

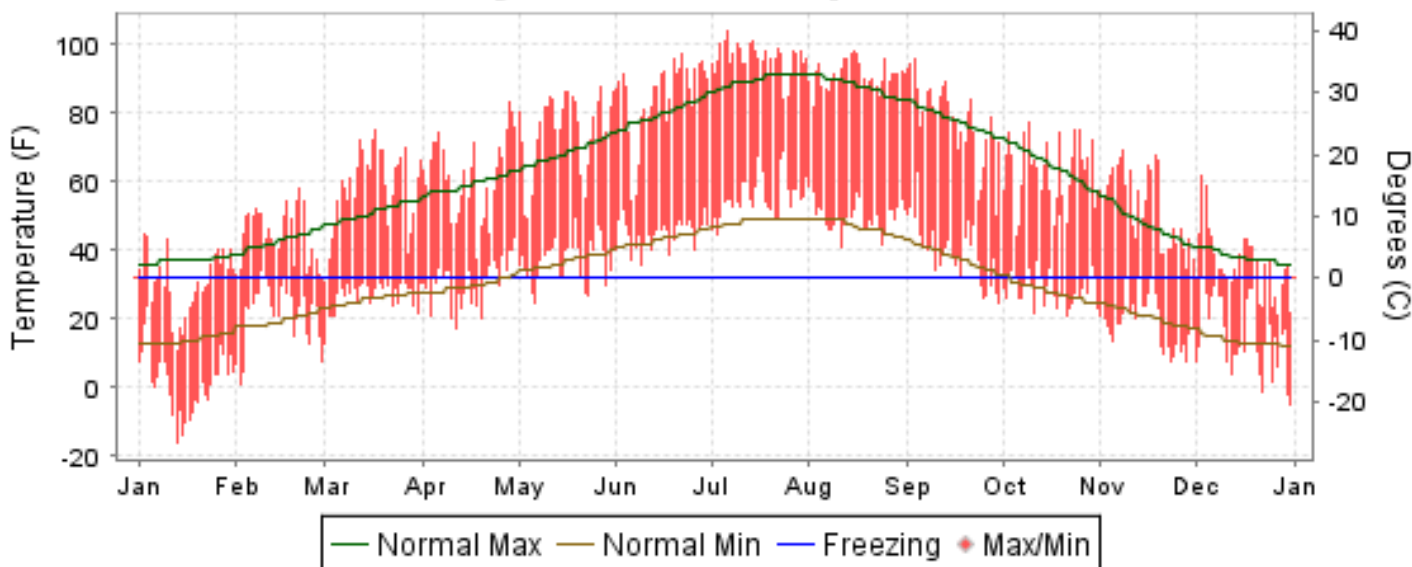


# 2007 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

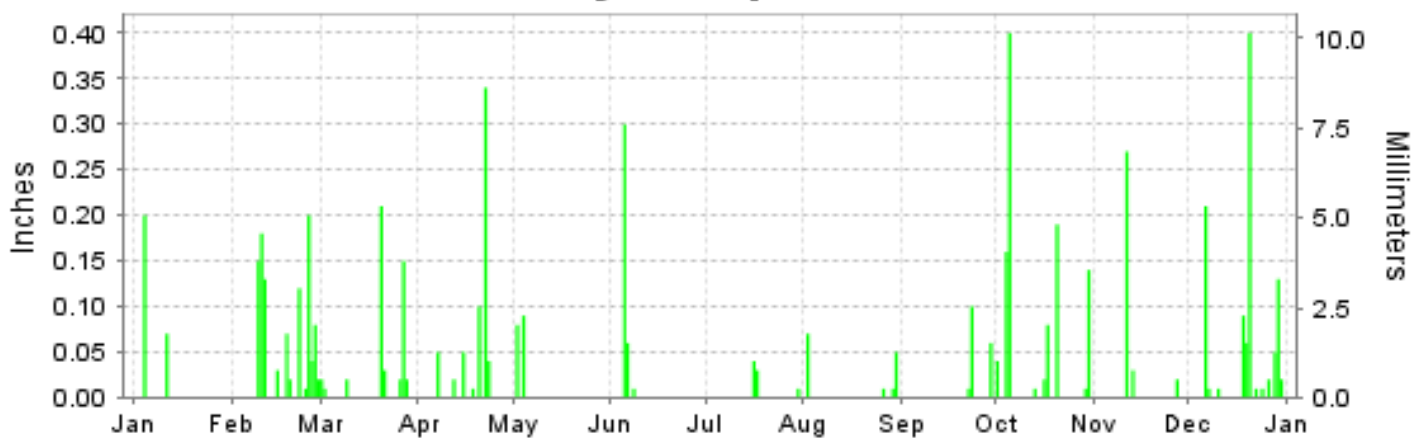
ISSN 0198-3261

## ELKO, NEVADA (KEKO)

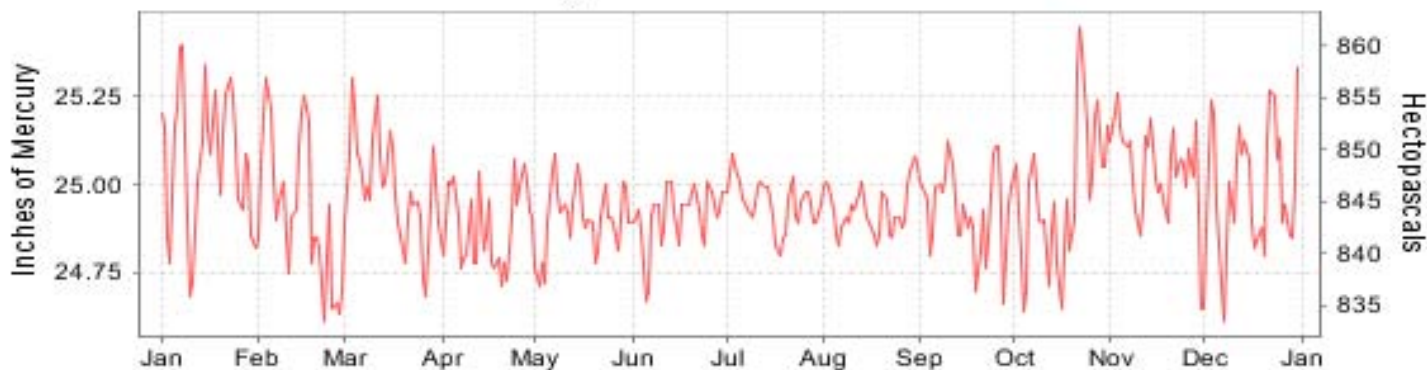
### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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CLIMATIC DATA CENTER  
ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2007

