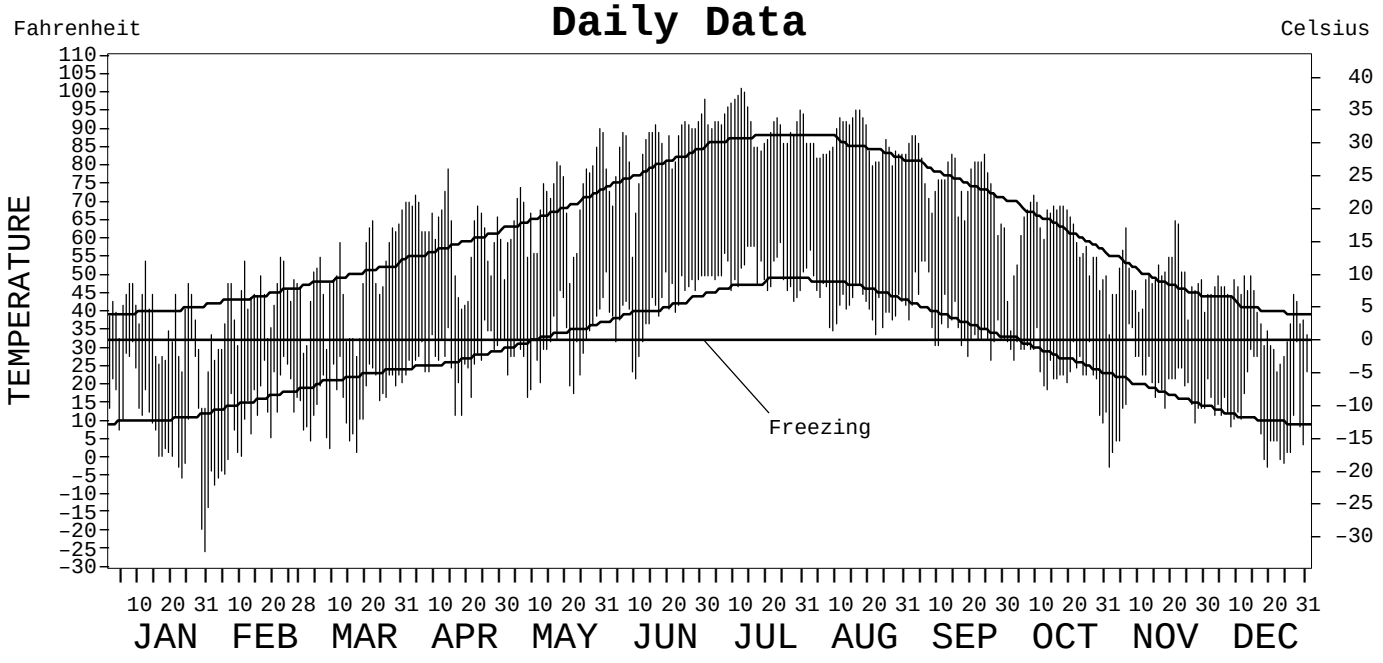
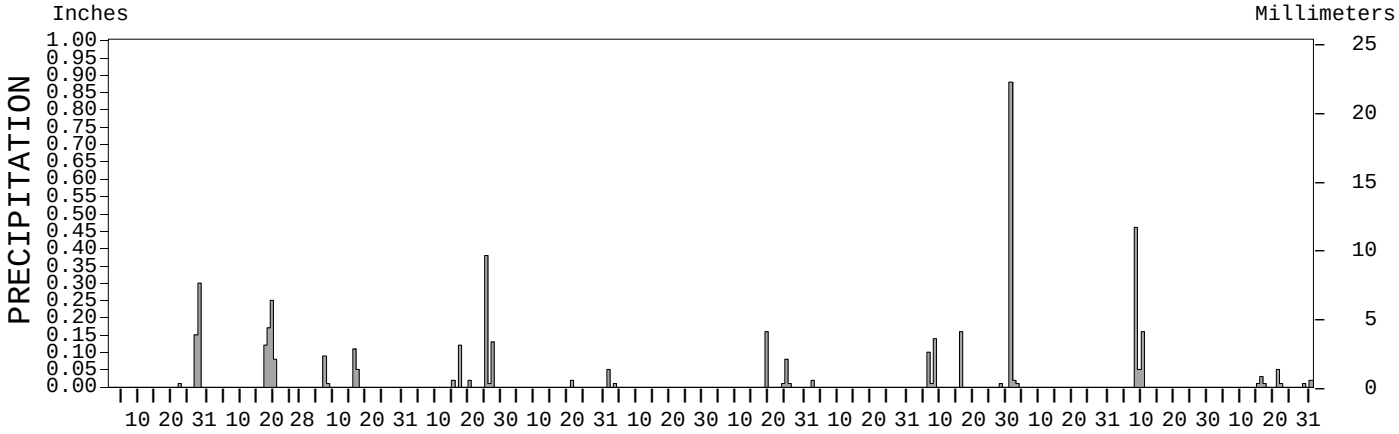
2002 LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

