Appendix A

Background images are ^{13}CO JCMT HARP intensity integrated images, integrated over the unique peak velocity range (listed in Table 2 of each source, for all observed targets with available C^{18}O maps. C^{18}O is contoured in multiples of integrated noise RMS, ϕ (values in K kms^{-1} given in Table 1), with step-sizes usually 2ϕ, but indicated in brackets if a different step size is used. The lowest level contour is manually selected for each image, because every image has a unique signal-to-noise and background structure. These lowest level contours range between 3ϕ and 14ϕ.

The purple star shows the maser coordinate, while the green circle indicates the coordinate of peak intensity emission as detected by *ClumpFind*, described in §3.1.

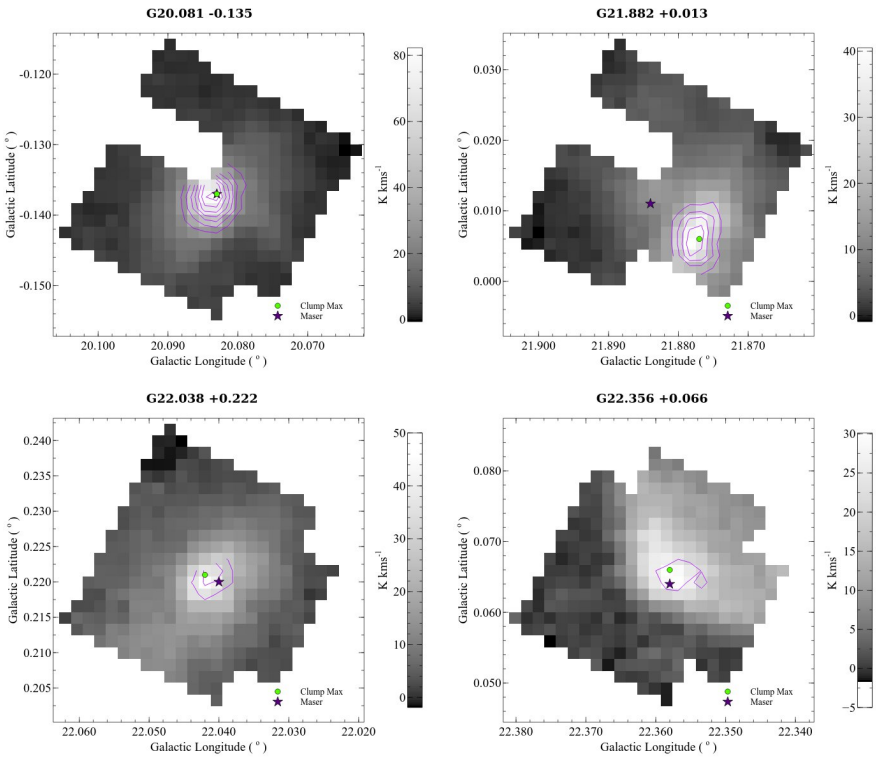

Figure A-1: Intensity integrated ^{13}CO background with intensity integrated C^{18}O contoured in multiples in of the integrated noise RMS, ϕ as given in Table 1, with step-sizes usually 2ϕ, but indicated in brackets if otherwise. Targets toward maser coordinates, indicated by the purple star, listed as rows of two from top to bottom: G 20.081-0.135 (4ϕ) and G 21.882+0.013; G 22.038+0.222 and G 22.356+0.066. The green circle indicates the coordinate of peak ^{13}CO intensity emission.

