

KIC10020423 — Detrending Diagnostic

Dataset

Kepler (KIC)

System

KIC10020423

Figure: KIC10020423_TutorialKepler47Parallel2_deepestPoints.png

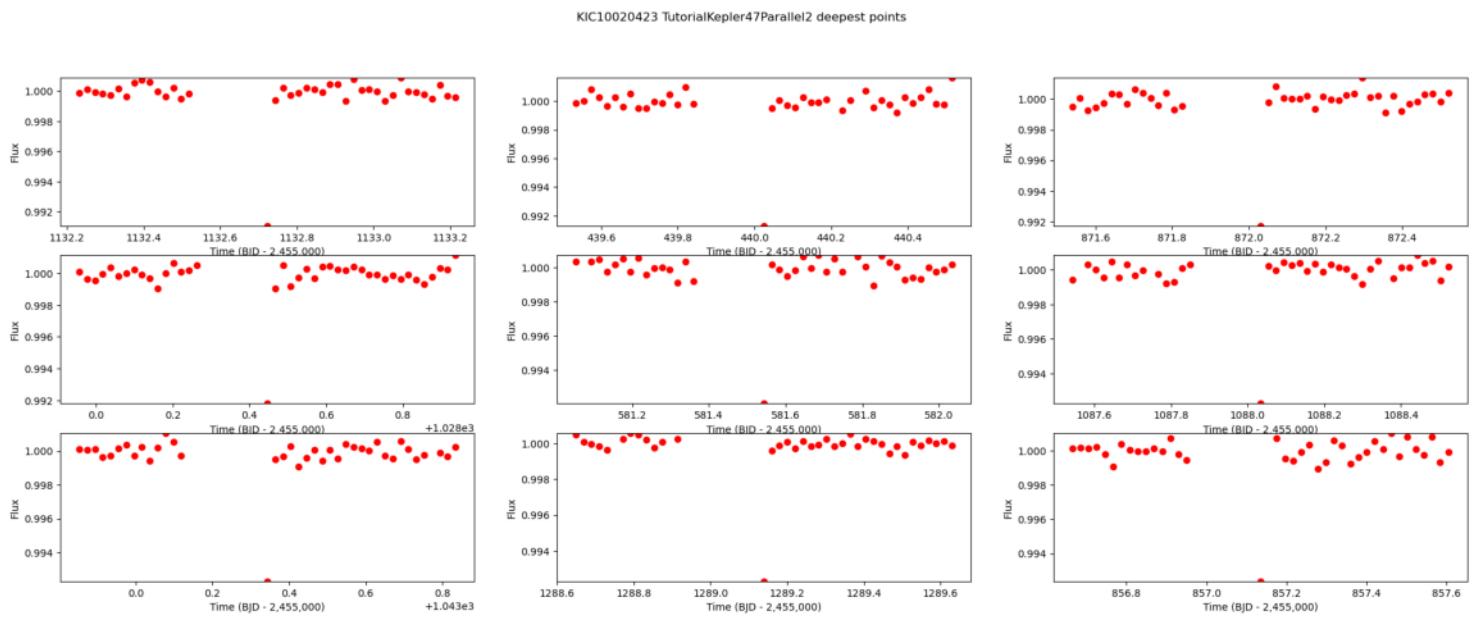


