

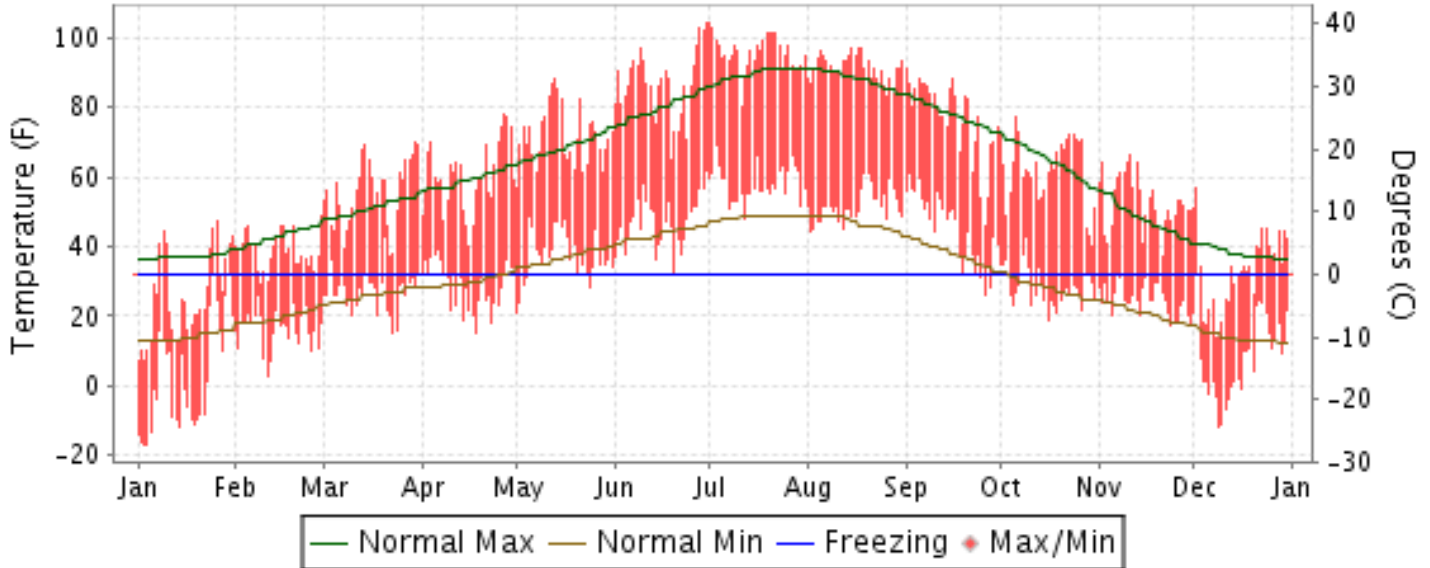


2013 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

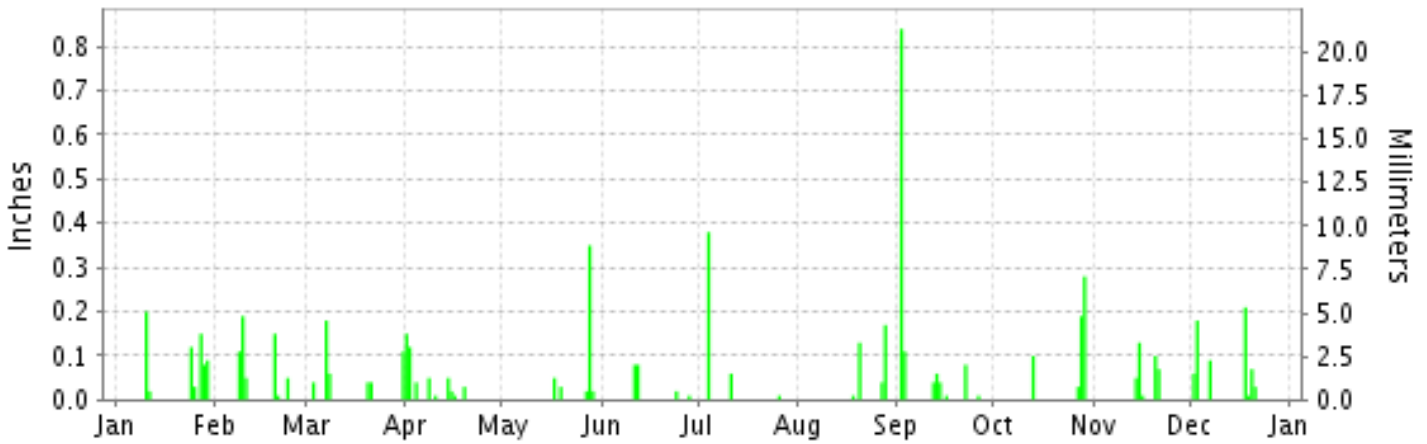
ISSN 0198-3261

ELKO, NEVADA (KEKO)

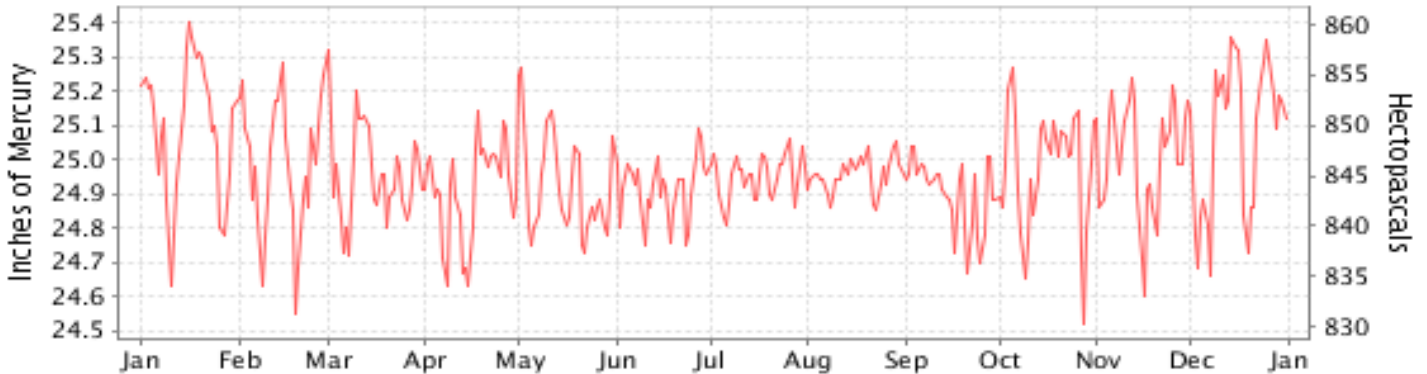
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER.

