Table 1: Parameters of ^{13}CO J=1-0 line

Name	RA(^{s}) (B1950)	DEC($''$) (B1950)	L (°)	B (°)	T_A^* (K)	V_{LSR} (kms^{-1})	FWHM (kms^{-1})	PRO	R (kpc)	D (kpc)	LOG (F_{25}/F_{12})	LOG (F_{60}/F_{12})	L_{bol} ($10^3 L_\odot$)
00117+6412*	45.0	4.0	118.96	1.89	.6(0)	−35.95(3)	2.52(7)	*b*	10.53	3.34	0.76	1.58	3.8
00211+6549*	9.5	25.4	120.15	3.38	.7(0)	−68.83(5)	3.34(13)	···	13.55	7.11	0.62	1.21	27
00232+6437*	17.4	27.7	120.25	2.16	2.4(0)	−48.40(1)	2.61(4)	*a*	11.53	4.61	0.92	2.13	3.0
00259+5625[1]	59.0	32.0	119.80	−6.05	.4(0)	−38.23(3)	1.72(8)	···	10.72	3.55	0.17	1.60	1.4
00420+5530*	5.3	53.8	122.01	−7.07	.3(0)	−42.33(7)	2.47(17)	···	11.10	3.94	0.31	1.47	10
00557+5612	45.9	4.8	123.94	−6.39	1.9(0)	−28.42(0)	1.79(2)	*a*	10.13	2.53	1.36	2.42	1.1
02219+6152[2]	6.1	40.0	133.75	1.20	1.6(0)	−38.54(4)	3.38(9)	···	11.34	3.65	0.89	1.24	780
02230+6202	2.3	23.9	133.78	1.42	1.5(0)	−42.04(2)	2.90(5)	*c*	11.69	4.07	0.79	1.51	110
02232+6138	13.6	45.9	133.94	1.06	1.9(0)	−45.02(4)	4.68(11)	···	12.02	4.45	1.12	2.36	410
02310+6133*	55.9	14.7	134.83	1.31	.3(0)	−39.74(7)	2.64(17)	···	11.53	3.84	0.42	1.75	2.8
02461+6147*	11.7	33.7	136.38	2.27	.4(0)	−41.78(4)	2.15(11)	···	11.87	4.17	0.91	1.46	16
02541+6208*	11.1	28.8	137.07	3.00	.3(0)	−51.67(7)	3.78(17)	*b*	13.18	5.62	1.16	2.43	6.0
02593+6016	20.6	7.9	138.50	1.64	.6(0)	−37.10(7)	2.41(18)	*a*	11.53	3.69	0.74	1.86	4.1
04034+5116	24.9	3.9	150.98	−0.47	2.4(0)	−26.12(2)	2.31(6)	*b*	11.37	3.17	0.80	1.76	7.6
04535+3752	30.8	31.6	166.81	−3.20	.4(0)	−34.25(7)	1.87(16)	···	27.94	19.60	1.07	1.79	110
05137+3919*	45.8	0.5	168.06	0.82	.7(0)	−25.26(4)	2.37(9)	···	19.69	11.30	0.63	1.29	54
05330−0517	2.6	49.4	208.91	−19.27	4.0(0)	10.77(1)	2.40(2)	*a*	9.50	1.12	0.83	1.29	6.6
05335+3609*	30.2	0.6	172.88	2.27	1.6(0)	−16.91(3)	3.48(8)	···	23.18	14.73	0.53	1.02	19
05506+2414[3]	41.0	10.3	184.96	−0.85	.6(0)	−22.41(5)	2.39(12)	*c*	···	···	0.63	0.84	
06001+3014*	10.2	18.6	180.83	3.99	1.5(0)	−6.16(3)	3.21(9)	···	···	···	0.33	1.58	
06055+2039	33.9	46.7	189.77	0.33	7.6(0)	8.52(0)	3.26(1)	···	11.12	2.65	0.69	1.82	19
06084+1727	28.8	9.5	192.91	−0.63	.5(0)	22.58(6)	2.34(15)	···	16.09	7.69	0.89	1.59	24
06114+1745	28.6	31.7	192.99	0.14	4.5(0)	8.24(0)	2.68(2)	*a*	10.27	1.81	0.62	1.61	4.6
