Table 1. N_2H^+(1-0) map results: peak position ($\Delta\alpha$, $\Delta\delta$), and integrated intensity (I)

Core	RA(1950)[a]	Dec(1950)[a]	$\Delta\alpha$ ($'$)	$\Delta\delta$ ($'$)	$T_{\rm sys}$ (K)	$t_{\rm int}$ (min)	$I \pm \sigma_I$[b] (K km s^{-1})	Map[c]	Area[d] (arcmin^2)
PER4-A	$03^h26^m31^s.7$	$31°17'13''$	-2.49	0.84	371	10	1.64±0.09	B	85.7
PER4-B			-4.18	0.00			1.56±0.11		
PER4-C			-3.32	-1.70			1.05±0.13		
PER5	03 26 45.5	31 28 48	0.00	0.00	600	25	2.00±0.10	B	21.4
PER6	03 27 10.3	30 12 34	0.00	0.84	571	20	1.67±0.10	B	21.4
PER7	03 29 39.5	30 49 50	0.00	0.00	646	25	1.45±0.11	B	21.4
PER9[e]	03 30 10.4	31 10 14	-0.88	0.04	406	10	1.17±0.11	B	21.4
B5	03 44 32.7	32 44 30	0.00	-1.69	443	10	1.99±0.12	B	42.8
L1389	04 00 38.0	56 47 59	0.00	0.00	477	15	1.11±0.10	B	21.4
L1489	04 01 45.0	26 10 33	0.42	0.00	488	15	2.11±0.10	N	21.4
L1498	04 07 50.0	25 02 13	0.42	-0.42	480	15	1.20±0.10	N	21.4
L1495	04 11 02.7	28 00 43	0.00	0.84	444	10	1.75±0.11	B	21.4
L1400G[f]	04 21 12.1	54 12 20	···	···	537	15	···	B	21.4
B217	04 24 48.1	26 11 38	-0.88	0.04	448	10	2.03±0.11	B	64.3
L1524	04 26 22.3	24 28 36	0.00	0.00	461	10	1.51±0.10	B	42.8
L1400K	04 26 51.0	54 45 27	0.00	0.00	472	25	0.66±0.06	B	21.4
TMC-2A	04 28 54.0	24 26 27	0.00	0.00	536	15	1.87±0.10	B	21.4
TMC-2	04 29 41.2	24 20 09	0.86	-0.86	501	10	1.64±0.12	B	128.5

Table 1—Continued

Core	RA(1950)[a]	Dec(1950)[a]	$\Delta\alpha$ ($\prime$)	$\Delta\delta$ ($\prime$)	$T_{\rm sys}$ (K)	$t_{\rm int}$ (min)	$I \pm \sigma_I$[b] (K km s^{-1})	Map[c]	Area[d] (arcmin^2)
L1536	04 30 33.2	22 37 50	-1.69	-1.69	485	15	1.30±0.10	B	85.7
L1534[e]	04 36 42.3	25 34 16	-3.32	1.77	462	10	1.62±0.11	B	42.8
L1527	04 36 49.3	25 57 16	0.00	0.00	457	15	1.25±0.10	B	21.4
TMC-1NH$_3$[e]	04 38 19.0	25 42 30	-0.86	0.04	446	15	2.34±0.09	B	21.4
TMC-1C2[e]	04 38 25.5	25 56 00	1.69	-1.69	492	15	1.34±0.10	B	21.4
TMC-1C[e]	04 38 34.5	25 55 00	0.00	-0.86	492	15	1.34±0.10	B	21.4
TMC-1CS[e]	04 38 38.9	25 35 00	-0.86	2.61	442	15	1.53±0.08	B	21.4
L1517B	04 52 07.2	30 33 18	0.00	0.00	541	15	1.05±0.10	B	21.4
L1512	05 00 54.4	32 39 00	-0.45	0.04	451	15	1.06±0.09	N	21.4
L1544	05 01 14.0	25 07 00	0.00	-0.42	532	30	1.75±0.09	N	21.4
L1582A	05 29 11.9	12 28 20	0.00	0.00	498	35	0.68±0.07	B	21.4
B35	05 41 45.3	09 07 40	0.00	0.00	454	15	1.48±0.09	B	21.4
L134A[e]	15 50 58.1	-04 26 36	0.00	0.00	571	25	0.68±0.08	B	21.4
L183[e]	15 51 35.7	-02 40 54	-0.88	-2.41	490	10	1.95±0.11	B	85.7
L1681B-A	16 24 41.1	-24 35 32	-0.88	-0.86	609	10	1.81±0.16	B	42.8
L1681B-B			-3.32	0.87			1.98±0.15		
L1696A	16 25 30.0	-24 12 32	0.00	0.84	766	15	1.60±0.18	B	21.4
L43	16 31 42.1	-15 40 50	0.42	0.42	560	15	3.57±0.13	N	21.4