NATIONAL
OCEANIC AND
ATMOSPHERIC ADMINISTRATION

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 2013

ELKO (KEKO)

LATITUDE: 40° 49'N LONGITUDE: 115° 47'W ELEVATION (FT): GRND: 5030 BARO: 5079 TIME ZONE: PACIFIC (UTC -8) WBAN: 24121

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	25.6	38.7	55.5	60.0	71.5	86.5	95.6	91.3	76.8	61.9	52.7	33.0	62.4	
	HIGHEST DAILY MAXIMUM	47	49	70	78	88	104	104	97	91	77	66	57	104	
	DATE OF OCCURRENCE	26	28	30	27	13	30	01	18+	01	06	11	02	JUL 01	
	MEAN DAILY MINIMUM	2.5	16.3	27.0	28.8	37.5	47.0	58.1	51.8	45.4	28.5	24.7	8.2	31.3	
	LOWEST DAILY MINIMUM	-17	3	15	15	21	32	48	44	26	19	17	-12	-17	
	DATE OF OCCURRENCE	04+	11	23	18	01	20	12	02	26	16	24	09	JAN 04+	
	AVERAGE DRY BULB	14.1	27.5	41.2	44.4	54.5	66.8	76.8	71.5	61.1	45.2	38.7	20.6	46.9	
	MEAN WET BULB	12.3		33.9	36.0	42.5	49.7	56.6	52.3	49.4	34.7	31.1	17.8		
	MEAN DEW POINT	8.7		24.1	22.4	26.2	31.0	39.1	32.2	38.1	20.8	21.4	12.2		
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	0	12	29	23	1	0	0	0	0	65
MAXIMUM <= 32°	22	2	0	0	0	0	0	0	0	0	0	12	12	36	
MINIMUM <= 32°	29	28	28	18	6	1	0	0	4	24	30	31	31	199	
MINIMUM <= 0°	17	0	0	0	0	0	0	0	0	0	0	8	8	25	
H/C	HEATING DEGREE DAYS	1572	1041	728	611	322	63	0	0	173	604	783	1371	7268	
	COOLING DEGREE DAYS	0	0	0	0	4	123	373	210	66	0	0	0	776	
RH	MEAN (PERCENT)	79	73	56	46	37	30	29	28	49	46	57	71	50	
	HOUR 04 LST	83	82	73	68	60	53	49	47	70	64	74	79	67	
	HOUR 10 LST	76	63	41	32	27	18	20	16	34	33	42	61	39	
	HOUR 16 LST	73	61	38	26	22	14	17	16	34	29	45	66	37	
	HOUR 22 LST	83	81	65	55	44	37	33	35	58	54	65	80	58	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	5	4	2	0	0	0	0	0	1	0	1	2	15	
	THUNDERSTORMS	0	0	0	0	1	1	1	3	5	0	0	0	11	
PR	MEAN STATION PRESS. (IN.)	25.10	24.99	24.96	24.91	24.93	24.92	24.95	24.96	24.90	24.97	25.01	25.08	24.97	
	MEAN SEA-LEVEL PRESS. (IN.)	30.43	30.19	30.08	29.99	29.95	29.88	29.88	29.91	29.90	30.07	30.15	30.35	30.07	
WINDS	RESULTANT SPEED (MPH)	0.7		1.4	3.1	2.3	3.0	1.1	1.8	2.3	0.8	1.3	1.5		
	RES. DIR. (TENS OF DEGS.)	18		27	28	28	26	23	21	23	27	03	23		
	MEAN SPEED (MPH)	4.7		5.2	7.0	6.7	6.3	5.6	5.5	6.3	4.3	5.8	4.7		
	PREVAIL.DIR.(TENS OF DEGS.)	08	06	25	25	26	23	21	07	25	07	06	24	08	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	28	37	40	36	35	40	32	33	36	37	30	37	40	
	DIR. (TENS OF DEGS.)	26	34	25	25	31	27	20	22	27	25	05	26	27	
	DATE OF OCCURRENCE	10	23	06	13	14	19	23	07	02	27	23	02	JUN 19	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	38	49	49	47	48	49	45	49	44	49	41	45	49	
DIR. (TENS OF DEGS.)	22	34	26	27	31	28	20	21	26	25	03	24	25		
DATE OF OCCURRENCE	10	23	06	13	14	19	23	07	02	27	23	02	OCT 27		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	0.69	0.56	0.47	0.48	0.47	0.19	0.45	0.35	1.19	0.60	0.36	0.65	6.46	
	GREATEST 24-HOUR (IN.)	0.20	0.25	0.22	0.27	0.37	0.08	0.38	0.17	0.84	0.39	0.18	0.24	0.84	
	DATE OF OCCURRENCE	10	08-09	07-08	01-02	27-28	12+	04	28	02	28-29	14-15	02-03	SEP 02	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	7	6	6	9	5	4	3	4	8	4	5	7	68	
PRECIPITATION 0.10	3	3	2	2	1	0	1	2	2	3	2	2	23		
PRECIPITATION 1.00	0	0	0	0	0	0	0	0	0	0	0	0	0		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	7.0	7.4	2.6	1.3	0.0	0.0	0.0	0.0	T	2.9	2.8	4.4	28.4	
	GREATEST 24-HOUR (IN.)	2.8	3.2	2.2	0.5	0.0	0.0	0.0	0.0	T	2.3	1.9	1.7	3.2	
	DATE OF OCCURRENCE	10	09	07	14					26	29	15	03	FEB 09	
	MAXIMUM SNOW DEPTH (IN.)	9	7	2	T	0	0	0	0	0	1	2	3	9	
	DATE OF OCCURRENCE	11+	10	08	15+						29	15	21	JAN 11+	
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0	3	3	1	0	0	0	0	0	0	1	1	2	11		

