Rheology comparison through the statistical analysis of TITAN2D dynamics

Parameters ranges – all uniformly sampled in linear scale, 256 samples Volcan de Colima DEM – 5m cellsize

VOLUME –
$$[1.21, 1.64] \times 10^5 \text{ m}^3$$

MC

VS

$$mu - [0.20, 0.80]$$

 $xi - [50, 5000]$

PF

$$\phi_1 - [30', 38']$$

\beta -
$$[0.10, 0.85]$$

L - $[0.1, 10]$

FIGURE 1 – Resultant Forces

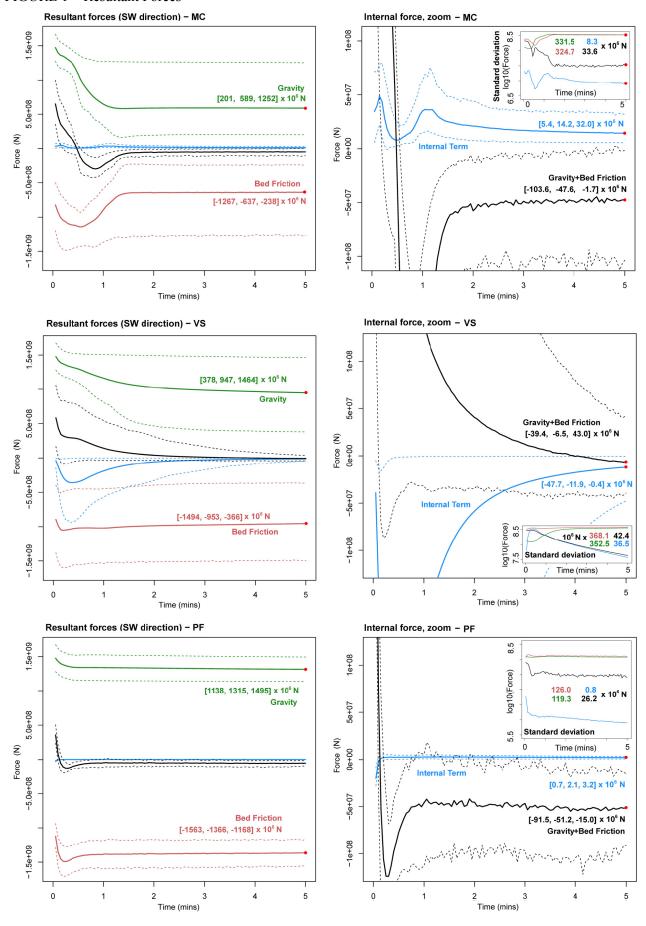


FIGURE 2 – Powers

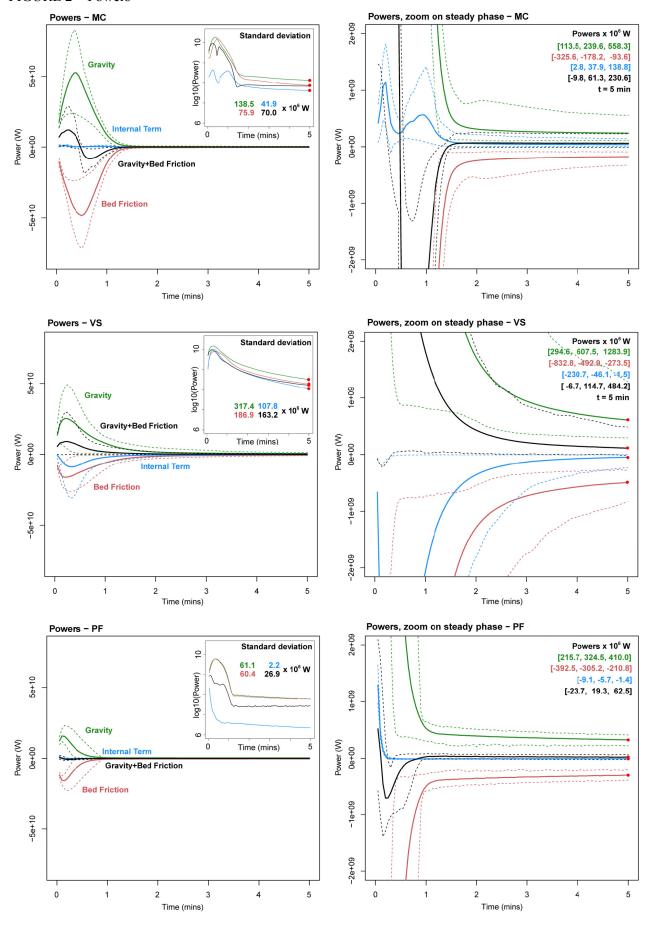


FIGURE 3 – Mean velocity

