**Table B.2.** **Onsala source catalogue and the observed SiO $J = 2 - 1$ line parameters.**

| Source No. (l,b) dist. [°] [kpc] (1) | R.A. Dec. (1950) (2) | Line SiO Cat. (3) | $T_A^\star$ [K] $F_{peak}$ [Jy] (4) | rms [K] [Jy] (5) | $V_{peak}$ [km/s] (6) | $V_{min}$ [km/s] (7) | $V_{max}$ [km/s] (8) | $V_{cen}$ [km/s] (9) | $V_{mean}$ [km/s] (10) | FW [km/s] (11) | Width [km/s] (12) | Area [K km/s] S [Jy km/s] (13) | P $V_{cloud}$ [km/s] (14) | Remarks (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 118.96+1.89 3.4 | 0:11:46.0 | $2 \rightarrow 1$ | | 0.02 | | | | | | | | | | UC, (P118.96+1.89), M($NH_3$) |
| IRAS00117+6412 | 64:12: 6 | (Arc.) | | 3.5 | | | | | | | | | -36.2[1] | WB325, Bro |
| 2 121.30+0.66 1.6 | 0:33:53.3 | $2 \rightarrow 1$ | 0.22 | 0.02 | -17.1 | -24.0 | -10.2 | -17.1 | -16.6 ± 2.0 | 13.8 | 6.8 ± 0.3 | 1.2 ± 0.1 | 0.0 | Arc., P121.30+0.66, J, Bro |
| **IRAS00338+6312** | 63:12:32 | H | 0.9 | | -10.51 | -10.9 | -10.1 | -10.5 | | 0.8 | | 0.7 | -17.6[2] | RNO 1B (STAR) |
| 3 122.02−7.08 5.0 | 0:42: 6.2 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | (M) |
| J00420+5530 | 55:30:24 | J | 0.45 | | -45 | | | | | | | | -51.2[3] | |
| 4 123.06−6.31 2.9 | 0:49:27.8 | $2 \rightarrow 1$ | 0.16 | 0.02 | -31.7 | -40.3 | -23.1 | -31.7 | -31.3 ± 3.1 | 17.2 | 10.0 ± 0.4 | 1.5 ± 0.1 | 0.0 | (P123.07-6.31), Z94 |
| **IRAS00494+5617** | 56:17:28 | H | 163.1 | | -36.2 | -45.5 | -19.8 | -32.7 | 25.7 | | | 460 | -31.8[2] | NGC281 |
| 5 123.07−6.31 2.8 | 0:49:29.2 | $2 \rightarrow 1$ | 0.11 | 0.01 | -31.3 | -36.5 | -24.4 | -30.5 | -31.1 ± 3.0 | 12.1 | 6.4 ± 0.2 | 0.9 ± 0.04 | -0.1 | A |
| **NGC281** | 56:17:37 | Arc. | 22.6 | 1.5 | -28.7 | -43.0 | -13.9 | -28.5 | | 29.1 | | 94.1 | -30.8[4] | S184, IRAS00494+5617 |
| 6 126.68−0.83 1.3 | 1:19:58.0 | $2 \rightarrow 1$ | | 0.02 | | | | | | | | | | |
| S187 | 61:33: 8 | Arc. | | 3.8 | | | | | | | | | -15.4[18] | |
| 7 126.71−0.82 1.2 | 1:20:15.2 | $2 \rightarrow 1$ | | 0.05 | | | | | | | | | | OH, UC, Bro |
| IRAS01202+6133 | 61:33:10 | B90 | | | | | | | | | | | -13.9[1] | |
| 8 133.69+1.22 4.3 | 2:21:40.8 | $2 \rightarrow 1$ | | 0.02 | | | | | | | | | | P133.69+1.22, A |
| W3 (1) | 61:53:26 | Arc. | 90.7 | 3.5 | -34.3 | -52.7 | -33.8 | -43.2 | | 18.9 | | 553.9 | -43.4[2] | |
| 9 133.72+1.22 3.7 | 2:21:53.3 | $2 \rightarrow 1$ | 0.11 | 0.01 | -39.6 | -44.8 | -32.7 | -38.8 | -38.9 ± 4.6 | 12.1 | 6.6 ± 0.3 | 0.7 ± 0.03 | -0.1 | P133.71+1.22, A |
| **W3 (2)** | 61:52:20 | Arc. | 427.9 | 7.6 | -40.5 | -52.0 | -33.4 | -42.7 | | 18.6 | | 1473.0 | -38.4[2] | IRAS02219+6152 |
| 10 133.72+1.22 4.6 | 2:21:55.3 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | |
| IRAS02219+6152 | 61:52:34 | H | 1060.4 | | -39.6 | -51.7 | -13.8 | -32.8 | | 37.9 | | 3180 | -46.0[11] | W3-IRS5 |
| 11 133.75+1.20 3.8 | 2:22: 6.1 | $2 \rightarrow 1$ | | 0.02 | | | | | | | | | | P133.75+1.20, A |
| W3 (3) | 61:50:40 | Arc. | 69.7 | 3.4 | -39.3 | -49.4 | -30.7 | -40.1 | | 18.7 | | 114.3 | -39.8[2] | |
| 12 133.94+1.06 4.6 | 2:23:13.7 | $2 \rightarrow 1$ | 0.11 | 0.02 | -45.4 | -52.3 | -43.7 | -48.0 | -47.6 ± 8.3 | 8.6 | 5.9 ± 0.4 | 0.6 ± 0.04 | 0.6 | Bro |
| **IRAS02232+6138** | 61:38:46 | H | 1231.5 | | -48.8 | -70.6 | -33.4 | -52.0 | | 37.2 | | 3925 | -46.4[1] | W3 OH |
| 13 133.95+1.07 4.8 | 2:23:17.3 | $2 \rightarrow 1$ | 0.13 | 0.02 | -46.2 | -51.4 | -35.9 | -43.7 | -45.7 ± 8.2 | 15.5 | 5.1 ± 0.4 | 0.8 ± 0.1 | -0.3 | P133.95+1.07, A, G, Gen |
| **W3 OH** | 61:38:58 | Arc. | 14090 | 7.2 | -48.8 | -62.0 | -31.2 | -46.6 | | 30.8 | | 31750 | -47.4[2] | (Men), IRAS02232+6138 |
| 14 132.98+8.48 0.9 | 2:42:32.0 | $2 \rightarrow 1$ | | 0.02 | | | | | | | | | | |
| IRAS02425+6851 | 68:51:37 | Arc. | 20.5 | 1.3 | -14.1 | -18.2 | -7.4 | -12.8 | | 10.8 | | 35.1 | -10.4[7] | WB441 |
| 15 136.38+2.27 4.2 | 2:46:11.7 | $2 \rightarrow 1$ | | 0.02 | | | | | | | | | | P136.38+2.27, Bro |
| IRAS02461+6147 | 61:47:34 | Arc. | | 3.7 | | | | | | | | | -42.2[2] | (STAR) |
| 16 133.40+8.88 - | 2:48:34.5 | $2 \rightarrow 1$ | | 0.02 | | | | | | | | | | |
| IRAS02485+6902 | 69: 2:20 | Arc. | 12.7 | 1.7 | 15.4 | 9.8 | 21.6 | 15.7 | | 11.8 | | 18.4 | -89.2[7] | WB453 |
| 17 137.07+3.00 5.9 | 2:54:11.2 | $2 \rightarrow 1$ | | 0.02 | | | | | | | | | | P137.07+3.00, (Bro) |
| G137.07+3.00 | 62: 8:29 | Arc. | | 2.1 | | | | | | | | | -53.2[2] | IRAS02541+6208 (STAR) |
| 18 138.30+1.56 3.9 | 2:57:35.6 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | Arc., C($NH_3$,$H_2O$), Bro, Z94 |
| IRAS02575+6017 | 60:17:22 | H | 1.3 | | -68.1 | -68.8 | -67.4 | -68.1 | | 1.4 | | 2 | | AFGL4029, S199, Cha |
| | | C | 0.65 | 0.08 | -33.3 | -35.8 | -30.3 | -33.1 | | 5.5 | | 0.8 | -38.9[1] | WB463 |

A=Anglada et al. (1996); Arc.=Comoretto et al. (1990), Palagi et al. (1993), Brand et al. (1994); B90=Braz et al. (1990); Bro=Bronfman et al. (1996); C=Churchwell et al. (1990); Cha=Chan et al. (1996); G=Gaume & Mutel (1987); Gen=Gensheimer et al. (1996); H=Henning et al. (1992); Has=Haschick et al. (1983); Hof=Hofner & Churchwell (1996); J=Jenness et al. (1995); M=Molinari et al. (1996); Mor=Moreira et al. (1995); Men=Menten (1991); P=Plume et al. (1992); WB=Wouterloot & Brand (1989); W&W=Wouterloot & Walmsley (1986); Z94=Zinchenko et al. (1994)

**Distance references:** [a] Jenniskens & Wouterloot (1990); [c] Avedisova & Palouš (1989); [f] Cernicharo et al. (1985); [g] Braz et al. (1990); [h] Clemens & Barvainis (1988); [i] Genzel & Downes (1977)

**Cloud velocity references:** [1] Bronfman et al. (1996); [2] Plume et al. (1992); [3] Molinari et al. (1996); [4] Anglada et al. (1996); [5] Zinchenko et al. (1994); [7] Wouterloot & Brand (1989); [8] Churchwell et al. (1990); [9] Jenness et al. (1995); [10] Wouterloot et al. (1988); [11] Brand & Blitz (1993); [12] Fich et al. (1989); [18] Joncas et al. (1992); [19] Haschick et al. (1983); [20] Clemens & Barvainis (1988)

