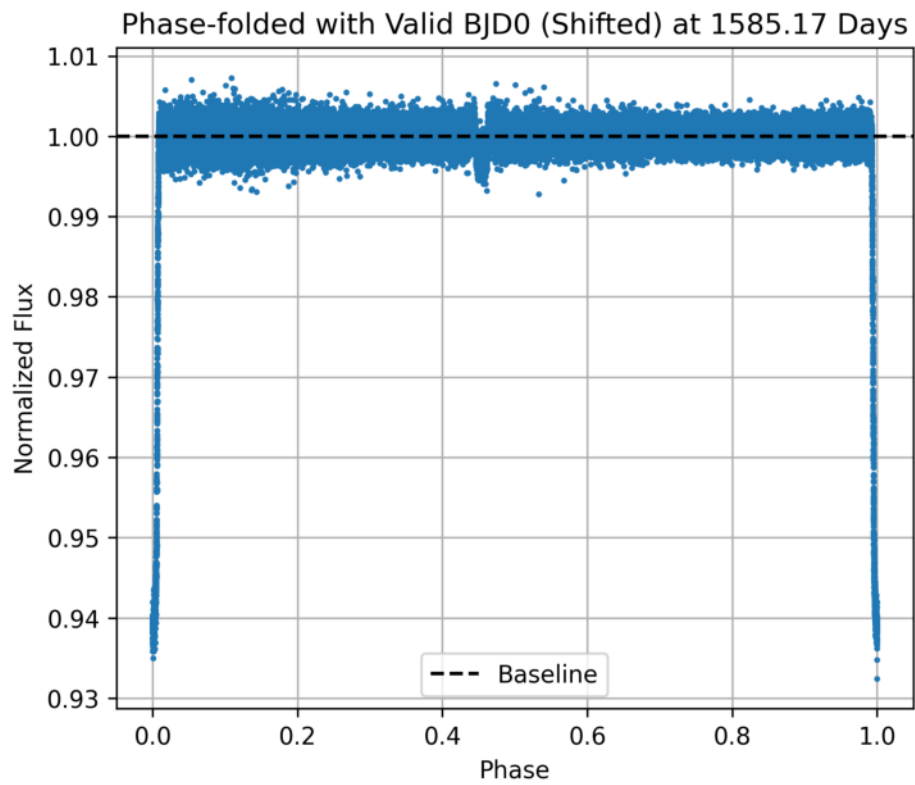


TIC260128333 — Detrending Diagnostic

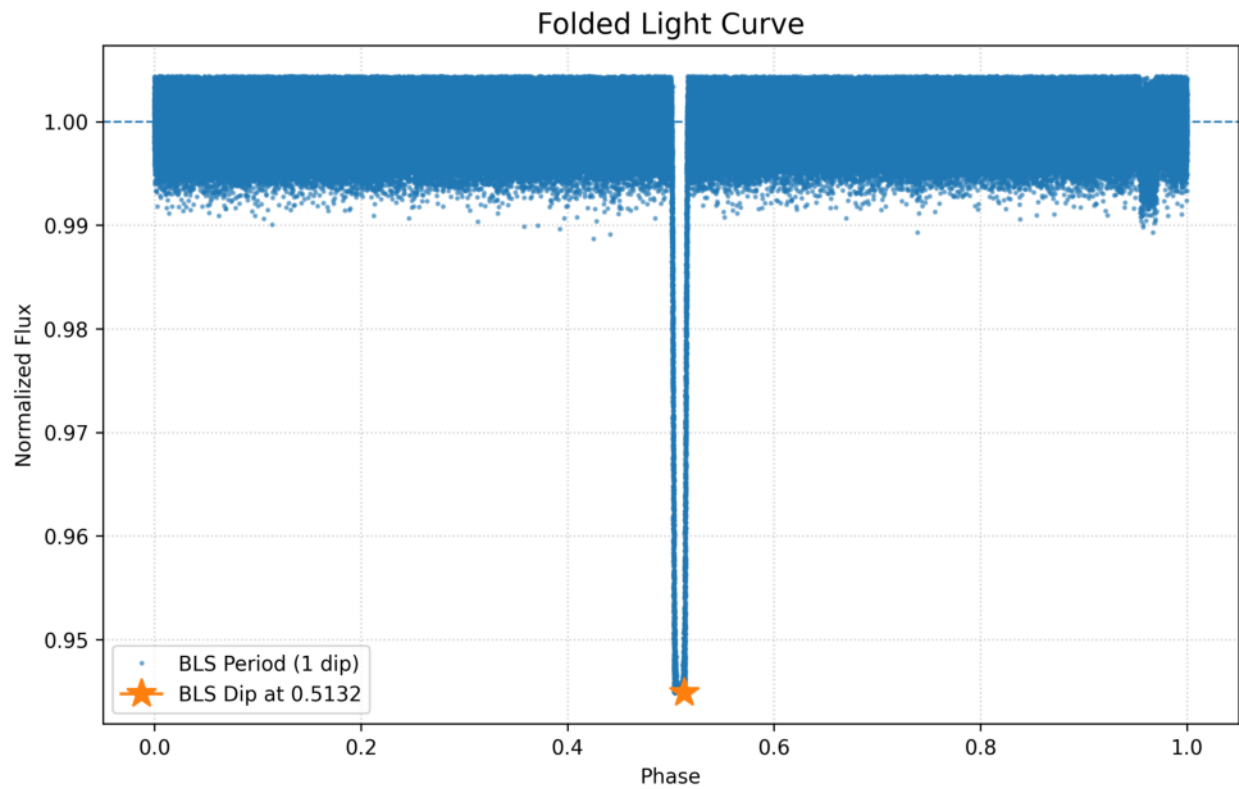
Timing (raw)

```
{  
  "_rows": [  
    "Start time: 1764951574.1910098",  
    "End time: 1764953228.457435",  
    "Total time: 1654.2664251327515 seconds"  
  ]  
}
```