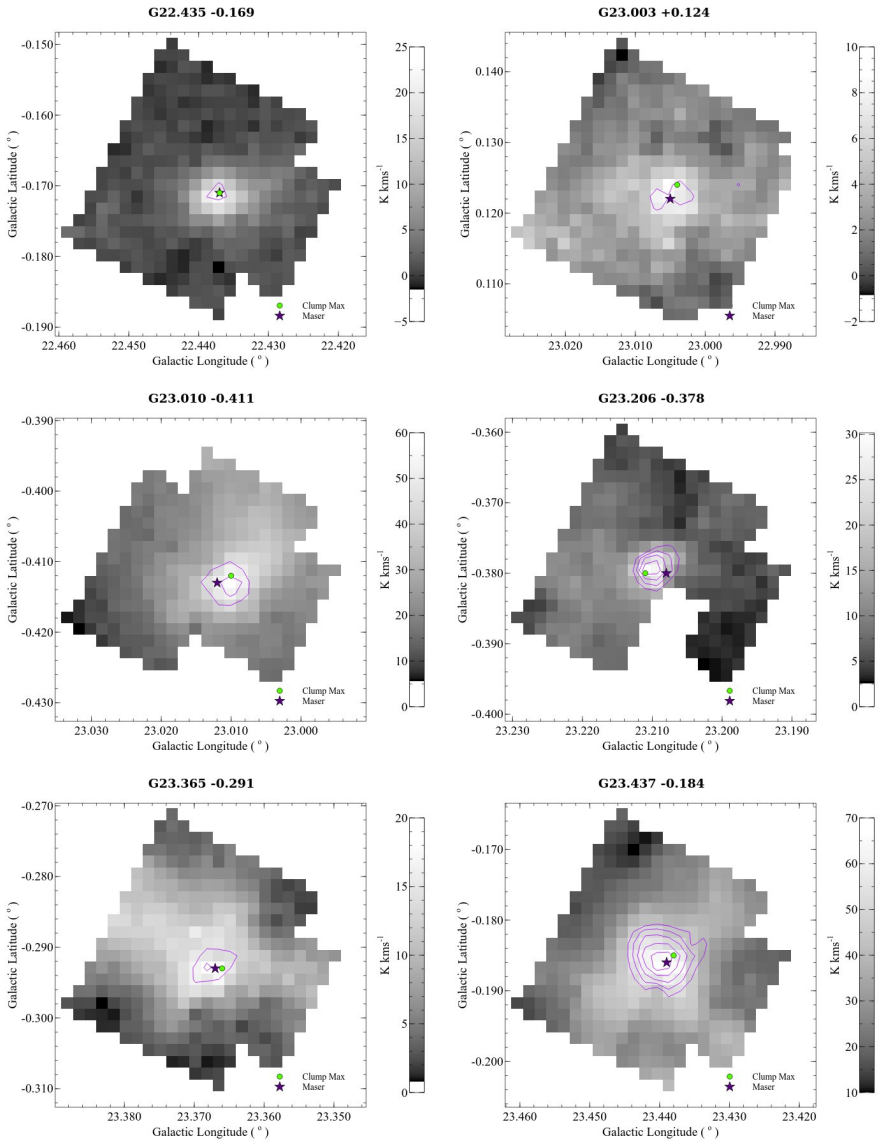

Figure A-1: – *continued* for rows of two from top to bottom: G 22.435-0.169 and G 23.003+0.124; G 23.010-0.411 and G 23.206-0.378; G 23.365-0.291 and G 23.437-0.184.

