

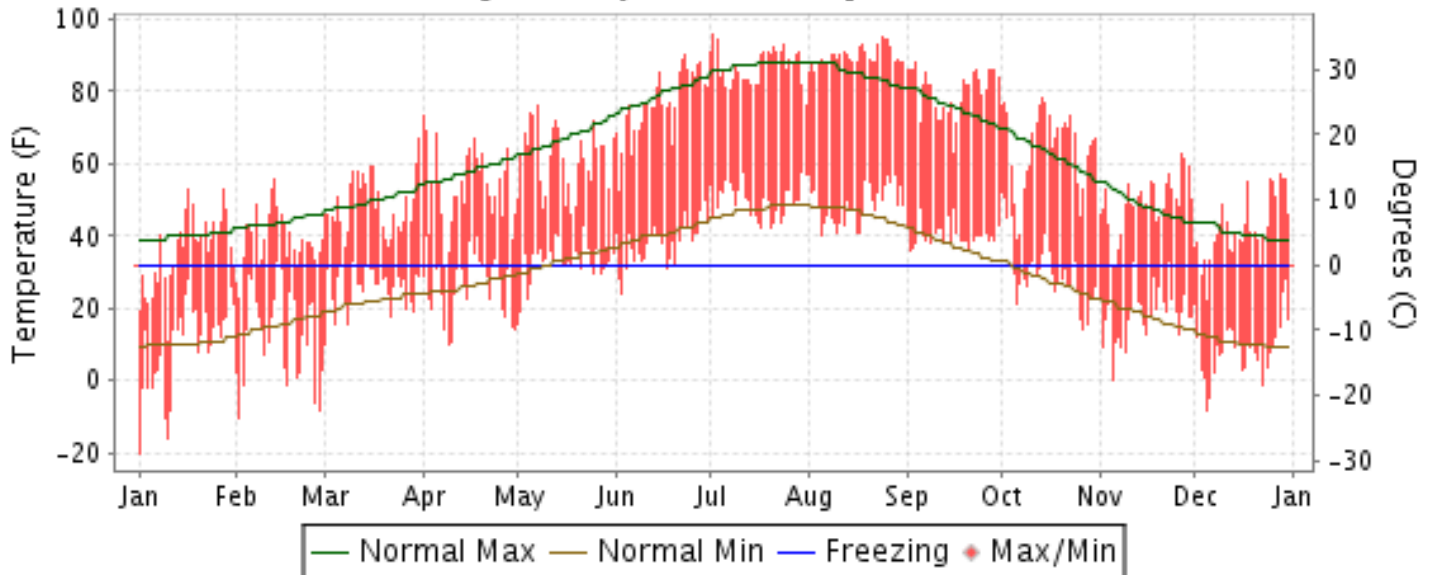


2011 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

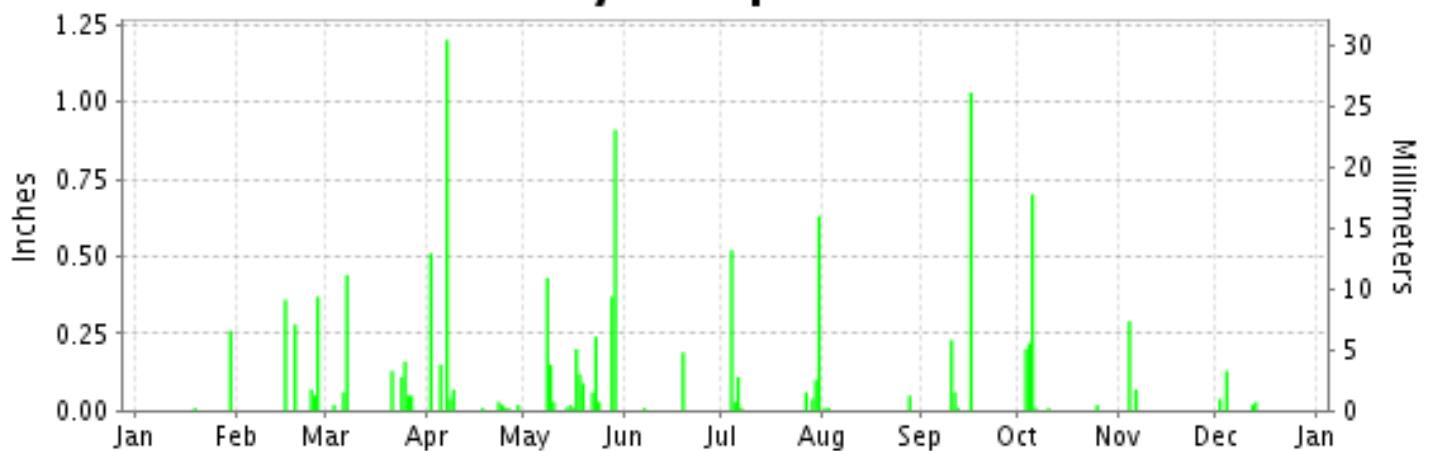
ISSN 0198-3288

ELY, NEVADA (KELY)

Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2011

ELY (KELY)

LATITUDE: 39° 17'N LONGITUDE: -114° 50'W ELEVATION (FT): GRND: 6262 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	35.8	39.1	48.6	53.6	60.5	76.6	86.8	89.5	80.2	64.3	48.9	42.1	60.5	
	HIGHEST DAILY MAXIMUM	53	56	67	73	76	90	96	95	88	78	63	57	96	
	DATE OF OCCURRENCE	28+	13	31	01	07	23	02	24	04	14	27	28	JUL 02	
	MEAN DAILY MINIMUM	9.6	12.5	25.5	26.4	32.7	38.2	50.0	48.9	40.4	30.1	18.4	9.1	28.5	
	LOWEST DAILY MINIMUM	-20	-10	10	10	16	24	42	40	36	14	0	-8	-20	
	DATE OF OCCURRENCE	01	02	01	09	01	03	20+	05	02	27	05	05	JAN 01	
	AVERAGE DRY BULB	22.7	25.8	37.1	40.0	46.6	57.4	68.4	69.2	60.3	47.2	33.7	25.6	44.5	
	MEAN WET BULB	19.8	22.4	31.3	33.6	38.6	44.7	52.7	50.6	46.0	37.4	26.8	19.2	35.3	
	MEAN DEW POINT	15.1	15.2	23.4	24.6	29.1	29.6	37.9	31.2	32.2	26.8	16.3	9.9	24.3	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	0	1	13	13	0	0	0	0	0	27
MAXIMUM <= 32°	12	4	0	1	0	0	0	0	0	0	2	3	22		
MINIMUM <= 32°	31	27	30	24	13	5	0	0	0	22	28	31	211		
MINIMUM <= 0°	7	5	0	0	0	0	0	0	0	0	1	3	16		
H/C	HEATING DEGREE DAYS	1299	1088	861	741	562	229	4	0	134	544	930	1215	7607	
	COOLING DEGREE DAYS	0	0	0	0	0	9	116	139	0	0	0	0	264	
RH	MEAN (PERCENT)	75	65	61	59	57	39	39	29	43	54	55	61	53	
	HOUR 04 LST	82	77	75	77	76	67	63	55	67	73	69	74	71	
	HOUR 10 LST	65	54	46	42	45	22	26	16	23	33	40	44	38	
	HOUR 16 LST	73	57	47	41	43	20	26	14	22	42	46	53	40	
	HOUR 22 LST	80	73	70	72	68	52	48	35	54	66	65	69	63	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	1	2	3	2	1	0	0	0	0	1	2	1	13	
	THUNDERSTORMS	0	1	1	4	4	3	12	8	8	3	1	0	45	