Table 1—Continued

Core	RA(1950)[a]	Dec(1950)[a]	$\Delta\alpha$ ($\prime$)	$\Delta\delta$ ($\prime$)	$T_{\rm sys}$ (K)	$t_{\rm int}$ (min)	$I \pm \sigma_I$[b] (K km s^{-1})	Map[c]	Area[d] (arcmin^2)
L260[e]	16 44 22.3	-09 30 02	0.00	0.00	557	20	0.74±0.08	B	21.4
L158	16 44 33.7	-13 54 03	0.00	0.00	713	15	0.97±0.14	B	21.4
L234A	16 45 21.0	-10 46 33	0.86	0.04	513	10	0.66±0.08	B	21.4
L234E[e]	16 45 23.0	-10 51 43	0.00	-0.86	554	10	0.69±0.13	B	21.4
L63	16 47 21.0	-18 01 00	0.00	0.00	858	15	1.75±0.17	B	21.4
B68	17 19 36.0	-23 47 13	0.00	0.00	776	25	0.64±0.10	B	21.4
L483	18 14 50.5	-04 40 49	0.42	0.42	437	15	4.20±0.09	N	21.4
B133	19 03 25.3	-06 57 20	0.00	0.00	478	10	0.56±0.10	B	21.4
L778	19 24 26.4	23 52 37	0.00	-0.81	618	25	1.72±0.10	B	21.4
B335	19 34 35.3	07 27 34	0.00	0.00	713	15	1.70±0.09	N	21.4
L1152	20 35 19.6	67 42 13	0.00	0.00	480	10	1.40±0.11	B	21.4
L1155C	20 43 00.0	67 41 47	0.00	0.00	548	35	0.72±0.06	B	21.4
L1082C	20 50 19.5	60 07 15	0.42	0.00	475	10	1.39±0.11	N	21.4
L1082A[g]	20 52 20.7	60 03 14	0.00	0.00	626	35	0.67±0.07	B	21.4
L1228B	20 58 11.0	77 24 00	0.41	0.00	478	15	3.85±0.11	N	21.4
L1174	20 59 46.3	68 01 04	-0.44	-0.04	495	10	2.23±0.15	N	21.4
BERN48	21 00 20.0	78 11 00	0.41	0.42	533	10	1.93±0.14	N	21.4
L1172A	21 01 45.0	67 42 13	0.00	0.84	445	10	1.58±0.12	B	21.4

Table 1—Continued

Core	RA(1950)[a]	Dec(1950)[a]	$\Delta\alpha$ ($\prime$)	$\Delta\delta$ ($\prime$)	$T_{\rm sys}$ (K)	$t_{\rm int}$ (min)	$I \pm \sigma_I$[b] (K km s^{-1})	Map[c]	Area[d] (arcmin^2)
B361	21 01 35.0	47 12 01	0.00	0.84	650	25	1.19±0.11	B	21.4
L1031C[h]	21 44 35.6	47 04 20	···	···	442	15	···	B	21.4
L1031B	21 45 32.0	47 18 13	0.00	0.00	449	15	2.31±0.12	B	21.4
L1221	22 26 37.1	68 45 37	0.00	0.00	478	10	4.14±0.15	N	21.4
L1251A[i]	22 29 34.1	74 58 51	0.00	0.00	480	10	1.39±0.12	B	21.4
L1251C	22 34 37.5	75 02 32	0.88	0.80	430	10	1.91±0.12	B	21.4
L1251E	22 38 36.4	74 55 50	-3.38	-0.42	514	15	4.03±0.15	N	42.8
L1262	23 23 32.2	74 01 45	0.86	-0.04	470	15	1.64±0.10	B	21.4

[a]Coordinates of the (0,0) map position; they do not always correspond to the coordinates quoted in Benson & Myers (1989).

[b]Integrated intensity at the peak position; $\sigma_I = \Delta T_{\rm rms,A} \times \sqrt{N_{\rm ch}} \times \Delta v_{\rm res}$, where $\Delta T_{\rm rms,A}$ [K] is the 1 σ level of the noise in the off-line channels, $N_{\rm ch}$ is the number of channels in the integrated intensity, and $\Delta v_{\rm res}$ [km s^{-1}] is the velocity resolution (=0.063 km s^{-1}).

[c]Type of map: B ≡ beam sampling; N ≡ Nyquist sampling.

[d]Mapped area.

[e]The half maximum contour extends over the mapped area.

[f]$\Delta T_{\rm rms,A} = 0.18$ K.

[g]A secont component is present in the West direction; it has not been included in the integrated intensity estimate.

[h]$\Delta T_{\rm rms,A} = 0.14$ K.

[i]There is another peak in the mapped area which belongs to another core (whose half maximum contour extends outside the mapped area).