(a) JIVSM

![Graph showing velocity (cm/s) vs. lapse time (s) for JIVSM with T-Comp. and R-Comp. components, and comparison between observed (Obs.) and calculated (Cal.) results.]

(b) Modified JIVSM

![Graph showing velocity (cm/s) vs. lapse time (s) for Modified JIVSM with T-Comp. and R-Comp. components, and comparison between observed (Obs.) and calculated (Cal.) results.]