

# KIC10020423 — Detrending Diagnostic

## Dataset

Kepler (KIC)

## System

KIC10020423

Figure: KIC10020423\_TutorialKepler47Parallel2\_deepestPoints.png

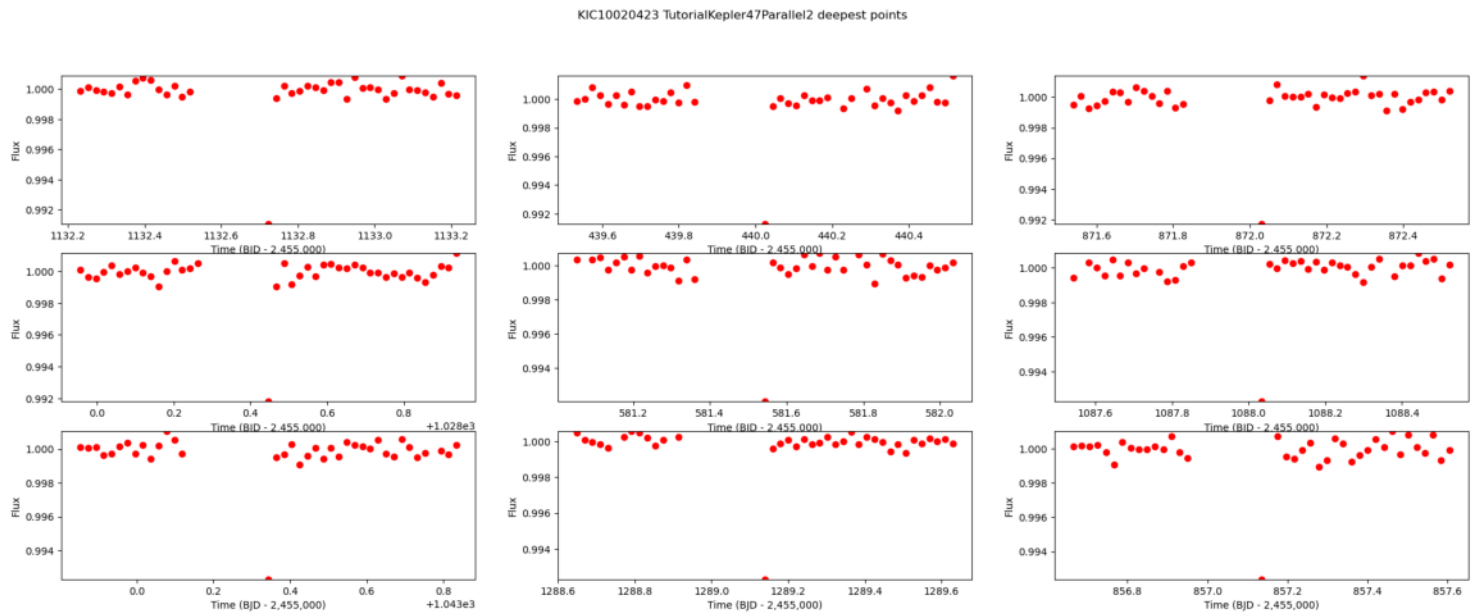


