

Table 3: (Alternate Method) Derived Quantities for WLM with no sub-mm Excess Correction

Source	Reg.	T , K	Σ , $M_{\odot} \text{ pc}^{-2}$	Mass, M_{\odot}
$\beta = 1.2, \alpha_{\text{CO}} = 0.6 \pm 17$				
Dust	A	16.5 ± 0.9	0.025 ± 0.007	$2.2 \pm 0.6 \times 10^2$
Gas	A		$(27 \pm 7)\delta_{\text{GD}}$	$(2.4 \pm 0.6 \times 10^5)\delta_{\text{GD}}$
HI	A		27.3 ± 1.4	$2.4 \pm 0.1 \times 10^5$
H ₂	A		0.15 ± 7	$0.09 \pm 4.2 \times 10^4$
H ₂	B		0.1 ± 4.7	$0.06 \pm 2.6 \times 10^4$
$\beta = 1.4, \alpha_{\text{CO}} = 72 \pm 47$				
Dust	A	15.2 ± 0.7	0.041 ± 0.011	$3.6 \pm 0.9 \times 10^2$
Gas	A		$(45 \pm 12)\delta_{\text{GD}}$	$(3.9 \pm 1.0 \times 10^5)\delta_{\text{GD}}$
H ₂	A		18 ± 12	$1.0 \pm 0.7 \times 10^5$
H ₂	B		11.6 ± 7.5	$6.7 \pm 4.4 \times 10^4$
$\beta = 1.6, \alpha_{\text{CO}} = 186 \pm 75$				
Dust	A	14.1 ± 0.6	0.067 ± 0.017	$5.8 \pm 1.5 \times 10^2$
Gas	A		$(74 \pm 19)\delta_{\text{GD}}$	$(6.4 \pm 1.6 \times 10^5)\delta_{\text{GD}}$
H ₂	A		46 ± 19	$2.7 \pm 1.1 \times 10^5$
H ₂	B		30 ± 12	$1.7 \pm 0.7 \times 10^5$