



Figure 7.8a – V/R variation of $H\alpha$ profile in 2010 varies in accordance with one-armed oscillation disk model. The white region shows the high-density part in the disk and the arrow indicates the observer's direction. The $H\alpha$ line profile displayed with the observation date. The normalized intensity scale on the profile shows the variation of E/C and the velocity scale can roughly compares the changes in line broadening as the disk revolving the star. Based on the position of the high-density part in the disk with the time-scale, we suggest that the disk is rotating in the prograde direction. This motion is the same as the Keplerian motion in the planetary system.