

72797 UIL Quillayute Observations at 00Z 25 Jul 2015

PRES hPa	HGHT m	TEMP C	DWPT C	RELH %	MIXR g/kg	DRCT deg	SKNT knot	THTA K	THTE K	THTV K
1012.0	62	17.2	15.6	90	11.13	245	2	289.4	320.7	291.3
1000.0	159	15.4	13.7	90	9.94	305	2	288.6	316.6	290.3
990.0	244	14.4	12.8	90	9.46	288	3	288.4	315.1	290.0
982.9	305	13.8	12.5	92	9.36	275	4	288.4	314.8	290.0
969.0	425	12.6	12.0	96	9.17	279	5	288.3	314.2	289.9
951.0	582	11.6	10.1	91	8.22	284	6	288.9	312.2	290.3
947.9	610	11.5	10.0	91	8.20	285	6	289.0	312.4	290.5
925.0	814	10.8	9.4	91	8.06	260	8	290.4	313.4	291.8
914.0	914	10.7	9.8	94	8.36	240	11	291.3	315.2	292.7
892.0	1118	10.6	10.5	99	9.01	243	16	293.2	319.1	294.8
881.2	1219	10.0	9.8	99	8.71	245	18	293.6	318.8	295.2
850.0	1519	8.4	7.8	96	7.87	245	17	294.9	317.9	296.3
849.5	1524	8.4	7.8	96	7.85	245	18	294.9	317.9	296.3
844.0	1578	8.0	7.3	95	7.65	242	18	295.1	317.5	296.5
818.7	1829	7.1	6.6	96	7.51	230	18	296.8	318.9	298.1
809.0	1927	6.8	6.3	97	7.45	225	19	297.4	319.4	298.8
788.9	2134	5.5	4.9	96	6.91	215	22	298.1	318.7	299.4
788.0	2143	5.4	4.8	96	6.89	215	22	298.2	318.7	299.4
766.0	2374	4.0	0.8	80	5.32	215	25	299.1	315.2	300.1
760.0	2438	3.6	0.2	79	5.16	215	26	299.3	314.9	300.2
741.0	2643	2.2	-1.5	77	4.65	225	25	300.0	314.1	300.8
738.0	2676	2.0	-3.0	69	4.17	227	24	300.1	312.9	300.9
734.0	2720	1.8	-7.2	51	3.05	229	24	300.4	309.9	300.9
731.9	2743	1.7	-8.5	47	2.77	230	24	300.5	309.2	301.0
725.0	2819	1.4	-12.6	34	2.01	230	25	301.0	307.4	301.3
700.0	3101	0.2	-13.8	34	1.89	230	30	302.7	308.8	303.0
685.0	3275	-0.7	-14.7	34	1.79	232	32	303.6	309.4	303.9
680.0	3333	-0.9	-4.1	79	4.17	232	33	304.0	317.0	304.7
659.0	3584	-2.3	-3.5	91	4.50	234	36	305.1	319.2	306.0
652.9	3658	-2.5	-4.1	89	4.34	235	37	305.7	319.3	306.5
628.4	3962	-3.4	-6.6	78	3.72	235	40	308.1	320.0	308.8
624.0	4017	-3.5	-7.1	76	3.61	236	41	308.6	320.1	309.2
604.6	4267	-5.1	-8.2	79	3.44	240	43	309.5	320.6	310.1
600.0	4327	-5.5	-8.4	80	3.40	240	43	309.7	320.7	310.4
592.0	4432	-5.9	-10.8	68	2.85	240	43	310.4	319.7	311.0
577.0	4633	-7.5	-11.8	71	2.70	240	42	310.9	319.7	311.4
569.0	4742	-8.3	-14.3	62	2.23	240	42	311.1	318.6	311.6
566.0	4783	-8.3	-20.3	37	1.35	240	42	311.6	316.2	311.9
559.2	4877	-8.3	-27.1	20	0.75	240	42	312.7	315.4	312.8
559.0	4880	-8.3	-27.3	20	0.73	240	42	312.7	315.3	312.9
550.0	5006	-8.7	-26.7	22	0.79	244	42	313.7	316.5	313.9
547.0	5048	-8.5	-30.5	15	0.56	246	43	314.4	316.5	314.5
543.0	5105	-8.7	-28.7	18	0.66	247	43	314.9	317.2	315.0
539.0	5163	-8.7	-21.7	34	1.26	249	43	315.5	319.9	315.8
537.6	5182	-8.9	-21.1	36	1.33	250	43	315.5	320.1	315.8
532.0	5264	-9.7	-18.7	48	1.65	250	43	315.5	321.2	315.8
502.0	5710	-13.3	-21.3	51	1.40	250	45	316.4	321.3	316.7
500.0	5740	-13.5	-21.5	51	1.38	250	45	316.5	321.3	316.8
477.0	6097	-15.7	-24.7	46	1.09	250	53	318.1	321.9	318.3
467.0	6256	-16.7	-29.7	32	0.70	249	54	318.8	321.3	318.9
460.0	6370	-17.7	-27.7	41	0.86	248	54	318.9	322.0	319.1
450.0	6534	-18.9	-29.9	37	0.71	247	55	319.4	322.0	319.5
444.0	6634	-19.5	-33.5	28	0.51	246	55	319.9	321.8	320.0