Figure: KIC10020423_TutorialKepler47Parallel2_hookGaps.png

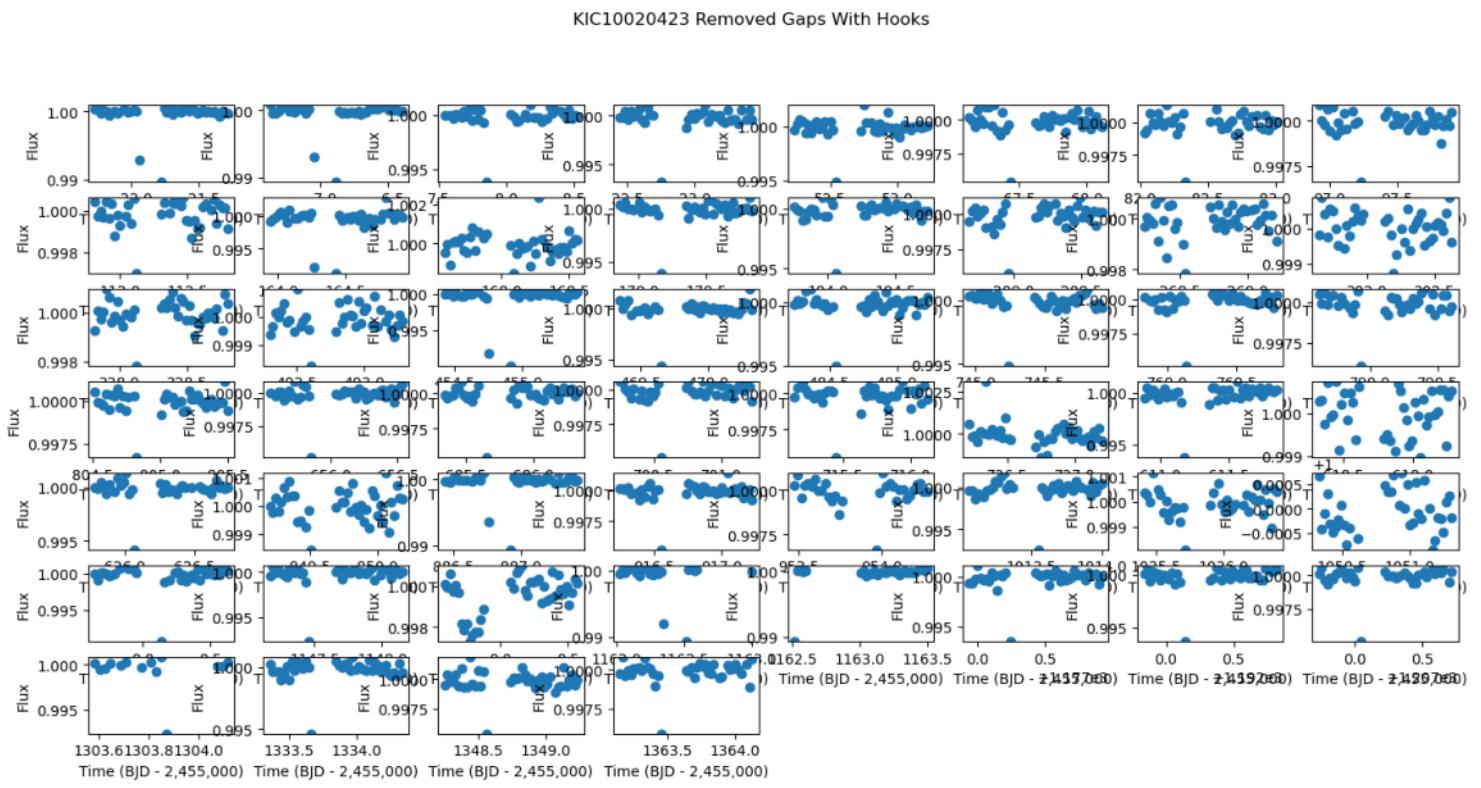


Figure: KIC10020423_TutorialKepler47Parallel2_hookJumps.png

KIC10020423 Removed Jumps In The Data