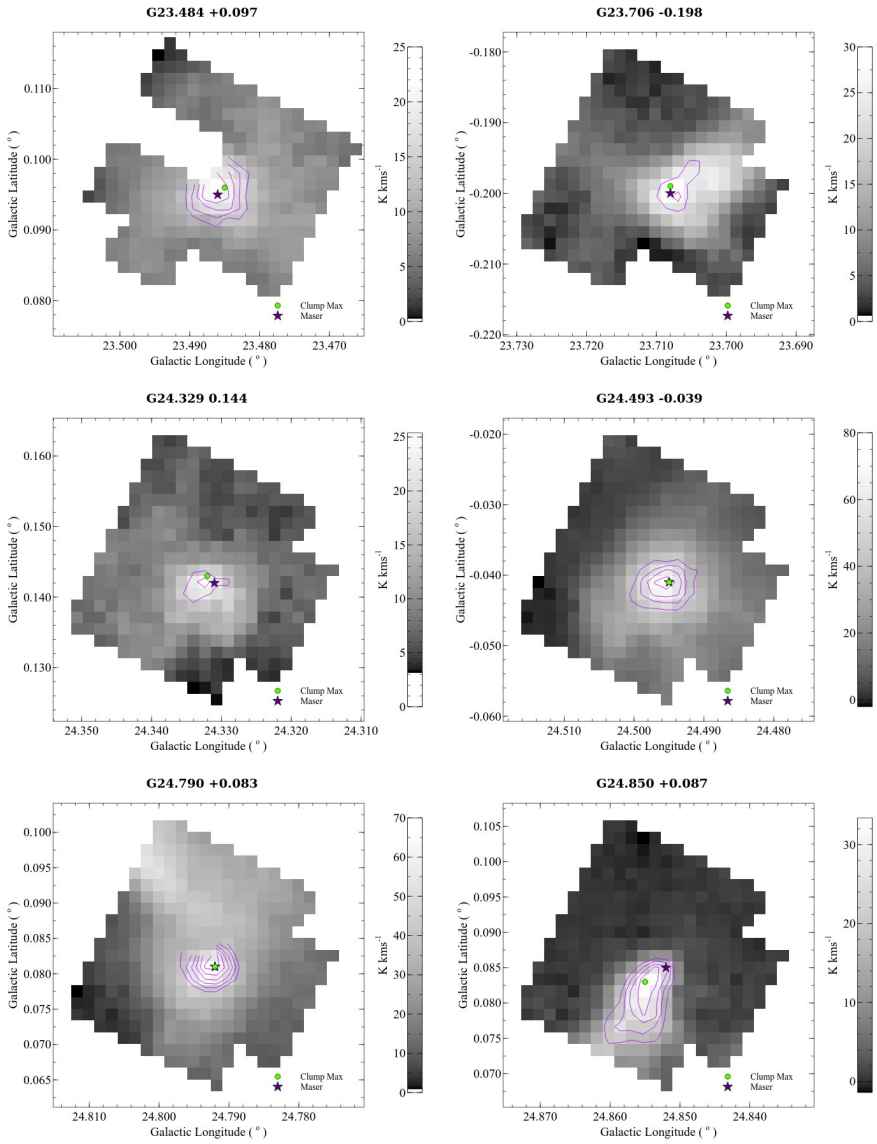

Figure A-1: – *continued* for rows of two from top to bottom: G 23.484+0.097 and G 23.706-0.198; G 24.329+0.144 and G 24.493-0.039; G 24.790+0.083A and G 24.850+0.087.

