

1998

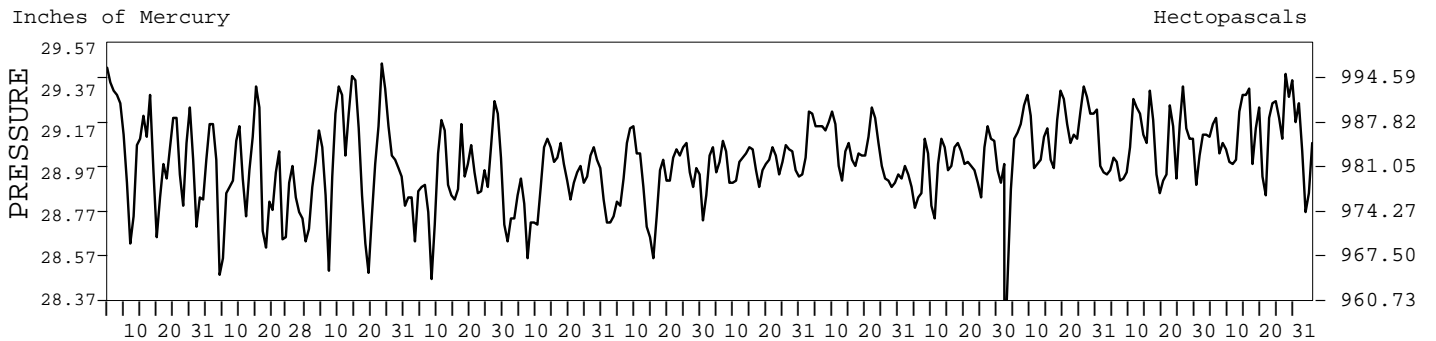
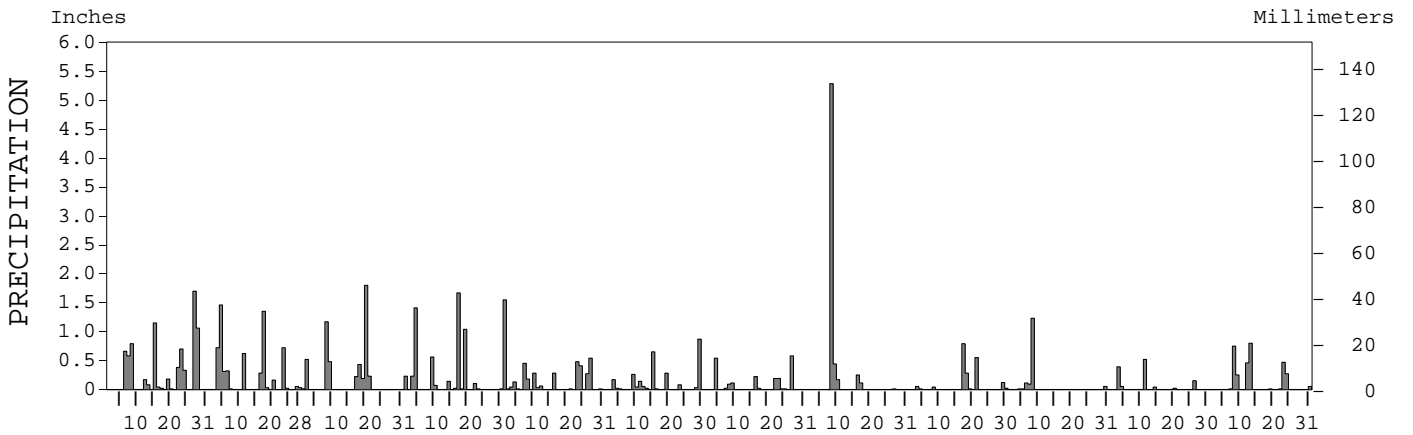
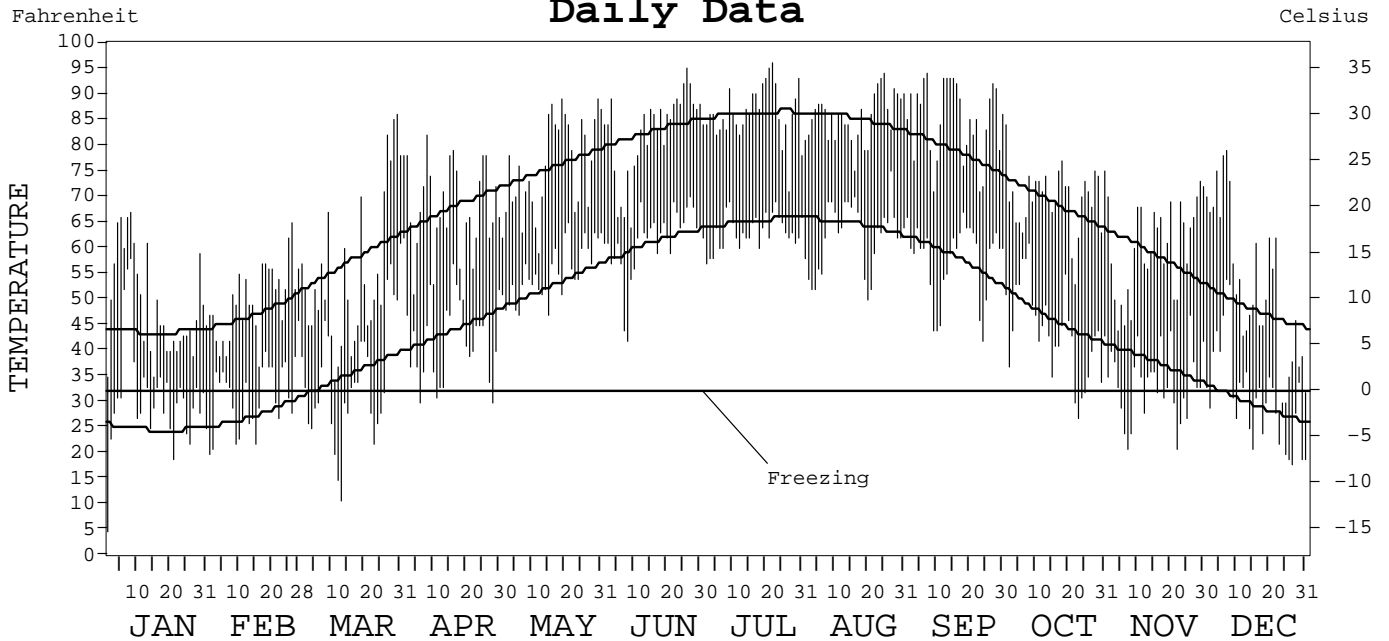
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-5337