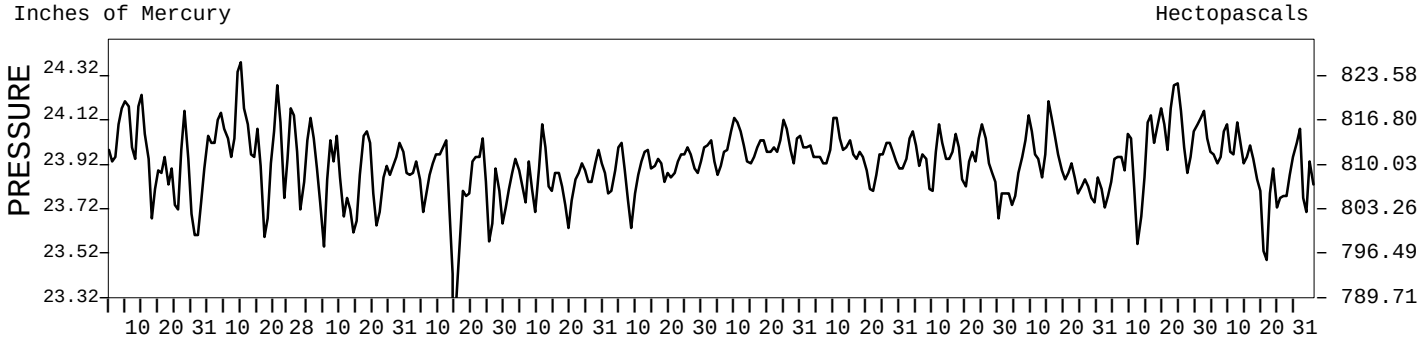
ISSN 0198-3288

ELY,
NEVADA (ELY)

Daily Data







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Thomas R. Karl

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NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE
NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA
DIRECTOR NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2002

ELY, NV (ELY)

LATITUDE: 39° 17′ 42″ N LONGITUDE: 114° 50′ 43″ W ELEVATION (FT): GRND: 6252 BARO: 6255 TIME ZONE: PACIFIC (UTC + 8) WBAN: 23154

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	MEAN DAILY MAXIMUM	36.4	42.6	48.1	61.4	69.4	83.6	91.9	86.4	76.2	59.7	49.3	40.4	62.1
	HIGHEST DAILY MAXIMUM	54	55	68	79	90	94	101	95	88	72	65	50	101
	DATE OF OCCURRENCE	12	22	31	14	30	30	12	17+	03+	09	21	14+	JUL 12
	MEAN DAILY MINIMUM	9.8	11.4	15.9	27.3	31.0	41.1	50.6	42.9	37.5	25.0	18.6	12.4	27.0
	LOWEST DAILY MINIMUM	−25	−7	2	12	17	22	43	34	27	10	−2	−2	−25
	DATE OF OCCURRENCE	30	02	17	18+	08	10	28	22	26	30	01	19	JAN 30
	AVERAGE DRY BULB	23.1	27.0	32.0	44.4	50.2	62.4	71.3	64.7	56.9	42.4	34.0	26.4	44.6
	MEAN WET BULB		22.2	25.8		38.0	44.9	52.3	45.7	43.7		26.7	22.5	
	MEAN DEW POINT		14.3	13.8		18.8	22.2	33.9	22.4	28.3		15.7	15.3	
	NUMBER OF DAYS WITH:													
	MAXIMUM ≥ 90°	0	0	0	0	1	8	21	10	0	0	0	0	40
	MAXIMUM ≤ 32°	11	4	5	0	0	0	0	0	0	0	0	7	27
	MINIMUM ≤ 32°	30	28	31	23	17	5	0	0	6	30	28	31	229
	MINIMUM ≤ 0°	6	6	0	0	0	0	0	0	0	0	1	4	17
H/C	HEATING DEGREE DAYS	1288	1057	1015	611	454	112	0	53	246	693	924	1191	7644
	COOLING DEGREE DAYS	0	0	0	0	3	42	201	50	9	0	0	0	305
RH	MEAN (PERCENT)	67	64	53	47	33	23	28	21	39	52	56	66	46
	HOUR 04 LST	76	77	71	66	54	41	48	37	58	74	73	79	63
	HOUR 10 LST	61	55	35	31	23	18	18	15	32	36	44	62	36
	HOUR 16 LST	52	47	34	29	18	12	17	12	23	29	38	52	30
	HOUR 22 LST	75	73	61	54	33	24	33	22	43	60	64	70	51
S	PERCENT POSSIBLE SUNSHINE													
W/O	NUMBER OF DAYS WITH:													
	HEAVY FOG(VISBY ≤ 1/4 MI)	0	1	3	2	0	0	0	0	0	1	0	0	7
	THUNDERSTORMS	0	0	0	4	0	3	8	1	6	0	1	0	23
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.)	23.91	24.00	23.85		23.84	23.88	23.98	23.94	23.91	23.88	23.99	23.86	
	MEAN SEA-LEVEL PRESS. (IN.)		30.30	30.05		29.86	29.81	29.88	29.88	29.90		30.23	30.12	
WINDS	RESULTANT SPEED (MPH)		2.8	2.8		4.4	3.4	3.8	6.3	4.2	3.1	2.8	6.3	
	RES. DIR. (TENS OF DEGS.)		20	21		21	21	20	20	19	19	19	18	
	MEAN SPEED (MPH)	8.3	8.5	8.8	9.3	10.0	9.9	9.1	10.2	9.7	8.5	8.8	9.9	9.2
	PREVAIL.DIR.(TENS OF DEGS.)	18	18	18	18	18	18	18	18	18	18	18	18	18
	MAXIMUM 2-MINUTE WIND:													
	SPEED (MPH)	32	32	29	46	45	40	38	36	37	25	33	41	46
	DIR. (TENS OF DEGS.)	16	31	32	18	17	22	01	32	25	02	35	14	18
	DATE OF OCCURRENCE	27	23	07+	15	20	08+	24	02	16	31+	25+	28	APR 15
	MAXIMUM 5-SECOND WIND:													
	SPEED (MPH)	38	39	45	56	53	52	49	44	45	37	40	46	56
	DIR. (TENS OF DEGS.)	21	31	19	20	17	24	02	32	25	21	14	14	20
	DATE OF OCCURRENCE	28	23	22	15	20	08	24	02	16	25	08	28+	APR 15
PRECIPITATION	WATER EQUIVALENT:													
	TOTAL (IN.)	0.46	0.62	0.26	0.68	0.02	0.06	0.26	0.02	0.42	0.91	0.67	0.14	4.52
	GREATEST 24-HOUR (IN.)	0.30	0.33	0.13	0.38	0.02	0.05	0.16	0.02	0.16	0.88	0.51	0.06	0.88
	DATE OF OCCURRENCE	28	19-20	16-17	25	21	01	19	02	16	01	08-09	21-22	OCT 01
	NUMBER OF DAYS WITH:													
	PRECIPITATION ≥ 0.01	3	4	4	6	1	2	4	1	5	3	3	7	43
	PRECIPITATION ≥ 0.10	2	3	1	3	0	0	1	0	3	1	2	0	16
	PRECIPITATION ≥ 1.00	0	0	0	0	0	0	0	0	0	0	0	0	0
SNOWFALL	SNOW,ICE PELLETS,HAIL:													
	TOTAL (IN.)	10.1	8.7	4.6	1.4	T	0.0	0.0	0.0	0.0	8.9	1.0	2.1	36.8
	GREATEST 24-HOUR (IN.)	6.5	4.0	2.2	1.0	T	0.0	0.0	0.0	0.0	8.7	1.0	0.6	8.7
	DATE OF OCCURRENCE	28	18	16	17	23+					01	10	16	OCT 01
	MAXIMUM SNOW DEPTH (IN.)	7	7	3	1	0	0	0	0	0	9	1	1	9
	DATE OF OCCURRENCE	31+	20+	17	18						02	11	25+	OCT 02
	NUMBER OF DAYS WITH:													
	SNOWFALL ≥ 1.0	2	3	3	1	0	0	0	0	0	1	1	0	11

