

71203 WLW Kelowna Apt

Observations at 12Z 19 Apr 2010

PRES	HGHT	TEMP	DWPT	RELH	MIXR	DRCT	SKNT	THTA	THTE	THTV
hPa	m	C	C	%	g/kg	deg	knot	K	K	K
1000.0	121									
961.0	456	5.8	3.9	88	5.29	295	1	282.1	297.0	283.0
954.0	516	9.2	5.4	77	5.93	305	2	286.2	303.0	287.2
946.0	586	9.6	3.6	66	5.26	316	4	287.3	302.4	288.2
943.2	610	9.6	3.6	66	5.27	320	4	287.5	302.6	288.4
925.0	771	9.4	3.4	66	5.31	345	5	288.9	304.3	289.8
924.0	780	9.2	3.2	66	5.24	346	5	288.8	304.0	289.7
909.2	914	9.5	2.5	61	5.05	0	4	290.5	305.2	291.4
896.0	1035	9.8	1.8	57	4.89	46	5	292.0	306.4	292.8
876.4	1219	9.2	0.4	54	4.51	115	6	293.2	306.6	294.0
850.0	1472	8.4	-1.6	49	4.02	140	8	294.9	307.0	295.6
844.0	1530	8.0	-2.0	49	3.93	143	8	295.1	307.0	295.8
813.6	1829	5.5	-2.7	56	3.87	160	10	295.5	307.2	296.2
783.6	2134	2.9	-3.4	63	3.81	175	15	295.9	307.5	296.6
756.0	2426	0.4	-4.1	72	3.75	117	19	296.3	307.7	297.0
754.8	2438	0.4	-4.9	68	3.54	115	19	296.4	307.2	297.0
726.6	2743	-0.4	-24.3	15	0.74	110	18	298.8	301.3	299.0
722.0	2794	-0.5	-27.5	11	0.56	111	18	299.2	301.2	299.3
700.0	3040	-1.9	-32.9	7	0.34	115	16	300.4	301.6	300.4
699.3	3048	-1.9	-33.2	7	0.34	115	15	300.4	301.6	300.5
680.0	3270	-2.5	-40.5	4	0.17	137	14	302.2	302.8	302.2
647.3	3658	-4.7	-34.3	8	0.32	175	11	304.0	305.2	304.1
641.0	3735	-5.1	-33.1	9	0.37	184	11	304.4	305.7	304.4
638.0	3772	-5.5	-19.5	32	1.29	188	11	304.3	308.6	304.6
622.6	3962	-7.1	-19.9	35	1.28	210	10	304.6	308.9	304.9
598.6	4267	-9.7	-20.5	41	1.26	215	14	305.1	309.3	305.4
589.0	4392	-10.7	-20.7	44	1.26	213	15	305.3	309.5	305.5
575.3	4572	-12.2	-18.3	60	1.58	210	17	305.7	310.9	306.0
561.0	4764	-13.7	-15.7	85	2.02	223	18	306.0	312.6	306.4
552.7	4877	-14.6	-16.3	87	1.94	230	18	306.3	312.7	306.6
548.0	4942	-15.1	-16.7	88	1.90	229	18	306.4	312.7	306.8
500.0	5630	-18.5	-22.9	68	1.22	220	20	310.4	314.6	310.6
469.6	6096	-20.4	-26.1	60	0.98	205	23	313.7	317.1	313.9
462.0	6217	-20.9	-26.9	59	0.92	204	23	314.5	317.8	314.7
458.0	6281	-20.7	-27.7	53	0.86	204	23	315.6	318.6	315.7
432.1	6706	-23.4	-30.0	55	0.74	200	22	317.4	320.0	317.5
414.5	7010	-25.4	-31.7	56	0.65	180	18	318.6	321.0	318.7
400.0	7270	-27.1	-33.1	57	0.59	180	19	319.7	321.9	319.8
381.0	7620	-29.8	-35.0	60	0.51	175	21	320.7	322.6	320.8
373.0	7772	-30.9	-35.9	61	0.48	173	22	321.1	322.9	321.2
364.8	7925	-32.2	-37.0	63	0.44	170	24	321.3	323.0	321.4
319.7	8839	-40.2	-43.3	72	0.26	205	29	322.6	323.6	322.7
305.9	9144	-42.9	-45.5	76	0.22	200	26	322.9	323.8	323.0
300.0	9280	-44.1	-46.4	78	0.20	185	23	323.1	323.9	323.1
282.0	9690	-47.7	-49.0	86	0.16	168	21	323.7	324.3	323.7
279.2	9754	-48.3	-49.8	85	0.15	165	21	323.7	324.3	323.8
266.5	10058	-51.2	-53.4	77	0.10	125	26	323.9	324.3	323.9
259.0	10243	-52.9	-55.6	72	0.08	128	25	324.0	324.3	324.0
254.2	10363	-53.6	-56.7	69	0.07	130	25	324.6	324.9	324.6
250.0	10470	-54.3	-57.7	66	0.06	175	20	325.2	325.5	325.2
247.0	10548	-54.9	-58.6	63	0.06	192	25	325.4	325.7	325.4

