

72768 GGW Glasgow Observations at 00Z 26 Jul 2015

PRES hPa	HGHT m	TEMP C	DWPT C	RELH %	MIXR g/kg	DRCT deg	SKNT knot	THTA K	THTE K	THTV K
1000.0	46									
929.0	700	33.4	4.4	16	5.67	260	7	313.1	331.2	314.1
925.0	736	32.2	6.2	20	6.47	275	7	312.2	332.7	313.4
916.0	823	30.4	5.4	21	6.17	277	8	311.3	330.8	312.4
906.7	914	29.4	4.7	21	5.95	280	10	311.2	330.0	312.3
886.0	1118	27.2	3.2	21	5.46	273	9	310.9	328.3	311.9
875.9	1219	26.3	3.1	22	5.48	270	8	311.0	328.4	312.0
850.0	1482	23.8	2.8	25	5.54	260	9	311.1	328.6	312.1
816.0	1829	20.4	1.5	28	5.27	255	13	311.1	327.9	312.1
787.1	2134	17.5	0.4	32	5.04	245	15	311.2	327.2	312.1
759.5	2438	14.5	-0.7	35	4.82	235	17	311.2	326.6	312.1
732.6	2743	11.6	-1.8	39	4.60	255	13	311.2	325.9	312.0
700.0	3130	7.8	-3.2	46	4.34	255	16	311.1	325.0	311.9
691.0	3237	6.8	-3.2	49	4.39	255	17	311.1	325.2	312.0
656.2	3658	3.2	-6.0	51	3.73	255	23	311.7	323.8	312.4
645.0	3798	2.0	-7.0	51	3.52	256	24	311.9	323.3	312.5
623.0	4078	1.2	-12.8	34	2.30	258	26	314.1	321.8	314.5
608.3	4267	-0.5	-14.2	35	2.10	260	27	314.3	321.4	314.7
585.4	4572	-3.1	-16.5	35	1.81	250	30	314.6	320.8	315.0
566.0	4840	-5.5	-18.5	35	1.58	254	28	314.9	320.3	315.2
563.3	4877	-5.8	-18.7	35	1.56	255	28	315.0	320.4	315.3
500.6	5791	-12.6	-23.6	39	1.14	265	20	317.5	321.5	317.7
500.0	5800	-12.7	-23.7	39	1.14	260	21	317.5	321.5	317.7
499.0	5815	-12.7	-23.7	39	1.14	260	21	317.7	321.7	317.9
480.9	6096	-14.7	-27.0	34	0.87	255	22	318.6	321.7	318.8
472.0	6238	-15.7	-28.7	32	0.76	246	21	319.1	321.8	319.2
461.9	6401	-17.2	-29.2	34	0.74	235	20	319.1	321.8	319.3
442.0	6730	-20.3	-30.3	40	0.70	248	24	319.3	321.8	319.4
426.0	7004	-20.1	-43.1	11	0.20	260	27	322.9	323.7	323.0
425.7	7010	-20.1	-43.4	11	0.19	260	27	323.0	323.7	323.0
415.0	7198	-20.9	-52.9	4	0.07	256	28	324.3	324.6	324.3
400.0	7470	-22.1	-55.1	3	0.05	250	30	326.2	326.4	326.2
395.0	7562	-22.5	-51.5	5	0.08	247	30	326.8	327.2	326.9
391.9	7620	-23.0	-51.6	5	0.08	245	30	326.9	327.2	326.9
371.0	8017	-26.7	-52.7	7	0.08	243	31	327.2	327.5	327.2
361.0	8213	-28.3	-58.3	4	0.04	242	32	327.6	327.8	327.6
345.0	8534	-30.9	-53.3	9	0.08	240	33	328.4	328.7	328.4
334.0	8764	-32.7	-49.7	17	0.12	242	36	328.9	329.4	328.9
316.3	9144	-35.4	-53.8	13	0.08	245	40	330.4	330.7	330.4
309.0	9307	-36.5	-55.5	12	0.07	245	40	331.0	331.3	331.0
300.0	9510	-38.5	-60.5	8	0.04	245	41	331.0	331.1	331.0
285.0	9859	-41.7	-58.7	14	0.05	246	42	331.3	331.5	331.3
269.0	10247	-44.9	-50.9	51	0.13	248	42	332.1	332.7	332.2
250.0	10730	-49.3	-56.3	44	0.07	250	43	332.6	333.0	332.6
234.0	11161	-53.1	-61.1	37	0.04	253	49	333.2	333.4	333.2
219.1	11582	-57.0	-64.1	40	0.03	255	54	333.5	333.7	333.5
218.0	11614	-57.3	-64.3	41	0.03	255	54	333.6	333.7	333.6
213.0	11762	-56.5	-65.5	31	0.03	257	54	337.0	337.1	337.0
206.0	11973	-58.1	-69.1	23	0.02	260	54	337.7	337.8	337.7
200.0	12160	-58.3	-70.3	20	0.01	260	52	340.3	340.4	340.3
194.0	12352	-57.3	-70.3	18	0.02	257	53	344.9	344.9	344.9
191.0	12451	-55.1	-70.1	14	0.02	255	53	349.9	350.0	349.9
186.0	12621	-54.1	-75.1	6	0.01	253	54	354.2	354.2	354.2