NORMALS, MEANS, AND EXTREMES ELKO (KEKO)

LATITUDE:
40° 49'N

LONGITUDE:
115° 47'W

ELEVATION (FT):
GRND: 5030 BARO: 5079

TIME ZONE:
PACIFIC (UTC -8)

WBAN: 24121

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	36.3	41.4	51.6	59.4	69.2	80.0	90.3	88.5	78.5	64.5	48.2	37.2	62.1
	MEAN DAILY MAXIMUM	120	36.7	40.7	51.0	59.1	69.5	78.8	91.1	88.3	77.7	65.6	49.5	38.8	62.2
	HIGHEST DAILY MAXIMUM	83	65	70	78	87	97	104	107	107	99	92	78	65	107
	YEAR OF OCCURRENCE		2003	1986	2004	2012	2003	2013	1981	1978	1950	2010	1980	1995	JUL 1981
	MEAN OF EXTREME MAXS.	121	50.8	56.3	67.1	76.4	85.4	93.8	99.2	97.3	91.5	81.4	66.4	52.7	76.5
	NORMAL DAILY MINIMUM	30	13.9	18.4	26.2	31.0	37.6	44.4	50.1	47.9	39.1	28.7	21.2	14.7	31.1
	MEAN DAILY MINIMUM	120	10.9	16.7	23.6	28.7	35.7	41.8	48.3	45.6	36.2	27.8	20.1	13.0	29.0
	LOWEST DAILY MINIMUM	83	-43	-37	-9	-2	10	23	30	20	9	1	-14	-38	-43
	YEAR OF OCCURRENCE		1937	1933	1952	1936	1965	1976	1995	1992	1934	1996	2010	1932	JAN 1937
	MEAN OF EXTREME MINS.	121	-8.6	-1.2	10.6	17.2	23.2	31.3	38.9	35.7	24.8	14.5	3.9	-5.4	15.4
	NORMAL DRY BULB	30	25.1	29.9	38.9	45.2	53.4	62.2	70.2	68.2	58.8	46.6	34.7	26.0	46.6
	MEAN DRY BULB	120	23.9	28.7	37.3	43.9	52.6	60.3	69.7	67.0	57.0	46.8	34.8	25.9	45.7
	MEAN WET BULB	30	24.2	27.5	32.5	35.9	40.3	44.4	47.8	45.5	41.1	35.9	30.1	25.4	35.9
	MEAN DEW POINT	30	20.7	23.5	28.1	30.8	35.3	38.4	41.2	39.0	34.7	29.5	26.1	21.5	30.7
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	0.3	4.1	17.9	13.9	2.0	0.0	0.0	0.0	38.2
	MAXIMUM <= 32	30	9.5	4.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	8.2	24.8
	MINIMUM <= 32	30	29.6	26.3	24.8	16.5	6.1	1.0	0.0	0.3	5.3	20.7	26.2	28.9	185.7
MINIMUM <= 0	30	4.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.3	8.8	
H/C	NORMAL HEATING DEG. DAYS	30	1237	983	809	594	364	131	19	32	207	571	909	1210	7066
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	4	47	180	131	21	0	0	0	383
RH	NORMAL (PERCENT)	30	74	71	63	53	50	42	34	35	41	51	67	73	55
	HOURLY 04 LST	30	79	79	78	73	72	66	56	55	61	68	77	79	70
	HOURLY 10 LST	30	72	66	55	42	38	31	25	25	32	42	61	70	47
	HOURLY 16 LST	30	59	52	43	33	30	24	19	19	22	29	48	57	36
	HOURLY 22 LST	30	78	76	70	60	56	47	36	37	46	57	72	77	59
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	47	2.1	1.3	0.9	0.7	0.3	0.1	0.0	0.1	0.1	0.4	0.7	2.0	8.7
	THUNDERSTORMS	63	0.1	0.3	0.3	1.0	2.6	3.0	4.0	3.7	1.7	0.5	0.1	0.1	17.4
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)	43	5.4	5.3	5.4	5.3	4.8	3.5	2.7	2.7	2.6	3.4	4.8	5.0	4.2
	MIDNIGHT-MIDNIGHT (OKTAS)	5	4.3	4.3	3.4	3.8	3.3	2.8	2.0	2.6	2.1	2.0	4.2	4.3	3.3
	MEAN NO. DAYS WITH: CLEAR	56	6.7	6.3	6.3	6.3	8.1	12.9	17.0	17.5	18.0	13.9	8.3	7.7	129.0
	PARTLY CLOUDY	56	7.6	7.4	8.1	9.1	10.2	9.6	9.4	8.7	6.6	7.9	6.8	6.8	98.2
	CLOUDY	56	16.7	14.6	16.6	14.6	12.6	7.5	3.9	4.2	4.9	8.7	14.3	16.0	134.6
PR	MEAN STATION PRESSURE(IN)	30	25.02	24.97	24.92	24.90	24.90	24.92	24.96	24.96	24.97	24.98	24.99	24.99	24.96
	MEAN SEA-LEVEL PRES. (IN)	30	30.21	30.11	30.02	29.96	29.92	29.91	29.91	29.92	29.97	30.05	30.12	30.16	30.02
WINDS	MEAN SPEED (MPH)	30	4.8	5.4	6.2	6.7	6.5	6.3	6.0	5.7	5.3	4.9	5.1	5.0	5.7
	PREVAIL.DIR.(TENS OF DEGS)	27	08	07	25	25	24	25	23	25	07	25	25	23	25
	MAXIMUM 2-MINUTE: SPEED (MPH)	12	40	43	47	43	43	54	45	48	49	39	38	45	54
	DIR. (TENS OF DEGS)		17	28	25	23	26	23	23	23	26	23	29	27	23
	YEAR OF OCCURRENCE		2008	2012	2010	2010	2004	2012	2002	2010	2006	2010	2009	2008	JUN 2012
	MAXIMUM 3-SECOND SPEED (MPH)	12	54	56	67	61	59	72	60	70	55	49	51	59	72
	DIR. (TENS OF DEGS)		16	28	25	20	20	23	22	23	27	25	23	27	23
YEAR OF OCCURRENCE		2008	2012	2010	2008	2011	2012	2002	2010	2006	2013	2010	2008	JUN 2012	
PRECIPITATION	NORMAL (IN)	30	1.12	0.84	1.00	0.97	0.96	0.65	0.37	0.37	0.57	0.75	1.11	1.20	9.91
	MAXIMUM MONTHLY (IN)	83	3.35	2.93	2.39	2.17	4.09	2.94	2.35	4.61	3.22	2.76	2.77	4.21	4.61
	YEAR OF OCCURRENCE		1956	1932	1989	1963	1971	2009	1950	1970	1978	1938	1942	1983	AUG 1970
	MINIMUM MONTHLY (IN)	83	0.04	0.06	0.04	0.02	T	T	0.00	T	T	T	T	T	0.00
	YEAR OF OCCURRENCE		1961	1988	1988	1992	1974	1994	1963	2006	1951	1995	1959	2011	JUL 1963
	MAXIMUM IN 24 HOURS (IN)	83	1.27	0.89	1.22	1.10	1.73	1.85	1.28	4.13	2.32	1.64	1.31	1.62	4.13
	YEAR OF OCCURRENCE		1951	1936	2006	1943	1971	1968	2001	1970	1978	2010	1950	1950	AUG 1970
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	9.1	8.3	8.8	8.8	8.1	4.8	3.4	3.4	4.3	5.3	7.7	9.2	81.2
	PRECIPITATION >= 1.00	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SNOWFALL	NORMAL (IN)	30	10.5	6.4	5.1	3.2	0.5	0.0	0.0	0.0	0.1	0.6	5.0	9.9	41.3
	MAXIMUM MONTHLY (IN)	82	45.7	26.1	23.2	16.6	11.3	T	T	0.0	2.0	5.6	16.8	33.2	45.7
	YEAR OF OCCURRENCE		1996	1932	1967	1999	1971	2012	1995	2006	1982	1984	1985	1983	JAN 1996
	MAXIMUM IN 24 HOURS (IN)	65	18.4	9.1	13.8	10.0	8.6	T	T	T	2.0	5.2	9.0	9.3	18.4
	YEAR OF OCCURRENCE		1996	1949	1967	1975	1971	2012	1995	1993	1982	1963	1965	1992	JAN 1996
	MAXIMUM SNOW DEPTH (IN)	59	24	21	12	9	8	0	0	0	0	4	17	12	24
	YEAR OF OCCURRENCE		1948	1949	1967	1975	1975					1984	1963	1968	JAN 1948
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	3.4	2.3	2.1	1.1	0.2	0.0	0.0	0.0	0.0	0.2	2.0	3.4	14.7	