242.3	10668	-55.9	-59.5	64	0.05	220	33	325.8	326.0	325.8
220.0	11278	-60.6	-63.9	65	0.03	225	37	327.5	327.7	327.5
218.0	11337	-61.1	-64.3	66	0.03	225	37	327.7	327.8	327.7
200.0	11870	-64.1	-68.2	57	0.02	230	34	331.1	331.2	331.1
194.0	12056	-65.5	-69.5	57	0.02	225	30	331.8	331.8	331.8
186.0	12312	-65.3	-69.7	54	0.02	228	26	336.1	336.2	336.1
180.5	12497	-61.7	-68.8	38	0.02	230	24	344.9	345.0	344.9
175.0	12689	-57.9	-67.9	27	0.02	224	21	354.2	354.3	354.2
171.9	12802	-58.4	-70.6	19	0.02	220	20	355.1	355.2	355.1
168.0	12946	-59.1	-74.1	13	0.01	218	20	356.3	356.4	356.3
163.8	13106	-57.6	-77.6	6	0.01	215	21	361.5	361.5	361.5
163.0	13136	-57.3	-78.3	5	0.01	216	21	362.4	362.5	362.4
150.0	13660	-57.9	-84.9	2	0.00	235	28	370.1	370.1	370.1
149.0	13702	-57.9	-84.9	2	0.00	235	28	370.8	370.8	370.8
148.7	13716	-57.8	-84.9	2	0.00	235	28	371.3	371.3	371.3
142.0	14007	-55.3	-85.3	1	0.00	249	13	380.5	380.5	380.5
141.7	14021	-55.4	-85.4	1	0.00	250	12	380.6	380.6	380.6
135.0	14326	-57.6	-87.6	1	0.00	225	10	381.9	381.9	381.9
133.0	14421	-58.3	-88.3	1	0.00	227	10	382.4	382.4	382.4
122.6	14935	-56.6	-87.3	1	0.00	240	10	394.3	394.4	394.3
117.0	15231	-55.7	-86.7	1	0.00	167	3	401.4	401.4	401.4
116.8	15240	-55.7	-86.7	1	0.00	165	3	401.6	401.6	401.6
102.0	16104	-55.5	-87.5	1	0.00	127	6	417.9	417.9	417.9
101.2	16154	-55.6	-87.6	1	0.00	125	6	418.6	418.6	418.6
100.0	16230	-55.7	-87.7	1	0.00	125	6	419.8	419.8	419.8
92.6	16715	-58.5	-89.5	1	0.00	180	8	423.6	423.6	423.6
87.5	17069	-56.5	-88.4	1	0.00	220	10	434.5	434.5	434.5
87.1	17101	-56.3	-88.3	1	0.00	220	10	435.5	435.5	435.5
78.1	17789	-57.9	-88.9	1	0.00	217	15	446.0	446.0	446.0
72.2	18288	-56.7	-88.5	1	0.00	215	18	458.6	458.6	458.6
70.0	18480	-56.3	-88.3	1	0.00	225	13	463.6	463.6	463.6
68.8	18593	-56.4	-88.4	1	0.00	235	10	465.8	465.8	465.8
59.6	19507	-57.0	-89.0	1	0.00	230	12	484.0	484.0	484.0
54.1	20117	-57.4	-89.4	1	0.00	250	10	496.5	496.5	496.5
51.6	20422	-57.6	-89.6	1	0.00	345	1	502.9	502.9	502.9
50.0	20620	-57.7	-89.7	1	0.00	205	7	507.1	507.1	507.1
49.2	20726	-57.6	-89.6	1	0.00	230	11	509.8	509.8	509.8
44.7	21336	-56.9	-89.1	1	0.00	300	2	525.7	525.8	525.7
35.1	22860	-55.1	-87.8	1	0.01	15	10	567.7	567.8	567.7
33.5	23165	-54.7	-87.6	1	0.01	30	10	576.5	576.6	576.5
30.7	23713	-54.1	-87.1	1	0.01	3	2	592.6	592.7	592.6
30.4	23774	-54.4	-86.9	1	0.01	0	1	593.6	593.6	593.6
30.0	23860	-54.7	-86.7	1	0.01	315	3	594.9	595.0	594.9
21.6	25950	-58.1	-89.1	1	0.01	89	2	643.3	643.4	643.3
20.0	26440	-54.5	-87.5	1	0.01	120	2	668.6	668.7	668.6
19.4	26636	-53.5	-86.5	1	0.01	84	6	677.5	677.7	677.5
18.9	26822	-53.4	-86.4	1	0.01	50	10	683.6	683.7	683.6
18.0	27127	-53.1	-86.1	1	0.01	70	10	693.6	693.8	693.6
17.1	27448	-52.9	-85.9	1	0.01	151	3	704.3	704.5	704.3
17.1	27432	-52.9	-85.9	1	0.01	150	3	703.8	703.9	703.8
14.6	28462	-55.5	-87.5	1	0.01	230	6	728.2	728.3	728.2
13.2	29113	-49.7	-83.7	1	0.03	280	9	769.4	769.7	769.4
12.4	29521	-51.3	-84.3	1	0.03	312	10	777.7	778.0	777.7
12.3	29566	-51.1	-84.2	1	0.03	315	10	780.0	780.3	780.0
11.8	29870	-49.5	-83.2	1	0.03	320	10	796.0	796.4	796.0
10.7	30490	-46.3	-81.3	1	0.05	330	7	829.4	830.0	829.4
10.7	30480	-46.4	-81.3	1	0.05	330	7	828.9	829.5	828.9
10.0	30940	-45.7	-80.7	1	0.06	320	5	847.8	848.6	847.9
9.3	31394	-45.4	-80.4	1	0.07	225	10	865.7	866.5	865.7
8.9	31699	-45.2	-80.2	1	0.07	255	11	877.9	878.8	877.9
8.5	32004	-45.0	-80.0	1	0.08	240	13	890.2	891.3	890.3
8.4	32103	-44.9	-79.9	1	0.08			894.3	895.4	894.3