Figure: KIC10020423_TutorialKepler47Parallel2_potentialLedges.png

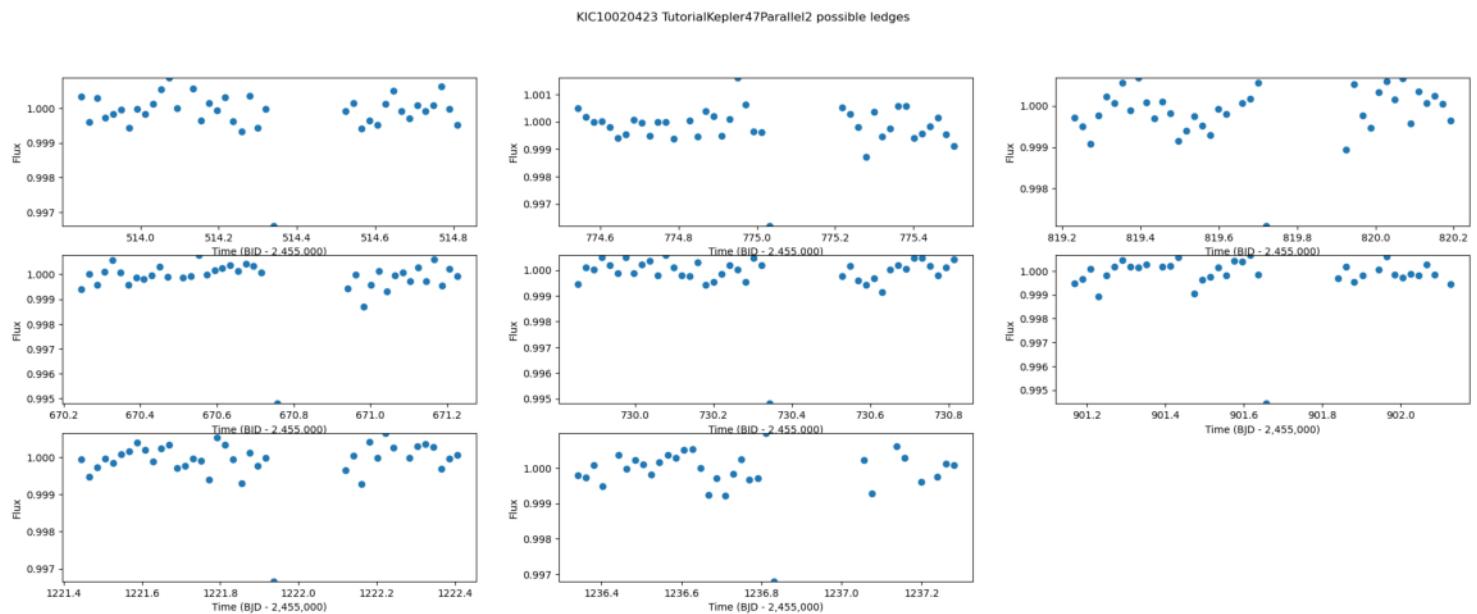


Figure: KIC_10020423_phase_folded_eclipses_removed.png