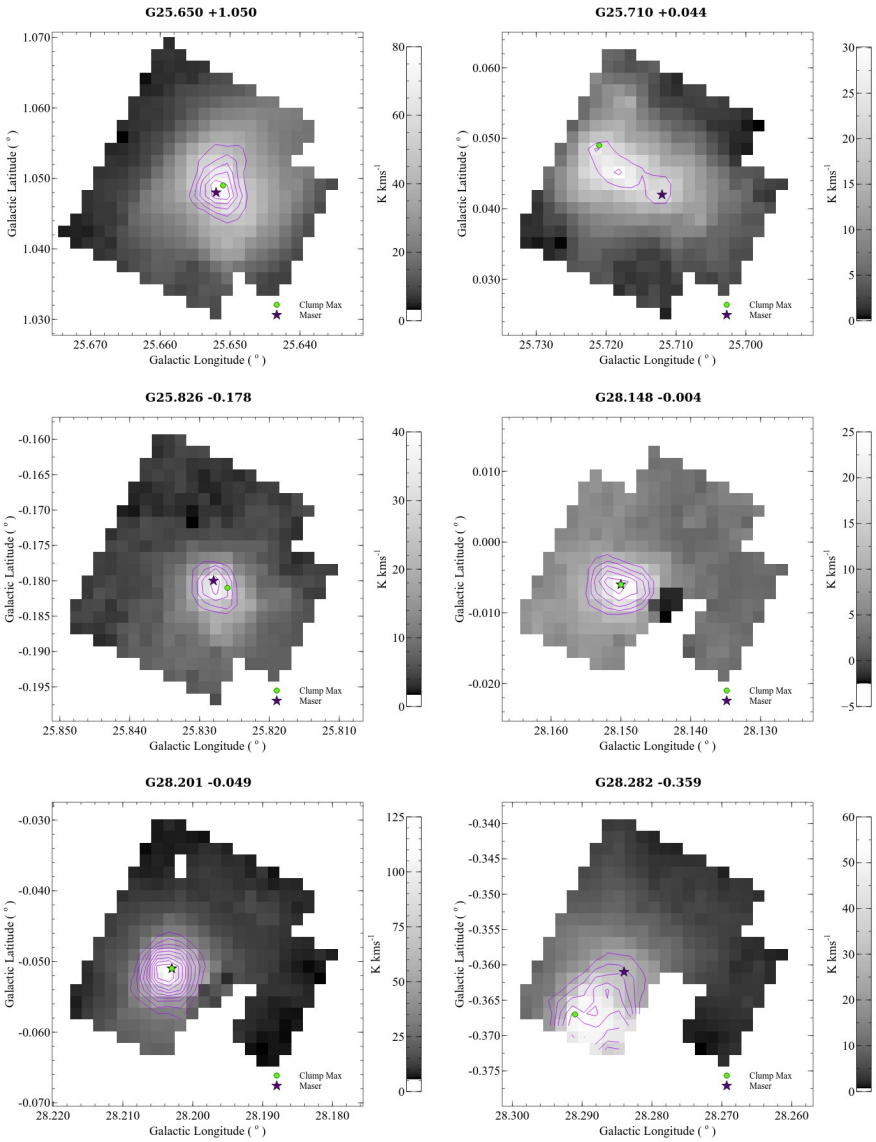

Figure A-1: – *continued* for rows of two from top to bottom: G 25.650+1.050 and G 25.710+0.044; G 25.826-0.178 and G 28.148+0.004; G 28.201-0.049 (4ϕ) and G 28.282-0.359 (4ϕ).