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.)	23.96	23.83	23.82	23.79	23.78	23.83	23.91	23.93	24.00	23.94	23.89	23.97	23.89	
	MEAN SEA-LEVEL PRESS. (IN.)	30.29	30.08	29.97	29.90	29.84		29.82	29.85	29.99	30.05	30.07	30.29		
WINDS	RESULTANT SPEED (MPH)	4.7		6.8	2.6	2.1	4.9	7.8	7.3	4.3	4.4	4.7	1.1		
	RES. DIR. (TENS OF DEGS.)	18		19	24	20	19	18	19	17	18	19	17		
	MEAN SPEED (MPH)	8.3	10.8	10.2	8.4	9.2	9.9	9.8	9.5	7.6	8.4	9.1	8.7	9.2	
	PREVAIL.DIR.(TENS OF DEGS.)	17	18	17	17	16	17	20	17	17	17	17	17	17	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	25	39	41	35	47	41	33	30	39	35	36	39	47	
	DIR. (TENS OF DEGS.)	32	20	15	29	16	16	16	27	16	16	13	35	16	
	DATE OF OCCURRENCE	19	16	20	21	15	28	17	28	30	05	03	01	MAY 15	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	32	55	54	46	63	58	43	44	54	45	48	49	63	
DIR. (TENS OF DEGS.)	32	21	16	22	16	15	20	19	20	16	14	35	16		
DATE OF OCCURRENCE	19	16	20	28	15	28	25	29	30	05	03	01	MAY 15		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	0.27	1.13	1.02	2.07	2.67	0.20	1.50	0.07	1.33	1.16	0.36	0.22	12.00	
	GREATEST 24-HOUR (IN.)	0.26	0.37	0.49	1.24	1.14	0.19	0.63	0.05	1.03	0.70	0.29	0.13	1.24	
	DATE OF OCCURRENCE	30	26	06-07	07-08	28-29	19	31	28	16	05	04	04	APR 07-08	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	2	5	8	11	14	2	8	3	4	6	2	4	69	
PRECIPITATION 0.10	1	3	4	3	7	1	4	0	2	3	1	1	30		
PRECIPITATION 1.00	0	0	0	1	0	0	0	0	1	0	0	0	2		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	4.4	19.7	11.7	14.5	10.0	0.0	T	0.0	0.0	2.6	6.0	3.3	72.2	
	GREATEST 24-HOUR (IN.)	4.4	7.7	3.2	13.2	7.5	0.0	T	0.0	0.0	2.6	4.0	2.4	13.2	
	DATE OF OCCURRENCE	30	26	25+	07	29		04			05	04	04	APR 07	
	MAXIMUM SNOW DEPTH (IN.)	15	9	5	13	5	0	0	0	0	3	4	2	15	
	DATE OF OCCURRENCE	02+	27	01	08	30+					06	07+	06+	JAN 02+	
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0	1	4	4	2	3	0	0	0	0	1	2	1	18		