PRECIPITATION (inches) 2013 ELKO (KEKO)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	0.57	0.80	1.25	1.00	0.24	1.29	1.04	0.46	0.11	1.75	1.40	0.45	10.36
1985	0.54	0.15	1.09	0.23	0.60	0.17	0.25	0.02	1.17	0.16	2.14	0.78	7.30
1986	0.18	1.86	0.52	1.17	0.75	0.39	0.12	0.02	0.81	0.04	0.13	0.09	6.08
1987	0.54	0.68	1.13	0.26	1.80	0.69	0.14	0.01	0.09	0.55	1.97	0.76	8.62
1988	1.27	0.06	0.04	0.46	0.91	0.58	0.08	0.26	0.11	T	1.94	1.01	6.72
1989	0.46	0.93	2.39	0.28	0.36	0.50	0.18	0.52	0.69	0.27	0.79	0.51	7.88
1990	0.97	0.78	1.07	1.51	0.96	0.97	0.19	0.56	0.15	0.07	0.98	1.22	9.43
1991	0.49	0.46	0.62	0.86	1.71	0.06	0.20	0.25	0.58	1.29	1.29	0.04	7.85
1992	0.17	0.75	1.64	0.02	0.40	0.67	0.27	0.17	0.01	0.54	1.03	1.89	7.56
1993	1.98	0.93	0.68	0.24	0.44	1.43	0.36	0.09	0.41	0.76	0.07	0.22	7.61
1994	0.32	1.11	0.15	1.11	1.68	T	0.22	0.11	0.79	0.52	1.61	0.70	8.32
1995	1.56	0.33	2.04	1.15	2.35	1.66	0.24	0.02	0.31	T	0.39	1.41	11.46
1996	3.28	1.45	0.88	0.78	2.23	0.13	.73	T	.20	1.10	1.36	3.10	15.24
1997	2.44	0.21	0.21	0.93	0.22	1.69	1.08	1.37	0.63	0.77	1.23	0.21	10.99
1998	2.34	1.41	1.22	0.29	1.91	0.89	0.24	T	1.92	0.98	0.77	0.46	12.43
1999	1.56	0.74	0.28	1.75	0.83	1.18	T	0.19	0.02	0.52	0.41	0.07	7.55
2000	1.48	2.32	0.77	0.69	0.73	0.08	0.04	0.25	0.03	1.73	0.50	0.33	8.95
2001	0.53	0.80	1.00	1.10	0.03	0.03	1.46	0.02	0.26	0.03	1.62	1.61	8.49
2002	0.54	0.47	0.62	1.60	0.87	0.43	0.03	0.01	1.07	0.08	1.21	0.55	7.48
2003	0.95	0.55	0.48	1.66	1.68	0.01	0.92	1.69	0.20	0.05	0.71	1.96	10.86
2004	0.69	0.91	0.30	1.39	0.96	0.28	0.16	1.17	1.30	1.95	0.87	1.19	11.17
2005	2.12	0.84	1.37	1.56	1.87	0.74	0.66	0.07	0.46	1.61	1.27	2.81	15.38
2006	1.53	1.21	2.31	2.08	0.19	0.40	1.11	T	0.09	0.75	1.05	0.68	11.40
2007	0.27	1.05	0.48	0.61	0.17	0.37	0.08	0.14	0.17	1.05	0.32	1.02	5.73
2008	1.75	0.79	0.39	0.15	1.13	0.57	0.13	0.25	0.01	0.43	1.54	0.91	8.05
2009	1.28	0.59	0.78	1.83	0.47	2.94	0.20	0.68	0.27	0.49	0.01	1.68	11.22
2010	0.63	0.58	1.04	1.89	0.73	0.10	0.23	0.01	0.99	1.87	1.55	2.08	11.70
2011	0.19	0.37	1.25	1.55	1.79	0.65	0.10	0.11	0.38	0.59	0.39	T	7.37
2012	0.96	0.49	1.36	0.62	0.55	0.05	0.55	0.32	0.09	0.25	0.40	2.18	7.82
2013	0.69	0.56	0.47	0.48	0.47	0.19	0.45	0.35	1.19	0.60	0.36	0.65	6.46
POR= 119 YRS	1.20	0.92	0.92	0.85	1.08	0.75	0.40	0.40	0.46	0.74	1.00	1.11	9.83