## ELKO (KEKO)

LATITUDE: 40° 49'N      LONGITUDE: -115° 47'W      ELEVATION (FT): GRND: 5050    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	30.6	44.2	58.4	62.0	74.8	84.9	95.9	90.9	77.8	62.8	52.6	35.9	64.2	
	HIGHEST DAILY MAXIMUM	45	58	75	83	88	97	104	98	96	77	69	62	104	
	DATE OF OCCURRENCE	03	21	17	28	27	22	06	15	03	09	08	03	JUL 06	
	MEAN DAILY MINIMUM	1.8	21.8	27.2	31.0	37.3	45.2	55.7	50.0	39.7	29.5	19.0	15.0	31.1	
	LOWEST DAILY MINIMUM	-16	1	13	17	25	36	45	41	25	21	8	-5	-16	
	DATE OF OCCURRENCE	13	02	01	11	06	09	03	11	30	21	28+	31	JAN 13	
	AVERAGE DRY BULB	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	
	MEAN WET BULB	13.3		35.0	38.2	42.7	48.1	55.4	51.8	43.9	38.2	28.7	22.6		
	MEAN DEW POINT	8.6		26.4	27.2	25.2	28.4	36.4	32.5	26.8	28.9	19.4	16.7		
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	0	13	29	19	3	0	0	0	0	64
	MAXIMUM <= 32°	18	1	1	0	0	0	0	0	0	0	0	11	31	
MINIMUM <= 32°	31	25	30	15	7	0	0	0	6	23	29	30	196		
MINIMUM <= 0°	13	0	0	0	0	0	0	0	0	0	0	3	16		
H/C	HEATING DEGREE DAYS	1503	890	682	548	278	74	0	0	213	577	868	1218	6851	
	COOLING DEGREE DAYS	0	0	0	0	5	86	341	178	34	0	0	0	644	
RH	MEAN (PERCENT)	75	75	60	53	35	30	28	29	35	58	59	71	51	
	HOUR 04 LST	83	85	83	77	62	53	47	49	55	77	78	79	69	
	HOUR 10 LST	70	64	43	38	21	18	16	20	25	43	43	65	39	
	HOUR 16 LST	67	66	34	32	19	16	16	15	17	39	45	65	36	
	HOUR 22 LST	82	81	73	61	44	38	33	36	41	69	68	76	59	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	5	5	0	0	0	0	0	0	0	1	0	3	14	
	THUNDERSTORMS	0	0	0	0	0	0	2	2	0	1	0	0	5	
CLOUDNESS	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.)	25.08	24.93	24.99	24.88	24.90	24.91	24.95	24.93	24.93	24.98	25.04	24.99	24.96	
	MEAN SEA-LEVEL PRESS. (IN.)	30.39	30.09	30.11	29.95	29.92	29.88	29.88	29.88	29.94	30.07	30.21	30.20	30.04	
WINDS	RESULTANT SPEED (MPH)	0.9	2.9	2.0	3.5	2.7	3.2	0.9	2.1	1.5	1.3	0.2	1.9	1.8	
	RES. DIR. (TENS OF DEGS.)	14	23	25	26	27	25	19	25	25	25	20	25	25	
	MEAN SPEED (MPH)	4.1	5.8	5.4	6.7	6.6	6.2	5.4	5.5	5.7	5.0	3.3	4.6	5.4	
	PREVAIL.DIR.(TENS OF DEGS.)	11	24	09	24	27	23	23	27	08	08	08	25	11	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	25	32	31	35	37	32	39	45	31	36	33	33	45	
	DIR. (TENS OF DEGS.)	32	20	19	29	26	18	22	24	27	27	25	33	24	
	DATE OF OCCURRENCE	20	22	26	09	16	11	17	30	28	10	19	24	AUG 30	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	30	44	37	41	51	39	51	54	43	45	40	45	54	
DIR. (TENS OF DEGS.)	32	21	19	26	22	28	23	24	18	26	26	33	24		
DATE OF OCCURRENCE	20	22	26	01	18	29	17	30	03	03	19	24	AUG 30		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	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	
	GREATEST 24-HOUR (IN.)	0.20	0.31	0.24	0.34	0.09	0.36	0.04	0.07	0.10	0.40	0.27	0.46	0.46	
	DATE OF OCCURRENCE	04	09-10	20-21	22	04	05-06	16	02	23	05	11	19-20	DEC 19-20	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	2	12	8	7	2	3	3	4	3	9	3	12	68	
PRECIPITATION 0.10	1	5	2	2	0	1	0	0	1	4	1	3	20		
PRECIPITATION 1.00	0	0	0	0	0	0	0	0	0	0	0	0	0		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	4.5	7.5	3.4	0.1	T	0.0	0.0	0.0	T	1.1	0.1	8.2	24.9	
	GREATEST 24-HOUR (IN.)	3.2	3.9	1.7	0.1	T	0.0	0.0	0.0	T	0.9	0.1	2.3	3.9	
	DATE OF OCCURRENCE	04	25	27	18	22+				29	05	27	29	FEB 25	
	MAXIMUM SNOW DEPTH (IN.)	4	3	2	0	0	0	0	0	0	0	0	5	5	
	DATE OF OCCURRENCE	05	27	02+									31+	DEC 31+	
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0	2	2	1	0	0	0	0	0	0	0	0	2	7		