06208+0957	49.0	58.1	200.92	−1.58	.5(0)	32.87(6)	2.60(14)	*f*?	14.92	6.67	0.98	1.74	24
06291+0421*	9.3	43.5	206.84	−2.38	2.7(0)	13.65(2)	2.43(5)	*c*	9.91	1.55	0.41	1.48	1.8
06306+0437*	37.3	15.4	206.78	−1.94	2.4(0)	15.51(1)	2.83(4)	*a*	10.14	1.80	0.60	1.47	1.0
06446+0029*	38.6	25.6	212.06	−0.74	.7(0)	44.63(5)	3.14(13)	*b*	14.01	6.06	1.07	1.74	24
06501+0143*	9.9	57.6	211.59	1.05	2.0(0)	43.04(2)	3.12(5)	···	13.81	5.83	0.71	1.64	7.7
06584−0852*	27.9	11.1	−138.04	−1.99	2.0(0)	40.45(2)	2.35(6)	···	11.87	4.10	0.31	1.13	6.6
07006−0654*	39.2	1.3	−139.54	−0.60	1.0(0)	28.83(2)	2.06(6)	···	10.74	2.75	0.57	1.05	1.0
07207−1435*	43.9	42.3	−130.44	0.15	1.5(0)	50.83(3)	2.89(8)	*c*	12.37	5.03	1.24	2.20	12
07277−1821[4]	43.1	41.4	−126.33	−0.18	1.2(0)	42.74(8)	2.75(19)	···	11.32	3.98	0.30	0.84	1.1
16544−4008	27.0	52.2	−14.76	1.71	.7(0)	−19.99(10)	2.66(25)	···	6.19	2.42	1.08	2.26	2.2
17003−4215	22.3	5.2	−15.80	−0.54	3.9(0)	−22.69(5)	5.80(13)	*a*	6.09	2.54	1.91	2.84	26
17432−2835[5]	11.0	40.2	0.38	0.05	1.3(0)	−51.62(4)	3.28(10)	···	···	···	0.99	1.58	···
17576−1845	37.8	13.2	10.51	2.23	1.7(0)	20.97(7)	3.70(18)	*e*	5.49	3.09	0.71	1.65	1.4
18032−2032[6]	16.0	1.0	9.62	0.19	1.8(0)	4.28(2)	5.76(5)	*m*	7.58	0.93	0.88	2.03	31

Table 1 (continue)

Name	RA(^{s}) (B1950)	DEC($''$) (B1950)	L ($^\circ$)	B ($^\circ$)	T_A^* (K)	V_{LSR} (kms^{-1})	FWHM (kms^{-1})	PRO	R (kpc)	D (kpc)	LOG (F_{25}/F_{12})	LOG (F_{60}/F_{12})	L_{bol} ($10^3 L_\odot$)
18056−1952	38.7	34.2	10.47	0.04	3.3(0)	64.61(6)	···	*d*	3.13	5.63	1.13	2.67	360
18065−2026	30.2	33.2	10.08	−0.42	3.0(0)	11.83(11)	···	*m*	6.44	2.11	1.04	1.90	4.4
18067−1921	42.1	54.7	11.05	0.07	2.1(0)	26.43(7)	3.62(19)	*g*	5.13	3.48	0.80	1.90	12
					1.0(1)	30.83(12)	1.84(28)	···	4.81	3.82			
18074−2043	25.0	37.2	9.94	−0.74	3.2(0)	27.75(2)	4.83(6)	*c*	4.81	3.79	0.93	1.83	20
18075−1956[7]	30.7	38.3	10.63	−0.38	3.5(0)	−2.66(5)	5.52(13)	*c, m*	···	···	0.80	2.61	
18078−1928	51.3	23.1	11.08	−0.22	2.4(0)	29.32(3)	5.00(7)	*h*	4.92	3.70	0.78	1.51	5.2
					1.3(0)	38.67(4)	2.88(10)	···	4.33	4.33			
18120−1417	0.8	18.3	16.09	1.42	.3(0)	88.44(20)	3.16(60)	···	3.35	5.78	−0.01	−0.53	13
18131−1118	11.8	30.1	18.85	2.60	.2(0)	26.06(7)	2.03(16)	···	6.15	2.54	−0.14	1.08	1.7
18132−1926	15.9	42.1	11.72	−1.32	.5(0)	22.84(15)	1.59(36)	*a, h*	5.54	3.06	0.05	0.97	2.8
