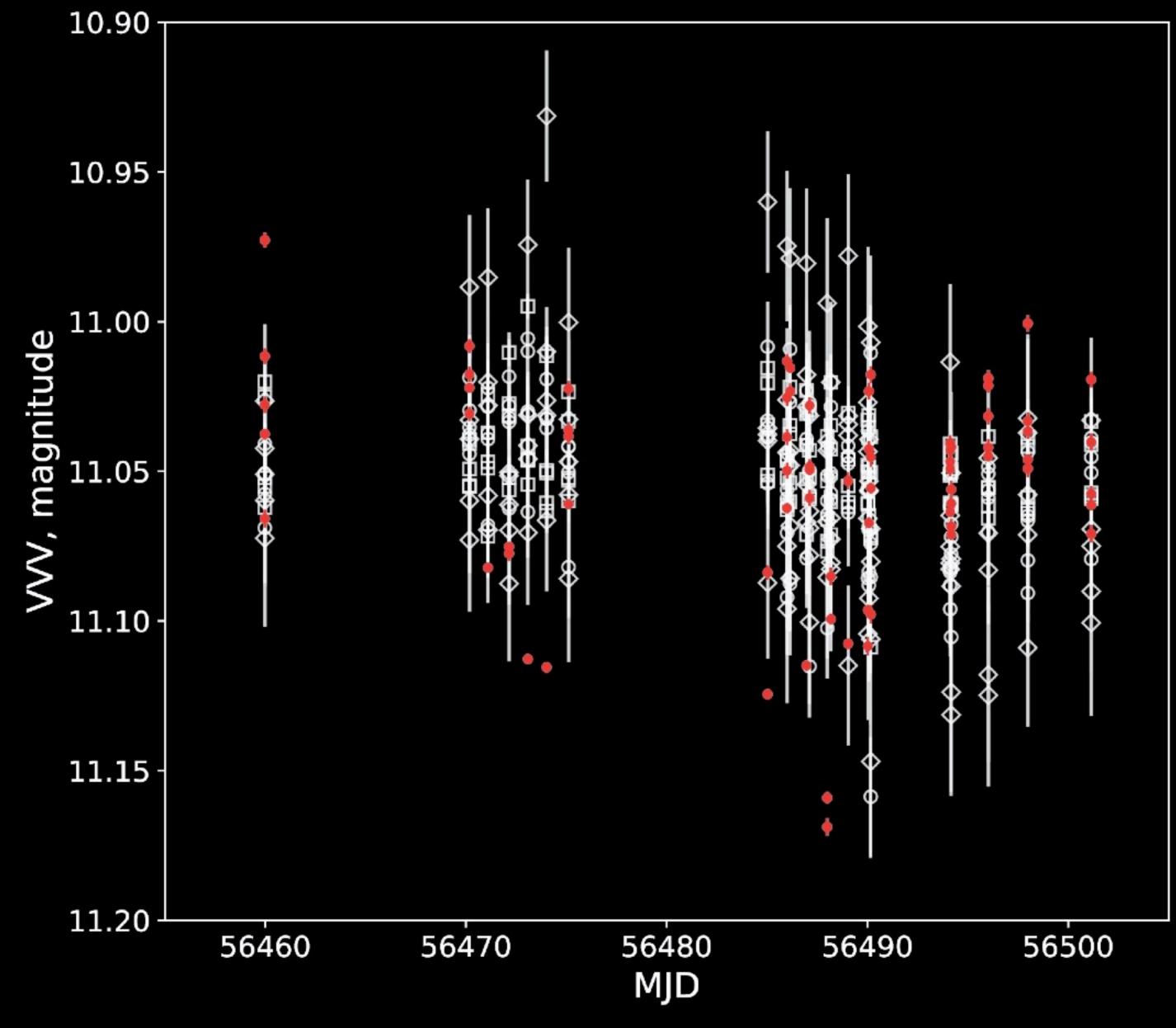


 $v_w \approx 500 \, \mathrm{km \, s}^{-1}$ typical for HMXBs
(Martinez-Nunez et al. 2017)



IGR J16195-4945 in Ks filter (red dots) according to the VVV survey. White markers show magnitudes of comparison stars normalized to the average magnitude of IGR J16195-4945

## Rapid IR variability

- Changes in brightness for 0.1-0.2 magnitudes over several days
- Atypical for blue supergiants.
   Usual variability in range 0.02-0.04
   (Buysschaert et al. 2015; Aerts et al. 2017)