**Table B.2. (continued)**

| Source No. (l,b) dist. [°] [kpc] (1) | R.A. Dec. (1950) (2) | Line SiO Cat. (3) | $T_A^\star$ [K] $F_{peak}$ [Jy] (4) | rms [K] [Jy] (5) | $V_{peak}$ [km/s] (6) | $V_{min}$ [km/s] (7) | $V_{max}$ [km/s] (8) | $V_{cen}$ [km/s] (9) | $V_{mean}$ [km/s] (10) | FW [km/s] (11) | Width [km/s] (12) | Area [K km/s] S [Jy km/s] (13) | P $V_{cloud}$ [km/s] (14) | Remarks (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 138.50+1.64 3.8 | 2:59:20.6 | 2 → 1 | | 0.04 | | | | | | | | | | B90, Bro, Cha |
| IRAS02593+6016 | 60:16: 8 | H | 1.7 | | -35.0 | -54.2 | -31.7 | -43.0 | | 22.5 | | 4 | -37.9[1] | AFGL416, S201 |
| 20 139.91+0.20 4.1 | 3: 3:33.2 | 2 → 1 | | 0.02 | | | | | | | | | | C($NH_3$,$H_2O$),H, J, Bro, Cha |
| IRAS03035+5819 | 58:19:21 | Arc. | 10.3 | 2.0 | -28.1 | -29.1 | -27.2 | -28.2 | 1.9 | | | 20.0 | -39.4[1] | S201, AFGL437, HHL-5 |
| 21 139.91+0.20 4.1 | 3: 3:33.5 | 2 → 1 | | 0.03 | | | | | | | | | | J(cont.), WB466 |
| JC03035+5819 | 58:19: 9 | J | | | | | | | | | | | -39.7[7] | IRAS03035+5819 |
| 22 140.64+0.68 4.0 | 3:10:11.7 | 2 → 1 | | 0.03 | | | | | | | | | | P140.64+0.68, (Bro) |
| G140.64+0.68 | 58:22: 0 | Arc. | 8.2 | 1.4 | -39.1 | -39.6 | -38.6 | -39.1 | 1.0 | | | 13.6 | -38.2[1] | IRAS03101+5821 |
| 23 141.14+1.50 6.9 | 3:16:46.1 | 2 → 1 | | 0.03 | | | | | | | | | | |
| IRAS03167+5848 | 58:48:45 | Arc. | 10.3 | 1.2 | -55.3 | -58.4 | -52.5 | -55.5 | | 5.9 | | 16.4 | -55.6[7] | WB479 |
| 24 158.04−21.41 0.4[f] | 3:22:31.0 | 2 → 1 | | 0.02 | | | | | | | | | | P158.04-21.41, (A) |
| G158.04-21.41 | 30:34:50 | Arc. | 12.6 | 1.6 | 2.6 | 2.3 | 3.0 | 2.7 | | 0.7 | | 8.2 | -4.4[4] | L1448 N, IRAS03225+3034 |
| 25 142.23+1.42 4.2 | 3:23:23.4 | 2 → 1 | | 0.03 | | | | | | | | | | UC, C($NH_3$) |
| C03235+5808 | 58: 8:56 | C | | | | | | | | | | | -38.7[8] | |
| 26 158.76−21.58 0.4[f] | 3:24:34.0 | 2 → 1 | | 0.02 | | | | | | | | | | P158.76-21.58 |
| G158.76-21.58 | 30: 2:36 | Arc. | 140.5 | 1.6 | 2.2 | 1.8 | 2.5 | 2.2 | | 0.7 | | 92.9 | - | IRAS03245+3002 |
| 27 158.35−20.56 0.4[f] | 3:25:56.6 | 2 → 1 | | 0.03 | | | | | | | | | | A |
| HH7-11 (B) | 31: 5:19 | Arc. | 32.2 | 1.8 | 2.8 | -15.2 | 7.2 | -4.0 | | 22.4 | | 60.5 | 8.1[4] | |
| 28 158.35−20.56 0.4[f] | 3:25:59.0 | 2 → 1 | | 0.02 | | | | | | | | | | (A) |
| HH11 | 31: 5:36 | (Arc.) | | 2.7 | | | | | | | | | 8.1[4] | HH7-11A, IRAS03259+3105 |
| 29 158.30−20.46 0.4[f] | 3:26: 4.7 | 2 → 1 | | 0.04 | | | | | | | | | | UC, C($NH_3$), H |
| IRAS03260+3111 | 31:11:41 | C | | | | | | | | | | | 7.7[8] | NGC1333 |
| 30 158.34−20.51 0.4[f] | 3:26: 5.6 | 2 → 1 | | 0.03 | | | | | | | | | | J(cont.), (Arc.) |
| JC03262+3108 | 31: 8:16 | J | | | | | | | | | | | 8.3[9] | HH6 |
| 31 160.50−17.80 0.3[g] | 3:41:28.0 | 2 → 1 | | 0.04 | | | | | | | | | | OH |
| IRAS03414+3200 | 32: 0: 1 | B90 | | | 8.2 | | | | | | | | | |
| 32 154.35+2.61 5.8 | 4:32:28.7 | 2 → 1 | | 0.03 | | | | | | | | | | UC, C($NH_3$), H |
| IRAS04323+5106 | 51: 6:39 | C | | | | | | | | | | | -36.1[8] | AFGL4124 |
| 33 160.14+3.16 2.7 | 4:57:56.6 | 2 → 1 | | 0.03 | | | | | | | | | | M($NH_3$,$H_2O$) |
| IRAS04579+4703 | 47: 3: 3 | Arc. | 67.7 | 2.1 | -16.9 | -19.8 | -15.9 | -17.8 | | 3.9 | | 57.6 | -16.5[3] | WB599 |
| 34 161.03+4.42 1.6 | 5: 7: 0.4 | 2 → 1 | | 0.03 | | | | | | | | | | |
| IRAS05070+4707 | 47: 7: 3 | Arc. | | 1.3 | | | | | | | | | -10.4[7] | WB608 |
| 35 168.06+0.82 12.0 | 5:13:45.8 | 2 → 1 | | 0.04 | | | | | | | | | | H, (M) |
| IRAS05137+3919 | 39:19: 1 | Arc. | 62.5 | 3.9 | -28.1 | -31.5 | -24.2 | -27.9 | | 7.3 | | 65.4 | -25.9[7] | WB621, ON-IRS1 |
| 36 170.66−0.27 6.9 | 5:16:53.7 | 2 → 1 | 0.04 | 0.01 | -18.1 | -21.6 | -16.4 | -19.0 | -18.8 ± 5.7 | 5.2 | 4.1 ± 0.5 | 0.2 ± 0.02 | 0.3 | M($NH_3$,$H_2O$), Bro |
| **IRAS05168+3634** | 36:34:21 | Arc. | 68.7 | 3.0 | -20.7 | -24.7 | -5.7 | -15.2 | | 19.0 | | 143.1 | -15.5[1] | WB626 |
| 37 174.20−0.08 1.7 | 5:27:27.6 | 2 → 1 | 0.05 | 0.01 | -3.0 | -8.2 | 3.8 | -2.2 | -3.5 ± 0.9 | 12.0 | 4.7 ± 0.5 | 0.3 ± 0.03 | -0.1 | M($NH_3$,$H_2O$), B90 |
| **IRAS05274+3345** | 33:45:37 | H | 66.7 | | 3.5 | -7.9 | 5.6 | -1.2 | | 13.5 | | 166 | -3.5[1] | Bro, AFGL5142, WB652 |
| 38 174.20−0.07 2.0 | 5:27:29.7 | 2 → 1 | 0.22 | 0.01 | -1.7 | -15.5 | 12.1 | -1.7 | -2.5 ± 0.3 | 27.6 | 13.1 ± 0.3 | 2.5 ± 0.1 | 0.0 | J(cont.), AFGL5142 |
| **JC05274+3345** | 33:45:38 | J | | | | | | | | | | | -4.0[9] | IRAS05274+3345 |
| 39 174.21−0.07 1.6 | 5:27:30.8 | 2 → 1 | | 0.02 | | | | | | | | | | (A) |
| AFGL5142 | 33:45:12 | Arc. | 105.7 | 1.9 | 4.3 | -14.3 | 6.8 | -3.8 | | 21.1 | | 307.0 | -3.4[4] | |

