-08-01	2009-07-20	DAILY	2400	HYGR		
TEMP	2009-07-20	2011-10-26	DAILY	2400	HYGR		
PRECIP	2009-07-20	2011-10-26	HOURLY	2400	TB	RCRD	
PRECIP	2011-10-26	Present	HOURLY	2400	AHTB	RCRD;HTD	
TEMP	2011-10-26	Present	DAILY	2400	ATEMP		
TEMP	1970-10-01	1992-05-22	DAILY	2400			
PRECIP	1992-05-22	1995-07-01	DAILY	2400	UNIV	RCRD	
TEMP	1995-07-01	1996-08-01	DAILY	2400	HYGR		
PRECIP	2009-07-20	2011-10-26	DAILY	2400	PCPN1		
PRECIP	1992-05-22	1995-07-01	HOURLY	2400			
PRECIP	2011-10-26	Present	DAILY	2400	PCPNX		
SNOWDPH	2011-10-26	Present	DAILY	2400	SNOWSTICK		

* 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>

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151 Patton Avenue

Asheville, NC 28801-5001

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