

CO Kinematics

Turbulent Velocity = $37 \pm 4.7 \text{ km s}^{-1}$

Sound speed = $0.4 \pm 0.2 \text{ km s}^{-1}$

Mach number = 92.5 ± 47.7

$$\begin{aligned} \Sigma_{\text{SFR}} &= 0.4\% \times (\Sigma_{\text{gas}}/t)_{\text{multi-ff}} \\ &= 0.4\% \times (\Sigma_{\text{gas}}/t)_{\text{single-ff}} \times C_{\text{multi-ff}} \\ &= 0.4\% \times (\Sigma_{\text{gas}}/t)_{\text{single-ff}} \times \left(1 + b^2 \mathcal{M}^2 \frac{\beta}{\beta + 1}\right)^{3/8}. \end{aligned} \quad (10)$$