NORMALS, MEANS, AND EXTREMES ELY (KELY)

LATITUDE:
39° 17'N

LONGITUDE:
-114° 50'W

ELEVATION (FT):
GRND: 6262 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	81	39.1	41.5	48.4	56.8	67.0	77.8	86.2	83.6	75.0	63.1	49.4	40.5	60.7
	HIGHEST DAILY MAXIMUM	73	68	67	76	82	92	99	101	97	93	86	75	67	101
	YEAR OF OCCURRENCE		1951	1986	2004	1992	2003	1954	2002	1981	1990	2010	1975	1958	JUL 2002
	MEAN OF EXTREME MAXS.	81	55.0	57.1	64.6	73.2	82.0	90.6	94.8	92.9	87.5	78.2	66.5	56.6	74.9
	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	81	10.6	14.7	20.7	26.2	33.4	40.2	47.8	46.9	37.4	28.1	19.0	11.6	28.1
	LOWEST DAILY MINIMUM	73	-27	-30	-13	-5	7	0	28	24	15	-3	-20	-29	-30
	YEAR OF OCCURRENCE		1949	1989	1952	1982	1950	2000	1997	1960	1968	1991	2010	1990	FEB 1989
	MEAN OF EXTREME MINS.	81	-11.5	-6.0	3.0	11.4	20.0	27.8	37.2	35.1	23.5	13.2	-0.2	-8.8	12.1
	NORMAL DRY BULB	30	25.2	29.8	35.9	42.2	50.4	59.9	67.4	65.8	56.7	45.4	33.5	25.8	44.8
	MEAN DRY BULB	81	24.9	28.6	34.6	41.5	50.2	59.0	67.1	65.3	56.2	45.7	34.3	26.0	44.5
	MEAN WET BULB	27	20.4	23.3	28.2	32.0	37.7	42.2	48.2	46.2	40.0	33.5	25.2	19.8	33.1
	MEAN DEW POINT	27	16.1	19.4	23.0	25.5	30.5	33.5	37.7	38.2	32.4	25.9	20.7	15.2	26.5
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	*	3.0	12.5	7.2	0.5	0.0	0.0	0.0	23.2
	MAXIMUM <= 32	30	6.4	3.3	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.2	2.3	6.2	19.4
MINIMUM <= 32	30	30.5	27.5	28.6	24.2	14.2	3.2	0.2	0.4	7.8	23.4	28.4	30.7	219.1	
MINIMUM <= 0	30	6.8	3.1	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.5	5.7	17.9	
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	67	64	59	51	48	38	34	38	43	50	59	64	51
	HOURLY 04 LST	30	75	75	73	69	69	59	53	56	62	67	71	73	67
	HOURLY 10 LST	30	63	59	51	40	36	28	24	27	32	40	52	59	43
	HOURLY 16 LST	30	56	50	43	34	32	23	21	23	25	32	46	54	37
	HOURLY 22 LST	30	73	71	67	59	56	43	38	42	49	57	66	70	58
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)	48	0.9	0.8	1.3	1.0	0.3	0.0	0.0	0.0	0.2	0.3	0.6	0.8	6.2
	THUNDERSTORMS	63	0.2	0.4	0.6	1.6	4.1	4.9	8.6	8.3	3.9	1.4	0.5	0.3	34.8
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	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	2	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)	28	23.92	23.86	23.92	23.82	23.84	23.88	23.96	23.96	23.94	23.93	23.92	23.91	23.91
	MEAN SEA-LEVEL PRES. (IN)	28	30.20	30.10	30.01	29.92	29.86	29.83	29.88	29.89	29.94	30.04	30.13	30.19	30.00
WINDS	MEAN SPEED (MPH)	28	9.0	9.2	9.8	10.0	9.9	9.9	9.6	9.7	9.4	9.2	8.9	9.1	9.5