WBAN : 24121

AVERAGE TEMPERATURE (°F) 2013 ELKO (KEKO)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	17.1	23.8	36.0	41.9	54.7	59.7	71.9	70.7	60.7	43.3	37.7	20.9	44.9
1985	21.8	26.8	35.1	48.0	54.0	64.7	75.9	65.9	53.7	46.2	30.1	23.1	45.4
1986	32.3	37.6	43.8	45.0	52.3	65.7	67.0	70.5	53.0	46.0	34.0	24.9	47.7
1987	21.5	31.1	37.5	49.5	55.6	63.9	66.8	66.6	59.6	50.2	35.7	25.7	47.0
1988	20.3	29.3	37.2	46.5	51.5	65.2	72.0	67.7	56.8	53.0	33.5	21.7	46.2
1989	11.6	22.3	41.5	49.0	52.3	61.5	70.8	65.5	57.8	46.1	33.4	27.8	45.0
1990	27.8	26.7	40.9	50.0	50.1	61.8	70.5	67.0	63.9	45.8	33.6	14.5	46.1
1991	22.5	37.4	36.7	41.2	48.1	59.0	70.4	68.7	59.7	46.5	35.5	27.2	46.1
1992	24.4	35.6	41.1	48.1	56.5	60.7	65.1	66.7	56.9	47.6	28.2	17.2	45.7
1993	15.5	20.5	36.4	42.9	55.7	56.0	59.7	62.0	55.6	45.6	26.4	25.4	41.8
1994	28.5	26.5	40.1	44.7	54.1	60.6	68.5	67.8	57.6	43.2	25.4	28.1	45.4
1995	32.0	37.6	37.5	42.5	49.6	56.3	64.5	65.7	56.8	43.2	38.1	30.2	46.2
1996	28.4	25.2	38.7	45.3	51.9	62.6	69.2	64.3	53.4	43.3	34.8	28.5	45.5
1997	27.7	29.1	40.3	42.1	56.0	60.6	65.0	66.3	59.0	43.5	36.3	23.8	45.8
1998	31.6	31.7	37.6	42.8	49.5	56.7	69.4	67.0	59.6	43.1	36.8	24.3	45.8
1999	29.4	31.9	37.8	40.3	49.7	59.2	66.0	64.9	55.8	45.6	39.4	25.5	45.5
2000	30.0	36.0	37.3	48.4	53.6	61.7	66.1	67.3	55.4	43.7	27.5	26.5	46.1
2001	20.5	27.3	41.1	44.8	58.4	64.3	71.1	72.1	62.4	49.2	36.8	23.7	47.6
2002	23.2	24.3	34.5	46.3	51.9	63.8	73.6	66.1	59.5	43.3	35.7	31.6	46.2
2003	36.3	30.5	39.5	43.2	53.6	64.1	74.3	71.0	59.8	52.1	32.5	30.2	48.9
2004	16.6	24.4	43.5	46.9	53.2	64.0	71.3	67.2	57.3	46.9	34.2	29.3	46.2
2005	20.5	23.7	37.3	44.6	54.1	59.0	73.1	69.1	56.3	47.6	37.3	29.1	46.0
2006	31.5	31.0	34.5	47.3	57.1	66.6	75.4	67.8	58.3	45.7	34.9	25.1	47.9
2007	16.2	33.0	42.8	46.5	56.1	65.1	75.8	70.5	58.8	46.2	35.8	25.5	47.7
2008	17.4	26.2	36.5	40.9	52.8	61.7	71.5	70.3	60.4	47.6	41.6	24.3	45.9
2009	28.1	32.1	37.9	44.2	57.3	61.8	71.6	67.5	63.7	43.6	34.6	16.0	46.5
2010	25.9	32.3	37.3	42.8	46.9	62.6	71.8	67.8	60.5	50.4	32.6	30.3	46.8
2011	28.1	31.4	39.3	41.3	49.1	60.0	71.8	71.3	62.7	48.9	33.7	25.3	46.9
2012	29.1	30.7	40.4	48.8	54.4	64.3	74.2	73.6	63.1	48.9	39.7	28.3	49.6
2013	14.1	27.5	41.2	44.4	54.5	66.8	76.8	71.5	61.1	45.2	38.7	20.6	46.9
POR= 120 YRS	23.9	28.7	37.3	43.9	52.6	60.3	69.7	67.0	57.0	46.8	34.8	25.9	45.7