LYNCHBURG,
VIRGINIA (LYH)

Daily Data



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Thomas R. Karl

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
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 ASHEVILLE, NORTH CAROLINA

METEOROLOGICAL DATA FOR 1998

LYNCHBURG, VA (LYH)

LATITUDE: 37° 20' 15" N LONGITUDE: 79° 12' 24" W ELEVATION (FT): GRND: 921 BARO: 971 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	49.1	49.9	55.2	67.6	76.0	82.5	86.2	85.6	85.1	69.7	60.0	52.2	68.3	
	HIGHEST DAILY MAXIMUM	67	65	86	82	89	95	96	94	94	84	73	79	96	
	DATE OF OCCURRENCE	08	26	30	8	30+	26	22	25	07	01	29	07	JUL 22	
	MEAN DAILY MINIMUM	31.0	31.4	34.5	42.7	55.3	61.4	63.2	62.3	57.7	43.7	33.5	31.2	45.7	
	LOWEST DAILY MINIMUM	5	20	11	30	47	42	57	50	42	27	21	18	5	
	DATE OF OCCURRENCE	01	01	13	28+	15+	08	02	20	24	23	22+	27	JAN 01	
	AVERAGE DRY BULB	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	
	MEAN WET BULB	37.2	37.0		49.2	61.0	66.3	68.7	66.6		51.6	42.7			
	MEAN DEW POINT	32.5	32.0		42.7	58.0	62.9	65.5	61.9		47.0	37.2			
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	0	3	9	7	11	0	0	0	0	30
	MAXIMUM ≤ 32°	0	0	0	0	0	0	0	0	0	0	0	4	4	4
	MINIMUM ≤ 32°	20	14	15	3	0	0	0	0	0	4	12	17	85	85
	MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	H/C	HEATING DEGREE DAYS	765	673	635	296	69	25	0	0	25	257	538	720	4003
COOLING DEGREE DAYS		0	0	16	8	97	241	309	286	224	6	0	2	1189	
RH	MEAN (PERCENT)	76	75	62	68	80	76	76	71	69	75	73	74	73	
	HOUR 01 LST	81	83	70	78	92	89	92	86	85	90	87	85	85	
	HOUR 07 LST	87	87	78	83	89	82	85	83	88	93	89	87	86	
	HOUR 13 LST	65	62	47	52	62	57	54	50	46	53	50	58	55	
	HOUR 19 LST	78	71	57	61	81	74	75	69	70	77	70	76	72	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	3	4	2	0	6	5	6	2	2	0	1	2	33	
	THUNDERSTORMS	0	0	2	3	9	5	4	2	0	0	1	0	26	
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.)	29.07	28.93	29.04	28.95	28.92	28.94	29.02	29.09		29.16	29.12	29.17		
	MEAN SEA-LEVEL PRESS. (IN.)	30.08	29.94			29.90	29.91	30.00	30.07		30.16	30.13			
WINDS	RESULTANT SPEED (MPH)	1.4	1.5	2.7	2.3	0.6	1.3	0.4	0.2		0.6	1.7	1.5		
	RES. DIR. (TENS OF DEGS.)	21	31	22	20	24	23	21	18		25	22	23		
	MEAN SPEED (MPH)	4.4	4.7	5.9	5.1	3.1	3.6	2.8	2.4	2.7	2.0	3.1	3.0	3.6	
	PREVAIL. DIR. (TENS OF DEGS.)	18	27	18	19	18	21	20	19	19	19	18	19	19	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	24	24	29	29	24	38	30	20	17	18	28	22	38	
	DIR. (TENS OF DEGS.)	15	28	18	24	29	19	28	13	31	32	17	26	19	
	DATE OF OCCURRENCE	08	24	09	09	26	15	22	09	09+	22	11	22	JUN 15	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	33	46	41	39	32	52	40	24	24	25	33	30	52	
DIR. (TENS OF DEGS.)	03	03	24	25	30	18	27	14	31	31	17	27	18		
DATE OF OCCURRENCE	27	04	14	09	26	15	22	09	08	22+	11	22	JUN 15		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	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	
	GREATEST 24-HOUR (IN.)	2.44	1.97	1.81	1.69	1.55	0.90	0.58	5.37	1.07	1.27	0.52	1.23	5.37	
	DATE OF OCCURRENCE	27-28	03-04	20-21	16-17	01	28-29	27	08-09	17-18	07-08	11	12-13	AUG 08-09	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	15	14	9	13	17	14	11	6	9	6	6	10	130	
PRECIPITATION ≥ 0.10	11	9	8	8	10	6	6	5	4	2	3	6	78		
PRECIPITATION ≥ 1.00	3	2	2	3	1	0	0	1	0	1	0	0	13		
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

LYNCHBURG, VA (LYH)

