

72768 GGW Glasgow Observations at 12Z 09 Feb 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	159									
936.0	700	-3.7	-3.8	99	3.10	105	12	274.6	283.2	275.1
925.0	790	-4.9	-5.0	99	2.86	110	15	274.3	282.3	274.8
910.5	914	-5.8	-5.9	99	2.71	140	14	274.6	282.2	275.1
909.0	927	-5.9	-6.0	99	2.70	142	14	274.6	282.2	275.1
906.0	953	-4.3	-4.3	100	3.08	145	13	276.5	285.2	277.1
900.0	1006	2.4	1.5	94	4.76	152	13	284.0	297.5	284.8
898.0	1024	3.4	2.2	92	5.02	155	13	285.2	299.5	286.1
883.0	1161	4.4	-0.6	70	4.17	173	11	287.6	299.7	288.3
876.8	1219	5.0	-0.8	66	4.13	180	10	288.8	300.9	289.5
860.0	1377	6.6	-1.4	57	4.03	189	13	292.1	304.1	292.8
850.0	1473	5.6	-1.4	61	4.08	195	14	292.0	304.1	292.7
829.0	1677	3.8	-1.2	70	4.25	204	16	292.2	304.8	292.9
813.5	1829	2.6	-2.1	71	4.06	210	17	292.5	304.6	293.3
783.4	2134	0.3	-3.8	74	3.70	225	15	293.2	304.3	293.9
782.0	2148	0.2	-3.9	74	3.68	225	15	293.2	304.3	293.9
754.0	2438	-1.7	-6.9	68	3.04	230	14	294.2	303.5	294.8
732.0	2674	-3.3	-9.3	63	2.59	253	13	295.0	303.0	295.5
725.7	2743	-3.5	-10.9	57	2.30	260	13	295.5	302.7	295.9
714.0	2871	-3.9	-13.9	46	1.84	265	18	296.4	302.3	296.8
701.0	3016	-4.7	-16.7	39	1.48	270	23	297.1	301.9	297.4
700.0	3027	-4.7	-16.7	39	1.49	270	23	297.2	302.0	297.5
683.0	3220	-6.1	-14.1	53	1.89	276	22	297.8	303.8	298.1
673.0	3335	-4.9	-31.9	10	0.40	280	22	300.4	301.8	300.5
655.0	3547	-5.9	-34.9	8	0.30	286	21	301.6	302.7	301.6
645.7	3658	-6.5	-38.3	6	0.22	290	20	302.1	302.9	302.1
635.0	3789	-7.3	-42.3	4	0.15	289	22	302.7	303.2	302.7
620.0	3974	-8.7	-22.7	31	1.00	287	25	303.1	306.5	303.3
596.8	4267	-10.9	-24.9	31	0.86	285	30	304.0	306.9	304.1
588.0	4381	-11.7	-25.7	30	0.81	283	30	304.3	307.1	304.4
580.0	4486	-12.7	-22.7	43	1.07	281	30	304.3	307.9	304.5
568.0	4645	-14.3	-22.3	51	1.13	279	29	304.2	308.1	304.5
563.0	4711	-14.3	-18.7	69	1.56	278	29	305.0	310.2	305.3
556.0	4806	-14.3	-19.3	66	1.50	276	29	306.1	311.1	306.4
550.8	4877	-14.9	-19.7	67	1.47	275	29	306.2	311.1	306.5
524.0	5252	-18.1	-21.7	73	1.29	272	32	306.8	311.1	307.0
503.0	5556	-19.7	-24.0	69	1.10	270	35	308.4	312.2	308.6
500.0	5600	-19.5	-24.2	66	1.09	270	35	309.2	312.9	309.4