Figure: KIC10020423\_TutorialKepler47Parallel2\_hookGaps.png

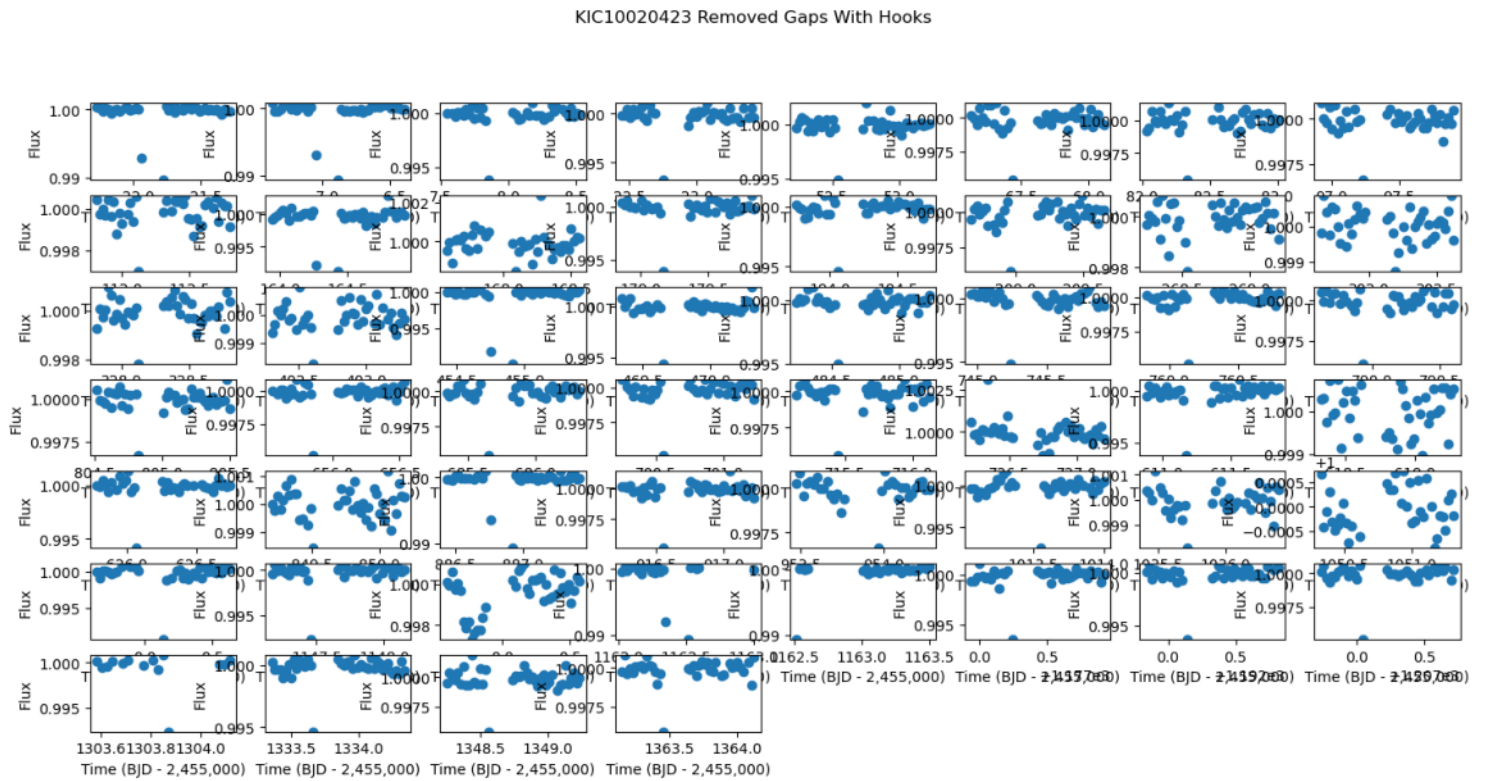


Figure: KIC10020423\_TutorialKepler47Parallel2\_hookJumps.png