423.0	6992	-22.5	-31.5	44	0.65	243	56	320.5	322.9	320.6
408.0	7256	-24.3	-36.3	32	0.42	241	57	321.5	323.1	321.6
400.0	7400	-25.3	-35.3	39	0.48	240	58	322.0	323.8	322.1
392.0	7546	-26.3	-37.3	35	0.40	243	58	322.6	324.1	322.7
388.0	7620	-26.8	-39.8	28	0.31	245	58	322.8	324.0	322.9
386.0	7658	-27.1	-41.1	25	0.27	245	58	322.9	324.0	323.0
379.0	7789	-28.3	-40.3	31	0.30	246	59	323.1	324.2	323.1
374.0	7884	-28.9	-35.9	51	0.48	247	59	323.5	325.3	323.6
369.0	7980	-29.7	-38.7	41	0.37	247	60	323.7	325.1	323.8
365.0	8058	-30.3	-38.3	46	0.39	248	60	323.9	325.4	324.0
359.0	8176	-30.3	-45.3	22	0.19	249	61	325.4	326.2	325.5
349.0	8376	-31.3	-47.3	19	0.15	250	61	326.7	327.3	326.7
343.0	8499	-31.5	-55.5	8	0.06	251	62	328.1	328.3	328.1
319.0	9007	-36.1	-52.1	18	0.10	254	64	328.6	329.0	328.6
313.0	9139	-37.3	-50.3	25	0.12	255	65	328.7	329.2	328.7
312.8	9144	-37.4	-50.2	25	0.12	255	65	328.7	329.2	328.7
304.0	9339	-39.3	-46.3	47	0.20	255	66	328.6	329.4	328.6
300.0	9430	-39.9	-47.9	42	0.17	255	66	329.0	329.7	329.1
294.0	9567	-41.1	-52.1	29	0.11	255	67	329.2	329.7	329.2
286.0	9752	-42.7	-55.7	23	0.07	255	69	329.5	329.8	329.6
285.9	9754	-42.7	-55.7	23	0.07	255	69	329.5	329.8	329.6
259.0	10409	-48.3	-59.3	27	0.05	251	65	330.8	331.0	330.8
257.0	10460	-48.5	-57.5	34	0.06	251	65	331.2	331.5	331.2
250.0	10640	-49.3	-62.3	20	0.04	250	64	332.6	332.8	332.6
249.0	10666	-49.5	-63.5	18	0.03	250	64	332.7	332.9	332.7
239.0	10934	-50.9	-64.9	17	0.03	251	65	334.5	334.6	334.5
229.0	11211	-53.3	-61.3	37	0.04	252	65	335.0	335.2	335.0
218.0	11526	-56.3	-64.3	36	0.03	254	66	335.1	335.2	335.1
205.9	11887	-58.5	-65.7	39	0.03	255	67	337.1	337.2	337.1
203.0	11977	-59.1	-66.1	40	0.03	255	66	337.6	337.7	337.6
200.0	12070	-59.1	-67.1	35	0.02	255	64	339.0	339.1	339.0
196.2	12192	-58.9	-66.9	35	0.02	260	63	341.2	341.3	341.2
196.0	12197	-58.9	-66.9	35	0.02	260	63	341.3	341.4	341.3
192.0	12327	-56.7	-68.7	21	0.02	257	61	346.8	346.9	346.8
187.0	12494	-57.1	-74.1	10	0.01	253	59	348.8	348.9	348.8
182.0	12666	-55.3	-77.3	5	0.01	250	57	354.5	354.5	354.5
172.0	13028	-53.7	-81.7	2	0.00	242	52	362.9	362.9	362.9
169.9	13106	-53.6	-82.0	2	0.00	240	51	364.3	364.3	364.3