**Table B.2. (continued)**

| Source No. (l,b) [°] dist. [kpc] (1) | R.A. Dec. (1950) (2) | Line SiO Cat. (3) | $T_A^*$ [K] $F_{peak}$ [Jy] (4) | rms [K] [Jy] (5) | $V_{peak}$ [km/s] (6) | $V_{min}$ [km/s] (7) | $V_{max}$ [km/s] (8) | $V_{cen}$ [km/s] (9) | $V_{mean}$ [km/s] (10) | FW [km/s] (11) | Width [km/s] (12) | Area [K km/s] S [Jy km/s] (13) | P $V_{cloud}$ [km/s] (14) | Remarks (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40 208.99−19.38 0.5[a] | 5:32:47.0 | 2 → 1 | 3.39 | 0.11 | 8.8 | -27.4 | 43.3 | 7.9 | 8.4 ± 0.3 | 70.7 | 31.5 ± 0.2 | 98.6 ± 0.7 | 0.0 | (A), Gen |
| **Ori KL** | -5:24:24 | Arc. | 200900 | 4.1 | 7.5 | -10.0 | 25.0 | 7.5 | | 35.0 | | 165400 | 9.0[4] | |
| 41 172.88+2.27 - | 5:33:30.2 | 2 → 1 | | 0.02 | | | | | | | | | | |
| IRAS05335+3609 | 36: 9: 1 | Arc. | 16.0 | 2.4 | -16.1 | -18.3 | -13.9 | -16.1 | | 4.4 | | 18.1 | -17.3[7] | WB668 |
| 42 210.38−19.78 0.5[a] | 5:33:45.8 | 2 → 1 | | 0.03 | | | | | | | | | | |
| HH3 | -6:44:53 | Has | | | | | | | | | | | - | |
| 43 210.42−19.76 0.5[a] | 5:33:53.2 | 2 → 1 | | 0.03 | | | | | | | | | | |
| HH1-$H_2O$ | -6:46:50 | Arc. | | 2.9 | | | | | | | | | 9.0[19] | |
| 44 210.43−19.76 0.5[a] | 5:33:54.7 | 2 → 1 | | 0.02 | | | | | | | | | | (A) |
| HH1-D | -6:46:58 | Has | | | | | | | | | | | 9.0[19] | |
| 45 210.44−19.76 0.5[a] | 5:33:55.6 | 2 → 1 | | 0.03 | | | | | | | | | | |
| C-SSTAR | -6:47:25 | Has | | | | | | | | | | | 9.0[19] | |
| 46 210.47−19.76 0.5[a] | 5:33:59.7 | 2 → 1 | | 0.03 | | | | | | | | | | |
| HH2-H | -6:49: 4 | Has | | | | | | | | | | | 9.0[19] | |
| 47 176.52+0.18 - | 5:34:32.6 | 2 → 1 | | 0.02 | | | | | | | | | | M($NH_3$,$H_2O$) |
| IRAS05345+3157 | 31:57:40 | H | 0.6 | | -19.9 | -25.5 | -15.3 | -20.4 | | 10.2 | | 1.5 | -18.4[3] | AFGL5157, WB671 |
| 48 173.17+2.35 2.0[c] | 5:34:35.9 | 2 → 1 | 0.09 | 0.02 | -20.6 | -24.1 | -15.5 | -19.8 | -19.5 ± 5.3 | 8.6 | 3.1 ± 0.5 | 0.4 ± 0.02 | -0.2 | Bro |
| **IRAS05345+3556** | 35:56:57 | Arc. | 13.3 | 0.9 | -18.2 | -22.8 | -14.3 | -18.5 | 8.5 | | | 20.4 | -20.2[1] | WB673, S231/233 |
| 49 176.52+0.20 - | 5:34:37.9 | 2 → 1 | | 0.02 | | | | | | | | | | |
| AFGL5157 | 31:57:51 | Arc. | 127.2 | 1.8 | -27.1 | -58.6 | -11.2 | -34.9 | | 47.4 | | 349.0 | -18.6[7] | IRAS05345+3157, WB671 |
| 50 173.48+2.43 2.0[c] | 5:35:48.8 | 2 → 1 | 0.11 | 0.01 | -16.9 | -25.5 | -11.7 | -18.6 | -18.6 ± 2.5 | 13.8 | 7.6 ± 0.4 | 0.8 ± 0.04 | 0.2 | Bro, Cha |
| **IRAS05358+3543** | 35:43:41 | H | 0.2 | | -16.8 | -18.8 | -14.8 | -16.8 | | 4.0 | | 0.8 | -17.6[1] | WB673, S231/233 |
| 51 173.48+2.45 2.0[c] | 5:35:51.3 | 2 → 1 | 0.24 | 0.03 | -18.1 | -25.0 | -11.2 | -18.1 | -17.3 ± 2.0 | 13.8 | 6.6 ± 0.3 | 1.8 ± 0.1 | 0.0 | P173.48+2.45, Men |
| **S231** | 35:44:16 | Arc. | 238.3 | 7.7 | -17.2 | -18.1 | -16.4 | -17.2 | | 1.7 | | 237.3 | -15.8[2] | |
| 52 182.68−3.27 - | 5:36:23.6 | 2 → 1 | | 0.04 | | | | | | | | | | |
| IRAS05363+2454 | 24:54:56 | Arc. | 46.4 | 4.7 | -5.3 | -6.6 | -4.5 | -5.6 | | 2.1 | | 26.9 | - | |
| 53 183.72−3.66 1.8 | 5:37:21.8 | 2 → 1 | | 0.03 | | | | | | | | | | Arc., M($NH_3$,$H_2O$), J, A |
| GGD4 | 23:49:24 | H | 48.5 | | 5.4 | -5.4 | 8.4 | 1.5 | | 13.8 | | 96 | 2.4[4] | WB685, IRAS05373+2349 |
| 54 173.72+2.70 1.7[c] | 5:37:31.8 | 2 → 1 | | 0.03 | | | | | | | | | | P173.72+2.70, A |
| S235 | 35:40:18 | Arc. | 6.8 | 0.3 | 0.9 | -71.4 | 1.5 | -35.0 | | 72.9 | | 34.9 | -17.2[2] | GGD5-6, IRAS05375+3540 |
| 55 173.71+2.70 1.7[c] | 5:37:32.1 | 2 → 1 | | 0.02 | | | | | | | | | | Bro |
| IRAS05375+3540 | 35:40:45 | H | 6.2 | | -58.8 | -64.0 | 5.8 | -29.1 | | 69.8 | | 18 | -16.6[1] | S235B |
| 56 173.63+2.81 1.7[c] | 5:37:46.7 | 2 → 1 | | 0.02 | | | | | | | | | | |
| IRAS05377+3548 | 35:48:25 | H | 0.7 | | -22.0 | -22.3 | -21.7 | -22.0 | | 0.6 | | 0.5 | - | S235 (UNKN) |
| 57 173.37+3.03 1.9[c] | 5:38: 0.9 | 2 → 1 | | 0.03 | | | | | | | | | | |
| IRAS05380+3608 | 36: 8:27 | Arc. | | 1.3 | | | | | | | | | -21.5[7] | WB690, S232 |
| 58 205.11−14.11 0.5[a] | 5:44:31.3 | 2 → 1 | 0.07 | 0.02 | 11.6 | 8.1 | 18.5 | 13.3 | 13.2 ± 2.9 | 10.4 | 7.6 ± 0.6 | 0.6 ± 0.1 | -0.3 | A |
| **NGC2071** | 00:28:48 | Arc. | 598.7 | 9.6 | 15.9 | -8.0 | 19.4 | 5.7 | | 27.4 | | 971.7 | 9.6[4] | IRAS05445+0020 |
| 59 205.18−14.33 0.5[a] | 5:44:33.7 | 2 → 1 | | 0.05 | | | | | | | | | | H |
| IRAS05445+0016 | 0:16:44 | Arc. | 4.7 | 0.7 | 10.9 | 8.3 | 17.7 | 13.0 | | 9.4 | | 9.4 | - | HDE 290861 (UNKN) |

