Model 2 Fiducial parameter values
$C_\alpha = 1.0$ $R_\kappa = 0.3$ $\zeta = 7.5$ $\psi = 1.0$ $\beta = 1.0$

Top-left panel legend:
- h(pc)
- Fiducial values from Chamandy et.al.(2016) $h(pc)$
- Correlation length l(pc)

Top-right panel legend:
- u
- $\sqrt{u^2 + c_s^2}$
- c_s
- Without warp
- With warp

Bottom-left panel legend:
- $B_{tot} = \sqrt{\bar{B}^2 + b_{iso}^2 + b_{ani}^2}$
- $B_{reg} = \bar{B}$
- $B_{ord} = \sqrt{\bar{B}^2 + b_{ani}^2}$

Bottom-right panel legend:
- p_B (mean field)
- p_o (ordered field)

Axis labels:
- Length scale (pc)
- Speed (km/s)
- Magnetic field strength (μG)
- Pitch angle (deg)
- Radius (kpc)