484.0	5842	-20.7	-27.7	53	0.82	275	34	310.6	313.5	310.8
467.6	6096	-22.4	-27.4	64	0.87	280	33	311.5	314.6	311.7
467.0	6106	-22.5	-27.4	64	0.87	280	33	311.6	314.6	311.7
450.0	6378	-23.7	-33.7	39	0.50	285	33	313.4	315.2	313.5
448.6	6401	-23.9	-33.6	40	0.50	285	33	313.4	315.3	313.6
430.2	6706	-26.0	-32.4	55	0.59	275	39	314.5	316.6	314.6
428.0	6744	-26.3	-32.3	57	0.60	275	39	314.6	316.8	314.7
410.0	7053	-28.9	-34.9	56	0.48	278	38	315.1	316.9	315.2
400.0	7230	-30.3	-36.3	56	0.43	280	38	315.5	317.1	315.6
393.0	7356	-31.5	-37.5	55	0.39	282	41	315.6	317.0	315.6
380.0	7593	-32.9	-40.9	45	0.28	285	46	316.8	317.8	316.8
378.6	7620	-33.1	-41.1	45	0.28	285	47	316.8	317.8	316.8
371.0	7762	-34.5	-42.5	44	0.24	285	48	316.8	317.8	316.9
366.0	7857	-35.1	-44.1	39	0.21	285	48	317.2	318.1	317.3
359.0	7991	-36.3	-47.3	31	0.15	285	49	317.4	318.0	317.4
342.0	8326	-39.5	-48.5	38	0.14	285	50	317.5	318.0	317.5
331.0	8550	-41.3	-51.3	33	0.10	285	51	318.0	318.4	318.0
303.0	9144	-46.7	-55.8	35	0.07	285	54	318.5	318.8	318.5
300.0	9210	-47.3	-56.3	35	0.06	285	54	318.6	318.8	318.6
298.0	9254	-47.9	-56.9	35	0.06	285	55	318.3	318.6	318.4
276.0	9751	-52.7	-57.0	59	0.06	285	61	318.5	318.7	318.5
260.0	10132	-55.3	-61.3	47	0.04	285	66	320.1	320.3	320.1
254.0	10280	-55.9	-62.9	41	0.03	285	68	321.4	321.5	321.4
250.7	10363	-55.4	-63.2	37	0.03	285	69	323.3	323.5	323.3
250.0	10380	-55.3	-63.3	36	0.03	285	66	323.7	323.9	323.7
249.0	10406	-55.3	-63.3	36	0.03	285	65	324.1	324.2	324.1
239.0	10668	-56.5	-68.6	20	0.02	280	60	326.2	326.2	326.2
237.0	10722	-56.7	-69.7	18	0.01	280	60	326.6	326.6	326.6
232.0	10858	-55.1	-70.1	14	0.01	275	64	331.0	331.1	331.0
227.9	10973	-54.8	-73.0	9	0.01	270	67	333.2	333.2	333.2
222.0	11142	-54.3	-77.3	4	0.00	271	74	336.4	336.5	336.4
218.0	11260	-52.3	-80.3	2	0.00	272	79	341.3	341.3	341.3
207.5	11582	-52.5	-83.6	1	0.00	275	92	345.8	345.8	345.8
201.0	11788	-52.7	-85.7	1	0.00	275	93	348.7	348.7	348.7
200.0	11820	-52.5	-85.5	1	0.00	275	93	349.5	349.5	349.5
191.0	12117	-51.3	-84.3	1	0.00	274	92	356.0	356.0	356.0
182.0	12430	-51.5	-84.5	1	0.00	273	91	360.6	360.6	360.6
172.0	12794	-53.7	-86.7	1	0.00	272	89	362.9	362.9	362.9
156.2	13411	-53.7	-86.7	1	0.00	270	87	373.0	373.0	373.0
153.0	13543	-53.7	-86.7	1	0.00	270	94	375.2	375.2	375.2
150.0	13670	-54.5	-87.5	1	0.00	270	100	376.0	376.0	376.0
148.9	13716	-54.4	-87.4	1	0.00	270	100	377.0	377.0	377.0
147.0	13799	-54.1	-87.1	1	0.00	271	95	378.8	378.9	378.8
145.0	13887	-51.7	-84.7	1	0.00	273	89	384.5	384.5	384.5
143.0	13977	-50.9	-84.9	1	0.00	274	83	387.4	387.4	387.4
142.1	14021	-50.8	-84.8	1	0.00	275	80	388.3	388.3	388.3