NORMALS, MEANS, AND EXTREMES

ELY, NV (ELY)

LATITUDE: 39° 17′ 42″ N LONGITUDE: 114° 50′ 43″ W ELEVATION (FT): GRND: 6252 BARO: 6255 TIME ZONE: PACIFIC (UTC + 8) WBAN: 23154

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	40.0	44.0	49.9	57.9	67.3	79.2	87.3	85.1	75.8	63.0	48.8	41.0	61.6
	MEAN DAILY MAXIMUM	53	39.4	43.1	48.8	57.3	67.2	78.2	87.0	85.0	76.0	63.7	49.1	40.9	61.3
	HIGHEST DAILY MAXIMUM	64	68	67	73	82	90	99	101	97	93	84	75	67	101
	YEAR OF OCCURRENCE		1951	1986	1966	1992	2002	1954	2002	1981	1990	1967	1975	1958	JUL 2002
	MEAN OF EXTREME MAXS.	55	55.4	57.6	64.0	73.3	81.9	89.1	94.5	92.7	87.4	77.5	66.4	56.3	74.7
	NORMAL DAILY MINIMUM	30	10.4	15.6	21.9	26.4	33.4	40.6	47.4	46.4	37.5	27.8	18.2	10.6	28.0
	MEAN DAILY MINIMUM	53	10.2	15.1	20.6	26.2	33.6	38.7	47.8	46.5	37.6	27.5	18.5	11.1	27.8
	LOWEST DAILY MINIMUM	64	-27	-30	-13	-5	7	0	28	24	15	-3	-15	-29	-30
	YEAR OF OCCURRENCE		1949	1989	1952	1982	1950	2000	1997	1960	1968	1991	1985	1990	FEB 1989
	MEAN OF EXTREME MINS.	55	-12.6	-6.7	2.8	11.5	20.1	27.2	36.6	35.0	23.7	13.3	0.0	-9.1	11.8
	NORMAL DRY BULB	30	24.6	29.5	34.6	41.5	50.5	59.6	67.5	65.5	56.3	45.8	34.2	25.6	44.6
	MEAN DRY BULB	55	24.5	28.9	34.6	41.9	50.3	59.3	67.5	65.8	56.8	45.9	33.8	25.8	44.6
	MEAN WET BULB	45	20.9	24.6	28.6	33.4	40.0	45.6	50.8	49.8	43.6	35.8	27.9	21.3	35.2
	MEAN DEW POINT	45	13.6	17.1	19.4	22.1	27.4	30.8	35.2	35.3	30.0	23.9	18.8	13.4	23.9
	NORMAL NO. DAYS WITH:														
	MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.0	0.0	3.3	11.2	6.0	0.4	0.0	0.0	0.0	20.9
	MAXIMUM ≤ 32°	30	6.6	3.2	1.5	0.3	0.0	0.0	0.0	0.0	0.0	0.1	2.0	6.7	20.4
	MINIMUM ≤ 32°	30	30.6	27.1	29.0	24.7	13.7	3.0	0.1	0.4	8.1	23.0	27.9	30.7	218.3
	MINIMUM ≤ 0°	30	7.5	2.8	1.0	0.1	0.0	0.0	0.0	0.0	0.0	*	1.3	5.6	18.3
H/C	NORMAL HEATING DEG. DAYS	30	1240	996	903	690	459	178	26	48	258	605	938	1220	7561
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	0	22	98	69	7	0	0	0	196
RH	NORMAL (PERCENT)	30	65	64	60	52	47	40	35	39	42	50	60	64	52
	HOUR 04 LST	30	71	74	72	69	67	60	53	58	60	66	70	71	66
	HOUR 10 LST	30	60	58	51	41	35	29	25	29	32	40	52	59	43
	HOUR 16 LST	30	55	50	44	35	31	24	22	24	25	32	47	56	37
	HOUR 22 LST	30	70	71	66	58	54	44	39	44	47	57	66	70	57
S	PERCENT POSSIBLE SUNSHINE	56	68	69	71	71	73	80	81	81	82	75	67	67	74
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY≤1/4 MI)	64	0.3	0.3	0.6	0.5	0.1	0.0	0.0	0.0	0.0	0.2	0.3	0.5	2.8
	THUNDERSTORMS	64	0.2	0.4	0.6	1.6	4.0	4.6	8.0	8.4	3.7	1.5	0.3	0.2	33.5
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	1		4.0	7.2	6.4	5.6	0.8	1.6	2.4	2.4			4.0	
	MIDNIGHT-MIDNIGHT (OKTAS)	1		4.0	6.4		5.6	0.8	1.6	2.4		0.8	3.2		