**Table B.2. (continued)**

| Source<br>No. (l,b) dist.<br>[°] [kpc]<br>(1) | R.A.<br>Dec.<br>(1950)<br>(2) | Line<br>SiO<br>Cat.<br>(3) | $T_A^\star$<br>[K]<br>$F_{peak}$<br>[Jy]<br>(4) | rms<br>[K]<br>[Jy]<br>(5) | $V_{peak}$<br>[km/s]<br>(6) | $V_{min}$<br>[km/s]<br>(7) | $V_{max}$<br>[km/s]<br>(8) | $V_{cen}$<br>[km/s]<br>(9) | $V_{mean}$<br>[km/s]<br>(10) | FW<br>[km/s]<br>(11) | Width<br>[km/s]<br>(12) | Area<br>[K km/s]<br>S<br>[Jy km/s]<br>(13) | P<br>$V_{cloud}$<br>[km/s]<br>(14) | Remarks<br>(15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 185.31−2.14 - | 5:46:39.4 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | |
| IRAS05466+2316 | 23:16:12 | Arc. | 6.9 | 1.5 | -3.1 | -98.4 | 50.2 | -24.1 | | 148.6 | | 11.9 | 0.0[7] | WB709 |
| 61 187.30−3.23 0.6[h] | 5:47: 3.8 | $2 \rightarrow 1$ | | 0.02 | | | | | | | | | | |
| HH290N1 | 21: 0:11 | Mor | | | | | | | | | | | 0.7[20] | |
| 62 187.32−3.23 0.6[h] | 5:47: 5.1 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | |
| HH290S | 20:59: 4 | Mor | | | | | | | | | | | 0.7[20] | |
| 63 192.16−3.82 1.3 | 5:55:20.3 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | H, M($NH_3$,$H_2O$), Bro |
| IRAS05553+1631 | 16:31:46 | Arc. | 85.7 | 1.1 | 10.9 | -8.9 | 18.4 | 4.8 | | 27.3 | | 115.7 | 5.7[1] | AFGL5173, WB724 |
| 64 180.83+3.99 3.8[c] | 6: 0:10.2 | $2 \rightarrow 1$ | | 0.02 | | | | | | | | | | |
| IRAS06001+3014 | 30:14:19 | Arc. | 6.5 | 1.8 | 16.1 | 15.0 | 17.4 | 16.2 | | 2.4 | | 5.8 | -5.9[7] | WB733, S241 |
| 65 180.87+4.09 3.8[c] | 6: 0:40.9 | $2 \rightarrow 1$ | | 0.02 | | | | | | | | | | P180.87+4.09 |
| S241 | 30:14:54 | Arc. | | 1.8 | | | | | | | | | -8.2[2] | IRAS06006+3015 |
| 66 180.87+4.09 3.8[c] | 6: 0:41.4 | $2 \rightarrow 1$ | | 0.02 | | | | | | | | | | |
| IRAS06006+3015 | 30:15: 5 | H | 6.8 | | -6.9 | -14.5 | 21.7 | 3.6 | | 36.2 | | 10 | - | AFGL5176, S241 |
| 67 189.77+0.34 2.8 | 6: 5:33.9 | $2 \rightarrow 1$ | | 0.02 | | | | | | | | | | Bro, Cha |
| IRAS06055+2039 | 20:39:47 | H | 1.3 | | 10.1 | 9.3 | 10.9 | 10.1 | | 1.6 | | 1.9 | 8.8[1] | S252 A |
| 68 189.78+0.35 3.0 | 6: 5:36.6 | $2 \rightarrow 1$ | | 0.02 | | | | | | | | | | P189.78+0.34, (A), Cha |
| S252 A3 | 20:39:44 | Arc. | 89.3 | 1.3 | 9.2 | 8.8 | 22.1 | 15.5 | | 13.3 | | 90.9 | 9.4[2] | (Men), NGC2075 |
| 69 189.03+0.78 0.7 | 6: 5:40.9 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | Arc., M($NH_3$), Cha |
| IRAS06056+2131 | 21:31:32 | H | 0.5 | | 3.1 | 2.8 | 3.4 | 3.1 | | 0.6 | | 0.4 | 2.6[3] | AFGL 6366S, WB750 |
| 70 188.95+0.89 0.9 | 6: 5:53.7 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | (H), A, (Bro), Men |
| AFGL5180 | 21:39: 9 | Arc. | 39.2 | 2.8 | 8.3 | -3.7 | 8.5 | 2.4 | | 12.2 | | 53.8 | 3.2[4] | IRAS06058+2138 |
| 71 188.80+1.03 - | 6: 6: 7.3 | $2 \rightarrow 1$ | | 0.05 | | | | | | | | | | H, M($NH_3$,$H_2O$), Bro, Cha |
| IRAS06061+2151 | 21:51:12 | Arc. | 128.2 | 3.8 | -10.1 | -21.3 | 12.7 | -4.3 | | 34.0 | | 409.5 | -0.7[1] | WB755, AFGL5182 |
| 72 189.86+0.51 3.0 | 6: 6:23.0 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | UC, H, Bro |
| IRAS06063+2040 | 20:40: 2 | M | | | | | | | | | | | 9.5[1] | AFGL5183, WB760 |
| 73 189.05+1.07 0.4 | 6: 6:47.8 | $2 \rightarrow 1$ | | 0.07 | | | | | | | | | | Bro |
| IRAS06067+2138 | 21:38:47 | Arc. | 148.6 | 3.4 | 4.8 | -6.8 | 5.9 | -0.5 | | 12.7 | | 254.9 | 1.4[1] | WB763 |
| 74 192.60−0.05 1.9 | 6: 9:58.2 | $2 \rightarrow 1$ | | 0.04 | | | | | | | | | | P192.60-0.05, (H), A, Cha |
| S255/257 | 18: 0:17 | Arc. | 31.0 | 1.2 | 7.1 | -0.2 | 15.0 | 7.4 | | 15.2 | | 60.8 | 8.2[2] | IRAS06099+1800 |
| 75 194.93−1.23 3.4 | 6:10:23.0 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | UC, M($NH_3$), Bro |
| IRAS06103+1523 | 15:23:28 | M | | | | | | | | | | | 15.5[1] | S255, AFGL5186, WB777 |
| 76 192.72+0.04 1.7 | 6:10:33.0 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | H, M($NH_3$), Bro |
| IRAS06105+1756 | 17:56:22 | M | | | | | | | | | | | 7.5[1] | S258, WB779 |
| 77 196.45−1.68 3.7 | 6:11:46.3 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | (H), A, (Bro), Cha |
| S269 | 13:50:31 | Arc. | 150.4 | 1.1 | 19.4 | 16.0 | 20.9 | 18.5 | | 4.9 | | 127.5 | 17.9[1] | (Men), IRAS06117+1350 |
| 78 188.56+3.56 - | 6:15:32.7 | $2 \rightarrow 1$ | | 0.04 | | | | | | | | | | UC, H, Bro |
| IRAS06155+2319 | 23:19:26 | M | | | | | | | | | | | -6.1[1] | BFS51, WB792 |
| 79 206.84−2.38 1.6 | 6:29: 9.3 | $2 \rightarrow 1$ | | 0.04 | | | | | | | | | | M($H_2O$) |
| IRAS06291+0421 | 4:21:44 | Arc. | 13.7 | 2.3 | 10.1 | -58.3 | 79.1 | 10.4 | | 137.4 | | 9.5 | 14.0[7] | WB817 |

**Table B.2. (continued)**

| Source No. (l,b) [°] dist. [kpc] (1) | R.A. Dec. (1950) (2) | Line SiO Cat. (3) | $T_A^\star$ [K] $F_{peak}$ [Jy] (4) | rms [K] [Jy] (5) | $V_{peak}$ [km/s] (6) | $V_{min}$ [km/s] (7) | $V_{max}$ [km/s] (8) | $V_{cen}$ [km/s] (9) | $V_{mean}$ [km/s] (10) | FW [km/s] (11) | Width [km/s] (12) | Area [K km/s] S [Jy km/s] (13) | P $V_{cloud}$ [km/s] (14) | Remarks (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 206.78−1.94 1.6 | 6:30:37.3 | $2 \rightarrow 1$ | | 0.02 | | | | | | | | | | Bro |
| IRAS06306+0437 | 4:37:16 | Arc. | 6.5 | 1.1 | 10.1 | 9.4 | 11.4 | 10.4 | | 2.0 | | 3.2 | 14.0[7] | WB828 |
| 81 207.32−2.15 0.8 | 6:30:52.7 | $2 \rightarrow 1$ | | 0.04 | | | | | | | | | | Arc., M |
| IRAS06308+0402 | 4: 2:27 | H | 1.4 | | 8.2 | 7.8 | 8.6 | 8.2 | | 0.8 | | 1 | 7.6[7] | RNO73, WB831 |
| 82 203.20+2.08 0.6 | 6:38:17.8 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | UC, M($NH_3$) |
| IRAS06382+0939 | 9:39: 3 | M | | | | | | | | | | | 5.2[3] | WB861, V356Mon, Mon OB1-D |
| 83 203.25+2.08 0.8 | 6:38:22.8 | $2 \rightarrow 1$ | | 0.02 | | | | | | | | | | |
| NGC2264-out | 9:36:35 | Arc. | 19.7 | 1.0 | 14.2 | -0.2 | 15.1 | 7.5 | | 15.3 | | 30.6 | 7.0[11] | S273 |
| 84 203.32+2.06 0.9 | 6:38:26.2 | $2 \rightarrow 1$ | 0.28 | 0.02 | 7.7 | 0.8 | 18.0 | 9.4 | 8.9 ± 0.7 | 17.2 | 9.3 ± 0.2 | 2.4 ± 0.1 | -0.2 | (A) |
| **IRAS06384+0932** | 9:32:25 | H | 12.9 | | 7.5 | -8.5 | 9.0 | 0.2 | | 17.5 | | 11 | 7.6[4] | NGC2264 |
| 85 212.25−1.10 5.6 | 6:43:41.7 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | P212.25-1.10, (Bro) |
| G212.25-1.10 | 0: 9:34 | Arc. | 11.1 | 1.7 | 33.6 | 32.8 | 34.4 | 33.6 | | 1.6 | | 25.4 | 42.3[1] | IRAS06437+0009 |
| 86 212.06−0.74 6.2 | 6:44:38.6 | $2 \rightarrow 1$ | | 0.02 | | | | | | | | | | Bro |
| IRAS06446+0029 | 0:29:26 | Arc. | 88.5 | 2.1 | 44.8 | 29.1 | 60.3 | 44.7 | | 31.2 | | 186.2 | 45.0[1] | WB886 |
| 87 211.60+1.06 6.4 | 6:50: 9.9 | $2 \rightarrow 1$ | | 0.02 | | | | | | | | | | Bro |
| IRAS06501+0143 | 1:43:58 | Arc. | 55.4 | 1.6 | 52.0 | 40.1 | 53.3 | 46.7 | | 13.2 | | 78.8 | 45.5[1] | |
| 88 30.83+5.20 - | 18:26:32.6 | $2 \rightarrow 1$ | | 0.05 | | | | | | | | | | |
| IRAS18265+0028 | 0:28:35 | Arc. | 60.0 | 3.2 | 5.3 | 4.6 | 8.5 | 6.6 | | 3.9 | | 65.6 | - | |
| 89 31.58+5.38 0.8 | 18:27:17.4 | $2 \rightarrow 1$ | | 0.04 | | | | | | | | | | |
| J18273+0113 | 1:13:16 | J | 0.74 | | 35 | | | | | | | | 9.8[9] | GGD29, IRAS18273+0113 |
| 90 34.40+0.23 3.9 | 18:50:45.2 | $2 \rightarrow 1$ | 0.26 | 0.05 | 60.1 | 54.9 | 63.5 | 59.2 | 59.4 ± 12.8 | 8.6 | 5.0 ± 0.4 | 1.4 ± 0.1 | 0.2 | M($NH_3$,$H_2O$), Bro |
| **IRAS18507+0121** | 1:21: 9 | Arc. | 72.2 | 1.7 | 56.3 | 33.0 | 65.5 | 49.2 | | 32.5 | | 350.0 | 57.3[1] | WCSS34.25+0.14 |
| 91 34.26+0.15 4.0 | 18:50:46.4 | $2 \rightarrow 1$ | 0.26 | 0.02 | 58.4 | 51.5 | 72.2 | 61.8 | 60.4 ± 4.5 | 20.7 | 11.4 ± 0.3 | 2.5 ± 0.1 | -0.3 | (C), G, P34.26+0.15, (Hof), A, (Bro) |
| **W44** | 1:11:10 | Arc. | 671.8 | 4.1 | 54.1 | 39.2 | 64.5 | 51.8 | | 25.3 | | 2413.0 | 58.9[2] | (Gen), (Men) IRAS18507+0110 |
| 92 40.49+2.54 2.3 | 18:53:45.6 | $2 \rightarrow 1$ | 0.15 | 0.03 | 32.9 | 29.4 | 38.0 | 33.7 | 33.7 ± 5.8 | 8.6 | 5.8 ± 0.4 | 1.0 ± 0.1 | -0.2 | P40.49+2.54, (Z94), (J) |
| **S76E** | 7:49:16 | P | | | | | | | | | | | 31.9[2] | IRAS18537+0749 |
| 93 40.50+2.54 2.4 | 18:53:47.0 | $2 \rightarrow 1$ | 0.07 | 0.02 | 30.8 | 29.0 | 44.6 | 36.8 | 32.2 ± 10.7 | 15.6 | 3.2 ± 0.6 | 0.3 ± 0.04 | -0.8 | A, (Z94), Cha, (J) |
| **S76E** | 7:49:26 | Arc. | 101.7 | 3.5 | 31.7 | 24.1 | 39.3 | 31.7 | | 15.2 | | 301.5 | 33.1[4] | S76E, IRAS18537+0749 |
| 94 35.58−0.03 3.7 | 18:53:51.0 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | P35.58-0.03, A, (Bro) |
| G35.58-0.03 | 2:16:27 | Arc. | 85.7 | 3.5 | 49.7 | 49.3 | 59.4 | 54.3 | | 10.1 | | 200.9 | 54.1[2] | IRAS18538+0216 |
| 95 35.20−1.74 3.0 | 18:59:13.8 | $2 \rightarrow 1$ | | 0.04 | | | | | | | | | | J(cont.), (C($NH_3$,$H_2O$)), (Hof), (A), |
| JC18592+0108 | 1: 9: 3 | J | | | | | | | | | | | 43.1[4] | (Men), W48, IRAS18592+0108 |
| 96 42.41−0.26 5.1 | 19: 7:22.3 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | UC, C($NH_3$) |
| G42.41-0.26 | 8:13:36 | C | | | | | | | | | | | 64.3[8] | |
| 97 42.42−0.27 5.2 | 19: 7:25.0 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | UC, C($NH_3$) |
| G42.42-0.27 | 8:13:48 | C | | | | | | | | | | | 64.9[8] | |
| 98 43.17+0.01 11.9 | 19: 7:49.8 | $2 \rightarrow 1$ | 0.47 | 0.02 | 5.9 | -7.9 | 26.6 | 9.4 | 7.1 ± 0.3 | 34.5 | 15.4 ± 0.2 | 7.2 ± 0.1 | -0.2 | P43.17+0.01, A, Men |
| **W49 N** | 9: 1:17 | Arc. | 29980.0 | 4.1 | 10.2 | -32 | 52 | 10 | | 84 | | 111000 | 6.5[2] | IRAS19078+0901 |
| 99 43.16−0.03 11.2 | 19: 7:58.2 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | P43.16-0.03, A |
| W49 S | 9: 0: 3 | Arc. | 1794.0 | 9.8 | 11.2 | -32 | 52 | 10 | | 84 | | 14960 | 16.0[2] | |
| 100 44.00−0.01 - | 19: 9:29.2 | $2 \rightarrow 1$ | | 0.04 | | | | | | | | | | UC, M($NH_3$) |
| IRAS19094+0944 | 9:44:42 | M | | | | | | | | | | | 65.3[3] | |