LATITUDE: 37° 20' 15" N LONGITUDE: 79° 12' 24" W ELEVATION (FT): GRND: 921 BARO: 971 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	43.6	47.1	57.3	67.6	75.6	82.6	86.0	84.9	78.5	68.3	58.1	47.6	66.4
	MEAN DAILY MAXIMUM	51	44.9	48.2	56.7	67.9	75.6	82.8	86.4	84.8	78.4	68.4	57.5	47.8	66.6
	HIGHEST DAILY MAXIMUM	54	76	79	87	92	93	100	103	102	101	93	83	79	103
	YEAR OF OCCURRENCE		1952	1985	1986	1985	1969	1945	1954	1988	1954	1951	1974	1998	JUL 1954
	MEAN OF EXTREME MAXS.	51	65.2	68.5	77.6	85.8	88.5	92.7	95.2	93.7	91.0	83.1	75.1	67.3	82.0
	NORMAL DAILY MINIMUM	30	24.7	27.4	35.4	43.8	52.6	60.8	65.1	64.4	57.7	45.7	37.3	29.1	45.3
	MEAN DAILY MINIMUM	51	26.6	28.6	35.4	44.5	53.1	61.2	65.7	64.5	57.8	46.2	36.8	29.4	45.8
	LOWEST DAILY MINIMUM	54	-10	-10	7	20	31	40	49	45	36	21	8	-4	-10
	YEAR OF OCCURRENCE		1985	1996	1993	1985	1997	1997	1997	1965	1983	1969	1970	1983	FEB 1996
	MEAN OF EXTREME MINS.	51	7.8	11.7	19.5	28.8	39.0	48.5	56.3	54.9	43.1	30.1	20.3	11.8	31.0
	NORMAL DRY BULB	30	34.2	37.2	46.4	55.7	64.1	71.7	75.6	74.6	68.1	57.0	47.7	38.4	55.9
	MEAN DRY BULB	51	35.8	38.4	46.0	56.2	64.4	72.0	76.1	74.6	68.1	57.3	47.2	38.7	56.2
	MEAN WET BULB	14	33.2	35.8	41.6	49.1	58.4	66.4	65.7	68.5	58.2	52.3	40.8	33.1	50.3
	MEAN DEW POINT	14	22.8	24.4	29.3	36.8	48.9	57.5	61.9	64.7	54.0	46.2	33.3	25.1	42.1
	NORMAL NO. DAYS WITH:														
MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.4	0.5	4.2	8.4	6.7	2.3	*	0.0	0.0	22.5	
MAXIMUM ≤ 32°	30	5.1	2.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.6	10.5	
MINIMUM ≤ 32°	30	23.4	20.4	11.9	2.8	0.1	0.0	0.0	0.0	0.0	2.5	9.6	19.9	90.6	
MINIMUM ≤ 0°	30	0.5	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*	0.5	
H/C	NORMAL HEATING DEG. DAYS	30	955	778	577	283	95	6	0	0	32	270	519	825	4340
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	67	207	329	298	125	22	0	0	1048
RH	NORMAL (PERCENT)	30										67			
	HOUR 01 LST	30	72	68	72	59	80	83	87	90	84	77	74	71	76
	HOUR 07 LST	30	72	72	72	72	81	84	86	88	88	85	78	74	79
	HOUR 13 LST	30	53	51	48	45	52	54	57	57	57	52	52	54	53
	HOUR 19 LST	30	60	56	54	50	61	66	68	71	73	70	63	63	63
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)	25	3.9	3.8	2.8	2.4	3.5	2.4	2.6	3.2	3.6	2.4	3.4	3.8	37.8
	THUNDERSTORMS	25	0.3	0.4	1.2	2.8	6.4	6.9	8.5	7.2	3.3	0.9	0.5	0.1	38.5