	MEAN NO. DAYS WITH:														
	CLEAR	1	2.0	12.0	8.0	4.0	9.0	18.0	1.0	10.0	12.0	13.0		6.0	
	PARTLY CLOUDY	1	2.0	5.0	3.0	5.0	6.0	2.0		2.0	3.0	3.0		3.0	
	CLOUDY	1	4.0	9.0	17.5	6.0	12.0	1.0		1.0	2.0	2.0	1.0	7.0	
PR	MEAN STATION PRESSURE(IN)	29	23.90	23.87	23.80	23.82	23.83	23.89	23.95	23.96	23.94	23.95	23.91	23.91	23.89
	MEAN SEA-LEVEL PRES. (IN)	44	30.16	30.11	29.98	29.92	29.87	29.85	29.89	29.90	29.95	30.06	30.12	30.17	30.00
WINDS	MEAN SPEED (MPH)	30	9.5	9.7	10.3	10.5	10.3	10.2	10.2	10.2	9.8	9.4	9.3	9.3	9.9
	PREVAIL.DIR(TENS OF DEGS)	20	18	18	18	18	18	18	18	18	18	18	18	18	18
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	8	37	47	41	46	45	43	40	38	41	43	41	43	47
	DIR. (TENS OF DEGS)		15	19	20	18	17	27	19	21	18	19	16	15	19
	YEAR OF OCCURRENCE		1995	1999	1997	2002	2002	2001	1995	2001	1995	1997	2001	2001	FEB 1999
	MAXIMUM 5-SECOND:														
	SPEED (MPH)	8	47	56	51	56	53	59	61	46	49	54	51	49	61
	DIR. (TENS OF DEGS)		21	18	19	20	17	24	18	30	17	21	21	14	18
	YEAR OF OCCURRENCE		1996	1999	1997	2002	2002	2001	1995	2001	1995	1997	1998	2001	JUL 1995
PRECIPITATION	NORMAL (IN)	30	0.74	0.75	1.05	0.90	1.29	0.66	0.60	0.91	0.94	1.00	0.63	0.50	9.97
	MAXIMUM MONTHLY (IN)	64	2.08	2.19	2.40	3.41	3.26	3.53	2.30	2.51	4.99	3.67	1.82	2.11	4.99
	YEAR OF OCCURRENCE		1993	1969	1952	1978	1977	1963	1987	1983	1982	1981	1960	1966	SEP 1982
	MINIMUM MONTHLY (IN)	64	T	0.01	0.03	T	T	T	T	T	T	0.00	T	T	0.00
	YEAR OF OCCURRENCE		1948	1972	1997	1989	1948	1994	1948	1985	1953	1952	1959	1976	OCT 1952
	MAXIMUM IN 24 HOURS (IN)	64	0.95	1.54	1.05	1.04	1.42	1.50	1.47	1.15	2.87	1.39	1.29	1.12	2.87
	YEAR OF OCCURRENCE		1952	1969	1998	1947	1955	1963	1987	2000	1982	1976	1960	1966	SEP 1982
	NORMAL NO. DAYS WITH:														
	PRECIPITATION ≥ 0.01	30	6.5	6.7	8.9	7.4	7.4	5.1	6.1	6.2	5.0	5.1	5.5	6.5	76.4
	PRECIPITATION ≥ 1.00	30	0.0	*	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.1	*	0.0	0.4
SNOWFALL	NORMAL (IN)	30	9.1	7.1	9.9	5.1	3.0	0.2	0.*	0.*	0.5	2.7	6.0	6.4	50.0
	MAXIMUM MONTHLY (IN)	59	24.8	20.0	24.8	24.5	12.1	5.6	T	T	6.3	12.1	17.3	22.3	24.8
	YEAR OF OCCURRENCE		1967	1976	1958	1963	1975	1939	1992	1993	1982	1981	1985	1968	MAR 1958
	MAXIMUM IN 24 HOURS (IN)	59	13.1	10.4	10.6	10.7	8.0	5.6	T	T	4.7	8.7	12.9	12.7	13.1
	YEAR OF OCCURRENCE		1943	1956	1954	1970	1975	1939	1992	1993	1986	2002	1978	1970	JAN 1943
	MAXIMUM SNOW DEPTH (IN)	46	19	18	19	7	5	1	0	0	T	9	10	13	19
	YEAR OF OCCURRENCE		1952	1949	1952	1970	1975	1990			1986	2002	1978	1970	MAR 1952
	NORMAL NO. DAYS WITH:														
	SNOWFALL ≥ 1.0	30	2.9	2.5	3.3	1.7	1.1	0.1	0.0	0.0	0.2	1.0	1.6	2.3	16.7