					.1(0)	12.68(13)	1.80(30)	···	6.56	1.99			
18145−1557	33.9	30.0	14.93	0.08	3.5(0)	24.80(2)	4.01(5)	*c*	5.83	2.81	0.72	1.61	4.1
18159−1648	9.6	55.3	14.34	−0.63	5.9(0)	20.30(1)	4.89(4)	*a, g*	6.12	2.49	0.94	2.19	20
					.6(0)	32.44(22)	10.94(64)	···	5.24	3.44			
18164−1340[8]	33.8	24.2	17.13	0.73	2.2(0)	22.19(2)	4.44(4)	*a, d*	6.26	2.38	0.11	1.79	4.5
18212−1320	15.2	55.1	18.00	−0.10	.8(0)	51.73(14)	3.71(22)	*h*	4.73	4.16	0.87	1.72	5.3
					.3(1)	41.78(27)	2.87(68)	···	5.17	3.63			
18314−0720*	26.9	29.2	24.47	0.50	3.3(0)	102.51(1)	6.00(3)	*b*	3.89	6.09	0.62	1.48	520
18506+0038	37.2	15.5	33.75	−0.07	1.8(0)	101.50(6)	4.91(14)	···	···	···	0.70	1.60	
18507+0110[9]	47.2	49.3	34.26	0.15	9.8(0)	57.27(1)	4.99(4)	*b*	5.73	3.87	0.90	1.91	570
18556+0136[10]	41.2	28.4	35.20	−0.74	5.3(0)	33.16(2)	4.89(5)	*c, d*	6.68	2.41	1.71	2.66	23
18566+0703	40.3	6.7	40.14	1.55	1.0(0)	29.41(6)	4.15(16)	*e*	6.99	2.16	1.02	2.70	2.7
19081+0753	9.9	43.4	42.21	−0.58	1.4(1)	66.42(64)	4.58(37)	*m*	5.78	5.38	1.03	2.02	10
19097+0847	46.3	8.6	43.18	−0.52	4.1(0)	55.26(1)	4.12(3)	*b*	6.15	4.22	0.71	1.61	41
19117+1107[11]	46.0	2.6	45.47	0.13	1.9(0)	60.09(3)	7.03(9)	*c*	6.07	5.59	0.91	1.84	290
19120+0917	3.1	17.4	43.89	−0.78	3.5(0)	52.00(1)	4.26(3)	*c*	6.27	3.99	1.02	1.73	38
19120+1103	0.4	58.5	45.45	0.06	4.7(0)	55.99(2)	6.49(6)	*c*	6.19	4.68	0.91	1.83	310
19124+1106	24.0	41.6	45.54	−0.01	2.2(0)	55.71(3)	6.26(7)	*a, d*	6.20	4.66	0.70	1.82	17
19207+1410*	44.6	49.6	49.21	−0.35	2.2(0)	63.45(4)	7.10(10)	*b*	6.08		0.75	1.72	
19209+1421	54.6	9.4	49.38	−0.30	3.0(0)	50.27(2)	4.81(5)	*g*	6.47	5.06	1.00	2.06	430
					1.2(0)	60.65(6)	7.46(17)	···	···	···			
19213+1723	22.9	5.4	52.10	1.05	2.2(0)	39.86(3)	3.32(8)	···	6.86	3.78	0.73	1.47	21
19213+1424[12]	26.2	43.5	49.49	−0.01	10.6(0)	55.82(3)	10.17(7)	*e, h*	···	···	1.01	−1.95	
					3.3(0)	66.78(7)	7.77(16)	···	···	···			
19282+1814	14.7	31.9	53.63	0.02	8.6(0)	22.66(0)	2.11(1)	*c*	7.50	1.97	0.72	1.97	9.5
19291+1713	8.8	16.8	52.84	−0.66	1.3(0)	46.64(7)	3.61(16)	*f*	···	···	0.75	1.67	

Table 1 (continue)

Name	RA(^{s}) (B1950)	DEC($''$) (B1950)	L ($^\circ$)	B ($^\circ$)	T_A^* (K)	V_{LSR} (kms^{-1})	FWHM (kms^{-1})	PRO	R (kpc)	D (kpc)	LOG (F_{25}/F_{12})	LOG (F_{60}/F_{12})	L_{bol} ($10^3 L_\odot$)