	PREVAIL.DIR(TENS OF DEGS)	29	19	19	19	19	19	19	19	19	19	19	19	19	19
	MAXIMUM 2-MINUTE: SPEED (MPH)	17	53	47	44	46	48	43	48	46	43	43	41	43	53
	DIR. (TENS OF DEGS)		13	19	23	18	19	16	16	22	20	19	15	15	13
	YEAR OF OCCURRENCE		2008	1999	2010	2002	2004	2009	2009	2004	2010	1997	2009	2001	JAN 2008
	MAXIMUM 3-SECOND SPEED (MPH)	17	74	56	59	60	63	59	68	59	62	56	52	59	74
	DIR. (TENS OF DEGS)		13	18	23	17	16	24	17	22	19	13	15	33	13
	YEAR OF OCCURRENCE		2008	1999	2010	2006	2011	2001	2009	2004	2010	2010	2009	2007	JAN 2008
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)	73	2.08	2.19	2.40	3.41	3.26	3.53	2.30	2.51	4.99	3.67	1.82	3.33	4.99
	YEAR OF OCCURRENCE		1993	1969	1952	1978	1977	1963	1987	1983	1982	1981	1960	2010	SEP 1982
	MINIMUM MONTHLY (IN)	73	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	2009	1976	OCT 1952
	MAXIMUM IN 24 HOURS (IN)	73	0.95	1.54	1.05	1.32	1.42	1.50	1.47	1.15	2.87	1.39	1.29	1.42	2.87
	YEAR OF OCCURRENCE		1952	1969	1998	2005	1955	1963	1987	2000	1982	1976	1960	2010	SEP 1982
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	7.4	7.2	8.5	7.2	8.4	4.5	5.2	6.1	5.2	5.5	5.8	5.8	76.8
	PRECIPITATION >= 1.00	30	0.0	0.0	*	0.0	0.0	0.1	0.0	*	0.1	*	*	0.0	0.2
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)	65	24.8	20.0	24.8	24.5	12.8	5.6	T	T	6.3	12.1	20.3	29.8	29.8
	YEAR OF OCCURRENCE		2010	1976	1958	1963	2010	1939	2011	1993	1982	1981	2010	2010	DEC 2010
	MAXIMUM IN 24 HOURS (IN)	65	13.1	10.4	10.6	13.2	8.0	5.6	T	T	4.7	8.7	12.9	13.0	13.2
	YEAR OF OCCURRENCE'		1943	1956	1954	2011	1975	1939	2011	1993	1986	2002	1978	2003	APR 2011
	MAXIMUM SNOW DEPTH (IN)	52	24	18	19	13	8	1	0	0	T	9	10	18	24
	YEAR OF OCCURRENCE		2010	1949	1952	2011	2010	1990			1986	2002	2010	2003	JAN 2010
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) 2011 ELY (KELY)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
2003	0.22	0.47	0.41	1.74	1.80	0.10	0.49	1.19	0.11	0.07	0.75	1.19	8.54
2004	0.01	0.83	0.28	1.00	0.44	0.77	0.71	0.78	0.38	2.32	0.94	0.54	9.00
2005	1.08	1.03	1.29	1.97	2.45	0.19	0.24	1.75	0.72	0.79	0.83	0.65	12.99
2006	0.73	0.93	1.71	1.10	0.39	0.47	1.80	0.04	0.41	1.06	0.26	0.30	9.20
2007	0.21	1.41	0.64	0.63	0.34	0.34	0.70	0.59	0.59	0.63	T	0.68	6.76
2008	0.68	0.60	0.14	0.01	0.44	0.33	0.94	0.38	0.35	0.16	1.17	0.30	5.50
2009	1.49	0.54	0.65	1.18	0.33	1.78	0.92	0.33	0.33	1.44	T	1.05	10.04
2010	0.81	0.20	0.73	0.72	1.37	0.15	0.69	0.13	0.01	1.32	1.65	3.33	11.11
2011	0.27	1.13	1.02	2.07	2.67	0.20	1.50	0.07	1.33	1.16	0.36	0.22	12.00
POR= 81 YRS	0.79	0.80	1.03	0.99	1.16	0.62	0.64	0.81	0.76	0.78	0.68	0.72	9.78