136.0	14304	-50.3	-84.3	1	0.00	280	74	394.1	394.1	394.1
131.0	14547	-51.1	-85.1	1	0.00	284	69	396.9	396.9	396.9
117.5	15240	-57.0	-88.7	1	0.00	295	55	398.4	398.4	398.4
114.0	15434	-58.7	-89.7	1	0.00	290	54	398.8	398.8	398.8
110.0	15658	-59.1	-90.1	1	0.00	285	54	402.2	402.2	402.2
105.0	15947	-61.3	-92.3	1	0.00	278	53	403.4	403.4	403.4
103.0	16067	-60.5	-91.5	1	0.00	275	53	407.1	407.1	407.1
100.0	16250	-61.3	-92.3	1	0.00	270	52	409.0	409.0	409.0
91.8	16779	-63.5	-93.5	1	0.00	285	49	414.8	414.8	414.8
79.7	17654	-61.1	-92.1	1	0.00	279	35	436.8	436.8	436.8
73.9	18122	-62.7	-92.7	1	0.00	276	28	443.0	443.0	443.0
72.0	18288	-60.5	-91.2	1	0.00	275	25	451.0	451.0	451.0
70.9	18380	-59.3	-90.3	1	0.00	275	25	455.5	455.5	455.5
70.0	18460	-59.7	-90.7	1	0.00	275	25	456.3	456.3	456.3
62.1	19202	-61.9	-92.1	1	0.00	275	11	467.3	467.3	467.3
60.1	19408	-62.5	-92.5	1	0.00	268	14	470.4	470.4	470.4
56.3	19812	-60.0	-90.9	1	0.00	255	19	484.8	484.8	484.8
55.8	19870	-59.7	-90.7	1	0.00	258	20	486.9	486.9	486.9
53.6	20117	-60.4	-91.4	1	0.00	270	22	490.8	490.8	490.8
52.7	20227	-60.7	-91.7	1	0.00	274	20	492.6	492.6	492.6
50.2	20534	-54.5	-87.5	1	0.00	284	15	514.0	514.0	514.0
50.0	20560	-54.5	-87.5	1	0.00	285	15	514.6	514.6	514.6
48.7	20726	-55.1	-87.8	1	0.00	285	14	517.0	517.0	517.0
44.2	21336	-57.5	-89.1	1	0.00	285	11	525.7	525.7	525.7
42.2	21641	-58.6	-89.8	1	0.00	330	18	530.1	530.1	530.1
41.7	21710	-58.9	-89.9	1	0.00	323	18	531.1	531.1	531.1
40.2	21946	-58.5	-89.9	1	0.00	300	16	537.9	537.9	537.9
38.1	22277	-57.9	-89.9	1	0.00	289	9	547.5	547.5	547.5
36.5	22555	-58.5	-90.0	1	0.00	280	4	553.0	553.0	553.0
34.8	22846	-59.1	-90.1	1	0.00	304	6	558.7	558.8	558.7
31.9	23394	-57.3	-89.3	1	0.00	349	10	577.6	577.7	577.6
31.5	23470	-57.6	-89.4	1	0.00	355	11	578.8	578.8	578.8
30.0	23780	-58.9	-89.9	1	0.00	345	8	583.5	583.5	583.5
29.3	23928	-59.5	-90.5	1	0.00	335	10	585.8	585.8	585.8
28.6	24079	-59.4	-90.4	1	0.00	325	12	590.1	590.1	590.1
27.2	24384	-59.2	-90.2	1	0.00	5	13	598.9	599.0	598.9
26.4	24580	-59.1	-90.1	1	0.00	24	15	604.6	604.7	604.6
25.9	24689	-58.6	-89.9	1	0.00	35	16	609.0	609.0	609.0
24.7	24994	-57.3	-89.2	1	0.01	20	18	621.2	621.2	621.2
24.5	25050	-57.1	-89.1	1	0.01	24	18	623.4	623.5	623.4
22.4	25603	-57.5	-89.5	1	0.01	60	23	638.0	638.1	638.0
20.7	26113	-57.9	-89.9	1	0.01	52	26	651.8	651.8	651.8
20.4	26213	-57.6	-89.6	1	0.01	50	26	655.6	655.6	655.6
20.0	26330	-57.3	-89.3	1	0.01	50	27	660.0	660.1	660.0
19.2	26589	-55.5	-87.5	1	0.01	55	27	673.4	673.5	673.4
18.3	26894	-56.1	-88.1	1	0.01	61	26	680.8	680.9	680.8