PRECIPITATION (inches) 2002 ELY, NV (ELY)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1973	1.34	0.71	2.17	0.20	0.38	1.14	0.43	2.06	0.07	0.88	1.10	0.75	11.23
1974	0.41	0.29	0.67	0.18	0.30	T	0.29	0.02	0.01	1.54	0.23	0.28	4.22
1975	0.74	0.76	1.59	1.20	1.48	0.31	1.04	0.51	0.55	0.91	0.29	0.39	9.77
1976	0.38	1.51	0.77	0.77	0.45	0.34	1.57	0.16	0.66	1.48	0.16	T	8.25
1977	0.39	0.09	0.74	0.17	3.26	0.49	0.49	1.59	0.50	0.33	0.24	0.90	9.19
1978	0.64	1.27	2.00	3.41	0.45	T	0.19	0.23	1.33	0.82	1.42	0.71	12.47
1979	0.89	0.59	1.07	0.22	1.44	0.15	1.27	0.58	0.07	0.76	0.28	0.07	7.39
1980	1.55	1.08	1.57	0.51	2.55	0.72	0.76	0.35	1.65	0.37	0.55	1.12	12.78
1981	0.77	0.16	1.32	1.10	2.02	0.15	0.24	0.07	0.36	3.67	0.17	0.26	10.29
1982	1.06	0.31	2.07	0.72	1.57	0.05	0.58	1.41	4.99	1.28	1.03	0.46	15.53
1983	1.41	1.33	1.18	1.87	0.38	2.28	0.09	2.51	0.88	0.50	0.96	1.45	14.84
1984	0.36	0.39	1.09	0.94	0.35	0.63	2.18	2.01	3.73	1.41	0.99	0.76	14.84
1985	0.49	0.42	1.07	0.17	1.33	0.43	0.58	T	1.82	1.44	1.55	0.59	9.89
1986	0.29	0.75	1.47	1.32	0.51	0.02	0.09	1.24	1.42	1.24	0.18	0.07	8.60
1987	0.76	0.61	0.91	0.33	2.35	0.15	2.30	1.21	0.05	1.43	1.53	0.67	12.30
1988	1.22	0.12	0.29	1.62	0.62	0.62	0.15	1.41	0.15	0.40	1.24	0.82	8.66
1989	0.35	0.50	0.61	T	1.36	1.01	0.59	1.25	0.46	0.30	0.15	0.02	6.60
1990	0.59	1.31	0.79	1.14	1.55	0.82	0.32	0.20	0.64	0.67	0.42	0.31	8.76
1991	0.11	0.17	1.70	0.57	2.81	0.35	0.31	0.91	1.32	0.98	0.48	0.27	9.98
1992	0.52	0.68	1.35	0.14	0.53	0.83	1.37	1.70	0.25	1.26	0.25	0.90	9.78
1993	2.08	1.42	1.15	0.24	0.88	1.17	0.32	0.78	0.15	1.03	0.69	0.15	10.06
1994	0.59	1.09	0.96	1.76	1.03	T	0.05	0.61	0.97	0.44	1.02	0.68	9.20
1995	1.24	0.70	1.75	1.63	2.97	1.51	0.01	1.44	0.15	0.46	0.01	0.45	12.32
1996	0.50	1.03	0.92	0.52	1.49	0.06	0.25	0.13	0.39	0.71	0.98	0.33	7.31
1997	1.16	0.78	0.03	1.04	0.66	1.76	0.43	0.47	1.44	0.39	1.11	0.23	9.50
1998	0.44	1.67	1.22	1.26	0.66	1.95	1.28	0.57	0.98	1.35	0.54	0.31	12.23
1999	0.43	0.38	0.23	0.80	0.58	1.58	0.37	1.46	0.55	T	0.18	0.05	6.61
2000	0.62	1.65	0.62	1.10	1.64	0.29	T	1.71	0.37	1.70	0.32	0.10	10.12
2001	0.14	0.44	0.84	1.20	0.04	T	0.94	0.78	0.43	0.46	0.79	0.64	6.70
2002	0.46	0.62	0.26	0.68	0.02	0.06	0.26	0.02	0.42	0.91	0.67	0.14	4.52
POR= 64 YRS	0.71	0.69	0.92	0.98	1.06	0.78	0.62	0.73	0.80	0.82	0.65	0.60	9.36