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)	12	29.06	29.07	29.07	28.99	29.02	29.04	29.08	29.08	29.10	29.11	29.10	29.08	29.07
	MEAN SEA-LEVEL PRES. (IN)	14	30.12	30.08	30.05	29.99	30.01	30.00	30.04	30.06	30.06	30.13	30.13	30.13	30.07
WINDS	MEAN SPEED (MPH)	14	7.9	7.5	8.0	8.1	6.7	6.3	5.9	5.3	5.8	6.0	6.6	6.6	6.7
	PREVAIL.DIR(TENS OF DEGS)	8	27	27	23	23	23	23	23	23	36	04	23	23	23
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	2	24	26	29	29	28	38	30	21	18	18	28	22	38
	DIR. (TENS OF DEGS)		15	27	18	24	29	19	28	18	25	29	17	27	19
	YEAR OF OCCURRENCE		1998	1997	1998	1998	1997	1998	1998	1997	1997	1997	1998	1997	JUN 1998
	MAXIMUM 5-SECOND:														
SPEED (MPH)	2	34	46	41	39	39	52	40	29	28	25	33	31	52	
DIR. (TENS OF DEGS)		27	03	24	25	30	18	27	20	29	26	17	26	18	
YEAR OF OCCURRENCE		1997	1998	1998	1998	1997	1998	1998	1997	1997	1997	1998	1997	JUN 1998	
PRECIPITATION	NORMAL (IN)	30	2.86	3.04	3.47	3.09	3.91	3.45	4.16	3.59	3.24	3.70	3.14	3.23	40.88
	MAXIMUM MONTHLY (IN)	54	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)	54	0.49	0.54	0.74	0.28	0.88	0.47	1.15	0.73	0.02	0.38	0.90	0.33	0.02
	YEAR OF OCCURRENCE		1981	1978	1966	1976	1997	1986	1977	1995	1978	1974	1960	1965	SEP 1978
	MAXIMUM IN 24 HOURS (IN)	54	2.44	2.87	2.47	3.67	3.47	6.27	4.82	5.37	6.41	4.98	2.65	3.03	6.41
	YEAR OF OCCURRENCE		1998	1984	1975	1978	1960	1972	1984	1998	1996	1954	1951	1948	SEP 1996
	NORMAL NO. DAYS WITH:														
PRECIPITATION ≥ 0.01	30	10.3	9.2	10.7	9.6	11.5	9.6	11.1	10.0	7.7	7.4	9.0	9.8	115.9	
PRECIPITATION ≥ 1.00	30	0.6	0.6	0.7	0.6	1.0	0.9	1.1	1.0	0.8	1.2	0.8	0.6	9.9	
SNOWFALL	NORMAL (IN)	30	6.6	6.4	3.1	0.3	0.0	0.0	0.0	0.0	0.1	1.0	3.3	20.8	
	MAXIMUM MONTHLY (IN)	52	31.8	19.5	24.9	4.8	T	0.0	0.0	0.0	0.0	2.4	11.6	17.9	31.8
	YEAR OF OCCURRENCE		1966	1996	1960	1971	1996				1979	1968	1966	1966	JAN 1966
	MAXIMUM IN 24 HOURS (IN)	52	19.0	14.6	13.4	4.8	T	0.0	0.0	0.0	0.0	2.4	6.7	12.7	19.0
	YEAR OF OCCURRENCE		1996	1983	1969	1971	1996				1979	1968	1969	1969	JAN 1996
	MAXIMUM SNOW DEPTH (IN)	48	25	21	14	10	0	0	0	0	0	4	12	25	
	YEAR OF OCCURRENCE		1966	1966	1962	1957						1968	1969	1969	JAN 1966
	NORMAL NO. DAYS WITH:														
SNOWFALL ≥ 1.0	30	1.7	1.9	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.*	0.3	0.9	5.6	