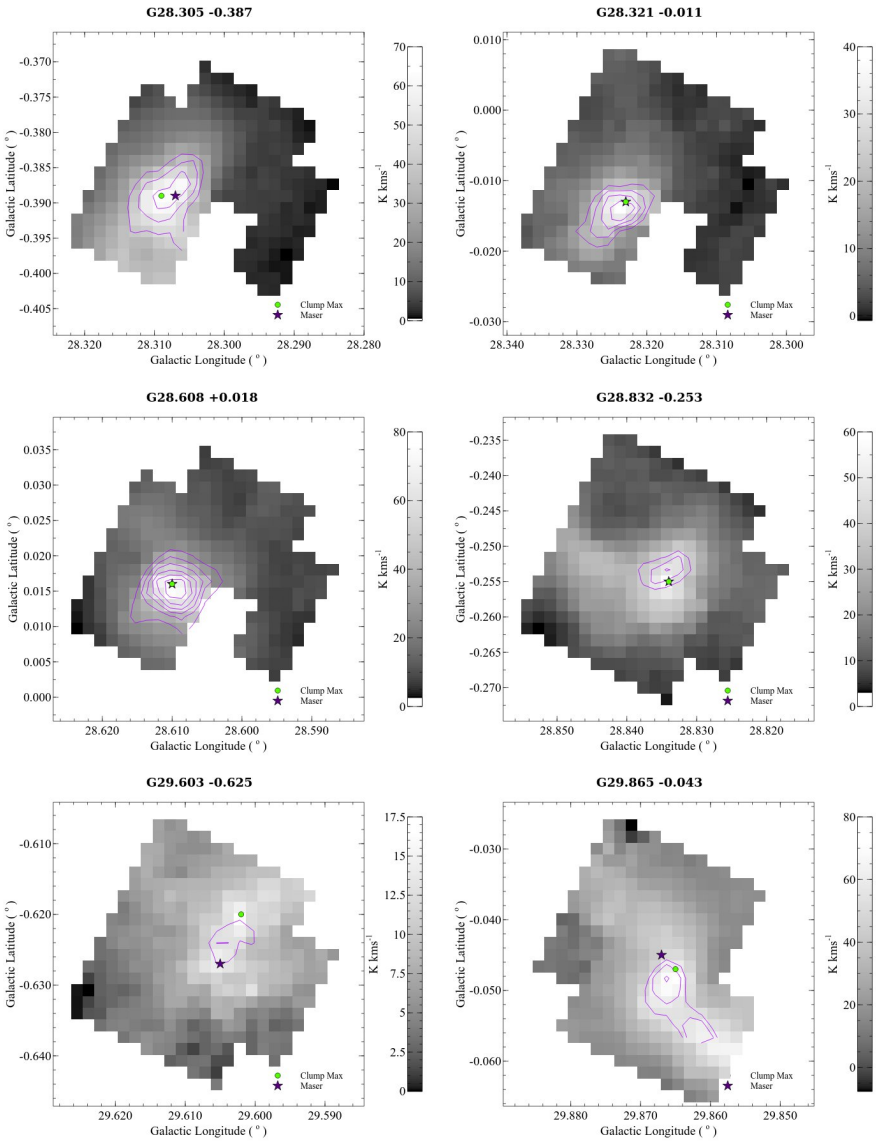

Figure A-1: – *continued* for rows of two from top to bottom: G 28.305-0.387 (4ϕ) and G 28.321-0.011; G 28.608+0.018 (4ϕ) and G 28.832-0.253; G 29.603-0.625 and G 29.865-0.043.