WBAN : 23154

AVERAGE TEMPERATURE (˚F) 2002 ELY, NV (ELY)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1973	20.3	26.9	30.3	39.1	52.7	59.6	66.7	66.1	53.9	45.7	32.6	27.0	43.4
1974	23.3	28.2	38.6	39.9	52.7	63.8	67.7	63.9	57.4	44.8	36.4	24.4	45.1
1975	24.1	28.4	31.8	34.1	47.5	57.2	68.0	63.6	57.5	44.8	32.1	28.5	43.1
1976	26.3	30.8	30.7	39.8	53.6	58.1	67.1	60.7	56.8	44.1	36.7	27.3	44.3
1977	22.1	30.5	28.4	45.0	44.9	62.5	67.2	65.8	57.4	47.6	36.4	30.8	44.9
1978	29.3	30.6	40.8	40.9	47.9	59.2	67.0	64.0	53.9	48.9	29.9	20.8	44.4
1979	17.1	26.6	34.7	42.3	51.8	60.0	67.4	63.6	61.1	49.9	31.3	31.4	44.8
1980	28.0	34.9	33.1	44.2	47.3	58.3	68.2	64.9	57.5	45.1	36.1	31.7	45.8
1981	31.5	31.3	35.6	46.5	50.0	63.3	69.4	68.1	59.7	42.9	38.8	33.8	47.6
1982	22.5	30.6	33.6	38.8	49.6	57.2	65.7	67.7	54.7	41.8	33.1	25.0	43.4
1983	28.9	30.2	36.7	37.6	47.7	57.9	65.8	65.5	59.2	48.1	33.2	27.1	44.8
1984	24.8	29.7	35.2	39.3	54.6	57.4	67.5	65.5	58.1	40.2	34.2	22.1	44.1
1985	19.5	24.4	32.5	46.4	52.9	63.4	68.5	65.5	52.0	44.3	27.5	25.0	43.5
1986	34.4	35.4	41.1	42.4	51.1	63.3	65.7	69.0	51.5	43.5	35.8	28.1	46.8
1987	21.5	29.7	35.3	47.0	51.5	61.9	64.1	65.1	57.5	49.2	34.7	24.2	45.1
1988	21.2	31.2	35.9	44.6	49.8	62.7	69.1	64.7	56.1	52.0	32.3	22.1	45.1
1989	17.5	24.2	41.7	48.8	51.0	59.1	70.0	64.5	56.4	45.6	34.9	28.6	45.2
1990	26.7	23.8	38.6	46.6	50.0	61.6	68.9	65.1	60.5	48.0	34.4	17.9	45.2
1991	26.4	35.9	33.0	38.6	46.1	58.7	68.2	66.6	56.3	45.6	34.0	28.4	44.8
1992	24.7	35.0	39.3	48.6	54.6	58.5	65.5	66.2	57.8	48.4	29.8	22.3	45.9
1993	20.1	20.3	35.4	42.2	53.1	54.9	62.1	63.1	55.3	43.9	28.5	24.6	42.0
1994	27.2	23.8	39.5	42.9	51.5	63.6	69.2	68.0	58.0	43.9	26.3	24.7	44.9
1995	25.4	37.8	35.5	40.4	46.0	54.0	65.1	66.9	58.3	45.8	39.7	27.3	45.2
1996	28.7	32.3	37.6	43.1	51.3		69.8	66.8	55.7		35.4	29.9	
1997	26.6	27.5	39.5	39.9	54.0	60.8	65.6	68.9	58.7	45.1	35.2	20.4	45.2
1998	29.2	29.4	33.8	39.5	46.7	55.2	68.8	68.4	57.9	42.3	36.6	25.0	44.4
1999	30.3	30.6	37.4	37.7	48.6	59.2	68.0	64.8	56.7	48.6	39.9	26.7	45.7
2000	30.9	33.0	35.9	46.7	54.2		68.6	67.6	57.7				
2001	25.2	27.4	39.4	41.8	55.4	62.3	67.7	68.7	59.9	49.0	35.1	20.6	46.0
2002	23.1	27.0	32.0	44.4	50.2	62.4	71.3	64.7	56.9	42.4	34.0	26.4	44.6
POR= 64 YRS	24.4	28.7	34.5	41.9	50.4	58.9	67.3	65.8	56.7	45.2	33.9	26.2	44.5