# KIC10020423 Removed Jumps In The Data

Figure: KIC10020423\_TutorialKepler47Parallel2\_potentialLedges.png

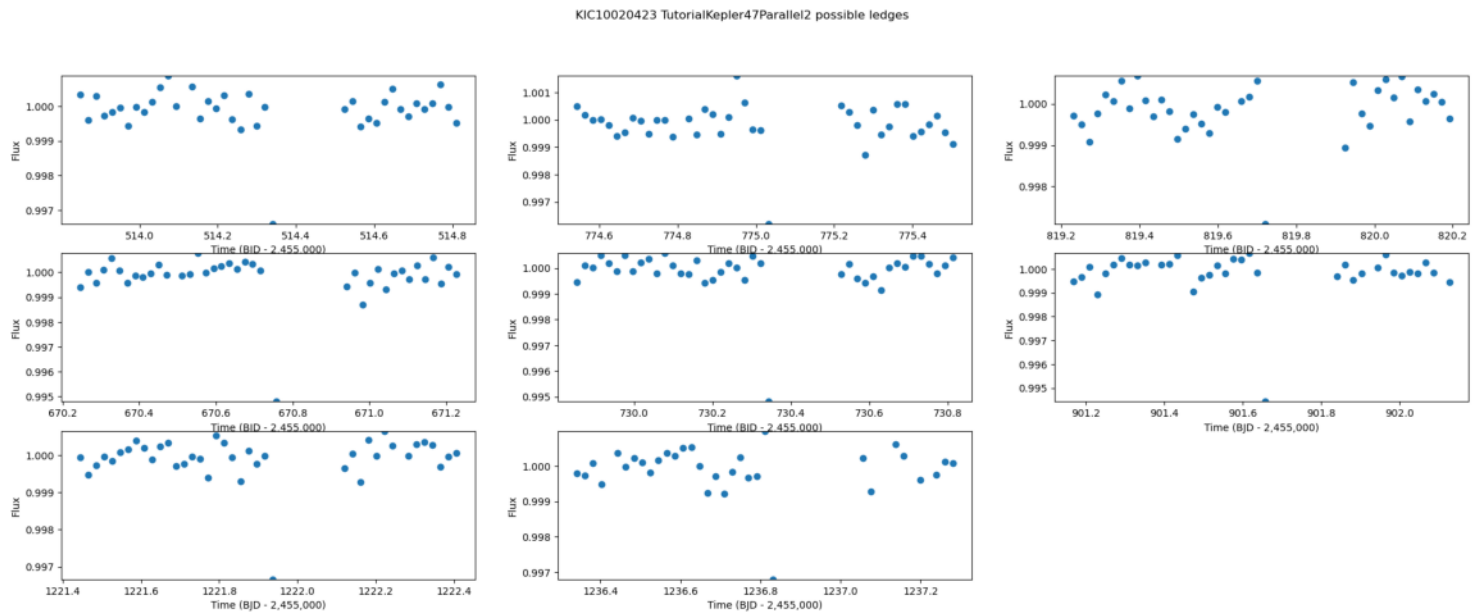