**Table B.2. (continued)**

| No. Source (l,b) [°] dist. [kpc] (1) | R.A. Dec. (1950) (2) | Line SiO Cat. (3) | $T_A^\star$ [K] $F_{peak}$ [Jy] (4) | rms [K] [Jy] (5) | $V_{peak}$ [km/s] (6) | $V_{min}$ [km/s] (7) | $V_{max}$ [km/s] (8) | $V_{cen}$ [km/s] (9) | $V_{mean}$ [km/s] (10) | FW [km/s] (11) | Width [km/s] (12) | Area [K km/s] S [Jy km/s] (13) | P $V_{cloud}$ [km/s] (14) | Remarks (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 101 43.80−0.13 3.3 | 19: 9:31.2 | 2 → 1 | 0.11 | 0.02 | 44.9 | 41.4 | 48.3 | 44.8 | 44.6 ± 10.8 | 6.9 | 4.1 ± 0.4 | 0.4 ± 0.04 | 0.0 | P43.80-0.13, A, (Men) |
| **OH 43.8-0.1** | 9:30:51 | Arc. | 2199.0 | 8.3 | 42.3 | 34.2 | 49.1 | 41.7 | | 14.9 | | 2756.0 | 44.3[2] | IRAS19095+0930 |
| 102 45.12+0.13 5.1 | 19:11: 6.2 | 2 → 1 | | 0.03 | | | | | | | | | | UC, C($NH_3$), (Bro), Cha |
| G45.12+0.13 | 10:48:26 | C | | | | | | | | | | | 59.0[1] | IRAS19111+1048 |
| 103 49.29−0.06 - | 19:19:50.1 | 2 → 1 | | 0.04 | | | | | | | | | | UC, M($NH_3$), Bro |
| IRAS19198+1423 | 14:23:33 | M | | | | | | | | | | | 59.6[1] | |
| 104 49.49−0.37 7.2[c] | 19:21:22.4 | 2 → 1 | 0.24 | 0.02 | 63.6 | 44.6 | 72.2 | 58.4 | 59.7 ± 3.3 | 27.6 | 15.3 ± 0.3 | 3.5 ± 0.1 | 0.4 | G, (C($NH_3$,$H_2O$)), P49.49-0.37, (A) |
| **W51 N** | 14:25:13 | Arc. | 1398 | 6.4 | 5.5 | | | | | | | 16590 | 60.9[2] | IRAS19213+1424 (STRN), (Gen) |
| 105 52.10+1.04 4.1 | 19:21:22.9 | 2 → 1 | | 0.02 | | | | | | | | | | M($NH_3$,$H_2O$) |
| IRAS19213+1723 | 17:23: 6 | Arc. | 219.8 | 3.4 | -26.8 | -34.8 | -19.4 | -27.1 | | 15.4 | | 1048.0 | 41.7[3] | |
| 106 49.49−0.39 7.2[c] | 19:21:26.2 | 2 → 1 | 0.70 | 0.03 | 56.5 | 44.4 | 73.7 | 59.0 | 57.5 ± 2.2 | 29.3 | 12.7 ± 0.2 | 8.0 ± 0.1 | -0.2 | (G), (P49.49-0.39), (A), (Gen) |
| **W51 M** | 14:24:44 | Arc. | 2460.0 | 1.7 | 55.6 | | | | | | | 18240.0 | 56.5[2] | (Men) |
| 107 53.63+0.02 2.1 | 19:28:14.7 | 2 → 1 | | 0.04 | | | | | | | | | | UC, M($NH_3$), Bro |
| IRAS19282+1814 | 18:14:32 | M | | | | | | | | | | | 23.6[1] | KCW53.605+0.046 |
| 108 53.71−0.07 - | 19:28:45.2 | 2 → 1 | | 0.02 | | | | | | | | | | |
| IRAS19287+1816 | 18:16: 5 | Arc. | 11.4 | 1.0 | 24.5 | 22.5 | 33.6 | 28.0 | | 11.1 | | 21.0 | - | |
| 109 56.37−0.63 3.5 | 19:36:20.5 | 2 → 1 | | 0.02 | | | | | | | | | | Bro |
| IRAS19363+2018 | 20:18:28 | Arc. | 22.7 | 2.7 | 36.1 | 24.8 | 41.9 | 33.3 | | 17.1 | | 63.2 | 32.4[1] | |
| 110 58.47+0.43 - | 19:36:49.8 | 2 → 1 | 0.14 | 0.02 | 36.9 | 31.7 | 42.0 | 36.8 | 37.3 ± 5.5 | 10.3 | 5.3 ± 0.3 | 0.7 ± 0.04 | 0.0 | UC, M($NH_3$), Bro |
| **IRAS19368+2239** | 22:39:37 | M | | | | | | | | | | | 36.7[1] | |
| 111 59.83+0.67 - | 19:38:52.6 | 2 → 1 | | 0.04 | | | | | | | | | | M($NH_3$,$H_2O$), Bro |
| IRAS19388+2357 | 23:57:36 | Arc. | 34.5 | 3.9 | 50.3 | 48.9 | 51.7 | 50.3 | | 2.8 | | 43.3 | 34.4[1] | |
| 112 59.78+0.06 2.4 | 19:41: 4.2 | 2 → 1 | | 0.04 | | | | | | | | | | P59.78+0.06, (Bro), Men |
| G59.78+0.06 | 23:36:42 | Arc. | 432.4 | 3.3 | 26.4 | 18.1 | 30.3 | 24.2 | | 12.2 | | 623.9 | 22.3[2] | V645Cyg, IRAS19410+2336 |
| 113 60.88−0.13 2.5 | 19:44:14.0 | 2 → 1 | | 0.02 | | | | | | | | | | (C($NH_3$)), (Bro), Cha |
| S87 | 24:27:58 | Arc. | | 2.6 | | | | | | | | | 21.7[1] | IRAS19442+2427 |
| 114 60.89−0.13 2.7 | 19:44:14.0 | 2 → 1 | | 0.03 | | | | | | | | | | J(cont.), P60.89-0.13, (C($NH_3$)) |
| S87 FIR 2 | 24:28:10 | J | | | | | | | | | | | 22.8[2] | (Bro), IRAS19442+2427 |
| 115 63.12+0.34 4.5[c] | 19:47:28.7 | 2 → 1 | | 0.05 | | | | | | | | | | |
| IRAS19474+2637 | 26:37:37 | Arc. | 1398.0 | 1.9 | 21.1 | 18.9 | 24.6 | 21.8 | | 5.7 | | 1868.0 | - | S90 |
| 116 70.29+1.60 8.3 | 19:59:50.0 | 2 → 1 | 0.09 | 0.03 | -23.7 | -25.4 | -22.0 | -23.7 | -23.8 ± 8.6 | 3.4 | 2.9 ± 0.5 | 0.3 ± 0.04 | 0.0 | C($NH_3$,$H_2O$), P70.29+1.60, A |
| **K3-50** | 33:24:17 | Arc. | 11.2 | 0.8 | -19.4 | -35.7 | -18.3 | -27.0 | | 17.4 | | 23.4 | -24.0[2] | IRAS19598+3324, Cha, (Bro) |
| 117 65.78−2.61 0.7 | 20: 5: 2.5 | 2 → 1 | 0.07 | 0.02 | 6.9 | 5.2 | 12.1 | 8.6 | 8.0 ± 2.4 | 6.9 | 4.3 ± 0.5 | 0.4 ± 0.04 | -0.5 | M($NH_3$,$H_2O$), Bro |
| **IRAS20050+2720** | 27:20: 9 | Arc. | 68.5 | 1.1 | -2.0 | -7.7 | 6.1 | -0.8 | | 13.8 | | 91.0 | 5.8[1] | |
| 118 71.31+0.83 1.5 | 20: 5:36.0 | 2 → 1 | | 0.01 | | | | | | | | | | M($NH_3$,$H_2O$), J, Bro |
| IRAS20056+3350 | 33:50:53 | Arc. | 124.8 | 1.6 | 8.4 | 3.9 | 14.7 | 9.3 | | 10.8 | | 160.1 | 8.8[1] | |
| 119 69.54−0.98 2.0 | 20: 8: 9.9 | 2 → 1 | 0.14 | 0.01 | 12.5 | 2.2 | 21.1 | 11.7 | 11.8 ± 1.1 | 18.9 | 10.3 ± 0.3 | 1.2 ± 0.04 | 0.1 | P69.54-0.98, (Bro), (A), Men |
| **ON 1** | 31:22:42 | Arc. | 104.6 | 3.6 | 15.1 | -70.5 | 16.9 | -26.8 | | 87.4 | | 318.5 | 11.7[2] | IRAS20081+3122 |
| 120 74.16+1.64 8.7 | 20: 9:54.6 | 2 → 1 | | 0.05 | | | | | | | | | | UC, M($NH_3$) |
| IRAS20099+3640 | 36:40:35 | M | | | | | | | | | | | -36.4[3] | |
| 121 73.48+1.02 1.7 | 20:10:38.0 | 2 → 1 | | 0.05 | | | | | | | | | | UC, M($NH_3$) |
| IRAS20106+3545 | 35:45:42 | M | | | | | | | | | | | 7.8[3] | |
| 122 71.53−0.40 - | 20:11: 5.1 | 2 → 1 | | 0.02 | | | | | | | | | | |
| IRAS20110+3321 | 33:21:11 | Arc. | 176.1 | 1.4 | 16.4 | 13.4 | 18.0 | 15.7 | | 4.6 | | 255.1 | - | |