19298+1707	53.7	6.6	52.84	−0.87	.8(0)	43.21(3)	2.15(7)	h	···	···	0.92	1.96	
					.8(0)	54.40(4)	3.72(9)	···	···	···			
19374+2352	26.4	56.6	59.60	0.92	2.1(0)	35.32(3)	3.99(8)	a	···	···	0.73	1.97	
19508+2659*	53.9	51.4	63.82	−0.12	.4(0)	−15.26(9)	5.26(23)	···	9.24	8.96	0.02	−0.68	24
19529+2704	56.0	53.9	64.13	−0.47	2.1(0)	22.60(3)	3.36(8)	a	7.60		0.55	1.66	
19589+3320	57.0	46.5	70.14	1.73	1.3(0)	−22.14(4)	5.07(11)	a	9.56	8.13	0.79	1.69	35
20056+3350	36.0	52.6	71.31	0.83	1.7(0)	8.56(5)	4.09(12)	c	8.15	1.45	0.76	1.99	2.3
20081+3122	9.9	38.9	69.54	−0.97	3.7(0)	13.41(2)	3.64(6)	···	···	···	1.72	3.11	
20100+3643	2.4	25.9	74.21	1.65	.7(0)	−36.50(3)	2.33(9)	···	10.34	8.64	0.99	2.63	31
20103+3633	21.9	52.4	74.12	1.51	.9(0)	−34.96(3)	2.50(9)	h	10.25	8.51	0.85	1.72	27
					.2(0)	−28.17(13)	0.93(31)	···	9.86	7.83			
20198+3716	51.8	0.5	75.78	0.35	1.9(0)	−0.11(4)	5.40(10)	c	8.50	4.19	0.81	1.87	240
20219+3614	57.0	35.6	75.17	−0.60	.4(0)	−0.60(5)	2.17(13)	···	8.52	4.45	1.03	1.94	3.5
20281+4038	6.8	44.6	79.45	1.00	1.7(0)	−2.59(1)	2.18(3)	···	8.61	3.62	0.77	1.73	5.2
20290+4052	3.0	14.5	79.74	0.99	1.6(0)	−1.69(1)	2.44(3)	a, h	8.57	3.38	0.98	2.05	2.1
					.6(0)	−20.34(3)	2.54(8)	···	9.42	5.84			
20330+4109	0.6	56.5	80.42	0.57	.7(0)	−29.36(2)	2.49(6)	h	9.88	6.65	1.10	2.18	9.0
					.4(0)	−3.45(4)	2.21(10)	···	8.64	3.52			
20332+4124	12.9	23.8	80.63	0.68	1.8(2)	−1.24(25)	3.74(61)	···	8.55	3.05	0.83	1.90	22
20406+4555	40.5	3.4	85.03	2.37	.8(0)	−48.21(5)	2.80(12)	c	11.00	7.76	0.39	1.58	43
21074+4949	28.2	46.0	90.92	1.51	.8(0)	−67.70(9)	3.66(23)	f?	12.45	8.96	1.02	2.25	76
21144+5430*	24.1	56.8	95.05	3.97	.3(0)	−83.29(10)	2.62(23)	···	13.96	10.35	1.09	1.80	22
21306+5540[13]	37.0	35.6	12.96	8.74	1.0(0)	−72.88(3)	4.00(8)	a, d	97.53	3.19	1.03	1.91	130
21368+5502*	48.3	56.6	97.76	2.13	.4(0)	−66.28(5)	1.86(12)	···	12.38	7.93	0.82	1.65	4.6
21553+5908*	23.4	17.6	102.32	3.68	.2(0)	−85.84(5)	2.03(13)	···	14.43	9.98	0.61	1.50	16
22201+5833	11.4	56.6	104.61	1.37	1.1(0)	−19.72(2)	2.93(4)	···	9.40	2.41	−0.39	1.07	1.9
22305+5803*	31.1	29.5	105.51	0.23	.7(0)	−52.44(2)	2.59(6)	a	11.41	5.68	1.06	1.87	13
22308+5812	52.9	52.8	105.63	0.34	1.5(0)	−49.44(1)	3.63(4)	c	11.20	5.35	0.84	1.54	70
22475+5939[14]	31.0	42.7	108.20	0.59	1.1(0)	−49.85(4)	3.40(9)	···	11.28	5.22	0.78	1.52	64