Station information and sounding indices

```
Station identifier: WLW
  Station number: 71203
    Observation time: 100419/1200
      Station latitude: 49.94
        Station longitude: -119.40
          Station elevation: 456.0
            Showalter index: 5.75
              Lifted index: 8.21
                LIFT computed using virtual temperature: 8.27
                  SWEAT index: 36.01
                    K index: -5.70
                      Cross totals index: 16.90
                        Vertical totals index: 26.90
                          Totals totals index: 43.80
                            Convective Available Potential Energy: 0.00
                              CAPE using virtual temperature: 0.00
                                Convective Inhibition: 0.00
                                  CINS using virtual temperature: 0.00
                                    Bulk Richardson Number: 0.00
                                      Bulk Richardson Number using CAPV: 0.00
                                        Temp [K] of the Lifted Condensation Level: 275.43
                                          Pres [hPa] of the Lifted Condensation Level: 855.19
                                            Mean mixed layer potential temperature: 288.04
                                              Mean mixed layer mixing ratio: 5.31
                                                1000 hPa to 500 hPa thickness: 5509.00
Precipitable water [mm] for entire sounding: 13.73
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Description of the [data columns](#) or [sounding indices](#).

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Questions about the weather data provided by this site can be addressed to [Larry Oolman \(ldoolman@uwyo.edu\)](mailto:ldoolman@uwyo.edu)