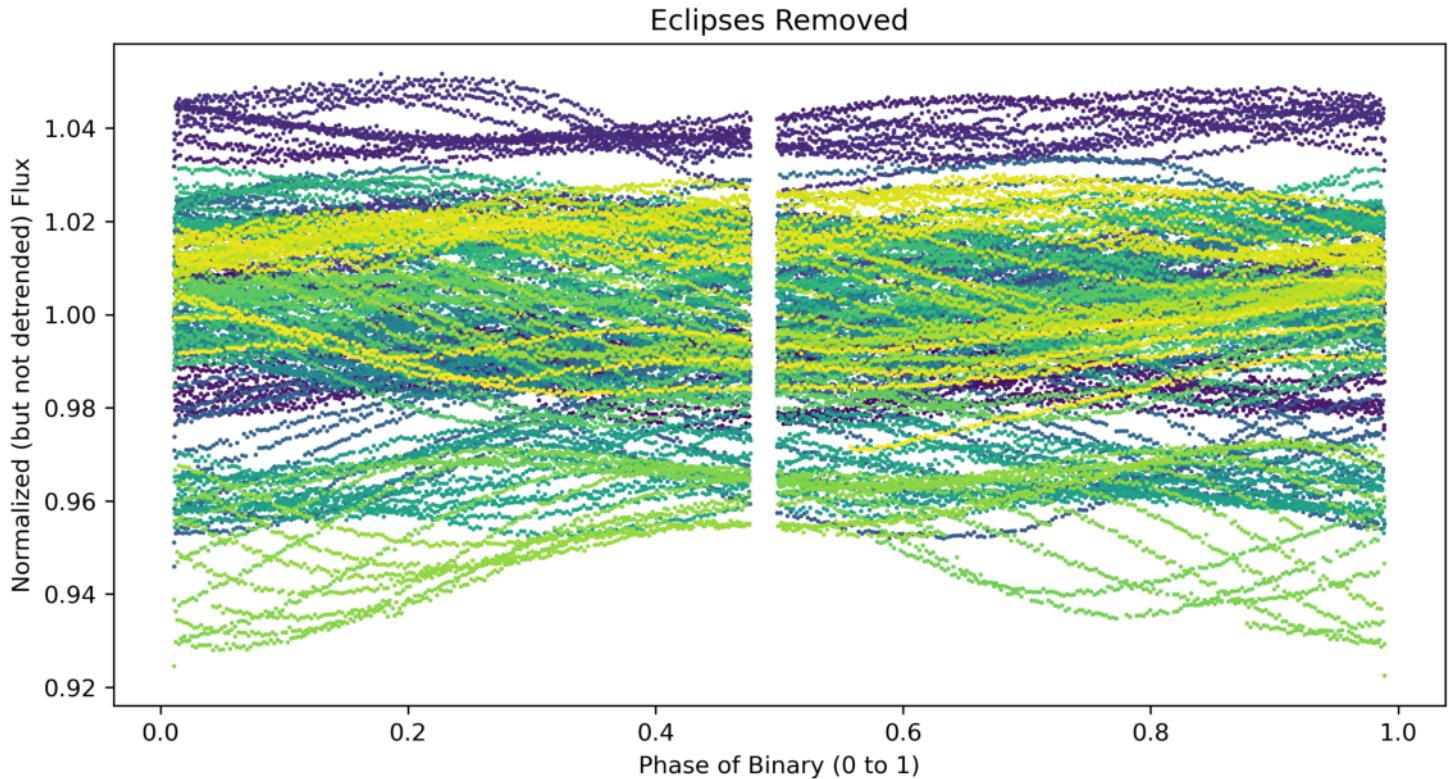


Figure: KIC_10020423_phase_folded_original_data.png

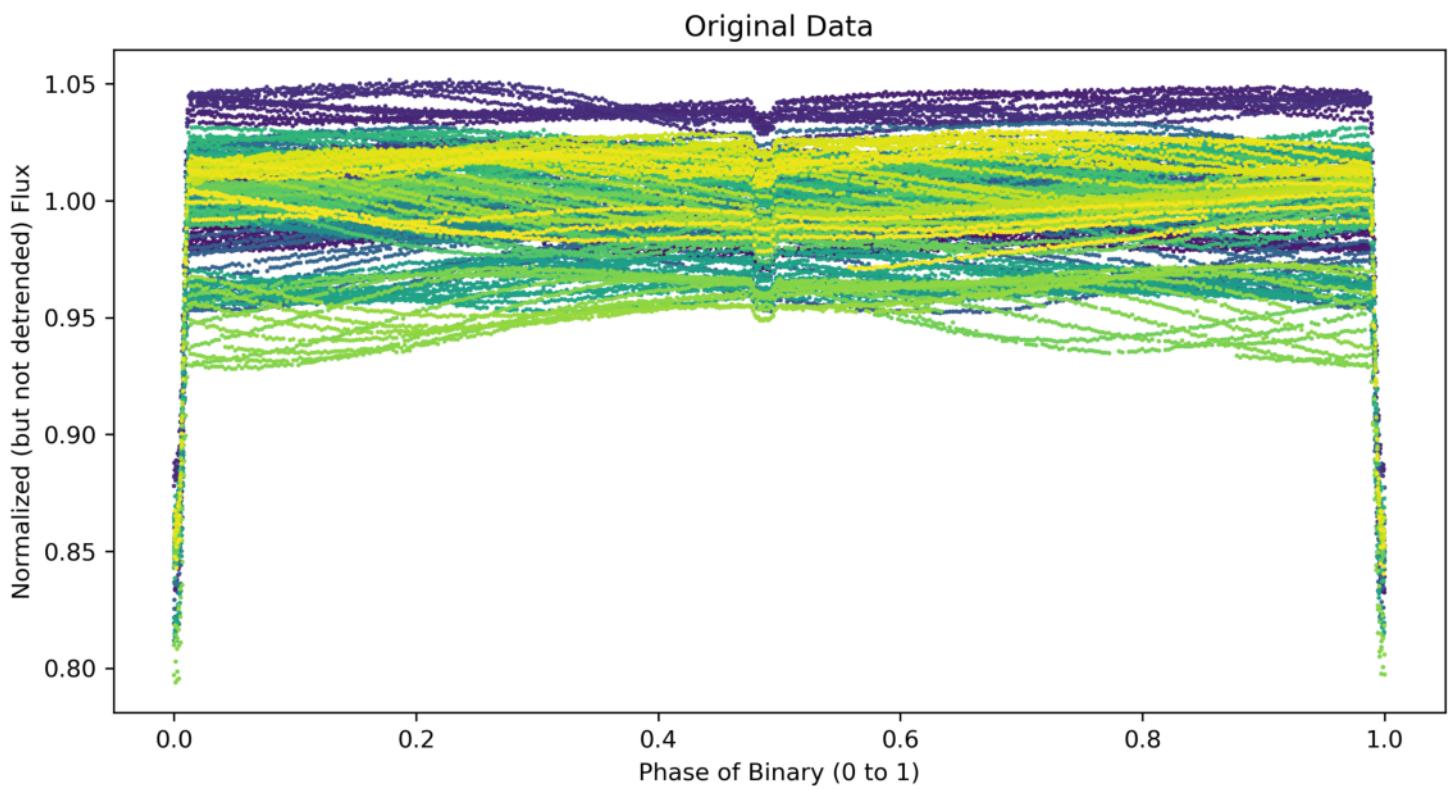


Figure: KIC_10020423_TutorialKepler47Parallel2_detrendingStages.png