Figure: KIC\_10020423\_phase\_folded\_eclipses\_removed.png

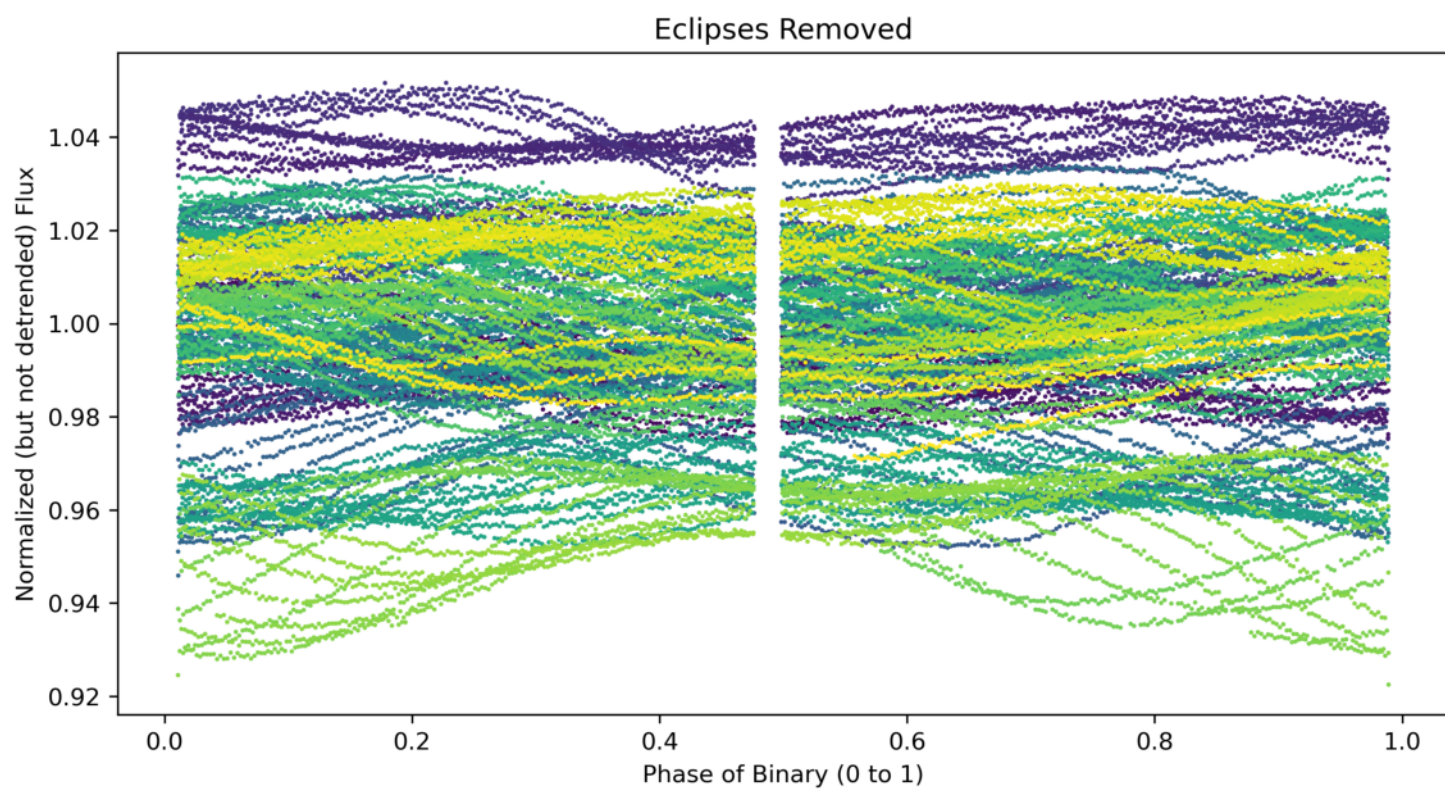


Figure: KIC\_10020423\_phase\_folded\_original\_data.png

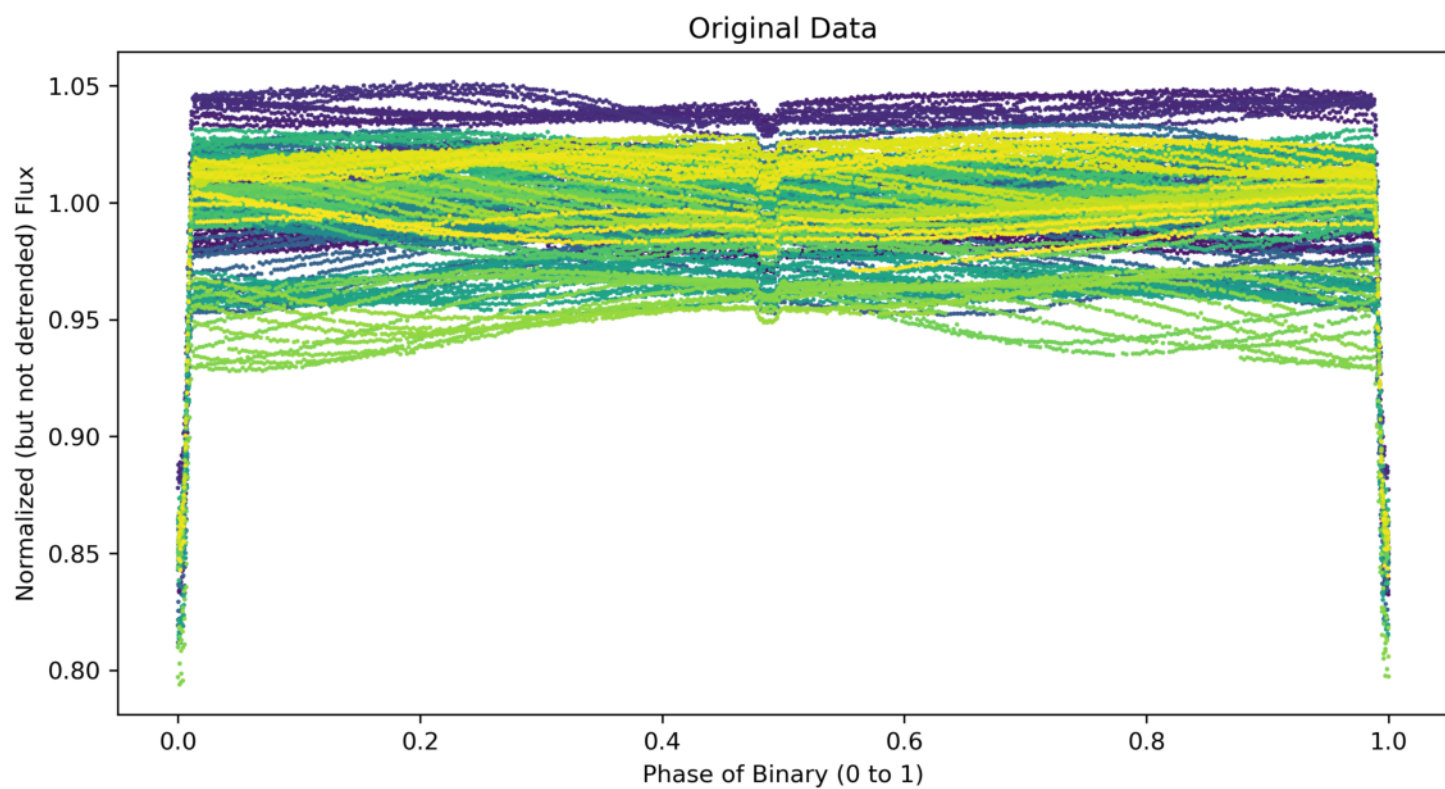