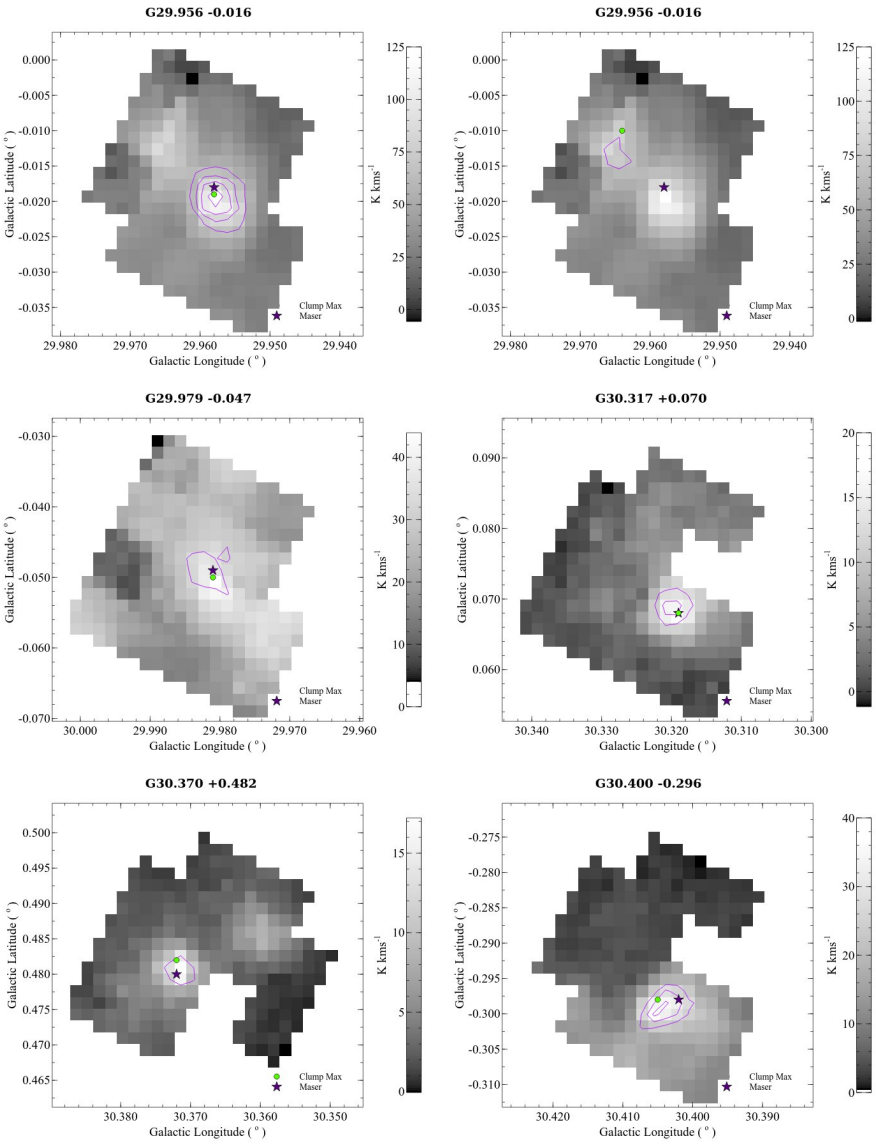

Figure A-1: *continued* for rows of two from top to bottom: G 29.956-0.016A (4ϕ) and G 29.956-0.016B (4ϕ); G 29.979-0.047 and G 30.317+0.070; G 30.370+0.482A and G 30.400-0.296.