PRECIPITATION (inches) 1998 LYNCHBURG, VA (LYH)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	2.30	2.56	4.32	2.21	2.37	3.27	4.06	3.03	2.29	0.87	1.24	5.37	33.89
1970	1.16	2.39	2.36	2.82	2.12	0.74	4.72	3.62	0.78	5.25	4.01	2.90	32.87
1971	1.73	4.45	2.64	2.29	9.07	2.85	4.48	3.02	1.85	7.40	3.11	1.38	44.27
1972	3.25	5.70	1.76	2.81	8.04	8.58	8.45	1.21	3.10	6.71	5.78	4.32	59.71
1973	3.05	2.94	6.44	4.57	3.81	4.17	6.64	4.44	2.53	3.95	1.04	7.15	50.73
1974	3.94	2.05	2.96	3.11	4.86	2.93	2.84	6.00	5.55	0.38	1.74	3.68	40.04
1975	3.82	2.66	9.24	2.31	6.54	4.78	4.42	4.68	7.42	2.43	2.96	4.34	55.60
1976	2.70	1.98	4.07	0.28	5.32	7.34	1.29	1.07	5.06	11.40	1.38	2.83	44.72
1977	1.76	0.61	2.71	4.84	1.50	3.39	1.15	5.73	2.25	5.77	5.70	3.29	38.70
1978	7.97	0.54	3.84	5.33	6.69	3.36	4.83	3.89	0.02	0.84	3.22	4.06	44.59
1979	6.65	4.99	3.78	3.26	3.10	5.28	4.50	3.42	9.22	3.77	3.18	1.13	52.28
1980	4.63	1.07	5.03	3.99	3.03	0.65	3.61	1.34	1.79	2.35	2.85	0.56	30.90
1981	0.49	3.81	1.81	2.44	1.66	5.24	5.02	4.21	3.61	2.80	0.93	3.90	35.92
1982	3.59	4.41	2.41	3.28	3.67	6.45	5.07	2.60	2.25	2.75	2.85	2.26	41.59
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
POR= 127 YRS	3.34	3.02	3.64	3.13	3.56	3.79	4.06	3.91	3.26	3.08	2.71	3.11	40.61