WBAN : 23154

AVERAGE TEMPERATURE (°F) 2011 ELY (KELY)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
2003	35.9	27.3	37.3	40.9	51.1	61.5	71.6	68.2	57.7	50.8	30.4	27.7	46.7
2004	21.2	24.0	42.1	44.7	51.7	61.4	68.0	63.8	56.0	44.7	32.2	28.6	44.9
2005	30.3	31.8	35.5	41.2	50.8	57.4	70.3	66.1	55.6	46.5	37.8	29.0	46.0
2006	27.8	29.0	30.6	44.0	53.3	63.9	70.1	64.9	54.0	44.4	34.7	25.2	45.2
2007	18.6	31.1	39.9	44.1	52.4	62.6	71.4	69.4	56.8	44.8	36.4	21.6	45.8
2008	19.2	27.1	34.6	39.7	48.1	59.8	69.4	67.8	56.8	46.0	39.6	24.6	44.4
2009	25.5	27.4	35.4	41.3	54.2	56.1	66.7	61.5	58.8	40.2	33.6	16.3	43.1
2010	21.7	27.3	34.7	39.1	44.4	60.7	68.5	66.3	59.0	48.2	31.1	29.3	44.2
2011	22.7	25.8	37.1	40.0	46.6	57.4	68.4	69.2	60.3	47.2	33.7	25.6	44.5
POR= 81 YRS	24.9	28.6	34.6	41.5	50.2	59.0	67.1	65.3	56.2	45.7	34.3	26.0	44.4

