

KIC10020423 — Detrending Diagnostic

Dataset

Kepler (KIC)

System

KIC10020423

Figure: KIC10020423_TutorialKepler47Parallel_deepestPoints.png

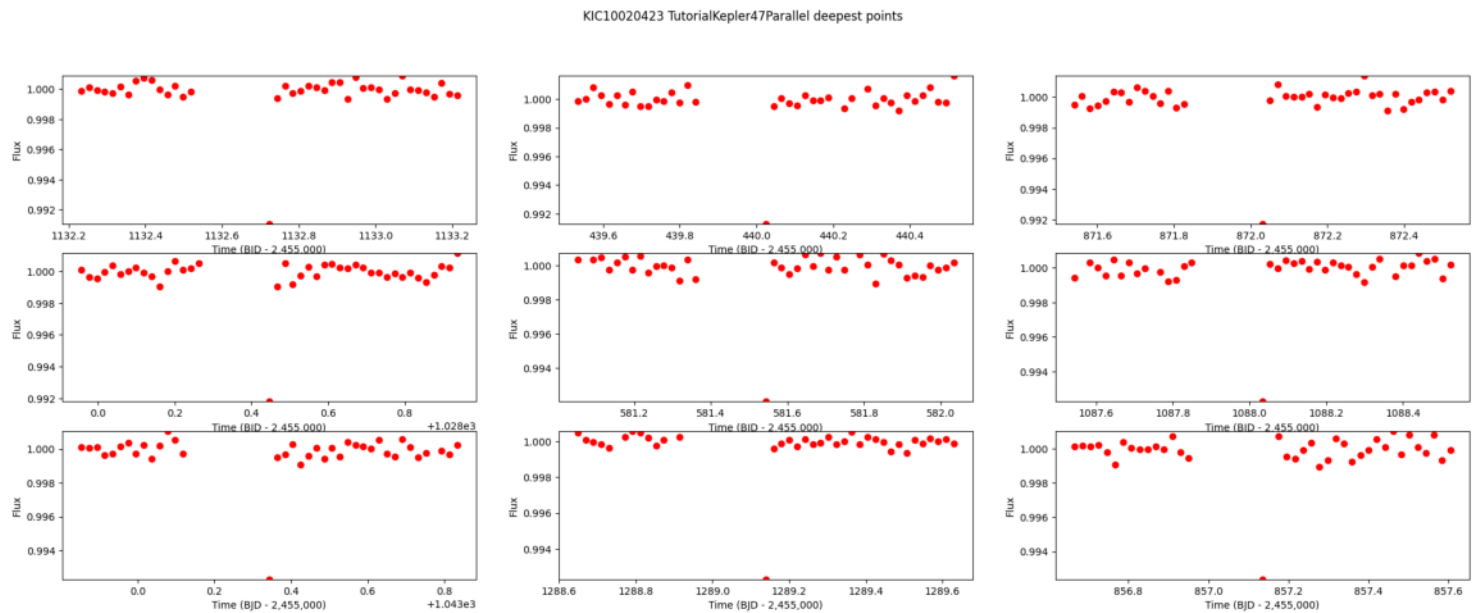


Figure: KIC10020423_TutorialKepler47Parallel_hookGaps.png