WBAN : 13733

AVERAGE TEMPERATURE (°F) 1998 LYNCHBURG, VA (LYH)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	32.2	36.4	40.7	57.1	65.4	72.3	76.2	72.8	65.9	56.0	44.4	34.0	54.5
1970	29.4	36.3	41.1	56.0	65.9	73.0	75.6	73.6	73.1	60.0	47.2	39.3	55.9
1971	33.5	38.7	43.1	54.8	62.1	73.4	74.6	72.6	70.0	62.6	44.9	47.3	56.5
1972	39.1	36.3	46.4	56.2	63.1	67.7	75.2	74.1	69.4	54.8	45.1	43.1	55.9
1973	36.0	36.0	50.7	54.0	60.9	73.4	74.7	75.4	70.8	59.4	49.8	37.3	56.5
1974	44.2	38.6	48.9	56.9	63.8	68.0	74.4	74.3	65.7	55.1	47.2	39.0	56.3
1975	38.7	39.7	42.3	52.9	66.9	71.4	73.9	76.5	66.2	59.2	50.5	37.3	56.3
1976	32.7	45.8	50.5	57.6	61.8	70.4	74.1	73.2	66.4	53.2	40.8	34.3	55.1
1977	23.0	36.8	51.5	58.8	67.1	70.1	78.4	76.0	70.0	54.6	49.6	36.2	56.0
1978	29.2	30.1	44.1	57.2	63.6	72.4	74.5	77.3	71.0	55.6	50.1	39.7	55.4
1979	31.9	27.9	49.3	56.3	63.9	69.2	74.3	75.0	67.9	55.2	50.1	40.7	55.1
1980	36.0	33.7	43.8	56.9	65.8	69.4	77.8	78.6	72.6	55.2	45.2	38.7	56.1
1981	31.3	40.8	43.3	59.4	62.5	75.7	76.4	73.3	66.3	53.8	47.0	34.0	55.3
1982	27.8	38.6	45.5	53.8	67.5	70.8	75.7	73.5	68.8	59.0	50.0	44.4	56.3
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
POR= 124 YRS	37.0	38.9	46.7	56.2	65.3	73.0	76.8	75.2	69.0	58.0	47.5	39.1	56.9

HEATING DEGREE DAYS (base 65°F) 1998 LYNCHBURG, VA (LYH)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1969-70	0	0	58	294	612	954	1095	798	732	278	79	0	4900
1970-71	0	0	21	183	528	789	968	729	673	303	119	3	4316
1971-72	0	0	13	110	613	546	796	826	571	282	73	36	3866
1972-73	2	0	20	310	593	671	893	809	435	339	158	0	4230
1973-74	0	0	9	192	448	851	641	736	495	265	105	16	3758
1974-75	0	0	74	304	537	799	808	701	696	362	45	11	4337
1975-76	0	0	60	185	432	853	994	550	443	273	132	23	3945
1976-77	0	2	34	370	719	947	1294	783	417	217	58	26	4867
1977-78	0	0	12	325	464	887	1103	972	637	237	125	6	4768
1978-79	0	0	25	289	439	777	1018	1033	489	265	83	11	4429
1979-80	0	6	27	320	444	746	892	901	652	255	65	19	4327
1980-81	0	0	28	312	589	807	1039	670	666	197	131	2	4441
1981-82	0	0	55	353	535	954	1144	731	597	331	29	1	4730
1982-83	0	1	33	229	446	637	893	758	554	380	127	9	4067
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-	0	0	25	257	538	720							

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COOLING DEGREE DAYS (base 65°F) 1998 LYNCHBURG, VA (LYH)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	0	0	0	9	94	239	355	247	91	18	0	0	1053
1970	0	0	0	17	116	249	338	272	271	37	0	0	1300
1971	0	0	0	3	36	263	304	242	170	44	16	5	1083
1972	0	0	0	25	20	126	324	290	159	2	3	0	949
1973	0	0	3	16	34	260	308	330	188	24	0	0	1163
1974	0	0	3	30	75	113	298	296	103	7	10	0	935
1975	0	0	0	6	108	209	282	365	103	14	4	0	1091
1976	0	0	3	57	37	190	289	259	80	13	0	0	928
1977	0	0	5	38	129	184	424	349	167	9	8	0	1313
1978	0	0	0	9	88	237	305	389	212	5	0	0	1245
1979	0	0	11	12	54	143	298	322	121	21	0	0	982
1980	0	0	0	15	99	159	403	432	262	18	0	0	1388
1981	0	0	0	35	59	331	361	265	101	11	0	0	1163
1982	0	0	0	3	113	183	339	272	153	49	3	4	1119
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