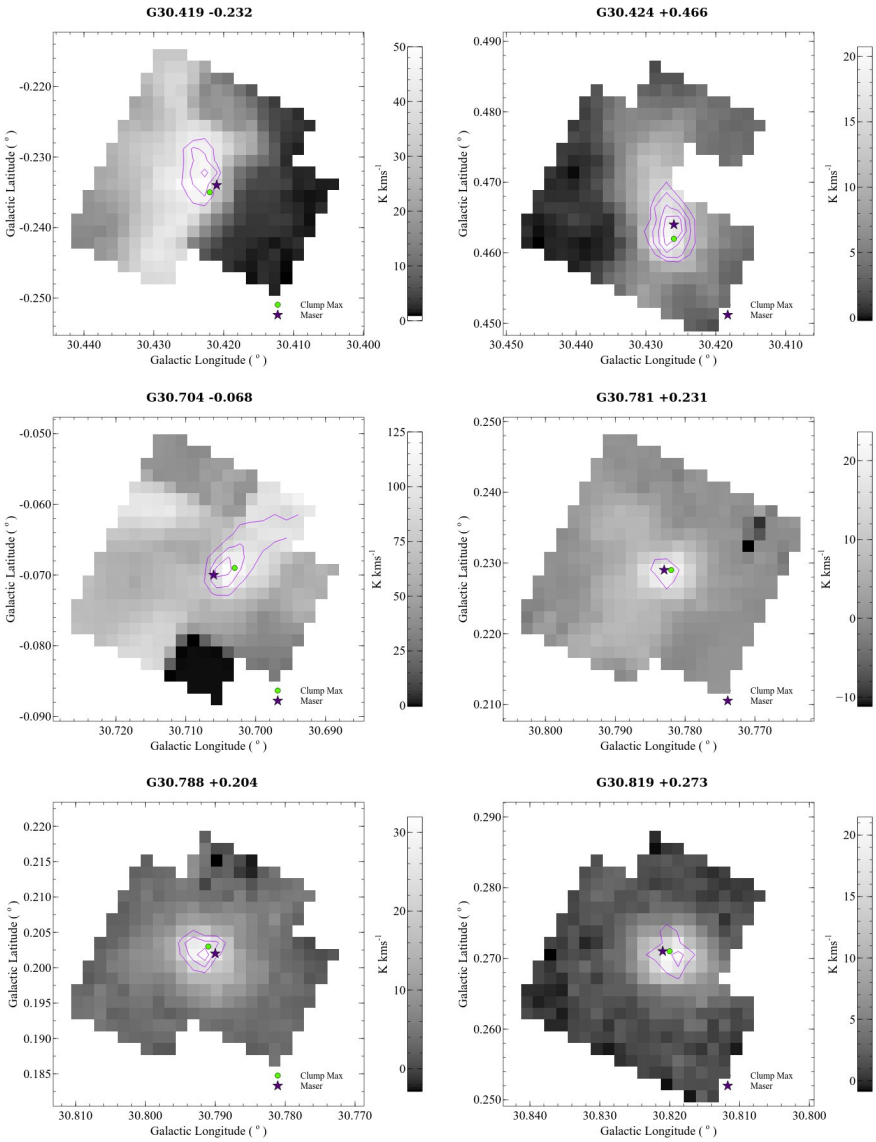

Figure A-1: – *continued* for rows of two from top to bottom: G 30.419-0.232 and G 30.424+0.466; G 30.704-0.068 (4ϕ) and G 30.781+0.231; G 30.788+0.204 and G 30.819+0.273.

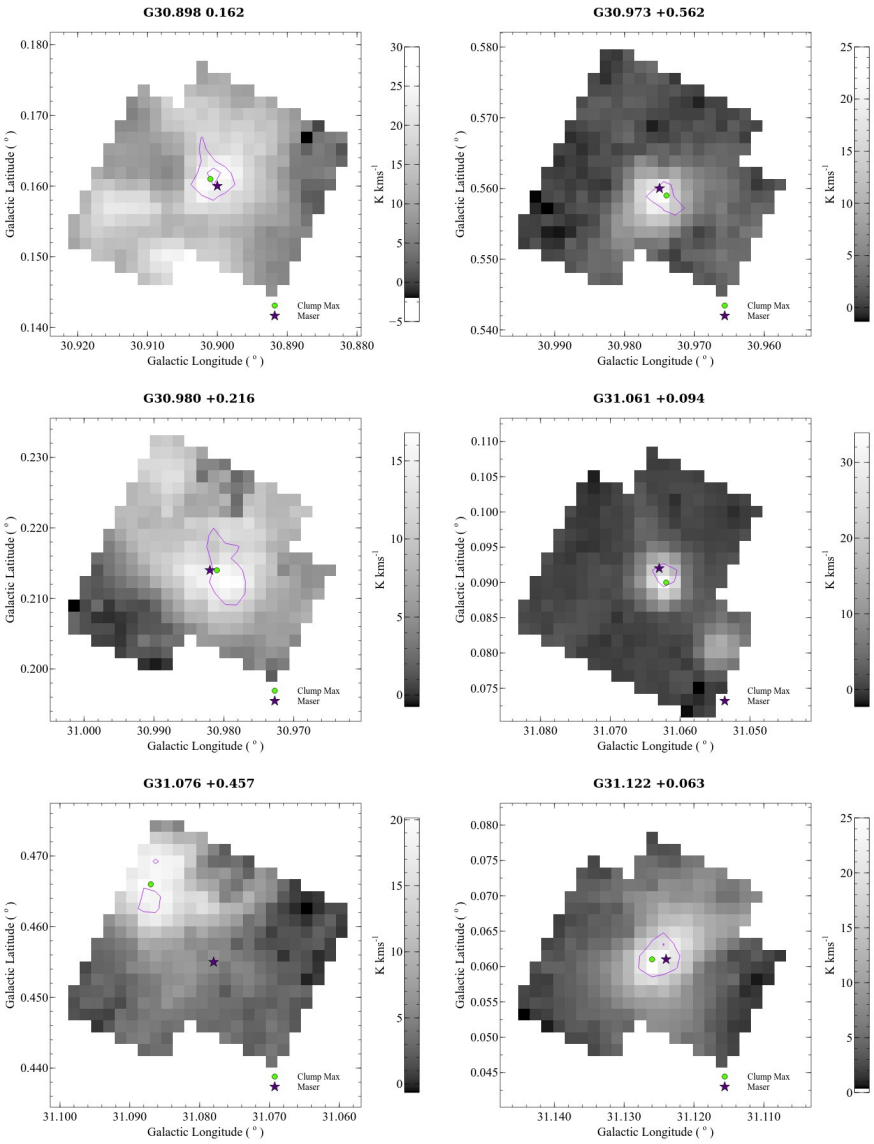

Figure A-1: – *continued* for rows of two from top to bottom: G 30.898+0.162 and G 30.973+0.562; G 30.980+0.216 and G 31.061+0.094; G 31.076+0.457 and G 31.122+0.063.

