

Fig. A.1: Map of centroid velocity od DCO⁺ (3-2). The black dots showing the position of each spectrum. Overlaid in black contours is the H₂ column density (levels:[1.0,1.5,2.0] 10²² cm⁻²).

Appendix A: Positions of spectral grid

Figure A.1 shows the position of each spectra in Fig. 3 There are 40 black dots that show the exact location of each spectrum at an 18 arcsec interval from each other.