SNOWFALL (inches) 1998 LYNCHBURG, VA (LYH)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1969-70	0.0	0.0	0.0	0.0	T	12.7	5.8	1.6	T	T	0.0	0.0	20.1
1970-71	0.0	0.0	0.0	0.0	1.8	9.3	1.7	2.3	7.8	4.8	0.0	0.0	27.7
1971-72	0.0	0.0	0.0	0.0	5.9	T	T	15.2	T	T	0.0	0.0	21.1
1972-73	0.0	0.0	0.0	0.0	0.5	0.0	2.3	1.7	5.3	0.2	0.0	0.0	10.0
1973-74	0.0	0.0	0.0	0.0	0.0	6.6	0.0	5.9	T	0.0	0.0	0.0	12.5
1974-75	0.0	0.0	0.0	0.0	0.6	0.6	6.5	4.4	3.8	0.0	0.0	0.0	15.9
1975-76	0.0	0.0	0.0	0.0	0.0	0.1	T	1.2	0.6	0.0	0.0	0.0	1.9
1976-77	0.0	0.0	0.0	0.0	T	2.8	10.0	0.3	0.0	0.0	0.0	0.0	13.1
1977-78	0.0	0.0	0.0	0.0	0.7	0.3	10.8	5.9	8.1	0.0	0.0	0.0	25.8
1978-79	0.0	0.0	0.0	0.0	T	T	4.0	19.2	0.0	0.0	0.0	0.0	23.2
1979-80	0.0	0.0	0.0	2.4	0.0	T	14.2	7.5	8.9	0.0	0.0	0.0	33.0
1980-81	0.0	0.0	0.0	0.0	0.0	T	3.8	0.0	3.6	0.0	0.0	0.0	7.4
1981-82	0.0	0.0	0.0	0.0	3.7	5.9	7.6	15.1	0.2	2.5	0.0	0.0	35.0
1982-83	0.0	0.0	0.0	0.0	0.0	6.8	0.5	18.6	T	T	0.0	0.0	25.9
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-													
POR= 51 YRS	0.0	0.0	0.0	0.0	0.7	2.9	5.6	5.3	3.4	0.2	T	0.0	18.1

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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 LYNCHBURG, VIRGINIA (LYH)

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 LOCATION

LYNCHBURG, VIRGINIA

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE										AUCOMPTCHG	* Type M = AMOS T = AUTOB S = ASOS W = AWOS	REMARKS	
						SEA LEVEL	GROUND												
							G	W	E	P	S	T	R	W	8				H
<u>CITY</u>																			
11th and Main Streets	5/24/71	11/19/71	NA	37° 25'	79° 08'	?													
8th and Court Streets	11/20/71	8/31/73	1300 ft. WNW	37° 25'	79° 09'	?													
135 Main Street (later numbered 915).	9/1/73	4/30/88	900 ft. WNW	37° 25'	79° 09'	a624	69	31	31								a - Accuracy doubtful.		
Virginia Building 1001 Main Street	5/1/88	3/31/90	2500 ft. SE	37° 25'	79° 09'	?	73	67	67										
Law Building 807 Main Street	4/1/90	12/22/13	700 ft. NW	37° 25'	79° 09'	614	88	83	83								Wind data doubtful due to high bluffs to south for this and earlier locations.		
Peoples National Bank Building, 801-803 Main St.	12/23/13	7/25/33	30 ft. NW	37° 25'	79° 09'	614	188	148	148		142						Wind probably affected by bluffs to south.		
309 Essex Street	7/26/33	10/31/36	1.3 mi. NW	37° 26'	79° 09'	?		5	5										
Peoples National Bank Building, 801-803 Main St.	11/1/36	7/25/44	1.3 mi. SE	37° 25'	79° 09'	614	184	b 144	b 144		142						b - Relocated 12/22/37 to avoid effects of ventilator and chimneys.		
<u>AIRPORT</u>																			
Preston Glenn Airport 6.5 mi. SSW of P.O.	11/15/36	7/25/44	NA	37° 20'	79° 12'	c947	c15		c10								c - Approximate. CAA observations.		
Preston Glenn Airport	7/26/44	1/25/63	6.7 mi. SSW of City Office	37° 20'	79° 12'	947	50	5	5	Unk	3	d5	3				Weather Bureau Operation. d - Installed 5/1/58.		
Tower Building Municipal Airport	1/26/63	Present	600 ft. W	37° 20'	79° 12'	964 f916 1921	20 g32 h32	5	5	1006	3	5	3	NA e4 h4 j4	NA		e - Commissioned 1425' SSW of thermometer site 6/30/63. f - Effective 6/30/63. g - Raised 6/3/77. h - Relocated 10/22/80. i - Effective 10/22/80. j - Type change 6/19/85.		
																	S ASOS Commissioned 08/01/96		

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