HEATING DEGREE DAYS (base 65°F) 2013 ELKO (KEKO)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1984-85	0	10	163	664	811	1360	1331	1060	921	505	335	69	7229
1985-86	0	42	338	573	1042	1294	1002	759	650	596	399	49	6744
1986-87	18	5	370	583	924	1235	1341	943	844	459	286		7128
1987-88	50	32	175	451	872	1211	1381	1028	856	550	420	102	7128
1988-89	0	16	255	365	938	1338	1647	1194	723	475	387	111	7449
1989-90	4	59	214	578	940	1147	1147	1067	742	445	457	135	6935
1990-91	12	50	86	587	933	1559	1310	767	869	710	518	176	7577
1991-92	2	10	178	566	879	1164	1250	845	734	503	256	152	6539
1992-93	51	89	242	534	1100	1477	1528	1239	879	658	283	272	8352
1993-94	168	113	279	591	1153	1222	1125	1075	764	603	329	156	7578
1994-95	19	18	211	670	1180	1137	1017	760	845	668	471	257	7253
1995-96	55	47	257	666	803	1072	1125	1149	808	583	401	93	7059
1996-97	7	71	342	664	900	1125	1149	996	759	682	275	134	7104
1997-98	49	16	195	657	854	1268	1030	925	845	657	476	243	7215
1998-99	6	33	184	673	837	1253	1096	920	834	731	469	184	7220
1999-00	18	58	271	595	765	1217	1075	838	853	490	347	108	6635
2000-01	24	25	285	653	1116	1187	1372	1046	737	601	218	89	7353
2001-02	4	0	110	484	840	1272	1290	1129	936	552	409	108	7134
2002-03	0	43	173	663	874	1028	886	957	785	647	366	76	6498
2003-04	1	0	161	397	969	1074	1494	1171	659	537	362	72	6897
2004-05	0	37	231	553	919	1098	1373	1149	854	606	330	196	7346
2005-06	0	16	263	528	825	1106	1030	945	937	525	262	37	6474
2006-07	0	15	227	591	893	1230	1503	890	682	548	278	74	6931
2007-08	0	0	213	577	868	1218	1468	1115	877	717	380	148	7581
2008-09	0	0	141	534	694	1255	1136	915	831	615	239	130	6490
2009-10	7	47	82	655	905	1513	1205	912	853	657	554	116	7506
2010-11	11	44	142	450	966	1069	1138	932	790	706	487	170	6905
2011-12	0	0	72	502	934	1223	1106	987	756	476	324	103	6483
2012-13	0	0	75	492	751	1130	1572	1041	728	611	322	63	6785
2013-	0	0	173	604	783	1371							

WBAN : 24121

COOLING DEGREE DAYS (base 65°F) 2013 ELKO (KEKO)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1984	0	0	0	0	3	48	223	197	42	0	0	0	513
1985	0	0	0	0	0	66	342	77	7	0	0	0	492
1986	0	0	0	0	12	75	89	186	16	0	0	0	378
1987	0	0	0	0	3		113	89	20	0	0	0	
1988	0	0	0	0	6	113	224	105	19	0	0	0	467
1989	0	0	0	0	0	13	188	78	4	0	0	0	283
1990	0	0	0	0	0	47	193	121	61	0	0	0	422
1991	0	0	0	0	0	2	176	131	26	0	0	0	335
1992	0	0	0	0	0	28	65	152	7	0	0	0	252
1993	0	0	0	0	1	9	10	26	5	0	0	0	51
1994	0	0	0	0	0	28	135	109	0	0	0	0	272
1995	0	0	0	0	0	3	45	77	17	0	0	0	142
1996	0	0	0	0	1	29	143	55	1	0	0	0	229
1997	0	0	0	0	3	7	57	65	22	0	0	0	154
1998	0	0	0	0	0	1	149	102	27	0	0	0	279
1999	0	0	0	0	0	17	57	61	1	0	0	0	136
2000	0	0	0	0	3	18	63	104	3	0	0	0	191
2001	0	0	0	0	21	76	201	227	38	1	0	0	564
2002	0	0	0	0	10	76	274	84	17	0	0	0	461
2003	0	0	0	0	23	54	295	197	13	3	0	0	585
2004	0	0	0	0	0	48	204	111	7	0	0	0	370
2005	0	0	0	0	0	23	259	149	10	0	0	0	441
2006	0	0	0	0	21	92	327	113	34	0	0	0	587
2007	0	0	0	0	5	86	341	178	34	0	0	0	644
2008	0	0	0	0	7	57	207	175	9	0	0	0	455
2009	0	0	0	0	6	39	217	134	51	0	0	0	447
2010	0	0	0	0	0	51	227	136	11	5	0	0	430
2011	0	0	0	0	0	27	220	204	9	8	0	0	468
2012	0	0	0	1	2	91	293	273	22	0	0	0	682
2013	0	0	0	0	4	123	373	210	66	0	0	0	776