# NORMALS, MEANS, AND EXTREMES ELKO (KEKO)

LATITUDE: 40° 49'N      LONGITUDE: -115° 47'W      ELEVATION (FT): GRND: 5050 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	37.1	42.9	51.2	59.3	68.6	79.9	89.6	88.1	78.2	65.0	48.1	38.2	62.2
	MEAN DAILY MAXIMUM	114	36.8	40.7	51.0	59.2	69.6	78.7	91.0	88.2	77.4	65.7	49.4	38.9	62.2
	HIGHEST DAILY MAXIMUM	77	65	70	78	86	97	104	107	107	99	88	78	65	107
	YEAR OF OCCURRENCE		2003	1986	2004	1992	2003	1981	1981	1978	1950	1980	1980	1995	JUL 1981
	MEAN OF EXTREME MAXS.	115	50.8	56.5	66.8	76.1	85.4	93.5	99.1	97.3	91.5	81.3	66.2	52.5	76.4
	NORMAL DAILY MINIMUM	30	14.1	19.7	25.9	29.9	36.8	43.5	48.6	47.0	38.1	28.3	20.9	13.8	30.6
	MEAN DAILY MINIMUM	114	10.9	16.6	23.5	28.7	35.6	41.6	48.1	45.3	35.9	27.7	20.0	13.0	28.9
	LOWEST DAILY MINIMUM	77	-43	-37	-9	-2	10	23	30	20	9	1	-12	-38	-43
	YEAR OF OCCURRENCE		1937	1933	1952	1936	1965	1976	1995	1992	1934	1996	1931	1932	JAN 1937
	MEAN OF EXTREME MINS.	115	-8.7	-1.8	10.3	17.4	23.3	31.4	38.4	35.2	24.2	14.3	3.5	-5.1	15.2
	NORMAL DRY BULB	30	25.6	31.3	38.6	44.6	52.7	61.7	69.1	67.6	58.2	46.7	34.5	26.0	46.4
	MEAN DRY BULB	114	23.9	28.7	37.3	44.0	52.6	60.2	69.6	66.8	56.7	46.7	34.7	26.0	45.6
	MEAN WET BULB	24	26.3	29.1	34.9	39.0	43.4	47.4	51.1	49.0	44.0	38.6	32.1	27.2	38.5
	MEAN DEW POINT	24	20.7	22.8	27.1	29.6	33.7	35.9	38.1	36.0	31.9	27.5	25.1	21.3	29.1
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	0.3	5.2	17.8	14.3	3.1	0.0	0.0	0.0	40.7
	MAXIMUM <= 32	30	8.8	4.3	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.1	7.5	23.6
MINIMUM <= 32	30	29.3	26.4	25.4	19.5	7.6	1.3	0.1	0.4	7.5	21.7	26.3	29.0	194.5	
MINIMUM <= 0	30	4.8	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.5	11.0	
H/C	NORMAL HEATING DEG. DAYS	30	1222	943	820	612	383	161	53	57	237	569	916	1208	7181
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	2	62	181	135	31	1	0	0	412
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)	41	1.8	1.1	0.7	0.6	0.3	0.1	0.0	0.1	0.1	0.4	0.7	1.5	7.4
	THUNDERSTORMS	57	0.1	0.3	0.3	0.9	2.7	3.2	4.2	3.8	1.8	0.5	0.1	0.1	18.0
CLOUDNESS	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)	24	25.01	24.98	24.92	24.90	24.90	24.93	24.97	24.97	24.97	24.98	24.99	24.99	24.96
	MEAN SEA-LEVEL PRES. (IN)	24	30.19	30.11	30.01	29.96	29.92	29.91	29.92	29.93	29.97	30.04	30.11	30.16	30.02
WINDS	MEAN SPEED (MPH)	24	4.9	5.4	6.1	6.6	6.4	6.3	6.0	5.7	5.4	5.0	5.1	5.0	5.7
	PREVAIL. DIR. (TENS OF DEGS)	21	25	25	25	25	24	24	24	25	07	25	25	25	25
	MAXIMUM 2-MINUTE: SPEED (MPH)	6	39	43	40	41	43	43	45	45	49	36	37	38	49
	DIR. (TENS OF DEGS)		23	28	25	26	26	20	23	24	26	27	27	16	26
	YEAR OF OCCURRENCE		2004	2006	2006	2005	2004	2005	2002	2007	2006	2007	2006	2002	SEP 2006
	MAXIMUM 5-SECOND SPEED (MPH)	6	51	48	49	47	51	55	60	54	55	47	44	48	60
	DIR. (TENS OF DEGS)		23	28	25	21	22	20	22	24	27	27	29	17	22
YEAR OF OCCURRENCE		2004	2006	2006	2003	2007	2005	2002	2007	2006	2004	2006	2002	JUL 2002	
PRECIPITATION	NORMAL (IN)	30	1.14	0.88	0.98	0.81	1.08	0.67	0.30	0.36	0.68	0.71	1.05	0.93	9.59
	MAXIMUM MONTHLY (IN)	77	3.35	2.93	2.39	2.17	4.09	2.61	2.35	4.61	3.22	2.76	2.77	4.21	4.61
	YEAR OF OCCURRENCE		1956	1932	1989	1963	1971	1963	1950	1970	1978	1938	1942	1983	AUG 1970
	MINIMUM MONTHLY (IN)	77	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	1976	JUL 1963
	MAXIMUM IN 24 HOURS (IN)	77	1.27	0.89	1.22	1.10	1.73	1.85	1.28	4.13	2.32	1.31	1.31	1.62	4.13
	YEAR OF OCCURRENCE		1951	1936	2006	1943	1971	1968	2001	1970	1978	1939	1950	1950	AUG 1970
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	9.2	8.3	9.4	7.6	8.5	5.0	3.5	3.6	4.8	4.9	7.6	8.1	80.5
PRECIPITATION >= 1.00	30	*	0.0	0.0	0.0	*	0.0	0.0	*	*	0.0	0.0	0.0	0.0	
SNOWFALL	NORMAL (IN)	30	9.4	6.2	4.4	2.6	1.2	0.*	0.0	0.0	0.1	0.8	5.0	7.4	37.1
	MAXIMUM MONTHLY (IN)	76	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	2006	1995	2006	1982	1984	1985	1983	JAN 1996
	MAXIMUM IN 24 HOURS (IN)	59	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	1995	1995	1993	1982	1963	1965	1992	JAN 1996
	MAXIMUM SNOW DEPTH (IN)	53	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	3.2	2.0	1.8	0.9	0.3	0.0	0.0	0.0	0.0	0.3	2.2	2.7	13.4	