HEATING DEGREE DAYS (base 65°F) 2011 ELY (KELY)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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
2002-03	0	53	246	693	924	1191	896	1048	849	716	442	113	7171
2003-04	1	9	212	433	1030	1148	1348	1180	703	603	409	104	7180
2004-05	10	71	272	623	978	1121	1070	925	909	709	431	233	7352
2005-06	3	28	278	567	808	1107	1146	1003	1063	622	358	67	7050
2006-07	6	36	326	630	905	1228	1430	959	771	622	384	103	7400
2007-08	0	2	268	619	852	1339	1418	1090	936	751	520	174	7969
2008-09	0	5	236	584	754	1245	1220	1046	912	706	328	266	7302
2009-10	21	130	186	761	933	1502	1335	1051	932	770	633	153	8407
2010-11	16	53	176	515	1010	1098	1299	1088	861	741	562	229	7648
2011-	4	0	134	544	930	1215							

WBAN : 23154

COOLING DEGREE DAYS (base 65°F) 2011 ELY (KELY)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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
2003	0	0	0	0	17	14	216	117	1	1	0	0	366
2004	0	0	0	0	0	4	112	41	9	0	0	0	166
2005	0	0	0	0	0	11	173	68	3	0	0	0	255
2006	0	0	0	0	0	38	168	37	3	0	0	0	246
2007	0	0	0	0	1	40	206	145	29	0	0	0	421
2008	0	0	0	0	4	24	142	98	0	0	0	0	268
2009	0	0	0	0	0	7	78	30	5	0	0	0	120
2010	0	0	0	0	0	29	136	101	5	0	0	0	271
2011	0	0	0	0	0	9	116	139	0	0	0	0	264

SNOWFALL (inches) 2011 ELY (KELY)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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	
2002-03	0.0	0.0	0.0	8.9	1.0	2.1	0.5	5.9	2.1	22.0	11.2	0.0	53.7
2003-04	0.0	0.0	0.0	0.0	10.1	18.3	0.1	10.7	0.5	1.3	T	0.0	41.0
2004-05	0.0	0.0	0.0	3.9	5.4	9.3	10.1	10.7	13.0	5.3	7.2	0.0	64.9
2005-	0.0	0.0	0.0	1.0	4.9	9.2							
2006-													
2008-09	0.0	0.0	0.0	1.5	1.3	8.9	13.7	11.2	9.1	9.9	0.0	0.0	55.6
2009-10	0.0	0.0	0.0	5.5	T	23.3	24.8	6.9	22.9	10.9	12.8	0.0	107.1
2010-11	0.0	0.0	0.0	T	20.3	29.8	4.4	19.7	11.7	14.5	10.0	0.0	110.4
2011-	T	0.0	0.0	2.6	6.0	3.3							
POR= 72 YRS	T	T	0.3	2.1	4.8	7.6	8.4	7.6	9.2	6.0	2.7	0.1	48.8

WBAN : 23154

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. 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.</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 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 HISTORY GO TO "MULTI-NETWORK MEDADATA SYSTEM", URL IS: https://mi3.ncdc.noaa.gov/mi3qry/login.cfm 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 the "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p>
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2011 ELY NEVADA (KELY)

Ely is located in the southern portion of 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, Ely is situated in the Steptoe Valley, a broad north-south valley typical of the Basin and Range geologic province. A smaller valley, the Smith Valley, branches off to the northwest just north of the downtown Ely. The elevation at White Pine County Airport, which serves as the official weather station in Ely and is located 4 miles northeast of downtown near the junction of Steptoe and Smith valleys, is 6,262 feet. To the immediate west of Ely is the Egan Range, which reaches a peak elevation of 10,941 feet atop Ward Mountain about 10 miles south-southwest of downtown Ely. To the immediate east of Ely is the Duck Creek Range, a somewhat less prominent mountain range with peaks generally below 9,000 feet.

The climate of Ely is most simply described as being a high desert type. High temperatures are very warm in the summer, with values sometimes 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 Elys high elevation, location in a valley, and generally low humidity. It is also one reason why the growing season is usually quite short, with an average length of about 80 days each year. The last freezing temperature in the spring typically occurs in mid June, with the first freezing temperature of fall usually happening in early 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 Ely 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 a semi-arid climate, with most precipitation that does fall being showery in nature. No obvious dry or wet season exists in Ely as precipitation is distributed throughout the year; however, the spring and fall tend to be somewhat wetter than the summer and winter.