SNOWFALL (inches) 2013 ELKO (KEKO)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1984-85	0.0	0.0	0.0	5.6	5.4	4.9	5.6	2.0	7.7	0.4	0.0	0.0	31.6
1985-86	0.0	0.0	0.0	0.7	16.8	5.1	0.8	2.0	1.9	1.4	0.1	0.0	28.8
1986-87	0.0	0.0	T	0.0	1.1	1.0	6.9	5.7	3.1	T	0.0	0.0	17.8
1987-88	0.0	0.0	0.0	0.0	0.3	6.1	14.5	0.2	1.0	T	3.7	0.0	25.8
1988-89	0.0	0.0	0.0	0.0	11.3	16.1	11.0	9.6	4.6	T	0.0	0.0	52.6
1989-90	0.0	0.0	0.0	0.1	4.3	0.0	6.9	9.4	3.5	T	2.1	0.0	26.3
1990-91	T	T	0.0	0.0	3.2	12.7	2.1	0.7	5.0	1.5	2.0	0.0	27.2
1991-92	0.0	0.0	0.0	2.9	5.9	0.7	2.4	3.2	1.8	T	0.0	0.0	16.9
1992-93	0.0	0.0	0.0	0.0	4.5	19.9	23.5	15.9	1.2	0.6	T	0.0	65.6
1993-94	0.0	T	0.0	0.0	1.4	0.9	5.0	13.2	0.1	1.4	T	0.0	22.0
1994-95	0.0	0.0	0.0	T	15.4	4.2	9.9	3.3	7.5	5.7	0.2	T	46.2
1995-96	T	0.0	0.0	0.0	0.8	2.9	45.7	11.6	6.5	0.9	0.3	0.0	68.7
1996-97	0.0	0.0	0.0	2.1	6.0	27.7	15.6	2.3	3.3	2.1	0.3	0.0	59.4
1997-98	0.0	0.0	0.0	T	1.1	3.2	5.5	11.0	10.5	0.6	0.2	0.0	32.1
1998-99	0.0	0.0	0.0	0.0	2.3	6.9	8.8	4.2	5.4	16.6	1.1	0.0	45.3
1999-00	0.0	T	0.0	0.0	0.7	1.2	5.1	12.3	8.2	T	T	0.0	27.5
2000-01	0.0	0.0	0.0	0.9	5.0	4.8	8.2	9.0	0.9	4.6	0.0	T	33.4
2001-02	0.0	0.0	0.0	0.0	9.4	20.9	9.1	1.2	2.5	3.8	1.5	0.0	48.4
2002-03	0.0	0.0	0.0	T	0.5	5.3	0.2	2.9	0.2	6.3	0.0	0.0	15.4
2003-04	0.0	0.0	0.0	0.5	2.2	20.8	13.4	11.7	0.5	3.3	T	0.0	52.4
2004-05	0.0	0.0	T	1.1	6.0	15.1	25.6	9.1	3.5	2.5	0.0	0.0	62.9
2005-06	0.0	0.0	0.0	0.0	7.8	5.8	5.6	3.5	20.0	4.7	0.0	T	47.4
2006-07	0.0	0.0	0.0	T	2.8	7.3	4.5	7.5	3.4	0.1	T	0.0	25.6
2007-08	0.0	0.0	T	1.1	0.1	8.2	28.0	11.0	2.8	1.2	0.0	0.0	52.4
2008-09	0.0	0.0	0.0	T	0.1	12.3	5.0	7.8	6.5	8.5	0.0	T	40.2
2009-10	0.0	0.0	0.0	1.7	0.1	20.4	6.5	5.4	9.3	14.6	0.7	0.0	58.7
2010-11	0.0	0.0	0.0	0.1	13.3	12.7	0.3	4.1	5.9	9.4	0.3	T	46.1
2011-12	0.0	0.0	0.0	0.3	2.7	T	5.9	6.5	13.4	0.2	0.0	T	29.0
2012-13	0.0	0.0	0.0	0.3	1.5	22.1	7.0	7.4	2.6	1.3	0.0	0.0	42.2
2013-	0.0	0.0	T	2.9	2.8	4.4							
POR= 98 YRS	T	T	T	0.8	3.9	8.4	9.9	6.6	5.7	2.7	0.6	T	38.6

WBAN : 24121

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>
---	---

2013 ELKO NEVADA (KEKO)

Elko is located along the main east-west transportation corridor through the Great Basin, a massive area which includes most of Nevada and parts of California, Oregon, Idaho and Utah. All streams and rivers in this region flow into salt lakes or dry lake beds, from which no water leaves except through seepage and evaporation. On a more local scale, Elko is situated in the valley of the Humboldt River, one of the longest rivers in the Great Basin. The elevation at Elko Regional Airport, which serves as the official weather station in Elko and is located just southwest of downtown, is 5,074 feet.

To the immediate southeast of Elko are the Elko Hills, a range of large hills and small mountains. This range reaches a peak elevation of 7,500 feet atop Elko Mountain, located 7 miles east-northeast of downtown Elko. To the immediate northwest of Elko is the Adobe Range, another range of large hills and small mountains with peaks of similar elevation. Approximately 20 miles southeast of Elko, the much more prominent Ruby Mountains rise high above the surrounding valleys and reach a maximum elevation of 11,437 feet atop Ruby Dome.

The climate of Elko is most simply described as being a high desert type. High temperatures are hot in the summer, with values frequently exceeding 90 degrees; however, they are much colder in the winter with readings often staying below 40 degrees. Lows in the summer are quite cool, with readings commonly in the 40s; in the winter they frequently fall into the single digits. Individual days often have large ranges in temperature, with 30 degree diurnal ranges common in the winter and 40 or more degree ranges common in summer. These large daily ranges are due to the combination Elkos high elevation, location in a sheltered valley, and generally low humidity. It is also one reason why the growing season is usually quite short, with an average length of about 90 days each year. The last freezing temperature in the spring typically occurs in early or mid June, with the first freezing temperature of fall usually happening in early or mid September.