**PRECIPITATION (inches) 2007 ELKO (KEKO)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1978	0.68	0.97	1.88	1.98	0.25	0.18	0.58	0.02	3.22	0.25	0.61	0.52	11.14
1979	1.91	1.20	0.59	0.43	0.42	0.38	0.32	0.36	0.25	0.43	1.10	0.35	7.74
1980	3.11	1.89	0.77	1.22	3.15	0.80	0.33	0.10	0.42	0.19	0.62	0.21	12.81
1981	0.64	0.33	1.20	0.75	0.80	0.24	0.02	0.19	0.13	0.69	0.60	3.19	8.78
1982	0.82	0.65	1.94	0.50	1.04	0.54	0.69	1.24	2.55	1.11	1.78	0.86	13.72
1983	1.73	1.34	1.91	1.28	0.60	0.47	0.01	1.25	1.57	1.21	2.76	4.21	18.34
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
POR= 113 YRS	1.22	0.94	0.93	0.83	1.09	0.75	0.41	0.41	0.46	0.74	1.01	1.10	9.89

WBAN : 24121

**AVERAGE TEMPERATURE (°F) 2007 ELKO (KEKO)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1978	32.2	34.7	44.9	45.3	52.1	60.6	69.8	69.2	56.6	50.6	35.3	23.6	47.9
1979	22.7	33.0	39.8	46.4	56.5	65.8	73.9	71.2	66.1	54.6	33.6	31.5	49.6
1980	32.2	39.0	37.0	47.3	51.5	60.5	71.6	67.2	61.6	49.6	40.0	34.2	49.3
1981	34.6	35.5	40.8	48.2	54.2	67.3	73.9	72.8	61.6	44.8	40.5	34.1	50.7
1982	23.2	29.6	37.8	42.3	52.5	61.6	69.1	70.6	58.6	45.4	34.1	28.0	46.1
1983	30.4	31.8	41.8	42.7	52.6	62.1	68.7	72.1	62.7	50.8	36.5	28.7	48.4
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
POR= 114 YRS	23.9	28.7	37.3	44.0	52.6	60.2	69.6	66.8	56.7	46.7	34.7	26.0	45.6

**HEATING DEGREE DAYS (base 65°F) 2007 ELKO (KEKO)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1978-79	23	47	267	439	888	1277	1306	889	775	553	265	86	6815
1979-80	0	4	32	320	933	1032	1013	747	862	523	410	165	6041
1980-81	0	34	119	467	743	947	933	819	744	497	336	67	5706
1981-82	0	4	131	618	726	952	1289	987	836	676	381	130	6730
1982-83	32	0	225	598	925	1143	1066	924	713	661	390	114	6791
1983-84	29	0	105	434	847	1119	1480	1187	894	686	318	201	7300
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		
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-	0	0	213	577	868	1218							

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**COOLING DEGREE DAYS (base 65°F) 2007 ELKO (KEKO)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1978	0	0	0	0	0	9	179	186	21	0	0	0	395
1979	0	0	0	0	9	120	284	207	70	4	0	0	694
1980	0	0	0	0	0	36	211	109	25	0	0	0	381
1981	0	0	0	2	9	145	282	254	36	0	0	0	728
1982	0	0	0	0	0	36	165	181	39	0	0	0	421
1983	0	0	0	0	11	33	151	228	40	0	0	0	463
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