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. Thunderstorms which are caused by strong monsoon moisture surges can occasionally produce heavy rain and flooding, while dry thunderstorms (those with less than 0.10 of rainfall) can cause wildfires during the summer. Snowfall can be heavy during the winter and snow can often persist on the ground for an extended period of time. Heavy snowfalls of 6 inches or greater usually happen several times every 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 northerly up-valley wind occurring sometimes during the afternoon and a southerly 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, Elys 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 Ely, with only one or two occurrences in a given year on average. Dust storms in Ely are rare, due primarily to a lack of large scale dust sources such as dry lake beds in the area.

Skies are often mostly clear for many days in 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 Ely is based primarily upon mining, ranching, hay farming, gambling and tourism. Weather rarely affects any of these activities for more than a few days.

Station History

ELY, NV

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
ELY YELLAND FIELD AP	1948-01-01	1973-01-01	39° 16'	-114° 51'	6253		AIRWAYS, COOP
ELY YELLAND FIELD AP	1997-02-01	2008-03-01	39° 17'	-114° 50'	6262		ASOS, COOP
ELY YELLAND FIELD AP	2010-09-18	Present	39° 17'	-114° 50'	6262		AIRWAYS, ASOS, COOP
ELY YELLAND FIELD AP	1973-01-01	1981-12-31	39° 16'	-114° 51'	6253		COOP, WXSVC
ELY YELLAND FIELD AP	1938-10-01	1948-01-01	39° 16'	-114° 51'	6263		AIRWAYS, COOP
ELY YELLAND FIELD AP	1994-06-01	1997-02-01	39° 17'	-114° 50'	6253		ASOS, COOP
ELY YELLAND FIELD AP	2008-03-01	2010-09-18	39° 17'	-114° 50'	6262		ASOS, COOP
ELY YELLAND FIELD AP	1981-12-31	1994-06-01	39° 16'	-114° 51'	6253		COOP

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
PRECIP	1938-10-01	1982-01-01	DAILY		UNIV	RCRD	
TEMP	2006-07-26	2010-09-18	DAILY	2400	HYGR		
TEMP	2006-07-26	2010-09-18	DAILY	VAR	HYGR		
TEMP	2011-09-24	Present	DAILY	2400	ATEMP		
PRECIP	2010-09-18	2011-09-24	DAILY	2400	PCPN1		
TEMP	2011-09-24	Present	DAILY	VAR	ATEMP		
PRECIP	1982-01-01	1995-07-01	DAILY		UNIV	RCRD	
PRECIP	1982-01-01	1995-07-01	HOURLY	2400			
TEMP	1995-07-01	1997-02-01	DAILY	2400			
TEMP	2010-09-18	2011-09-24	DAILY	VAR			
PRECIP	2011-09-24	Present	DAILY	2400	PCPNX		
TEMP	1938-10-01	1982-01-01	DAILY	2400			
PRECIP	1995-07-01	1997-02-01	DAILY	2400	UNIV	RCRD	
PRECIP	1995-07-01	1997-02-01	HOURLY	2400	UNIV	RCRD	
TEMP	1997-02-01	2006-07-26	DAILY	2400	HYGR		
PRECIP	2006-07-26	2010-09-18	HOURLY	2400	AWPAG	RCRD;HTD	
PRECIP	1997-02-01	2006-07-26	HOURLY	2400	TB	RCRD	
PRECIP	2006-07-26	2010-09-18	DAILY	VAR	PCPN1		
TEMP	2010-09-18	2011-09-24	DAILY	2400			
PRECIP	2011-09-24	Present	HOURLY	2400	AWPAG	RCRD;HTD	
TEMP	1982-01-01	1995-07-01	DAILY	2400			
PRECIP	2006-07-26	2010-09-18	DAILY	2400	PCPN1		
PRECIP	2010-09-18	2011-09-24	DAILY	VAR	PCPN1		
PRECIP	2010-09-18	2011-09-24	HOURLY	2400	AWPAG	RCRD;HTD	
PRECIP	2011-09-24	Present	DAILY	VAR	PCPNX		
PRECIP	1997-02-01	2006-07-26	DAILY		TB	RCRD	

* 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.info@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