The large Sierra Nevada mountain range located far to the west-southwest greatly diminishes the moisture available for precipitation from Pacific storm systems. Meanwhile, the many mountain ranges located between Elko and the primary source of summertime monsoon moisture, the tropical Pacific and Gulf of Mexico, cause a similar effect. The local mountain ranges can also cause small-scale rainshadows. These factors combine to result in an arid to semi-arid climate, with most precipitation being light and of a showery nature.

A distinct dry season occurs during mid to late summer, with a broad wet season stretching from the winter through the spring. Unusually heavy precipitation events with totals in excess of 1 inch are quite rare and generally happen only once every few years. Thunderstorms are most common during the summer months, and are usually caused by passing cold fronts, monsoon moisture from the Southwest, or a cold upper-level low pressure. While thunderstorms can occasionally produce heavy rain and flooding, they are more likely to produce only a trace to a few hundredths of an inch of rain. These dry thunderstorms are the most common cause of the many lightning-caused wildfires which occur across northeastern Nevada each summer. Snowfall is often light but rather frequent during the winter and snow may persist on the ground for an extended period of time; its presence can also aid in the formation of fog during the winter months. Heavy snowfalls of 6 inches or greater usually happen approximately once a year. Freezing rain and ice pellets are extremely rare, though graupel is somewhat common, especially during the spring.

Winds are typically diurnally influenced, with a southwesterly up-valley wind common during the afternoon and a northeasterly down-valley wind common during the early morning. Strong damaging winds usually occur either ahead of or during the passage of a strong cold front, or during thunderstorms. However, Elkos location at the bottom of a valley tends to prevent the strongest winds from reaching the city most of the time. This ensures that severe winds in excess of 58 mph are a relatively rare event in Elko, with only one or two occurrences in a given year on average. Dust storms can occur when strong winds ahead of a cold front affect a wide area. A strong thunderstorm may also produce a dust storm via strong outflow winds, though these haboobs are quite rare.

Skies are often mostly clear for many days in a row during the summer and autumn, with clouds more likely to dim the sun during the winter and spring. During the spring and summer it is not uncommon for days to start out clear and then become cloudy by days end due to convection.

The economy of Elko is based primarily upon gold mining, though ranching, hay farming, gambling and tourism are also prominent economic forces. The citys location along the historic First Transcontinental Railroad ensured that travel services were also a significant economic engine. Today, Interstate 80 helps maintain the need for said services. Weather rarely affects any of these activities for more than a few days.

Station History

ELKO, NV

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
ELKO MUNICIPAL AP	1930-03-01	1965-01-01	40° 49'	-115° 46'	5074		AIRWAYS, COOP, USHCN
ELKO MUNICIPAL AP	1996-09-16	2001-02-14	40° 50'	-115° 47'	5080		AIRWAYS, COOP, USHCN
ELKO REGIONAL AP	2003-08-12	2006-06-01	40° 49'	-115° 47'	5030	.5 MI SSW	AIRWAYS, ASOS, COOP, USHCN
ELKO MUNICIPAL AP	1965-01-01	1996-09-16	40° 49'	-115° 46'	5050		AIRWAYS, COOP, USHCN
ELKO REGIONAL AP	2001-02-14	2003-08-12	40° 49'	-115° 47'	5050		AIRWAYS, ASOS, COOP, USHCN
ELKO REGIONAL AP	2006-06-01	Present	40° 49'	-115° 47'	5030		AIRWAYS, ASOS, COOP, USHCN

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
PRECIP	1992-04-06	1995-07-01	DAILY				
TEMP	2006-06-01	Present	DAILY	VAR	ATEMP		
TEMP	1930-03-01	1969-11-01	DAILY	2400			
PRECIP	1969-11-01	1992-04-06	HOURLY	2400			
PRECIP	1992-04-06	1995-07-01	HOURLY	2400			
PRECIP	1995-07-01	1996-09-16	HOURLY	2400	F&P	RCRD	
PRECIP	1995-07-01	1996-09-16	DAILY	2400	F&P	RCRD	
PRECIP	2006-06-01	Present	DAILY	VAR	PCPNX		
PRECIP	1930-03-01	1969-11-01	DAILY				
PRECIP	1969-11-01	1992-04-06	DAILY				
PRECIP	2001-02-14	2006-06-01	DAILY	2400	TB	RCRD	
TEMP	2001-02-14	2006-06-01	DAILY	2400	HYGR		
TEMP	1995-07-01	1996-09-16	DAILY	2400	MXMN		
PRECIP	1996-09-16	2001-02-14	DAILY	2400	SRG		
PRECIP	2006-06-01	Present	HOURLY	2400	AWPAG	RCRD;HTD	
TEMP	2006-06-01	Present	DAILY	2400	ATEMP		
TEMP	1969-11-01	1992-04-06	DAILY	2400			
TEMP	1992-04-06	1995-07-01	DAILY	2400	MXMN		
TEMP	1996-09-16	2001-02-14	DAILY	2400	TEMPX		
PRECIP	2001-02-14	2006-06-01	HOURLY	2400	TB	RCRD	
PRECIP	1996-09-16	1999-11-01	HOURLY	2400	F&P	RCRD	
PRECIP	2006-06-01	Present	DAILY	2400	PCPNX		

* For explanation of codes and abbreviations 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

NOAA/National Climatic Data Center

Attn: User Engagement & Services Branch

151 Patton Avenue

Asheville, NC 28801-5001

Visit our Web Site for other weather data: www.ncdc.noaa.gov