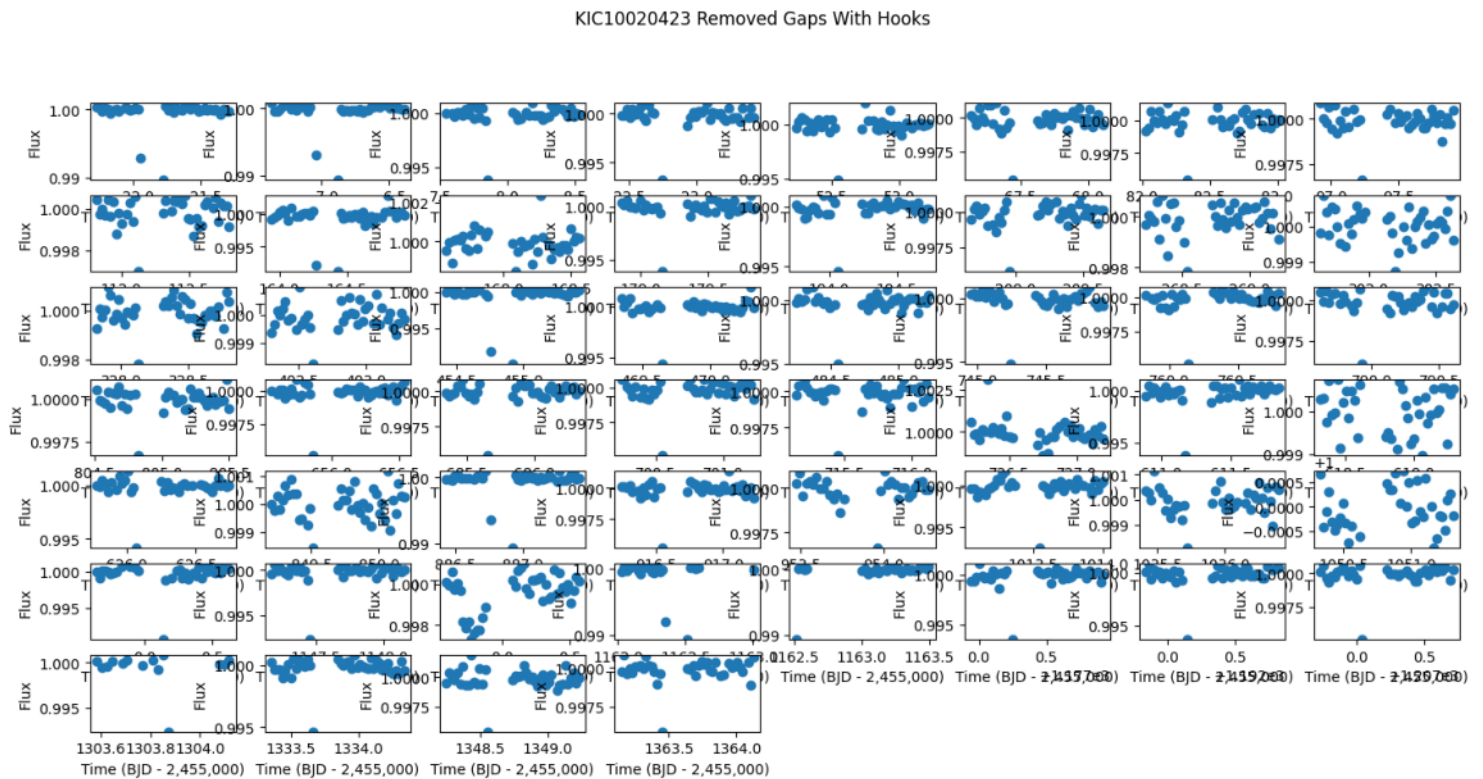


Figure: KIC10020423_TutorialKepler47Parallel_hookJumps.png

KIC10020423 Removed Jumps In The Data

Figure: KIC10020423_TutorialKepler47Parallel_potentialLedges.png

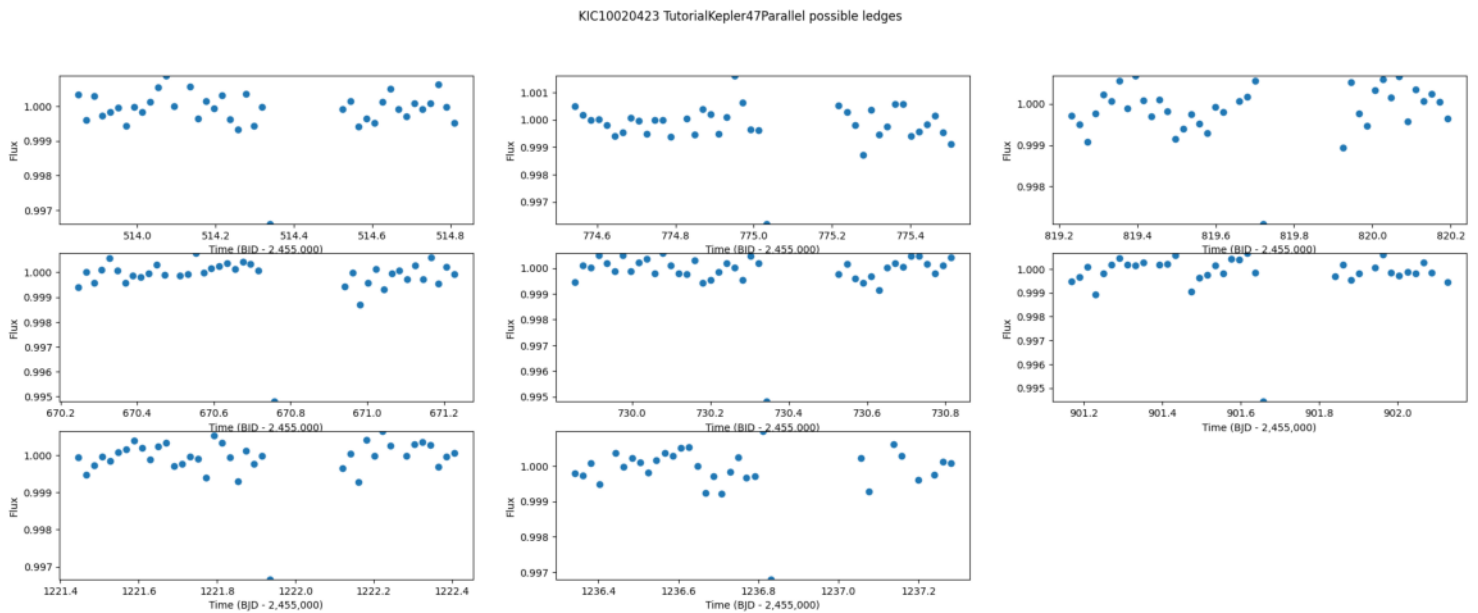


