

Figure 6.1: A series of diagnostic panels for the low-mass star, KIC 1572802l. Top Left: the phase-folded light curve in relative flux units, folded at the period indicated above. Top Center: the lomb normalized periodogram of the entire 4 year light curve over the range of 0 to 2 day periods. Top Right: the first 10 days of the long cadence light curve, showing clear rotation signal and several flares. Bottom: Continuous phased light curve map for the entire Kepler long cadence dataset, where pixel shade indicates the median flux in each (time, phase) bin (dark to light). Pixels span 10 times the rotation period in time, and 1/25th the phase.

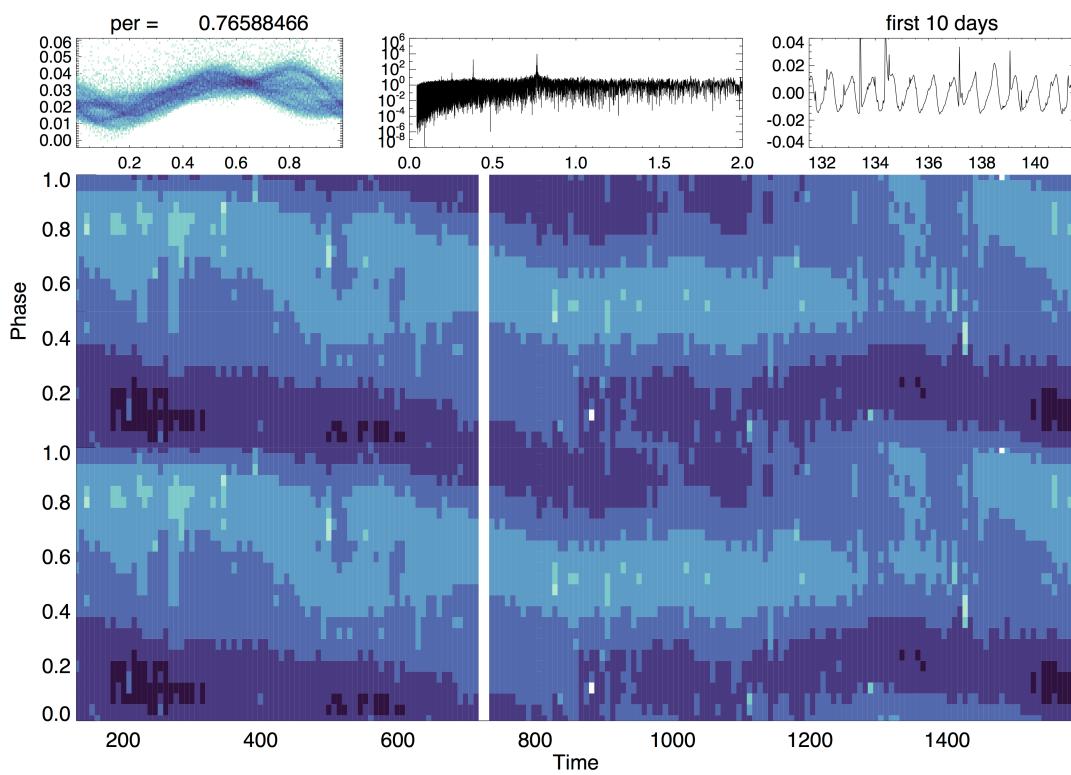


Figure 6.1: Continued – A series of diagnostic panels for the low-mass star, KIC 5791720l.