Figure: KIC\_10020423\_TutorialKepler47Parallel2\_detrendingStages.png

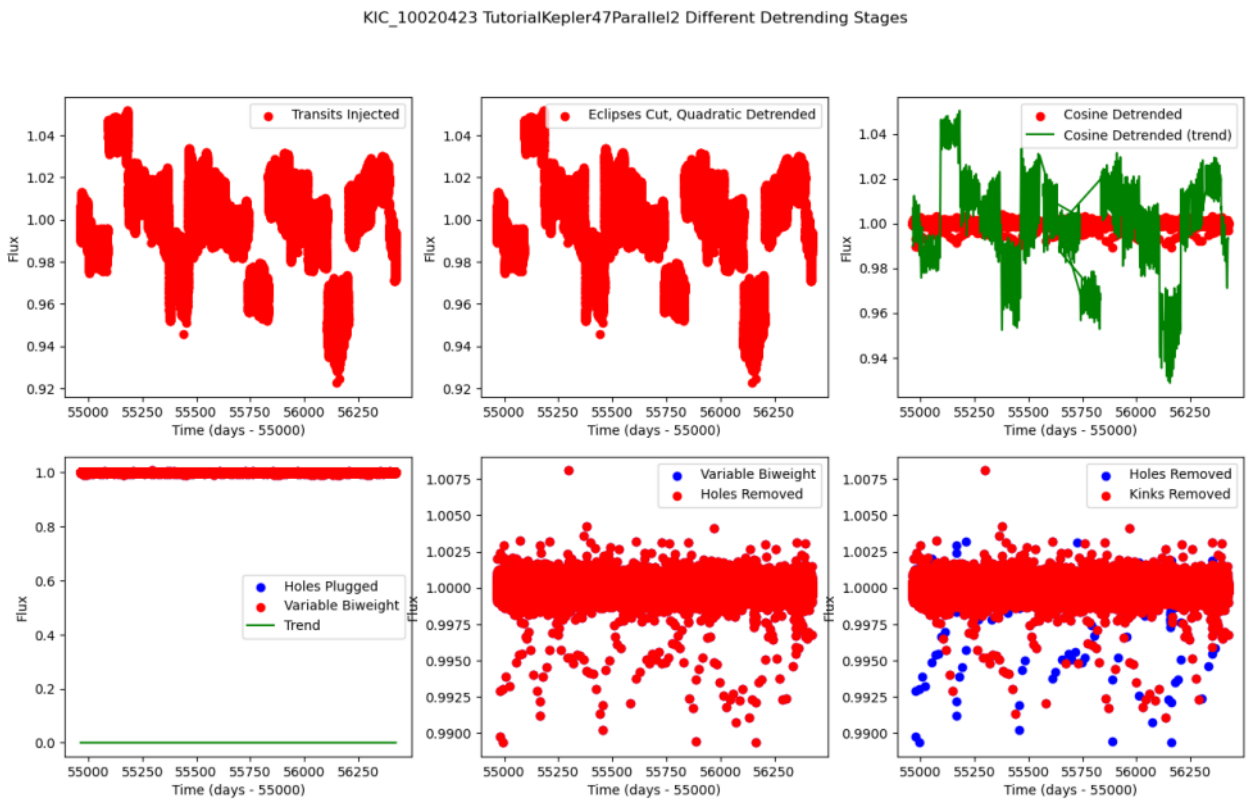


Figure: KIC\_10020423\_TutorialKepler47Parallel2\_periodograms.png