17.7	27107	-54.5	-87.5	1	0.01	65	26	692.4	692.5	692.4
17.6	27127	-54.5	-87.5	1	0.01	65	26	693.0	693.1	693.0
16.8	27432	-54.2	-87.2	1	0.01	55	24	703.5	703.6	703.5
16.1	27737	-53.9	-86.9	1	0.01	40	33	714.0	714.2	714.0
14.6	28346	-53.3	-86.3	1	0.02	65	43	735.7	735.9	735.7
14.6	28343	-53.3	-86.3	1	0.02	65	43	735.5	735.7	735.5
13.7	28756	-49.7	-83.7	1	0.03	78	34	761.3	761.6	761.3
13.3	28956	-49.8	-83.8	1	0.03	85	29	767.6	768.0	767.6
12.7	29261	-50.0	-84.0	1	0.03	75	23	777.4	777.8	777.4
12.1	29567	-50.1	-84.1	1	0.03	65	29	787.4	787.7	787.4
11.8	29732	-47.1	-82.1	1	0.04	59	32	803.7	804.2	803.7
11.6	29870	-47.7	-82.3	1	0.04	55	34	806.2	806.7	806.2
11.2	30077	-48.7	-82.7	1	0.04	62	46	810.0	810.5	810.0
11.0	30195	-46.7	-81.7	1	0.05	65	52	821.4	822.0	821.5
11.0	30175	-47.0	-81.9	1	0.04	65	52	819.5	820.0	819.5
10.7	30379	-47.3	-82.3	1	0.04	68	49	825.8	826.3	825.8
10.5	30480	-46.4	-81.6	1	0.05	70	48	832.8	833.4	832.9
10.1	30785	-43.5	-79.4	1	0.07	65	32	854.3	855.2	854.4
10.0	30830	-43.1	-79.1	1	0.08	65	31	857.5	858.5	857.6
9.9	30898	-42.7	-78.7	1	0.08	65	32	861.5	862.6	861.5
9.4	31247	-43.7	-79.7	1	0.07	65	36	870.5	871.5	870.6
8.8	31699	-43.0	-79.0	1	0.09	65	41	890.1	891.3	890.2
8.7	31767	-42.9	-78.9	1	0.09			893.1	894.3	893.2

Station information and sounding indices

Station identifier: GGW

Station number: 72768

Observation time: 150209/1200

Station latitude: 48.21

Station longitude: -106.61

Station elevation: 700.0

Showalter index: 6.67

Lifted index: 17.10

LIFT computed using virtual temperature: 17.22

SWEAT index: 63.01

K index: 11.70

Cross totals index: 18.10

Vertical totals index: 25.10

Totals totals index: 43.20

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: 270.29
Pres [hPa] of the Lifted Condensation Level: 888.70
Mean mixed layer potential temperature: 279.60
Mean mixed layer mixing ratio: 3.59
1000 hPa to 500 hPa thickness: 5441.00
Precipitable water [mm] for entire sounding: 11.26

Description of the [data columns](#) or [sounding indices](#).

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