HEATING DEGREE DAYS (base 65˚F) 2002 ELY, NV (ELY)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1973–74	18	42	326	591	965	1170	1285	1021	809	747	373	93	7440
1974–75	12	54	237	622	852	1250	1262	1021	1023	921	533	228	8015
1975–76	19	81	217	617	982	1123	1194	985	1058	749	346	220	7591
1976–77	31	130	245	641	842	1162	1324	959	1126	596	614	91	7761
1977–78	9	43	238	535	850	1056	1101	959	742	716	521	172	6942
1978–79	43	103	336	490	1047	1361	1479	1072	933	675	400	179	8118
1979–80	22	95	124	464	1005	1035	1138	866	983	617	539	208	7096
1980–81	11	76	221	608	859	1026	1033	937	905	546	456	107	6785
1981–82	1	3	159	680	781	960	1311	960	970	778	472	236	7311
1982–83	60	3	311	715	951	1236	1111	967	870	815	533	208	7780
1983–84	45	50	180	518	948	1172	1238	1018	917	764	318	240	7408
1984–85	19	21	209	759	917	1321	1404	1129	1000	548	371	98	7796
1985–86	8	42	386	635	1118	1232	942	821	732	670	421	74	7081
1986–87	25	5	406	662	868	1136	1341	985	914	535	408	105	7390
1987–88	63	37	221	487	902	1258	1353	973	896	603	464	120	7377
1988–89	1	46	269	395	972	1323	1466	1139	718	478	425	189	7421
1989–90	7	59	251	596	898	1124	1180	1150	812	547	459	138	7221
1990–91	3	47	163	521	912	1455	1190	807	987	782	580	197	7644
1991–92	8	18	254	594	924	1126	1242	861	789	485	315	191	6807
1992–93	50	74	210	507	1048	1317	1383	1247	908	677	363	298	8082
1993–94	103	81	287	649	1086	1246	1166	1145	786	656	413	89	7707
1994–95	15	7	212	646	1155	1237	1220	753	910	731	582	328	7796
1995–96	49	9	211	586	753	1159	1118	941	842	647	415		
1996–97	1	20	280		880	1082	1188	1042	785	748	337	138	
1997–98	44	0	190	608	886	1377	1102	988	962	758	561	293	7769
1998–99	5	7	218	696	844	1234	1067	955	847	813	502	189	7377
1999–00	5	36	242	503	744	1182	1051	921	892	545	332		
2000–01	13	24	218	621	1170	1044	1228	1046	787	689	292	115	7247
2001–02	8	6	151	490	889	1370	1288	1057	1015	611	454	112	7451
2002–	0	53	246	693	924	1191							

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COOLING DEGREE DAYS (base 65˚F) 2002 ELY, NV (ELY)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1973	0	0	0	0	0	38	77	85	0	0	0	0	200
1974	0	0	0	0	0	63	102	30	14	0	0	0	209
1975	0	0	0	0	0	2	120	46	0	0	0	0	168
1976	0	0	0	0	0	18	103	2	4	0	0	0	127
1977	0	0	0	0	0	24	86	74	14	0	0	0	198
1978	0	0	0	0	0	7	110	79	9	0	0	0	205
1979	0	0	0	0	0	35	103	56	14	0	0	0	208
1980	0	0	0	0	0	12	116	78	2	0	0	0	208
1981	0	0	0	0	0	64	143	108	9	0	0	0	324
1982	0	0	0	0	0	6	90	93	11	0	0	0	200
1983	0	0	0	0	0	0	78	74	11	0	0	0	163
1984	0	0	0	0	1	18	103	44	11	0	0	0	177
1985	0	0	0	0	0	57	124	65	2	0	0	0	248
1986	0	0	0	0	0	30	55	137	7	0	0	0	229
1987	0	0	0	0	0	17	41	47	1	0	0	0	106
1988	0	0	0	0	0	56	134	45	9	0	0	0	244
1989	0	0	0	0	0	18	168	54	0	0	0	0	240
1990	0	0	0	0	0	45	130	60	35	0	0	0	270
1991	0	0	0	0	0	16	115	76	3	0	0	0	210
1992	0	0	0	0	0	5	69	115	1	0	0	0	190
1993	0	0	0	0	0	2	16	33	1	0	0	0	52
1994	0	0	0	0	0	55	153	108	11	0	0	0	327
1995	0	0	0	0	0	3	62	79	19	0	0	0	163
1996	0	0	0	0	0		156	84	6		0	0	
1997	0	0	0	0	3	18	69	126	7	0	0	0	223
1998	0	0	0	0	0	5	131	119	13	0	0	0	268
1999	0	0	0	0	0	22	108	36	0	0	0	0	166
2000	0	0	0	0	3		134	114	6	0	0	0	
2001	0	0	0	0	1	42	100	130	6	0	0	0	279
2002	0	0	0	0	3	42	201	50	9	0	0	0	305