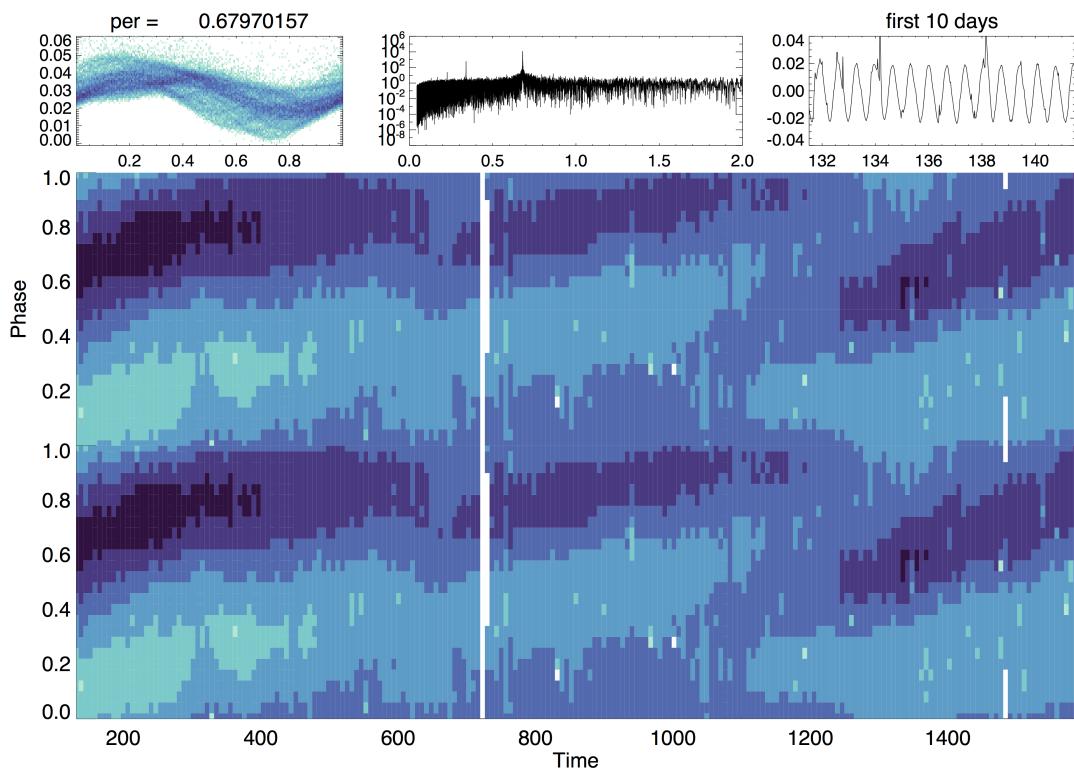


Figure 6.1: Continued – A series of diagnostic panels for the low-mass star, KIC 9761113l.

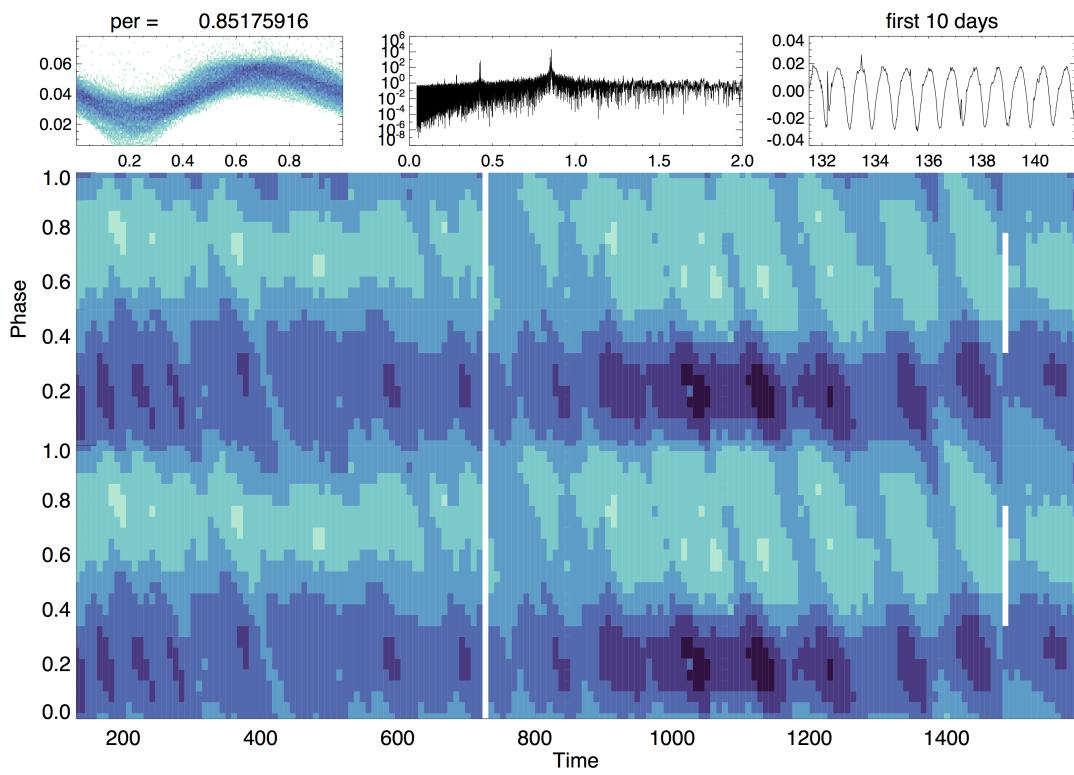


Figure 6.1: Continued – A series of diagnostic panels for the low-mass star, KIC 12365719l.