178.0	12903	-54.3	-82.3	2	0.00	248	55	358.4	358.4	358.4
173.0	13086	-53.5	-84.5	1	0.00	245	56	362.6	362.6	362.6
172.5	13106	-53.5	-84.6	1	0.00	245	56	362.8	362.9	362.8
159.0	13627	-54.9	-86.9	1	0.00	251	46	369.1	369.1	369.1
150.0	14000	-54.9	-86.9	1	0.00	255	39	375.3	375.3	375.3
149.5	14021	-54.9	-87.1	1	0.00	250	34	375.7	375.7	375.7
148.0	14086	-54.7	-87.7	1	0.00	249	35	377.1	377.1	377.1
140.0	14440	-57.1	-89.1	1	0.00	247	42	378.9	378.9	378.9
136.0	14623	-57.1	-89.1	1	0.00	245	45	382.1	382.1	382.1
135.9	14630	-57.1	-89.1	1	0.00	245	45	382.1	382.1	382.1
131.0	14860	-58.1	-90.1	1	0.00	245	43	384.4	384.4	384.4
128.0	15006	-57.9	-89.9	1	0.00	245	41	387.3	387.3	387.3
125.0	15156	-56.5	-88.5	1	0.00	245	40	392.4	392.5	392.4
123.4	15240	-56.7	-88.7	1	0.00	245	39	393.6	393.6	393.6
121.0	15363	-56.9	-88.9	1	0.00	245	39	395.4	395.4	395.4
115.0	15687	-54.5	-87.5	1	0.00	243	38	405.6	405.6	405.6
111.0	15913	-55.5	-87.5	1	0.00	242	38	407.9	407.9	407.9
109.0	16030	-54.9	-86.9	1	0.00	242	38	411.1	411.1	411.1
107.0	16148	-55.3	-87.3	1	0.00	242	38	412.6	412.6	412.6
104.0	16330	-54.9	-86.9	1	0.00	241	37	416.7	416.7	416.7
100.0	16580	-56.3	-88.3	1	0.00	240	37	418.7	418.7	418.7
91.9	17114	-57.5	-89.5	1	0.00	299	23	426.5	426.5	426.5
84.9	17618	-54.1	-87.1	1	0.00	355	10	443.2	443.2	443.2
80.2	17983	-54.8	-87.5	1	0.00	35	1	449.0	449.0	449.0
76.4	18288	-55.4	-87.8	1	0.00	145	6	453.9	453.9	453.9
72.9	18593	-56.0	-88.1	1	0.00	210	11	458.8	458.8	458.8
72.6	18617	-56.1	-88.1	1	0.00	211	11	459.2	459.2	459.2
71.0	18759	-54.1	-87.1	1	0.00	220	14	466.4	466.4	466.4
70.0	18850	-54.3	-87.3	1	0.00	225	16	467.9	467.9	467.9
69.5	18898	-54.3	-87.3	1	0.00	220	17	468.9	468.9	468.9
63.2	19507	-54.3	-87.3	1	0.00	0	0	481.8	481.8	481.8
60.2	19812	-54.3	-87.3	1	0.00	175	15	488.4	488.4	488.4
59.0	19942	-54.3	-87.3	1	0.00	179	13	491.3	491.3	491.3
57.4	20117	-53.6	-86.8	1	0.00	185	11	496.7	496.7	496.7
54.8	20422	-52.4	-85.9	1	0.00	180	12	506.2	506.2	506.2
52.2	20726	-51.2	-85.0	1	0.01	0	0	515.8	515.9	515.8
50.8	20907	-50.5	-84.5	1	0.01	64	1	521.6	521.7	521.6
50.0	21010	-50.7	-84.7	1	0.01	100	2	523.5	523.6	523.5
47.5	21336	-51.0	-84.8	1	0.01	45	2	530.5	530.5	530.5
37.1	22950	-52.3	-85.3	1	0.01	95	3	566.0	566.1	566.0
32.7	23774	-49.6	-83.8	1	0.01	120	3	594.0	594.1	594.0
31.2	24079	-48.6	-83.2	1	0.01	70	13	604.7	604.8	604.7
30.0	24340	-47.7	-82.7	1	0.01	90	8	614.0	614.1	614.0
29.8	24384	-47.5	-82.6	1	0.01	80	8	615.6	615.7	615.6
28.5	24689	-46.4	-81.8	1	0.02	65	11	626.8	627.0	626.8
26.1	25265	-44.3	-80.3	1	0.02	98	19	648.5	648.8	648.5
26.0	25298	-44.4	-80.4	1	0.02	100	19	649.2	649.4	649.2
23.7	25908	-46.4	-81.5	1	0.02	85	24	660.5	660.8	660.5
23.6	25935	-46.5	-81.5	1	0.02	87	24	661.1	661.3	661.1
22.6	26213	-45.5	-80.9	1	0.03	110	27	672.0	672.3	672.0
21.6	26518	-44.4	-80.2	1	0.03	115	19	684.2	684.5	684.2
21.4	26587	-44.1	-80.1	1	0.03	112	19	687.0	687.3	687.0
20.7	26822	-44.1	-80.1	1	0.03	100	19	693.9	694.2	693.9
20.0	27040	-44.1	-80.1	1	0.03	120	18	700.4	700.8	700.4
19.7	27141	-44.5	-80.5	1	0.03	138	12	702.2	702.5	702.2
19.7	27127	-44.4	-80.4	1	0.03	140	12	702.0	702.3	702.0
18.9	27432	-43.8	-79.8	1	0.04	95	14	713.2	713.6	713.2
18.0	27737	-43.0	-79.0	1	0.04	100	12	724.9	725.4	724.9
16.9	28174	-41.9	-77.9	1	0.06	82	16	742.0	742.6	742.0
16.5	28346	-42.3	-78.3	1	0.05	75	17	746.1	746.6	746.1
15.8	28651	-43.0	-79.0	1	0.05	85	27	753.4	753.9	753.4