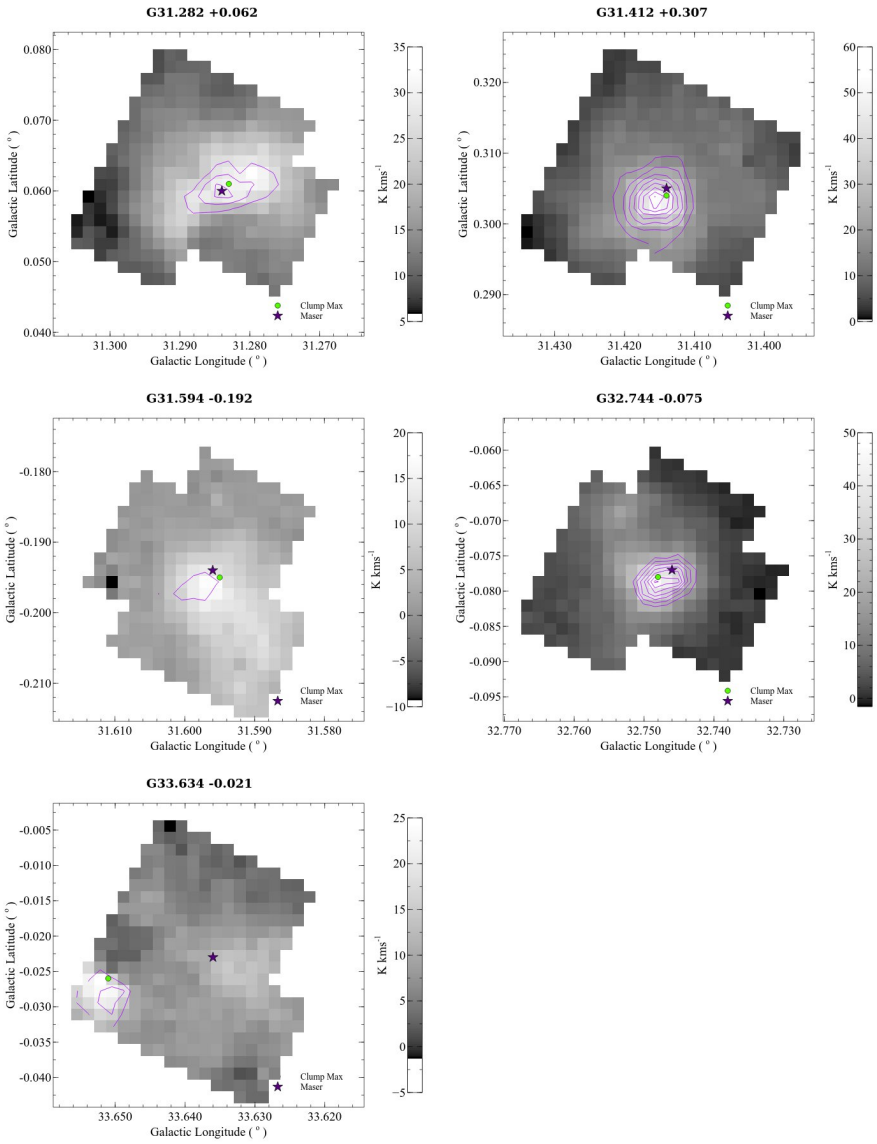

Figure A-1: – *continued* for rows of two from top to bottom: G 31.282-0.062 (4ϕ) and G 31.412+0.307 (4ϕ); G 31.594-0.192 and G 32.744-0.075; G 33.634-0.021.