157.0	13616	-52.9	-83.9	1	0.00	253	48	373.8	373.8	373.8
154.6	13716	-53.1	-84.1	1	0.00	255	48	375.1	375.1	375.1
150.0	13910	-53.5	-84.5	1	0.00	250	44	377.7	377.7	377.7
149.0	13953	-53.7	-84.7	1	0.00	250	44	378.1	378.1	378.1
146.0	14084	-52.1	-84.1	1	0.00	249	43	383.0	383.1	383.0
141.0	14310	-51.7	-83.7	1	0.00	249	41	387.6	387.6	387.6
136.0	14543	-52.3	-85.3	1	0.00	248	39	390.5	390.6	390.5
131.0	14786	-51.5	-83.5	1	0.00	247	37	396.2	396.2	396.2
126.0	15038	-52.7	-84.7	1	0.00	246	35	398.4	398.4	398.4
122.1	15240	-52.4	-85.1	1	0.00	245	33	402.5	402.5	402.5
120.0	15353	-52.3	-85.3	1	0.00	241	33	404.8	404.8	404.8
116.5	15545	-52.8	-85.0	1	0.00	235	32	407.2	407.2	407.2
116.0	15572	-52.9	-84.9	1	0.00	236	32	407.6	407.6	407.6
107.0	16093	-51.9	-84.9	1	0.00	258	22	419.0	419.0	419.0
106.0	16154	-52.2	-85.0	1	0.00	260	21	419.6	419.6	419.6
103.0	16339	-53.1	-85.1	1	0.00	238	19	421.3	421.3	421.3
102.0	16402	-52.5	-85.5	1	0.00	230	18	423.6	423.6	423.6
100.0	16530	-52.9	-84.9	1	0.00	215	16	425.2	425.3	425.2

Station information and sounding indices

Station identifier: UIL

Station number: 72797
Observation time: 150725/0000
Station latitude: 47.95
Station longitude: -124.55
Station elevation: 62.0
Showalter index: 4.15
Lifted index: 5.69
LIFT computed using virtual temperature: 5.64
SWEAT index: 208.50
K index: 15.70
Cross totals index: 21.30
Vertical totals index: 21.90
Totals totals index: 43.20
Convective Available Potential Energy: 0.61
CAPE using virtual temperature: 1.63
Convective Inhibition: 0.00
CINS using virtual temperature: 0.00
Equilibrium Level: 934.86
Equilibrium Level using virtual temperature: 925.90
Level of Free Convection: 963.95
LFCT using virtual temperature: 963.95
Bulk Richardson Number: 0.01
Bulk Richardson Number using CAPV: 0.02
Temp [K] of the Lifted Condensation Level: 285.53
Pres [hPa] of the Lifted Condensation Level: 963.95
Mean mixed layer potential temperature: 288.55
Mean mixed layer mixing ratio: 9.48
1000 hPa to 500 hPa thickness: 5581.00
Precipitable water [mm] for entire sounding: 29.38

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:Larry.Oolman@uwyo.edu)