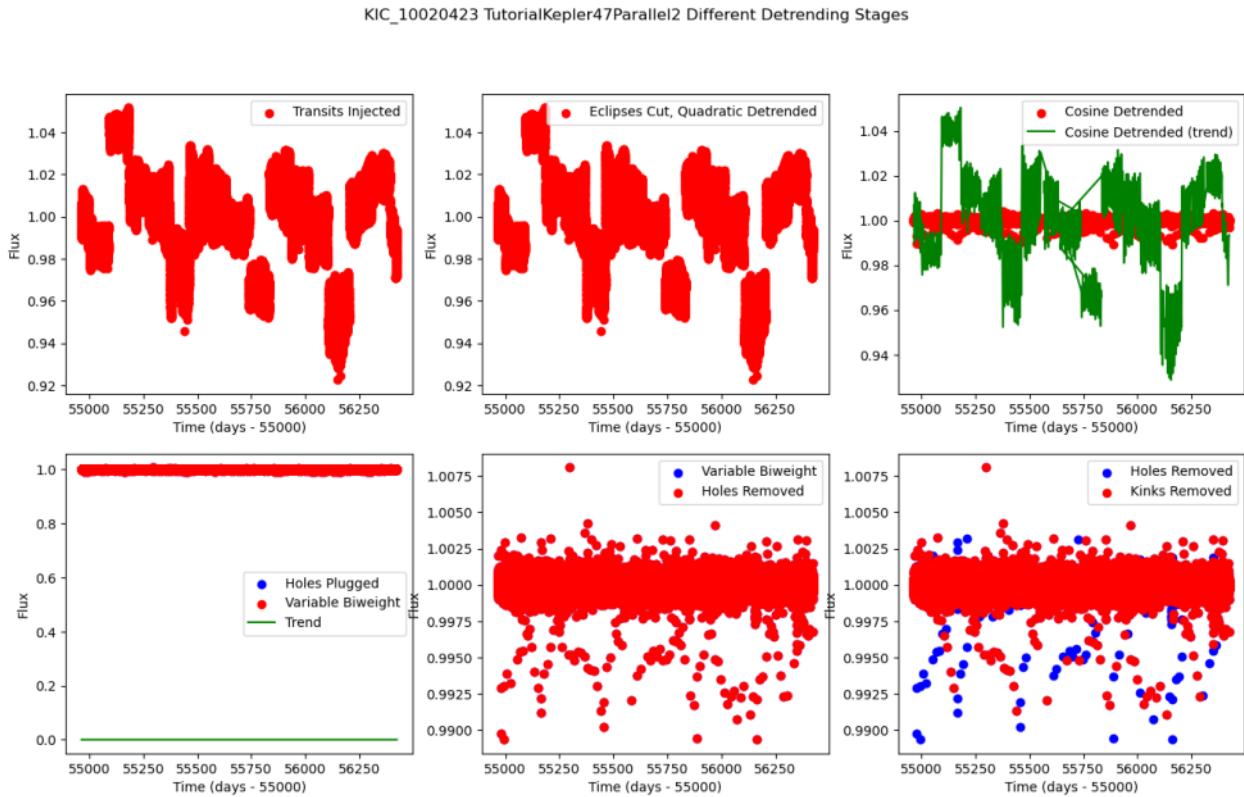


Figure: KIC_10020423_TutorialKepler47Parallel2_periodograms.png

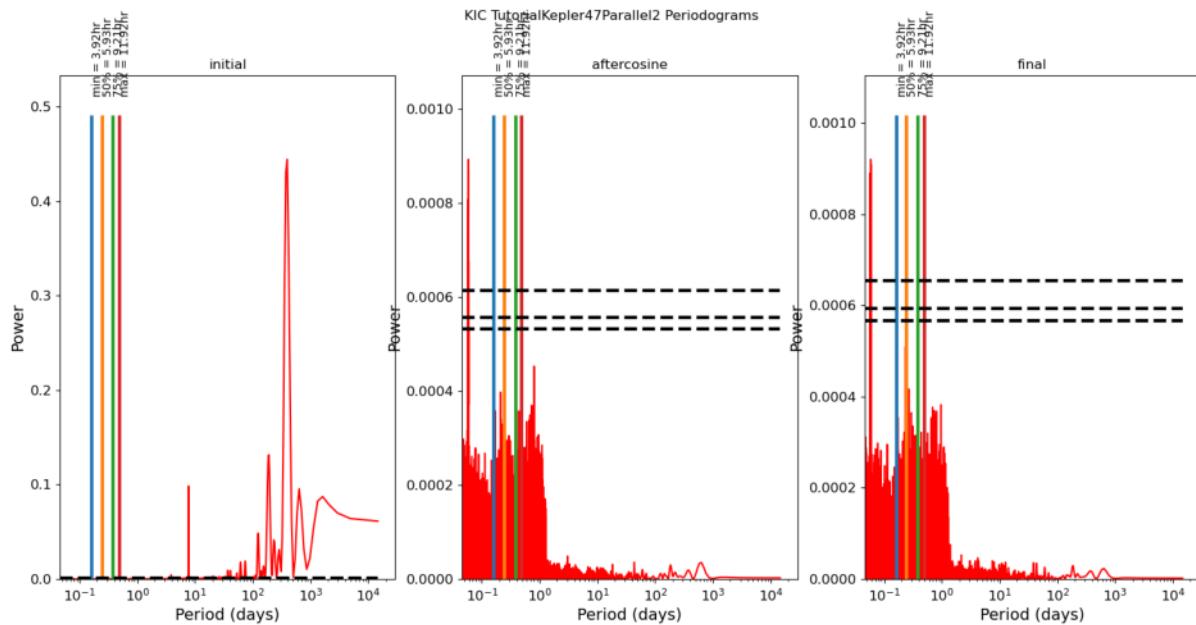
