

Bowshock1

$$v_j = 100.00 \text{ km/s}$$

$$v_0 = 15.00 \text{ km/s}$$

$$v_a = 5.00 \text{ km/s}$$

$$L_0 = 0.40 \text{ arcsec}$$

$$z_j = 4.00 \text{ arcsec}$$

$$r_{b,f} = 0.70 \text{ arcsec}$$

$$t_j = 56.89 \text{ yr}$$

$$\rho_a = 39.16 \times 10^{-20} \text{ g cm}^{-3}$$

$$\dot{m}_0 = 1.26 \times 10^{-6} \text{ M}_\odot \text{ yr}^{-1}$$

$$\dot{m}_{a,f} = 1.83 \times 10^{-6} \text{ M}_\odot \text{ yr}^{-1}$$