**Table B.2. (continued)**

| Source No. (l,b) [°] dist. [kpc] (1) | R.A. Dec. (1950) (2) | Line SiO Cat. (3) | $T_A^*$ [K] $F_{peak}$ [Jy] (4) | rms [K] [Jy] (5) | $V_{peak}$ [km/s] (6) | $V_{min}$ [km/s] (7) | $V_{max}$ [km/s] (8) | $V_{cen}$ [km/s] (9) | $V_{mean}$ [km/s] (10) | FW [km/s] (11) | Width [km/s] (12) | Area [K km/s] S [Jy km/s] (13) | P $V_{cloud}$ [km/s] (14) | Remarks (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 78.12+3.63 4.2 | 20:12:41.0 | 2 → 1 | | 0.03 | | | | | | | | | | M($NH_3$,$H_2O$), Bro |
| IRAS20126+4104 | 41: 4:20 | Arc. | 71.7 | 0.8 | -5.4 | -27.5 | 23.6 | -1.9 | | 51.1 | | 119.4 | -3.8[1] | |
| 124 75.29+1.32 10.6 | 20:14:24.7 | 2 → 1 | | 0.03 | | | | | | | | | | Bro |
| IRAS20144+3726 | 37:26:22 | Arc. | 36.1 | 1.0 | -56.8 | -65.3 | -54.3 | -59.8 | | 11.0 | | 71.1 | -57.0[1] | |
| 125 76.93+2.04 - | 20:16: 5.2 | 2 → 1 | | 0.03 | | | | | | | | | | |
| IRAS20160+3911 | 39:11:22 | Arc. | 27.6 | 1.5 | -5.6 | -6.2 | -4.6 | -5.4 | | 1.6 | | 18.8 | - | RAFGL2549 |
| 126 77.47+1.77 3.2 | 20:18:50.0 | 2 → 1 | 0.18 | 0.01 | 2.7 | -7.7 | 14.8 | 3.6 | 3.1 ± 0.4 | 22.5 | 8.9 ± 0.2 | 1.5 ± 0.02 | -0.1 | J(cont.) |
| **JC20188+3928B** | 39:28:45 | J | | | | | | | | | | | 2.2[9] | |
| 127 77.46+1.76 3.3 | 20:18:50.7 | 2 → 1 | 0.08 | 0.02 | 3.3 | -10.2 | 9.9 | -0.2 | 4.7 ± 1.1 | 20.1 | 7.3 ± 0.5 | 0.6 ± 0.1 | 0.3 | M($NH_3$,$H_2O$), Bro |
| **IRAS20188+3928** | 39:28:18 | Arc. | 21.2 | 1.3 | -1.1 | -2.3 | -0.4 | -1.4 | | 1.9 | | 14.9 | 2.1[1] | S108, Cha |
| 128 77.47+1.76 3.2 | 20:18:50.8 | 2 → 1 | 0.16 | 0.03 | 1.0 | -2.5 | 6.1 | 1.8 | 1.7 ± 0.5 | 8.6 | 5.7 ± 0.4 | 0.9 ± 0.1 | -0.2 | |
| **J20188+3928B** | 39:28:38 | J | 0.21 | | 4 | | | | | | | | 2.2[9] | IRAS20188+3928 |
| 129 75.76+0.34 4.4 | 20:19:48.9 | 2 → 1 | | 0.03 | | | | | | | | | | P75.76+0.34, A, (Bro) |
| ON 2 S | 37:15:52 | Arc. | 86.3 | 2.6 | 2.7 | -9.4 | 3.2 | -3.1 | | 12.6 | | 81.0 | -1.2[2] | IRAS20198+3716 |
| 130 75.78+0.34 4.1 | 20:19:51.8 | 2 → 1 | 0.08 | 0.01 | -0.2 | -7.1 | 6.7 | -0.2 | -0.4 ± 0.5 | 13.8 | 8.3 ± 0.4 | 0.7 ± 0.04 | 0.0 | C($NH_3$,$H_2O$), P75.78+0.34 |
| **ON 2 N** | 37:17: 1 | Arc. | 266.1 | 2.3 | 2.4 | -1.0 | 2.8 | 0.9 | | 3.8 | | 316.9 | 0.2[2] | Hof, A |
| 131 78.04+1.49 3.7 | 20:21:43.3 | 2 → 1 | | 0.05 | | | | | | | | | | UC, M($NH_3$) |
| IRAS20217+3947 | 39:47:39 | M | | | | | | | | | | | -0.9[3] | |
| 132 76.19+0.10 4.5 | 20:22: 3.6 | 2 → 1 | | 0.04 | | | | | | | | | | UC, M($NH_3$), Bro, Cha |
| IRAS20220+3728 | 37:28:25 | M | | | | | | | | | | | -2.7[1] | KCW76.188+0.098 |
| 133 79.89+2.55 - | 20:22:46.3 | 2 → 1 | | 0.03 | | | | | | | | | | M($NH_3$,$H_2O$), Bro |
| IRAS20227+4154 | 41:54:29 | Arc. | 43.6 | 3.5 | -2.1 | -3.4 | -0.1 | -1.8 | | 3.3 | | 48.8 | 5.8[1] | |
| 134 76.38−0.62 4.4 | 20:25:32.8 | 2 → 1 | | 0.02 | | | | | | | | | | P76.38-0.62, (Bro), Cha |
| S106 | 37:12:54 | Arc. | | 4.1 | | | | | | | | | -2.5[2] | IRAS20255+3712 |
| 135 78.89+0.71 4.2 | 20:27:36.0 | 2 → 1 | | 0.02 | | | | | | | | | | (C($NH_3$,$H_2O$)), P78.89+0.71 |
| AFGL 2591 | 40: 1:16 | Arc. | 28.4 | 1.7 | -8.8 | -25.5 | 4.5 | -10.5 | | 30.0 | | 158.8 | -5.6[2] | IRAS20275+4001, J, A |
| 136 75.15−2.09 5.0 | 20:27:51.0 | 2 → 1 | | 0.03 | | | | | | | | | | UC, M($NH_3$) |
| IRAS20278+3521 | 35:21:33 | M | | | | | | | | | | | -4.5[3] | |
| 137 79.87+1.18 3.7 | 20:28:40.6 | 2 → 1 | | 0.04 | | | | | | | | | | M($NH_3$,$H_2O$), Bro |
| IRAS20286+4105 | 41: 5:39 | Arc. | 19.2 | 2.4 | -6.9 | -7.9 | -4.2 | -6.1 | | 3.7 | | 31.1 | -3.9[1] | Cha |
| 138 79.30+0.28 1.5 | 20:30:39.4 | 2 → 1 | | 0.02 | | | | | | | | | | UC |
| IRAS20306+4005 | 40: 5:50 | Bro | | | | | | | | | | | 3.7[1] | |
| 139 79.35+0.00 - | 20:31:59.7 | 2 → 1 | | 0.03 | | | | | | | | | | UC, Cha |
| IRAS20319+3958 | 39:58:25 | Bro | | | | | | | | | | | 8.8[1] | |
| 140 80.63+0.68 3.2 | 20:33:12.9 | 2 → 1 | | 0.03 | | | | | | | | | | UC, Cha |
| IRAS20332+4124 | 41:24:24 | Bro | | | | | | | | | | | -2.0[1] | |
| 141 80.36+0.44 - | 20:33:21.3 | 2 → 1 | | 0.04 | | | | | | | | | | M($NH_3$) |
| IRAS20333+4102 | 41: 2:53 | Arc. | | 4.5 | | | | | | | | | 8.4[3] | |
| 142 81.87+0.78 3.0[i] | 20:36:50.5 | 2 → 1 | 0.17 | 0.01 | 11.4 | 2.8 | 18.3 | 10.5 | 10.7 ± 0.8 | 15.5 | 7.6 ± 0.2 | 1.3 ± 0.04 | 0.1 | P81.87+0.78, A, (Men) |
| **W75 N (OH)** | 42:27: 1 | Arc. | 792.4 | 8.9 | 12.3 | -3.4 | 25.4 | 11.0 | | 28.8 | | 759.8 | 9.8[2] | |
| 143 81.74+0.59 3.2 | 20:37:13.3 | 2 → 1 | | 0.04 | | | | | | | | | | P81.74+0.59, A |
| W75 S1 | 42:13:57 | Arc. | 22.4 | 1.7 | 0.5 | -8.0 | 0.9 | -3.5 | | 8.9 | | 60.8 | -3.2[2] | |
| 144 81.72+0.57 3.0 | 20:37:13.7 | 2 → 1 | 0.24 | 0.01 | -3.2 | -13.5 | 3.7 | -4.9 | -3.8 ± 0.3 | 17.2 | 9.1 ± 0.2 | 1.9 ± 0.05 | 0.2 | (P81.72+0.57), (Gen), Men |
| **W75 OH** | 42:12:11 | Arc. | 133.9 | 3.8 | -2.3 | -14.2 | 6.6 | -3.8 | | 20.8 | | 303.6 | -2.5[2] | DR21(OH) |