Figure: KIC_10020423_phase_folded_eclipses_removed.png

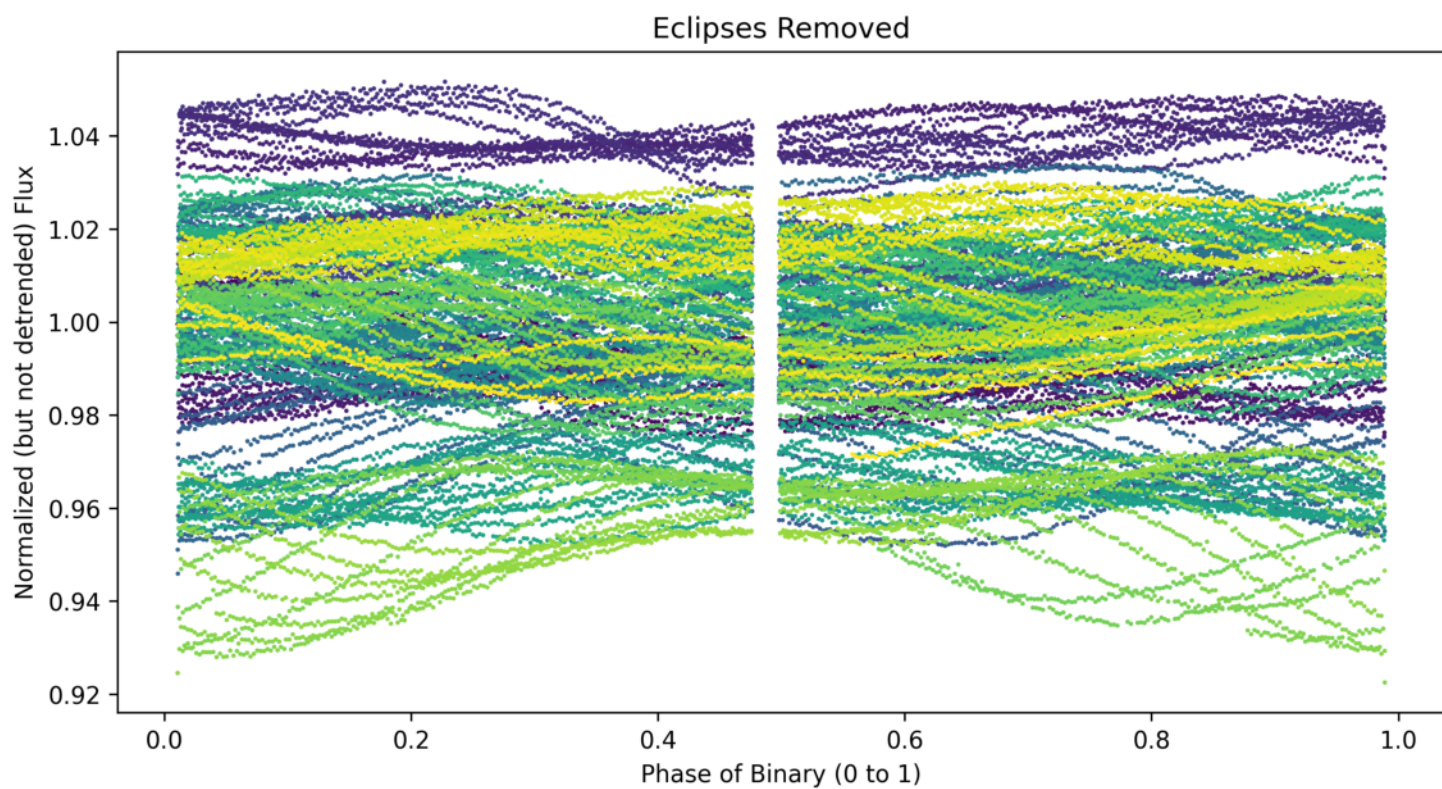


Figure: KIC_10020423_phase_folded_original_data.png

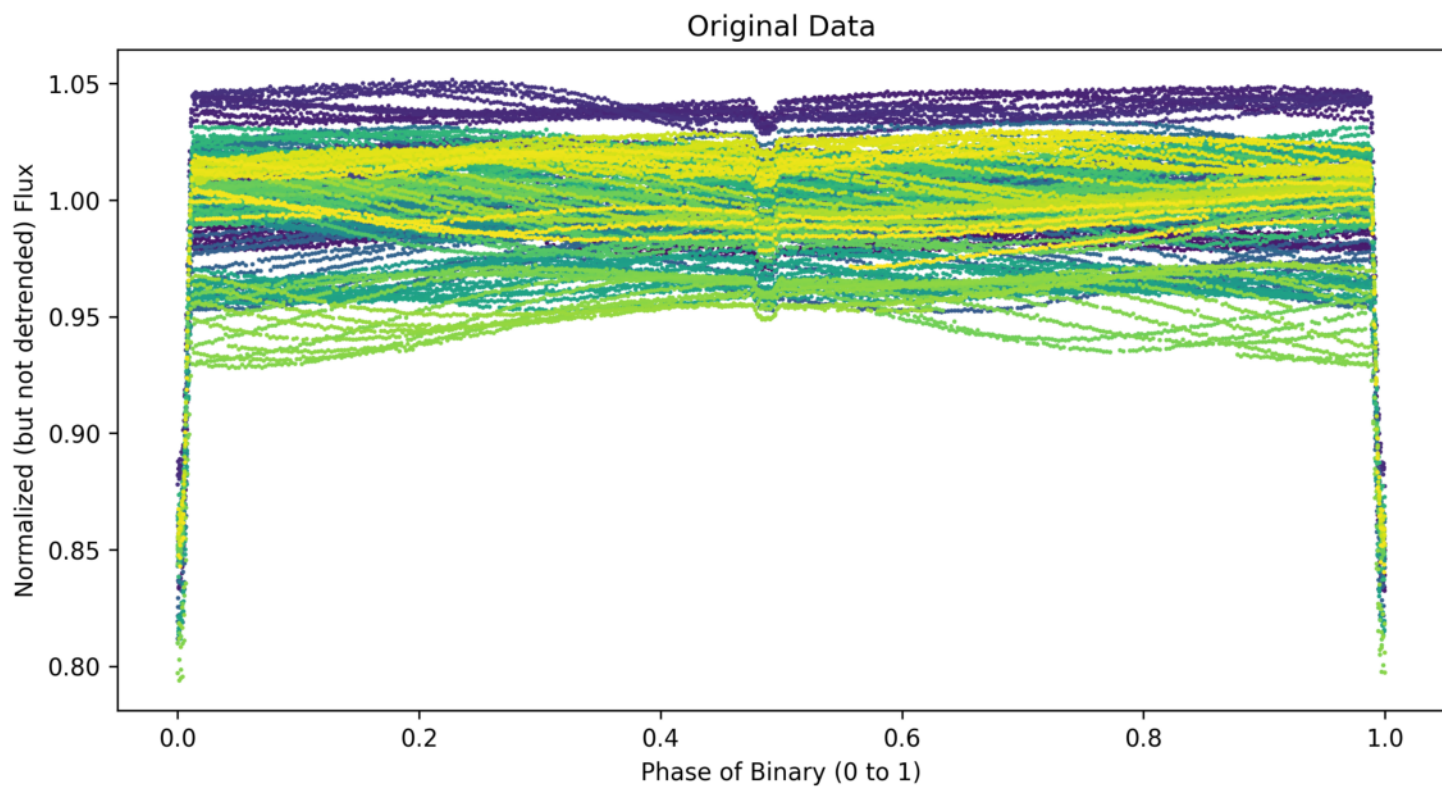


Figure: KIC_10020423_TutorialKepler47Parallel_detrendingStages.png