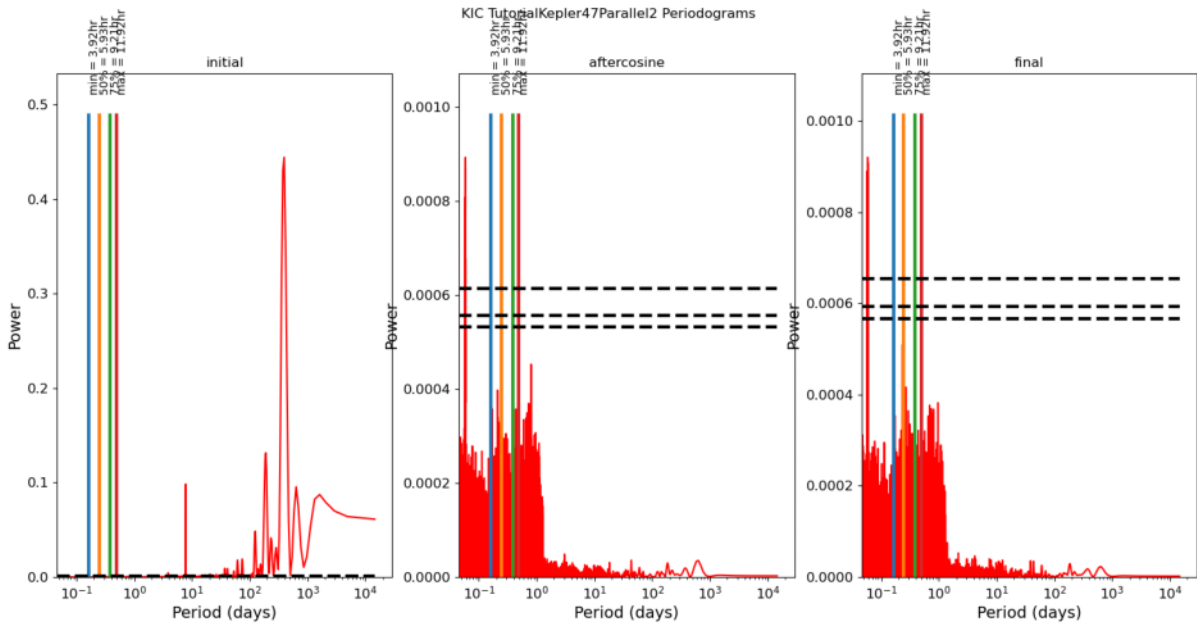
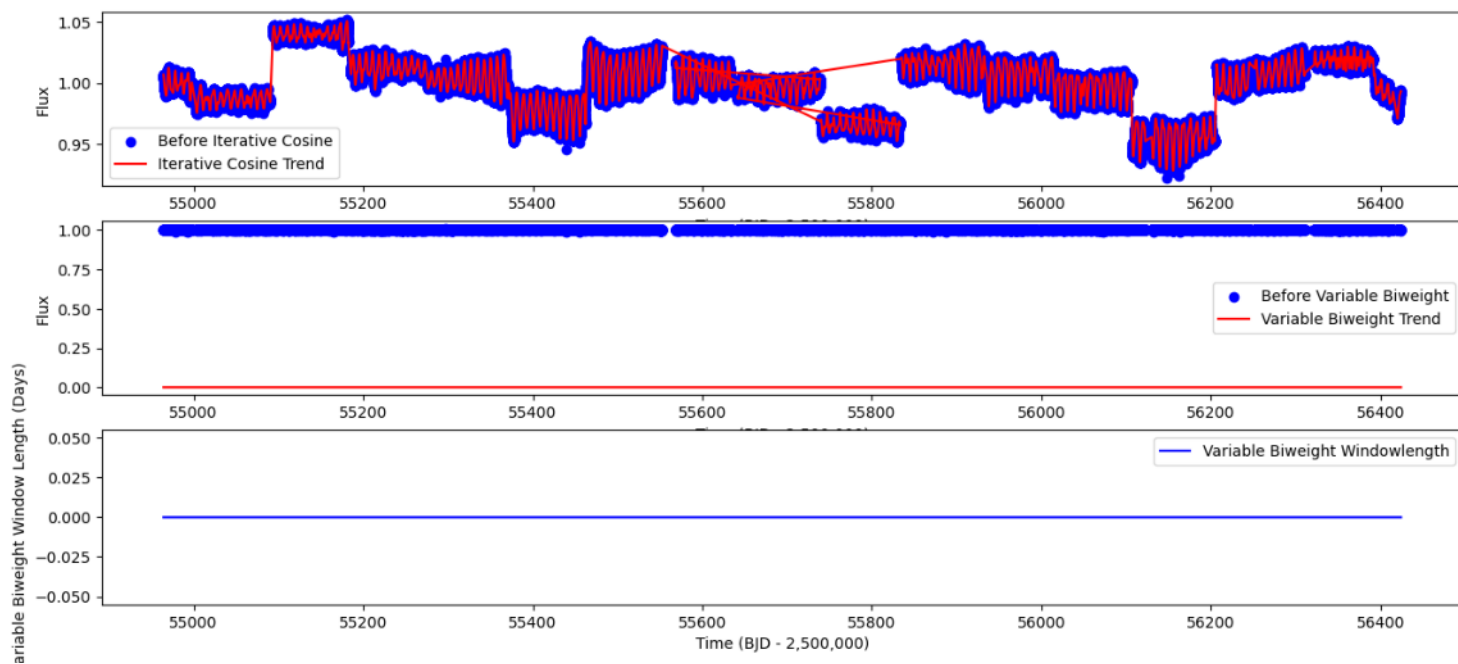


Figure: KIC\_10020423\_TutorialKepler47Parallel2\_trends.png



# Binary Starting Parameters

## Binary Starting Parameters (CSV)

```
{  
  "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\TutorialKepler47Parallel2\KIC\_10020423\_TutorialKepler47Parallel2\_binaryStartingParams.csv