**Table B.2.** (continued)

| Source No. (l,b) dist. [°] [kpc] (1) | R.A. Dec. (1950) (2) | Line SiO Cat. (3) | $T_A^\star$ [K] $F_{peak}$ [Jy] (4) | rms [K] [Jy] (5) | $V_{peak}$ [km/s] (6) | $V_{min}$ [km/s] (7) | $V_{max}$ [km/s] (8) | $V_{cen}$ [km/s] (9) | $V_{mean}$ [km/s] (10) | FW [km/s] (11) | Width [km/s] (12) | Area [K km/s] S [Jy km/s] (13) | P $V_{cloud}$ [km/s] (14) | Remarks (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 145 81.68+0.54 2.8 | 20:37:13.7 | $2 \rightarrow 1$ | 0.15 | 0.01 | -1.9 | -15.7 | 17.1 | 0.7 | -0.3 ± 0.4 | 32.8 | 17.9 ± 0.3 | 2.6 ± 0.1 | -0.2 | P81.68+0.54, A |
| **DR21 S** | 42: 8:52 | Arc. | | 1.6 | | | | | | | | | -1.2[2] | |
| 146 81.77+0.60 3.3 | 20:37:16.6 | $2 \rightarrow 1$ | 0.16 | 0.01 | -3.9 | -10.8 | 20.3 | 4.7 | 2.1 ± 0.5 | 31.1 | 19.0 ± 0.4 | 2.2 ± 0.1 | -0.6 | P81.77+0.60, A, Men |
| **W75 S3** | 42:15:15 | Arc. | 107.7 | 0.9 | -1.3 | -2.2 | -0.5 | -1.4 | | 1.7 | | 134.2 | -4.0[2] | |
| 147 85.89+2.22 2.3 | 20:44:27.5 | $2 \rightarrow 1$ | | 0.04 | | | | | | | | | | UC, M($NH_3$), Bro |
| IRAS20444+4629 | 46:29:39 | M | | | | | | | | | | | -3.4[1] | WB10 |
| 148 90.21+2.32 - | 21: 0:44.9 | $2 \rightarrow 1$ | | 0.04 | | | | | | | | | | J, Bro |
| IRAS21007+4951 | 49:51:13 | Arc. | 27.6 | 2.7 | 4.0 | 2.2 | 5.8 | 4.0 | | 3.6 | | 13.5 | 1.0[1] | WB23, L988-a |
| 149 88.10+0.42 - | 21: 0:49.1 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | |
| IRAS21008+4700 | 47: 0:42 | Arc. | 42.4 | 4.7 | -49.6 | -50.7 | -48.1 | -49.4 | | 2.6 | | 48.1 | - | |
| 150 92.67+3.07 1.9 | 21: 7:46.7 | $2 \rightarrow 1$ | 0.11 | 0.03 | -14.5 | -18.3 | -2.1 | -10.2 | -15.2 ± 4.6 | 16.2 | 3.7 ± 0.5 | 0.4 ± 0.1 | -0.5 | |
| **J21078+5211** | 52:10:23 | J | 6.53 | | -5 | | | | | | | | -6.8[9] | |
| 151 95.05+3.97 10.5 | 21:14:24.1 | $2 \rightarrow 1$ | | 0.02 | | | | | | | | | | A, Bro |
| IRAS21144+5430 | 54:30:57 | Arc. | 752.2 | 3.0 | -88.5 | -89.5 | -85.6 | -87.6 | | 3.9 | | 457.4 | -83.7[1] | WB60 |
| 152 97.53+3.19 8.7 | 21:30:37.0 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | |
| G97.53+3.19 | 55:40:36 | Arc. | 187.8 | 3.2 | -70.8 | -88.7 | -68.3 | -78.5 | | 20.4 | | 564.5 | -72.5[12] | S128 |
| 153 97.52+3.17 8.7 | 21:30:38.5 | $2 \rightarrow 1$ | | 0.02 | | | | | | | | | | P97.52+3.17 |
| G97.53+3.17 | 55:39:37 | Arc. | 69.7 | 1.9 | -71.0 | -75.2 | -70.5 | -72.8 | | 4.7 | | 151.4 | -72.5[12] | |
| 154 99.98+4.17 - | 21:39:10.3 | $2 \rightarrow 1$ | 0.15 | 0.03 | 1.0 | -0.8 | 4.4 | 1.8 | 1.8 ± 0.6 | 5.2 | 3.5 ± 0.4 | 0.5 ± 0.1 | -0.3 | M($NH_3$,$H_2O$) |
| **IRAS21391+5802** | 58: 2:29 | Arc. | 139.4 | 2.2 | -0.8 | -18.4 | 9.2 | -4.6 | | 27.6 | | 149.8 | 0.4[3] | IC1396-N, WB110 |
| 155 98.04+1.45 7.6 | 21:41:21.2 | $2 \rightarrow 1$ | | 0.04 | | | | | | | | | | Bro, Cha |
| IRAS21413+5442 | 54:42:30 | Arc. | 12.7 | 2.0 | -68.9 | -97.0 | -28.3 | -62.7 | | 68.7 | | 34.1 | -63.9[1] | WB114 |
| 156 105.37+9.84 1.3 | 21:41:51.0 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | J,(A) |
| HH 32-35 | 65:49:39 | Arc. | 15.1 | 1.4 | -2.5 | -3.0 | -2.0 | -2.5 | | 1.0 | | 15.4 | -9.9[4] | NGC7129(2) |
| 157 105.40+9.87 - | 21:41:54.9 | $2 \rightarrow 1$ | | 0.02 | | | | | | | | | | |
| BS40 | 65:52:10 | Arc. | 31.1 | 1.5 | -31.2 | -31.5 | -16.6 | -24.0 | | 14.9 | | 32.9 | - | |
| 158 105.42+9.88 1.3 | 21:41:57.0 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | (P105.42+9.88), (A) |
| BFS11-B | 65:53:10 | Arc. | 10.1 | 1.9 | -14.9 | -15.3 | -14.6 | -15.0 | | 0.7 | | 3.8 | -9.8[2] | LkH$\alpha$334, NGC7129(1) |
| 159 100.16+1.67 7.9 | 21:51:57.7 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | P100.16+1.67, M, J, (Bro) |
| G100.16+1.67 | 56:13:41 | Arc. | | 2.4 | | | | | | | | | -68.4[2] | WB136, IRAS21519+5613 |
| 160 102.32+3.68 10.4 | 21:55:23.4 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | Bro |
| IRAS21553+5908 | 59: 8:19 | Arc. | 14.2 | 0.5 | -87.8 | -89.5 | -86.7 | -88.1 | | 2.8 | | 14.9 | -88.0[1] | |
| 161 102.80-0.72 5.0 | 22:17:17.7 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | P102.80-0.72, M($NH_3$) |
| IRAS22172+5549 | 55:49:40 | Arc. | | 3.1 | | | | | | | | | -43.8[3] | S132, WB170 (STAR) |
| 162 106.80+5.31 0.9 | 22:17:41.2 | $2 \rightarrow 1$ | 0.06 | 0.02 | -2.4 | -3.8 | -1.8 | -2.8 | -2.5 ± 1.0 | 2.0 | 3.0 ± 0.5 | 0.2 ± 0.04 | 0.4 | (B), C($NH_3$,$H_2O$), (Z94) |
| **S140** | 63: 3:43 | Arc. | 27.4 | 1.4 | 5.4 | -15.5 | 5.7 | -4.9 | | 21.2 | | 25.8 | -7.0[5] | IRAS22176+6303, Cha |
| 163 107.30+5.64 1.4 | 22:19:50.7 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | M($NH_3$,$H_2O$), J |
| IRAS22198+6336 | 63:36:33 | Arc. | 255.3 | 2.9 | -22.2 | -24.9 | -16.3 | -20.6 | | 8.6 | | 425.3 | -11.1[3] | L1204A, WB176 |
| 164 107.18+5.43 - | 22:19:55.7 | $2 \rightarrow 1$ | | 0.02 | | | | | | | | | | L1204B |
| IRAS22199+6322 | 63:22:12 | Arc. | 22.2 | 1.7 | -9.0 | -9.5 | -6.8 | -8.1 | | 2.7 | | 26.1 | - | |
| 165 107.50+4.49 0.2 | 22:26:46.7 | $2 \rightarrow 1$ | | 0.03 | | | | | | | | | | UC, M($NH_3$) |
| IRAS22267+6244 | 62:44:22 | M | | | | | | | | | | | -1.5[3] | L1203, WB182 |
| 166 108.19+5.52 1.2 | 22:27:12.2 | $2 \rightarrow 1$ | | 0.04 | | | | | | | | | | UC, M($NH_3$) |
| IRAS22272+6358A | 63:58:21 | M | | | | | | | | | | | -9.9[3] | L1206, WB184 |