Figure: KIC_10020423_TutorialKepler47Parallel_periodograms.png

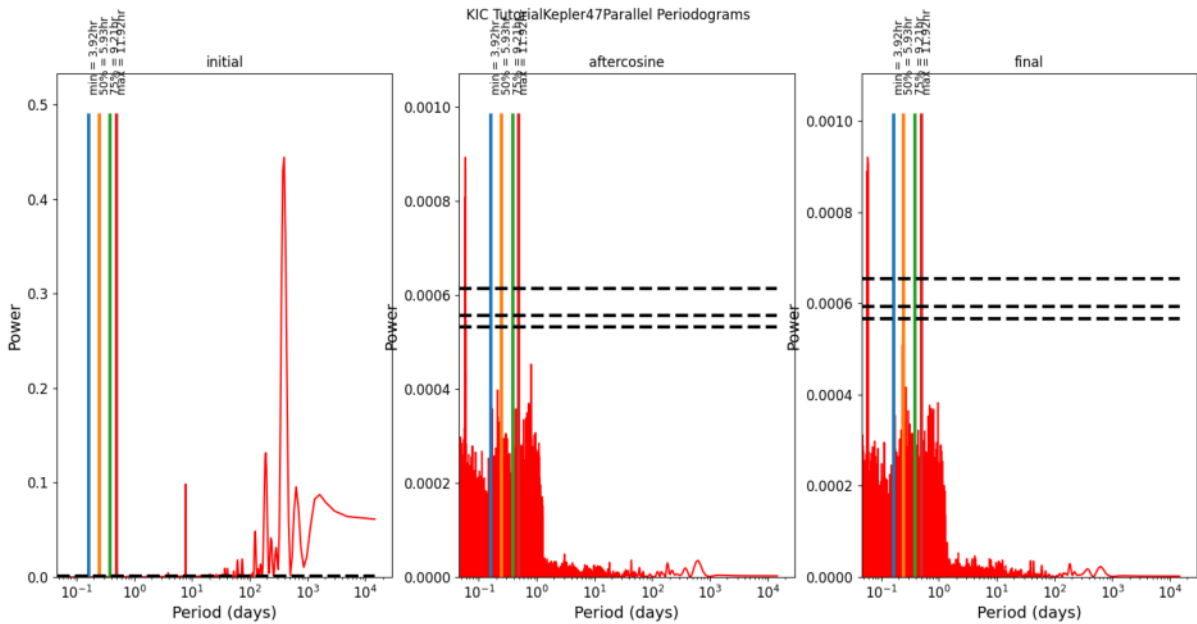
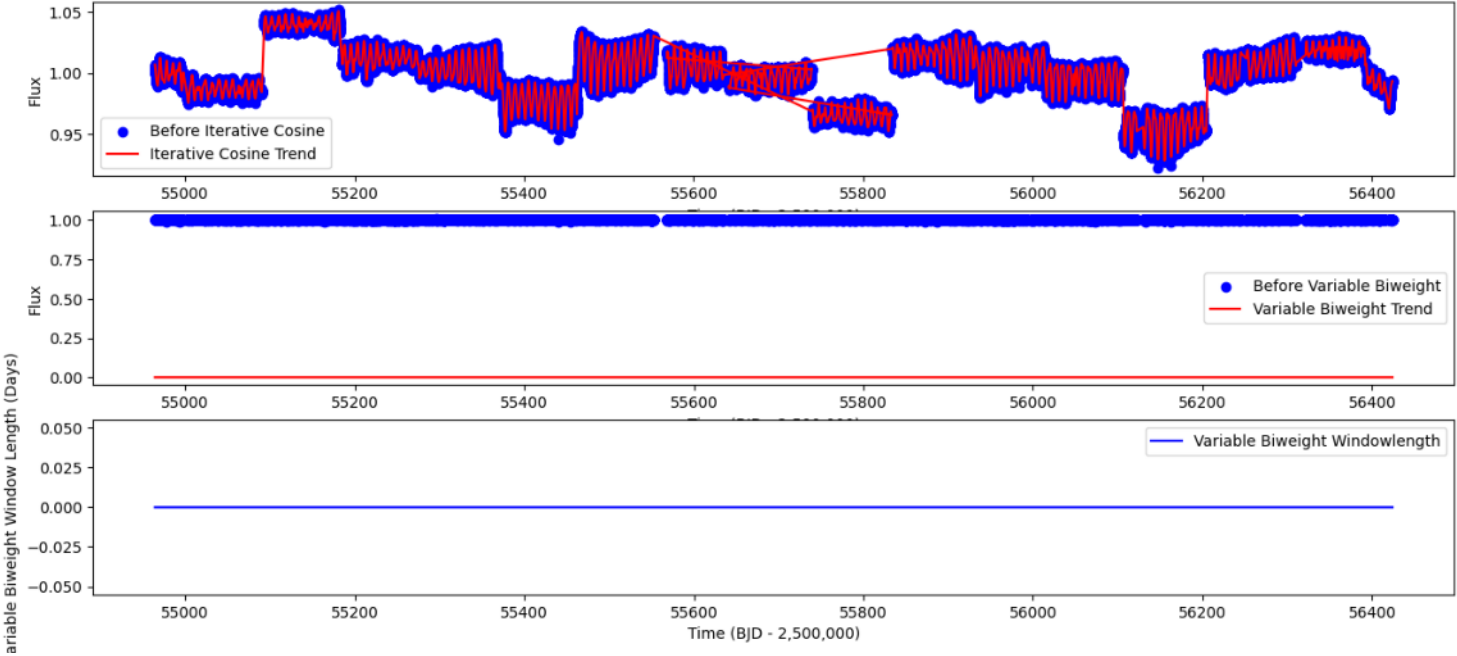


Figure: KIC_10020423_TutorialKepler47Parallel_trends.png



Binary Starting Parameters

Binary Starting Parameters (CSV)

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{  
  "mA (mSun)": "0.8936308524",  
  "mB (mSun)": "0.3340969261",  
  "RA (RSun)": "0.9119557214000001",  
  "RB (RSun)": "0.3321658887",  
  "bjd0 (Days - 2550000)": "-29.30635400000756",  
  "theta (deg)": "151.02567961672284",  
  "Pbin (days)": "7.4483775999999983",  
  "ecc": "0.024087989946603838",  
  "omega (deg)": "215.39932685102448"  
}
```

Source file

LightCurves\Processed\TutorialKepler47Parallel\KIC_10020423_TutorialKepler47Parallel_binaryStartingParams.csv