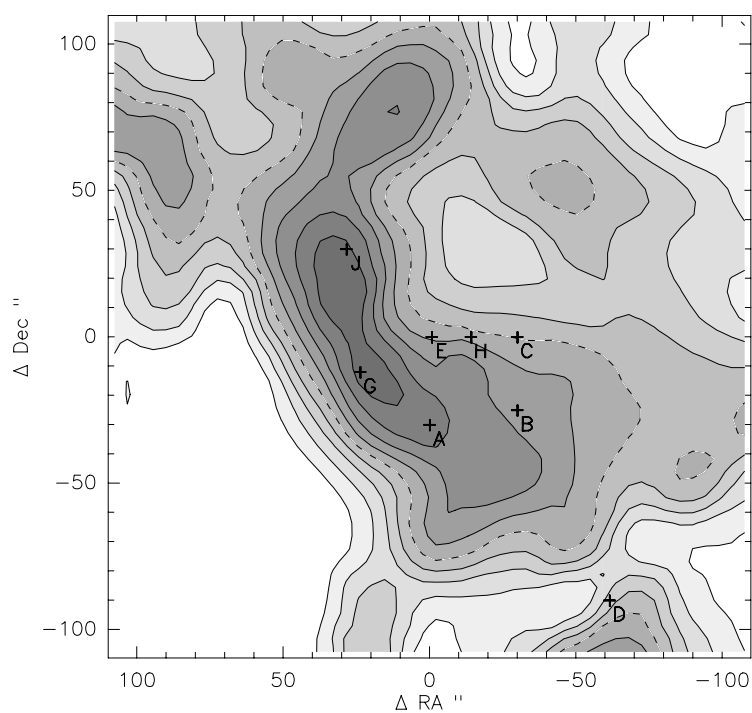


# Appendix E

## Edge Cloud 2 observations at the ARO 12m telescope April 2004

Figure E.1:  $^{12}\text{CO}$  (2–1) map of Edge Cloud 2 showing observed positions A and D:  
A.  $\alpha_{1950} = 02:44:52.6$ ,  $\delta = 58:16:00.0$ ,  $v_{\text{rad}} = -103.70 \text{ km s}^{-1}$  (EDGE\_CLOUD2).  
D.  $\alpha_{1950} = 02:44:44.8$ ,  $\delta = 58:15:00.0$ ,  $v_{\text{rad}} = -103.70 \text{ km s}^{-1}$  (EDGE2\_CENTER).