15.5	28759	-43.3	-79.3	1	0.05	90	25	756.0	756.5	756.0
14.4	29261	-41.7	-77.7	1	0.07	115	14	777.5	778.3	777.6
14.4	29256	-41.7	-77.7	1	0.07	115	14	777.4	778.2	777.4
13.8	29566	-42.0	-78.0	1	0.07	65	16	786.8	787.5	786.8
13.2	29870	-42.2	-78.2	1	0.07	90	25	796.1	796.9	796.1
12.9	30002	-42.3	-78.3	1	0.07	87	23	800.1	800.9	800.2
12.0	30480	-40.1	-77.0	1	0.09	75	15	824.0	825.1	824.1
11.0	31091	-37.3	-75.3	1	0.13	75	15	855.5	857.1	855.6
11.0	31090	-37.3	-75.3	1	0.13	75	15	855.5	857.0	855.5
10.5	31394	-37.3	-75.3	1	0.13	80	32	866.3	868.0	866.4
10.0	31750	-37.3	-75.3	1	0.14	100	28	879.1	880.9	879.2
9.6	32004	-37.5	-75.5	1	0.14	100	19	887.5	889.4	887.6
9.4	32177	-37.7	-75.7	1	0.14	97	20	893.3	895.1	893.4
8.9	32556	-35.3	-73.3	1	0.21	89	21	916.6	919.4	916.7
7.7	33566	-34.3	-73.3	1	0.24			959.4	962.8	959.5
7.7	33528	-34.3	-73.3	1	0.24	70	24	957.7	961.1	957.9

Station information and sounding indices

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Station identifier: GGW
Station number: 72768
Observation time: 150726/0000
Station latitude: 48.21
Station longitude: -106.61
Station elevation: 700.0
Showalter index: -0.71
Lifted index: -1.31
LIFT computed using virtual temperature: -1.64
SWEAT index: 132.59
K index: 28.30
Cross totals index: 15.50
Vertical totals index: 36.50
Totals totals index: 52.00
Convective Available Potential Energy: 106.07
CAPE using virtual temperature: 149.41
Convective Inhibition: -46.63
CINS using virtual temperature: -25.68
Equilibrium Level: 421.96
Equilibrium Level using virtual temperature: 417.76
Level of Free Convection: 568.36
LFCT using virtual temperature: 580.93
Bulk Richardson Number: 7.43
Bulk Richardson Number using CAPV: 10.47
Temp [K] of the Lifted Condensation Level: 272.48
Pres [hPa] of the Lifted Condensation Level: 627.48
Mean mixed layer potential temperature: 311.30
Mean mixed layer mixing ratio: 5.87
1000 hPa to 500 hPa thickness: 5754.00
Precipitable water [mm] for entire sounding: 17.88

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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:Larry.Oolman@uwyo.edu)