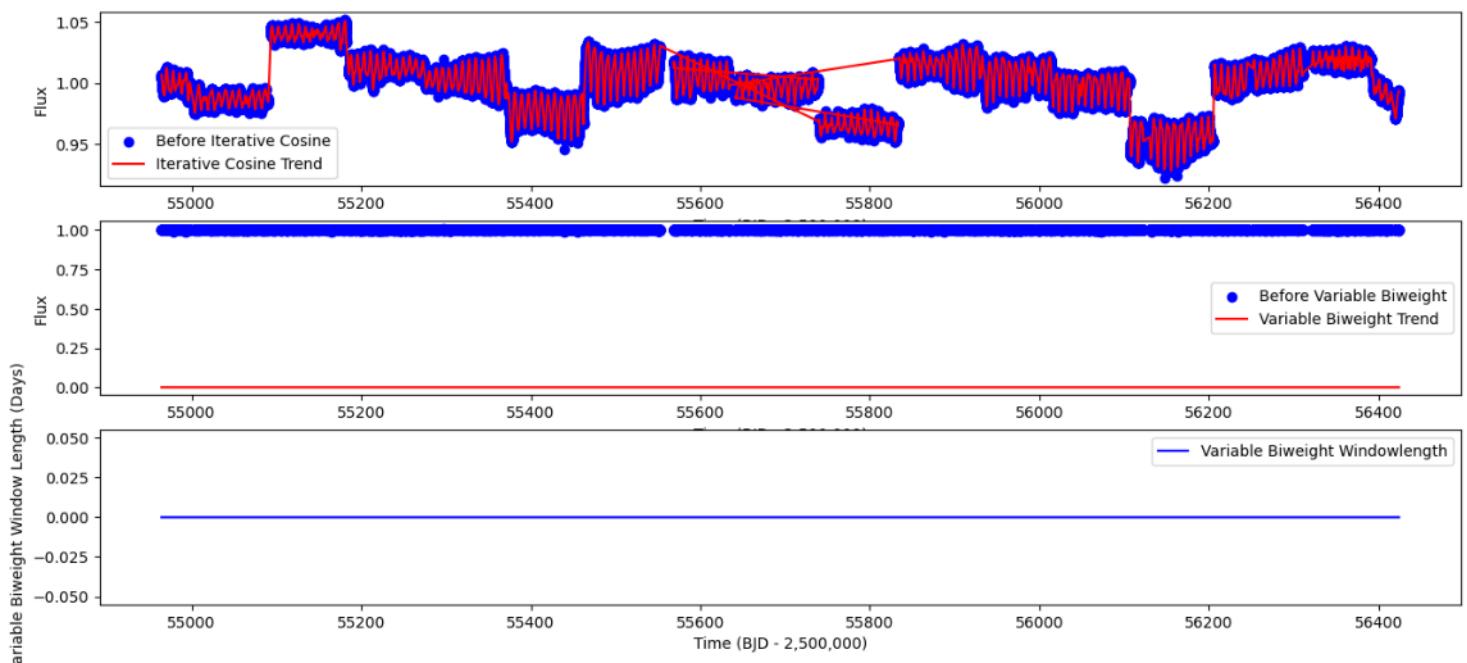


Figure: KIC_10020423_TutorialKepler47Parallel2_trends.png



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)": "7.448377599999983",  
    "ecc": "0.024087989946603838",  
    "omega (deg)": "215.39932685102448"  
}
```

Source file

LightCurves\Processed\TutorialKepler47Parallel2\KIC_10020423_TutorialKepler47Parallel2_binaryStartingParams.csv