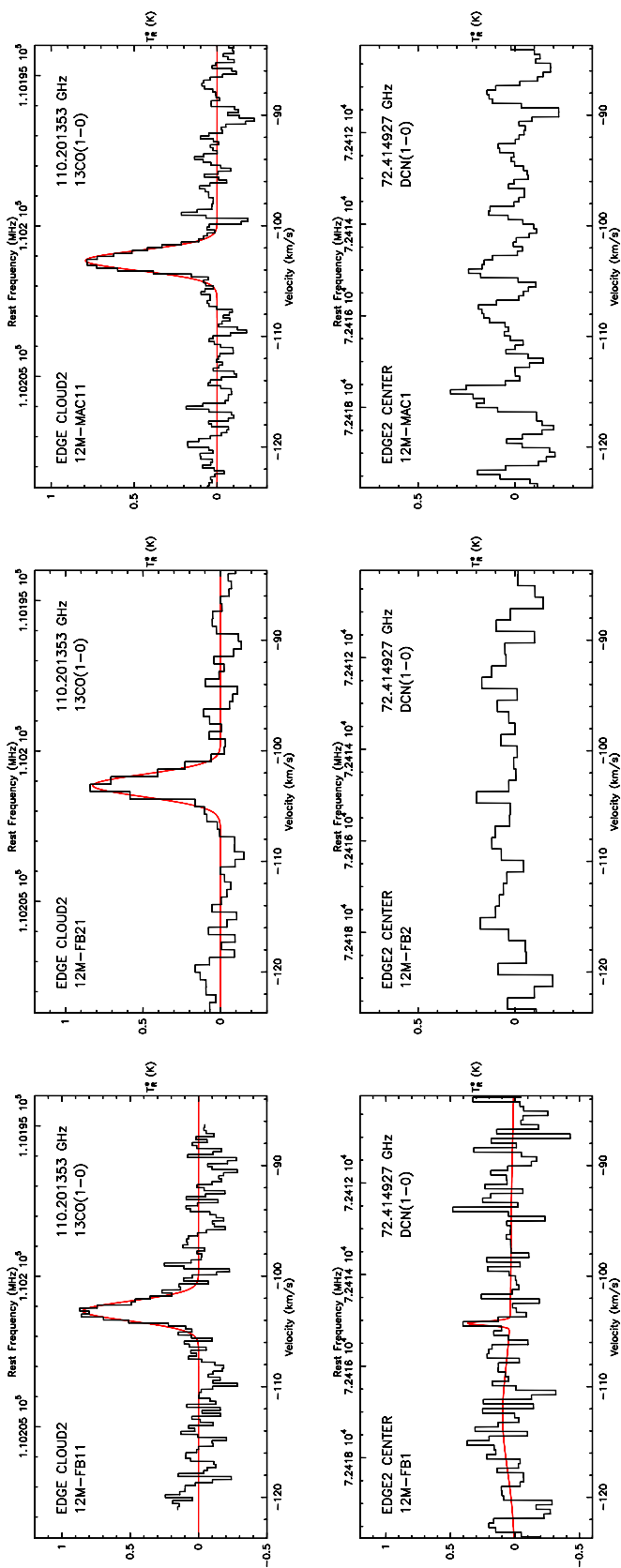


Figure E.2: EC2 positions A and D:  $^{13}\text{CO}$  and DCN spectra observed at the ARO 12m April 2004

(EDGE\_CLOUD2:  $\alpha_{1950} = 02:44:52.6$ ,  $\delta = 58:16:00.0$ ,  $v_{\text{rad}} = -103.70 \text{ km s}^{-1}$  and  
 EDGE2\_CENTER:  $\alpha_{1950} = 02:44:44.8$ ,  $\delta = 58:15:00.0$ ,  $v_{\text{rad}} = -103.70 \text{ km s}^{-1}$ ).

Table E.1: EC2 positions A and D:  $^{13}\text{CO}$  and DCN spectra observed at the ARO 12m April 2004.  
Line spectra summary for Fig. E.2 (where  $\bullet = I > 3\sigma$  and  $\circ = I > 2\sigma$ ).

$I$	Source	Line	Trans.	Frequency (GHz)	Position ( $\text{km s}^{-1}$ )	Width ( $\text{km s}^{-1}$ )	Area ( $\text{K km s}^{-1}$ )	$T_{\text{R}}^*$ (K)	rms (K)	Resol. ( $\text{km s}^{-1}$ )	Time (min)	UT	LST	$T_{\text{sys}}$ (K)	Filter
$\bullet$	EDGE_CLOUD2	$^{13}\text{CO}$	1-0	110.201353	$-103.16 \pm 0.07$	$2.08 \pm 0.19$	$1.88 \pm 0.14$	0.847	0.119	0.272	3	16:15	22:17	242	FB11
$\bullet$	EDGE_CLOUD2	$^{13}\text{CO}$	1-0	110.201353	$-103.14 \pm 0.08$	$2.39 \pm 0.21$	$2.09 \pm 0.15$	0.823	0.077	0.680	3	16:15	22:17	238	FB21
$\bullet$	EDGE_CLOUD2	$^{13}\text{CO}$	1-0	110.201353	$-103.15 \pm 0.05$	$2.13 \pm 0.13$	$1.80 \pm 0.09$	0.793	0.079	0.266	2	16:15	22:17	215	MAC11
$\circ$	EDGE2-CENTER	DCN	1-0 <sub>2-1</sub>	72.414927	$-104.27 \pm 0.16$	$0.42 \pm 1.92$	$0.15 \pm 0.05$	0.330	0.160	0.414	2	16:46	22:53	262	FB1
	EDGE2-CENTER	DCN	1-0 <sub>0-1</sub>	72.417030	—	—	—	—	0.160	0.414	2	16:46	22:53	262	FB1
	EDGE2-CENTER	DCN	1-0 <sub>1-1</sub>	72.413514	—	—	—	—	0.160	0.414	2	16:46	22:53	262	FB1
	EDGE2-CENTER	DCN	1-0 <sub>2-1</sub>	72.414927	—	—	—	—	0.096	1.035	2	16:46	22:53	262	FB2
	EDGE2-CENTER	DCN	1-0 <sub>0-1</sub>	72.417030	$-115.32 \pm 0.00$	$1.45 \pm 1.51$	$0.27 \pm 0.24$	0.173	0.096	1.035	2	16:46	22:53	262	FB2
	EDGE2-CENTER	DCN	1-0 <sub>1-1</sub>	72.413514	—	—	—	—	0.096	1.035	2	16:46	22:53	262	FB2
	EDGE2-CENTER	DCN	1-0 <sub>2-1</sub>	72.414927	—	—	—	—	0.110	0.404	1	16:46	22:53	241	MAC1
	EDGE2-CENTER	DCN	1-0 <sub>0-1</sub>	72.417030	—	—	—	—	0.110	0.404	1	16:46	22:53	241	MAC1
	EDGE2-CENTER	DCN	1-0 <sub>1-1</sub>	72.413514	—	—	—	—	0.110	0.404	1	16:46	22:53	241	MAC1