22506+5944[15]	37.0	49.8	108.59	0.49	1.3(0)	−51.36(1)	2.43(3)	c	11.40	5.35	0.74	1.47	16
22543+6145	20.2	54.8	109.87	2.12	3.4(0)	−9.56(2)	4.17(6)	c	8.93	1.09	1.86	3.06	38
22551+6139	11.7	59.8	109.92	1.98	1.1(0)	−10.35(1)	2.71(4)	g	8.97	1.17	0.98	1.75	3.0
					.3(0)	−7.91(81)	3.48(165)	···	8.85	0.91			
22566+5830[16]	38.3	39.7	108.77	−0.94	3.7(0)	−50.55(1)	3.23(2)	···	11.34	5.26	0.67	1.70	93
22570+5912	2.8	21.9	109.10	−0.35	1.9(0)	−65.24(1)	3.84(3)	···	12.56	6.88	0.90	1.61	94
23030+5958	4.9	27.7	110.11	0.05	2.8(0)	−49.19(0)	3.60(2)	a	11.27	5.04	0.81	1.59	110
23042+6000	14.9	3.5	110.25	0.01	1.3(0)	−52.79(3)	3.42(8)	c	11.55	5.41	0.55	1.56	44

Table 1 (continue)

Name	RA(^{s}) (B1950)	DEC($''$) (B1950)	L (°)	B (°)	T_A^* (K)	V_{LSR} (kms^{-1})	FWHM (kms^{-1})	PRO	R (kpc)	D (kpc)	LOG (F_{25}/F_{12})	LOG (F_{60}/F_{12})	L_{bol} ($10^3 L_\odot$)
23133+6050	21.5	46.4	111.61	0.37	2.5(0)	−56.01(1)	2.93(2)	*b*	11.85	5.70	1.11	1.67	210
23134+6131	25.3	19.4	111.86	1.00	1.9(0)	−47.18(0)	3.13(2)	*c*	11.16	4.73	0.45	1.55	12
23140+6121	1.9	21.9	111.87	0.82	3.6(0)	−48.94(0)	3.62(1)	···	11.30	4.92	0.56	1.60	20
23250+5837[17]	0.9	11.5	112.24	−2.20	.4(0)	−35.89(5)	2.27(14)	···	10.39	3.58	0.24	1.37	1.3
23385+6053*	30.2	42.5	114.53	−0.54	1.5(0)	−48.44(4)	3.81(9)	···	11.33	4.75	0.54	1.84	25
23504+6012	28.7	2.5	115.78	−1.58	.5(0)	−39.72(3)	3.17(7)	*e*	10.72	3.81	0.55	1.47	7.7
23507+6230	43.7	18.6	116.33	0.66	.7(0)	−44.79(3)	3.40(8)	*e*	11.11	4.31	0.22	1.28	11
23592+6716	15.3	16.9	118.21	5.13	1.4(0)	−14.06(2)	3.54(6)	*c*	9.19	1.31	0.41	2.12	1.2

Notes to Table1:
column(1): *, water maser; 1-17, water maser sources having other designations. (Comoretto et al. 1990; Brand et al. 1994). 1, LBN594(its position is 0:25:60.0 56:24:32.9); 2, W3(3); 3, AFGL5157; 4, S305; 5, 00038+0004; 6, 00962+0019; 7, W31(2); 8, M16B; 9, G34.3+0.2(its position is 18:50:46.2 01:11:13.7); 10, G35.2-0.74; 11, K47; 12, W51M; 13, 09753+0319; 14, S146; 15, 10860+0049; 16, 10877-0094; 17, 11225-0220
column(7): property of lines. a: blue wing; b: red wing; c: wings or pedestal; d: flat top; e: emission peak skewed to low velocity; f: emission peak skewed to high velocity; g: double peak; h: two components; m, multiple components.