**Table B.2. (continued)**

| Source No. (l,b) dist. [°] [kpc] (1) | R.A. Dec. (1950) (2) | Line SiO Cat. (3) | $T_A^\star$ [K] $F_{peak}$ [Jy] (4) | rms [K] [Jy] (5) | $V_{peak}$ [km/s] (6) | $V_{min}$ [km/s] (7) | $V_{max}$ [km/s] (8) | $V_{cen}$ [km/s] (9) | $V_{mean}$ [km/s] (10) | FW [km/s] (11) | Width [km/s] (12) | Area [K km/s] S [Jy km/s] (13) | P $V_{cloud}$ [km/s] (14) | Remarks (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 167 108.20+0.58 5.4 | 22:47:29.8 | 2 → 1 | | 0.03 | | | | | | | | | | J(cont.) |
| JC22475+5939B | 59:38:59 | J | | | | | | | | | | | -51.0[9] | IRAS22475+5939 |
| 168 108.20+0.59 5.4 | 22:47:31.0 | 2 → 1 | | 0.03 | | | | | | | | | | J |
| S146 | 59:39:43 | Arc. | 11.4 | 1.4 | -54.4 | -54.7 | -54.0 | -54.3 | | 0.7 | | 10.9 | -51.0[9] | |
| 169 108.59+0.49 5.4 | 22:50:37.0 | 2 → 1 | | 0.02 | | | | | | | | | | (M($NH_3$,$H_2O$)) |
| G108.60+0.49 | 59:44:50 | Arc. | 288.8 | 1.6 | -48.3 | -60.6 | -41.8 | -51.2 | | 18.8 | | 433.7 | -51.5[3] | IRAS22506+5944, WB214 |
| 170 108.59+0.49 5.3 | 22:50:38.6 | 2 → 1 | | 0.04 | | | | | | | | | | (M($NH_3$,$H_2O$)), (Bro) |
| J22506+5944 | 59:44:53 | J | 21.6 | | -53 | | | | | | | | -51.2[1] | IRAS22506+5944, (WB214) |
| 171 108.21−1.29 5.7 | 22:53:56.4 | 2 → 1 | | 0.04 | | | | | | | | | | J(cont.), (Bro) |
| JC22539+5758B | 57:58:36 | J | | | | | | | | | | | -54.1[1] | IRAS22539+5758 |
| 172 108.22−1.29 5.6 | 22:54: 0.7 | 2 → 1 | | 0.04 | | | | | | | | | | J(cont.) |
| JC22539+5758A | 57:59: 6 | J | | | | | | | | | | | -53.6[10] | |
| 173 109.87+2.11 1.2 | 22:54:18.9 | 2 → 1 | | 0.02 | | | | | | | | | | (G), (C($NH_3$,$H_2O$)), P109.87+2.11, (A) |
| Cep A | 61:45:44 | Arc. | 327.1 | 4.7 | -10.8 | -11.3 | 13.9 | 1.3 | | 25.2 | | 534.3 | -10.2[2] | Men, (Bro), (Gen), IRAS22543+6145 |
| 174 110.21+2.62 1.5 | 22:55: 6.7 | 2 → 1 | | 0.04 | | | | | | | | | | OH, M, Bro, Cha |
| IRAS22551+6221 | 62:21:41 | B90 | | | | | | | | | | | -13.4[1] | S155, WB225 |
| 175 108.77−0.94 3.1[c] | 22:56:38.3 | 2 → 1 | | 0.02 | | | | | | | | | | |
| G108.77-0.94 | 58:31:40 | Arc. | 29.8 | 2.4 | -46.6 | -59.3 | -46.3 | -52.8 | | 13.0 | | 57.4 | -50.4[11] | S152 |
| 176 108.76−0.95 3.1[c] | 22:56:38.4 | 2 → 1 | 0.07 | 0.02 | -50.3 | -57.2 | -43.1 | -50.2 | -50.4 ± 18.1 | 14.1 | 2.9 ± 0.5 | 0.3 ± 0.03 | 0.0 | J(cont.), (Bro) |
| **JC22566+5830B** | 58:31: 4 | J | | | | | | | | | | | -50.5[7] | S152, IRAS22566+5830 |
| 177 108.77−0.94 3.1[c] | 22:56:39.8 | 2 → 1 | | 0.04 | | | | | | | | | | J(cont.) |
| JC22566+5830A | 58:31:47 | J | | | | | | | | | | | -50.6[10] | S152 |
| 178 108.76−0.98 3.5[c] | 22:56:45.8 | 2 → 1 | 0.05 | 0.02 | -54.2 | -62.8 | -48.7 | -55.8 | -52.7 ± 13.9 | 14.1 | 5.3 ± 0.5 | 0.3 ± 0.03 | 0.2 | W&W, (Z94), (Arc.) |
| **S152 OH2** | 58:29:16 | W&W | 2.14 | | -59 | -61 | -58 | | | | | 2.62 | -50.6[10] | S152OH, IRAS22566+5828 |
| 179 109.99−0.09 5.3 | 23: 2:40.0 | 2 → 1 | | 0.04 | | | | | | | | | | UC, M($NH_3$) |
| IRAS23026+5948 | 59:48:23 | M | | | | | | | | | | | -51.1[3] | BFS15, WB239 |
| 180 111.54+0.78 3.6[c] | 23:11:36.0 | 2 → 1 | 0.20 | 0.02 | -57.4 | -67.8 | -48.8 | -58.3 | -57.6 ± 5.9 | 19.0 | 11.0 ± 0.4 | 1.9 ± 0.1 | 0.1 | (C($NH_3$,$H_2O$)), A, (Bro), (Gen), (Men) |
| **S158** | 61:11:49 | Arc. | 126.4 | 1.8 | -60.0 | -81.8 | -46.2 | -64.0 | | 35.6 | | 208.7 | -56.5[4] | NGC7538 IR, IRAS23116+6111 |
| 181 111.53+0.76 3.6[c] | 23:11:36.1 | 2 → 1 | 0.35 | 0.03 | -55.8 | -62.7 | -48.9 | -55.8 | -55.5 ± 4.0 | 13.8 | 7.2 ± 0.2 | 2.6 ± 0.1 | 0.0 | P111.53+0.76, (A) |
| **S158 IRS1** | 61:10:30 | Arc. | 52.4 | 2.6 | -54.9 | -68.8 | -54.2 | -61.5 | | 14.6 | | 162.1 | -55.7[2] | NGC7538 S |
| 182 111.61+0.37 3.6[c] | 23:13:21.5 | 2 → 1 | | 0.01 | | | | | | | | | | UC, Z94 |
| IRAS23133+6050 | 60:50:47 | Bro | | | | | | | | | | | -56.3[1] | S159A |
| 183 111.28−0.6 3.4[c] | 23:13:53.0 | 2 → 1 | | 0.03 | | | | | | | | | | P111.28-0.67, J, A, (Bro) |
| S157 | 59:45:18 | Arc. | 6.8 | 0.8 | -44.0 | -45.6 | -43.6 | -44.6 | | 2.0 | | 7.1 | -43.7[2] | AFGL3057, IRAS23138+5945 |
| 184 111.87+0.82 5.2 | 23:14: 1.9 | 2 → 1 | | 0.04 | | | | | | | | | | UC, M($NH_3$) |
| IRAS23140+6121 | 61:21:22 | M | | | | | | | | | | | -51.5[3] | WB264 |
| 185 114.08+2.86 5.3 | 23:26:13.6 | 2 → 1 | | 0.02 | | | | | | | | | | |
| IRAS23262+6401 | 64: 1: 1 | Arc. | | 1.2 | | | | | | | | | -53.0[7] | WB278 |
| 186 113.60−0.61 3.4[c] | 23:31:22.7 | 2 → 1 | | 0.04 | | | | | | | | | | (M($NH_3$)) |
| J23314+6033 | 60:33:54 | J | 0.14 | | -54 | | | | | | | | -45.4[3] | IRAS23314+6033 |
| 187 113.61−0.62 3.4[c] | 23:31:24.8 | 2 → 1 | | 0.04 | | | | | | | | | | P113.61-0.62, M($NH_3$), J |
| IRAS23314+6033 | 60:33:55 | Arc. | | 3.9 | | | | | | | | | -45.4[3] | S163, WB284 (STAR) |
| 188 117.32+3.14 1.7 | 23:54:34.1 | 2 → 1 | | 0.04 | | | | | | | | | | UC, M($NH_3$), Bro |
| IRAS23545+6508 | 65: 8:29 | M | | | | | | | | | | | -18.4[1] | AFGL5623, WB307 |