

TABLE 4
NGC 4402 CLOUDS - OBSERVED AND DERIVED PROPERTIES

Table 1.00

Feature	d_{obs} (kpc)	Measured $M_L(M_\odot)$	Probable $M_L(M_\odot)$	length (pc)	width (pc)	avg n_e	min n_e	PA
1	8.3*	2.4×10^6	2.4×10^6	90	50	0.50**	0.29	$37^\circ \pm 5^\circ$
2	7.2*	3.7×10^6	3.7×10^6	170	40	0.54	0.17	$40^\circ \pm 4^\circ$
3	6.4*	5.6×10^6	5.6×10^6	130	100	0.45	0.15	$57^\circ \pm 20^\circ$
4	6.4*	3.7×10^6	3.7×10^6	140	110	0.33	0.12	-
5	5.5	2.1×10^7	2.1×10^7	260	220	0.50	0.15	-
6	5.6	3.5×10^7	3.5×10^7	40	20	0.31	0.17	-
7	5.6	9.6×10^7	9.6×10^7	60	50	0.43	0.15	-
8	5.5	2.2×10^8	2.2×10^8	100	90	0.33	0.13	-
9	5.1	5.4×10^8	5.4×10^8	420	210	0.56	0.10	-
10	4.5	8.9×10^8	8.9×10^8	616	210	0.51	0.13	$331^\circ \pm 10^\circ$
11	5.3	1.1×10^9	1.1×10^9	60	50	0.35	0.16	-
12	7.5	1.1×10^9	1.1×10^9	90	30	0.39	0.25	-
13	5.7	2.9×10^9	2.9×10^9	80	70	0.49	0.16	-
14	5.2	1.1×10^9	1.1×10^9	50	50	0.41	0.24	-
15	4.6	3.9×10^9	3.9×10^9	50	30	0.33	0.13	-
16	3.6	6.4×10^9	6.4×10^9	140	90	0.52	0.12	-
17	3.9	6.5×10^9	6.5×10^9	40	30	0.39	0.19	-
18	5.9	3.6×10^9	3.6×10^9	50	30	0.25	0.14	-
19	5.8	2.9×10^9	2.9×10^9	100	80	0.40	0.14	-
20	4.5	7.9×10^9	7.9×10^9	900	250	0.35	0.12	$325^\circ \pm 5^\circ$

Measurements are of pixels with a significance level of at least 2σ above background, and include position angles for elongated clouds. The 'probable' mass column includes an additional factor of 10 based on CO measurements of similarly-sized clouds. The projected galactocentric radii d_{gal} of clouds projected against the far side of the galaxy are marked with a *. The n_e values derived from smoothed images (then multiplied by 1.25 to correct for reductions due to the smoothing process) are marked with a **.