**SNOWFALL (inches) 2007 ELKO (KEKO)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1978-79	0.0	0.0	T	T	1.0	2.0	8.3	13.0	2.4	2.1	0.6	T	29.4
1979-80	0.0	0.0	0.0	1.5	9.2	2.3	12.5	3.4	3.9	0.5	2.0	0.0	35.3
1980-81	0.0	0.0	0.0	1.2	0.5	0.5	4.4	1.4	2.6	2.9	0.2	T	13.7
1981-82	0.0	0.0	0.0	T	0.3	9.8	11.2	0.3	13.8	3.5	T	T	38.9
1982-83	0.0	0.0	2.0	T	8.1	6.6	16.5	10.6	9.6	1.9	0.2	0.0	55.5
1983-84	0.0	0.0	0.0	0.0	13.4	33.2	6.6	5.8	5.1	5.9	T	0.0	70.0
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-	0.0	0.0	T	1.1	0.1	8.2							
POR= 92 YRS	T	T	T	0.8	3.9	8.2	9.9	6.5	5.6	2.5	0.7	T	38.1

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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 (1971 - 2000). 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. 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.</p> <p><b>NOTE:</b> The "Period of Record:(POR) for all "averages" is based on the "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p>
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# 2007 ELKO NEVADA (KEKO)

Elko is located in the Humbolt River Valley of northeastern Nevada. Weather observations are taken at the Flight Service Station which is located at the Municipal Airport on the west side of town. The elevation at the airport is just above 5,000 feet.

The Ruby mountain range, with many peaks near or exceeding 10,000 feet in height, dominates the landscape from about 40 miles northeast through 40 miles southeast of Elko. The immediate terrain consists of sagebrush-covered valleys and hills. The highest hills are approximately 2,500 feet above the valley floors. A few areas, mostly in the higher mountains, are covered with sparse stands of juniper, aspen, pinion pine, and spruce. The only heavily forested area in northeastern Nevada is in the Jarbidge Wilderness Area north of Elko near the Idaho border.

Because of the high elevation and proximity of the mountains, there is a wide range between the normal high and low temperatures. High radiative cooling at night makes cool nights the rule, even in mid summer.

Normal precipitation is light, especially during the summer months when the precipitation falls mostly as light showers which do not contribute

much toward crop growth. The precipitation that falls between November and June (rain and snow) is critical to agriculture in the area. Not only is the precipitation that falls directly on the fields a benefit to farmers and ranchers, but the runoff from snowfall that accumulates in the mountains is used for irrigation.

The principal crop in northeast Nevada is hay. Cattle ranching is a major industry within the area. The ranges ordinarily furnish excellent summer pasture for cattle. Hay crops are needed for winter feeding.

Mining is another major industry. Many of the mines are located in the mountains at rather high elevations and are affected by daily weather. This is especially true during the winter when snow and rain may cause poor or impassable road conditions, thereby halting mining operations.

Transportation by air, rail, or road is seldom affected by the weather for more than short periods.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is September 8 and the average last occurrence in the spring is June 5.

# Station Location

ELKO

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	Latitude		ELEVATION ABOVE										REMARKS
				NORTH	WEST	SEA LEVEL	GROUND							HYGROTHERMOMETER	AUTOMATIC OBSERVING EQUIPMENT *	
						GROUND TEMPERATURE SITE	WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET RAIN GAUGE	WEIGHING RAIN GAUGE	8 INCH RAIN GAUGE			
*NOTE:																
<u>AIRPORT</u>																
NW Corner, U. A. L. Hangar, Muncipal Airport	11/16/30	02/05/43	1.2 mi. W	40° 50'	115° 47'	5075	36	5	4					3		WBAS-CAA 11/16/30 to 7/1/35; CAA to 11/1/41; WBAS to 2/5/43.
Administration Building Municipal Airport	02/05/43	02/14/01	130 ft. N	40° 50'	115° 47'	5075 f5050 b35 g20	41 a33	5 h5	4 g3 h5			3 c5 g4 h4	3 g4 h4	e4 i4		a. Effective 10/26/49. b. Effective 8/27/54. WB-FAA operation effective 10/15/57. FAA obtains dew points from Dewcel 26' above ground and temperatures from telethermo- meter with sensor 4' above ground. c. Shielded 11/10/63 creating obstruction to 8 inch gauge. d. Effective 9/26/64. FAA operation effective 10/5/64. e. Commissioned 2840' WSW of thermometer site 10/5/64. f. Effective 10/5/64. g. Minor move 5/29/67. h. Minor move 4/4/69. i. Type change 8/1/85.
Elko Regional Airport	02/14/01	Present	N/A	40° 50'	115° 47'	5076								S		ASOS Commissioned 02/14/01 j. Ground elevation.

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\* NOTES: For earlier station history see previous editions.