SNOWFALL (inches) 2002 ELY, NV (ELY)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1973–74	0.0	0.0	0.0	3.2	11.4	7.9	7.2	5.1	8.9	0.7	2.2	0.0	46.6
1974–75	0.0	0.0	0.0	1.6	0.9	4.4	10.0	8.8	16.4	15.6	12.1	T	69.8
1975–76	0.0	0.0	0.0	5.6	4.7	6.2	5.9	20.0	10.4	6.9	0.0	0.0	59.7
1976–77	0.0	0.0	0.0	T	1.4	T	5.9	0.6	11.2	2.6	10.9	0.0	32.6
1977–78	0.0	0.0	0.2	T	2.0	7.9	8.0	9.6	5.9	18.5	4.4	0.0	56.5
1978–79	0.0	0.0	1.3	6.8	17.0	9.1	13.6	7.1	13.7	2.8	2.5	1.5	75.4
1979–80	0.0	0.0	0.0	0.7	2.2	0.8	17.8	6.9	19.0	1.4	8.6	0.2	57.6
1980–81	0.0	0.0	0.0	1.6	4.0	11.5	8.0	2.2	15.6	6.3	0.7	0.0	49.9
1981–82	0.0	0.0	0.0	12.1	1.5	1.9	13.1	1.4	16.2	7.8	3.9	0.1	58.0
1982–83	0.0	0.0	6.3	1.0	9.3	3.6	15.3	10.3	11.1	10.4	3.8	0.0	71.1
1983–84	0.0	0.0	0.0	0.0	9.9	13.1	5.1	5.7	6.5	6.4	0.0	T	46.7
1984–85	0.0	0.0	T	3.8	10.4	11.3	6.3	5.5	15.4	1.0	2.0	0.0	55.7
1985–86	0.0	0.0	T	8.7	17.3	4.5	0.6	4.6	7.5	7.0	5.8	0.0	56.0
1986–87	0.0	0.0	4.7	6.1	0.9	1.2	11.9	6.2	5.9	T	T	0.0	36.9
1987–88	0.0	0.0	0.0	0.0	3.3	8.7	17.3	2.8	1.2	3.5	5.1	0.0	41.9
1988–89	0.0	T	T	0.0	17.1	18.0	7.2	10.9	1.3	T	1.8	0.0	56.3
1989–90	T	0.0	0.0	2.6	1.1	T	6.0	14.2	10.3	1.0	0.7	1.0	36.9
1990–91	0.0	0.0	0.0	1.8	4.8	4.1	1.0	0.5	21.4	3.3	4.7	0.0	41.6
1991–92	0.0	0.0	0.0	9.7	3.2	4.2	6.0	3.8	2.8	0.0	T	0.2	29.9
1992–93	T	T	T	0.2	1.9	11.6	24.3	17.0	2.0	2.2	0.8	T	60.0
1993–94	0.0	T	0.0	T	6.0	1.5	7.0	12.0	0.7	5.7	T	0.0	32.9
1994–95	0.0	0.0	0.0	0.1	11.0	6.9	12.2	6.0	10.6	0.0	0.0	0.5	47.3
1995–96	0.0	0.0	0.0										
1996–97													
1997–98													
1998–99													
1999–00													
2000–01													
2001–02						12.1	10.1	8.7	4.6	1.4	T	0.0	
2002–	0.0	0.0	0.0	8.9	1.0	2.1							
POR= 59 YRS	T	T	0.3	2.4	5.1	7.1	8.8	6.9	9.0	5.7	2.3	0.2	47.8

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REFERENCE NOTES:

PAGE 1:
THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).

PAGE 2 AND 3:
H/C INDICATES HEATING AND COOLING DEGREE DAYS.
RH INDICATES RELATIVE HUMIDITY
W/O INDICATES WEATHER AND OBSTRUCTIONS
S INDICATES SUNSHINE.
PR INDICATES PRESSURE.
CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).

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

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

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

2002
ELY,
NEVADA (ELY)

Ely, Nevada, is located within but near the southern rim of the Great Basin. The neighboring terrain consists of alternate mountain ranges and sagebrush covered valleys. Principal cover on the mountains is juniper, pinion, and, at higher elevations, white fir, and white pine. Valley floors in this region are near 6,000 feet above sea level. This high elevation is conducive to sharp nighttime radiation, which produces pleasant summer nights but also reduces the season that is free from freezing temperatures.

The Ely weather station is near the center of Steptoe Valley, which is 5 miles wide at this point. The mountains of the Egan Range to the west and the Schell Creek Range to the east range up to 4,000 feet above the station elevation and prevent strong surface winds from these directions. A very pronounced drainage wind sweeps down the valley during the morning hours. More precipitation is noted near the mountains than is measured in the center of the valley.

Because of low annual precipitation, farming is limited to areas that can be irrigated from mountain streams or wells. The livestock industry is predominant in agriculture. Cultivated crops consist almost entirely of grains and forage.

The mountain ranges provide fairly good summer pastures for cattle and the lowlands provide food for a good portion of the winter in dry or snow–softened desert plants. All stock, however, has to be finished for market in the feed yards. Sheep share the mountain pastures with cattle in the summer, and as winter approaches move out on the wide flat valleys. These browsers eat snow for water and consume a wide variety of desert plants, including the lowly sagebrush. It is not uncommon for bands of sheep to spend an entire winter without supplemental feed.

Based on the 1951–1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is September 6 and the average last occurrence in the spring is June 16.

STATION LOCATION

ELY, NEVADA

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE SEA LEVEL: GROUND TEMPERATURE SITE	ELEVATION ABOVE GROUND: WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUN-SHINE SWITCH	TIPPING BUCKET RAIN GAUGE	WEIGHING RAIN GAGE	8 INCH RAIN GAGE	HYGROTHERMOMETER	AUTOMATIC OBSERVING EQUIPMENT *	REMARKS
AIRPORT																
Yelland Field	10/12/38	9/8/61	NA	30°17′	114°51′	6257	46	6	6	a Unk	3	3	3			a. installed 1940.
FAA-WB Building + Yelland Field	9/8/61	06/01/94	400 ft. NNW	39°17′	114°51′	b6253	20	4	4	29	3	3 c4	3			Wind equipment moved 3000′ N to center of field & other instruments moved 9/10/61.
+ FAA/Wea. Ser. Bldg. (Effective 1971)																b. Established 6/12/64. c. Revised 4/1979.
Yelland Field	06/01/94	Present	NA	39°18′	114°51′	d6252									S	ASOS commissioned 06/01/94. d. Ground elevation.

* TYPE

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