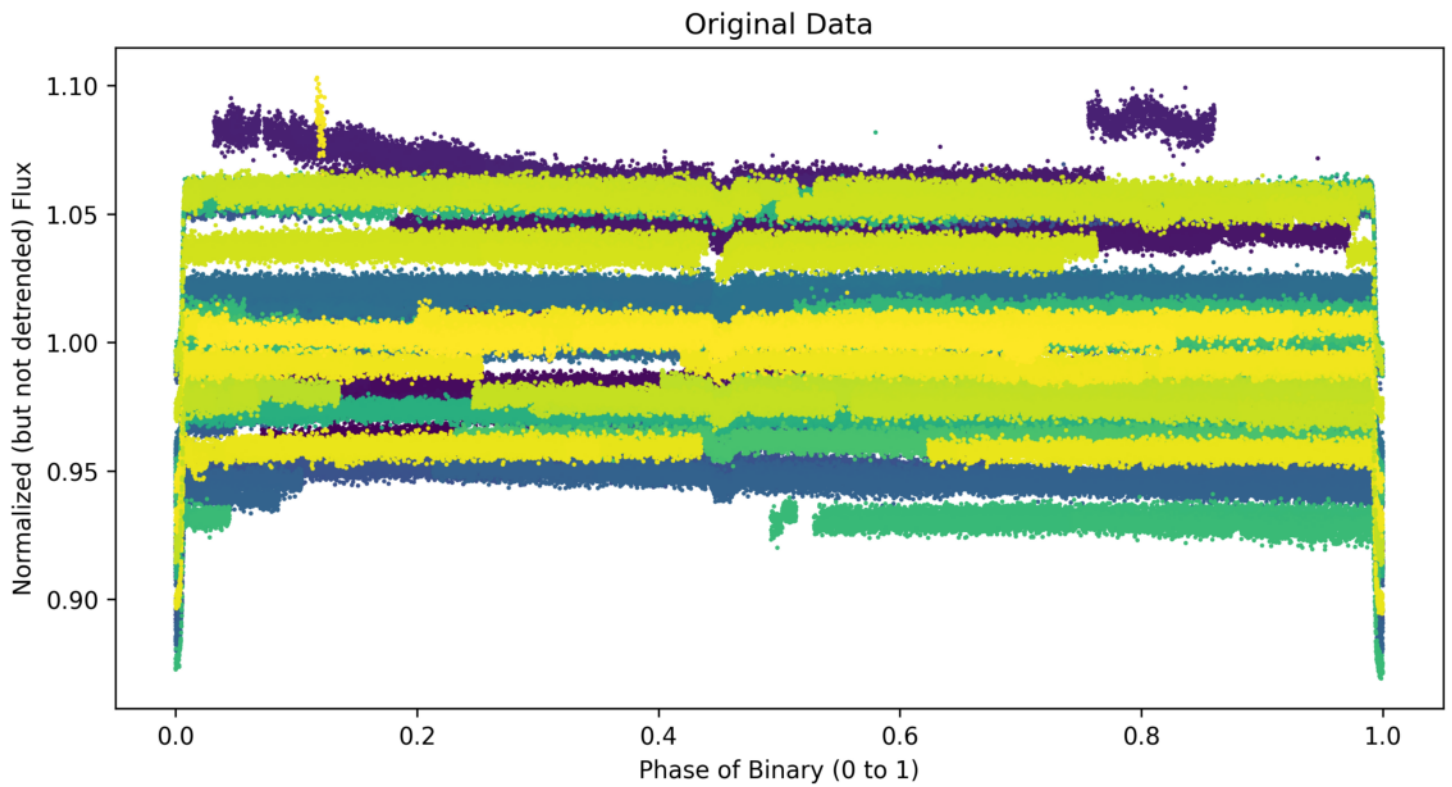
Data Preparation: BJD0Validation_260128333.png



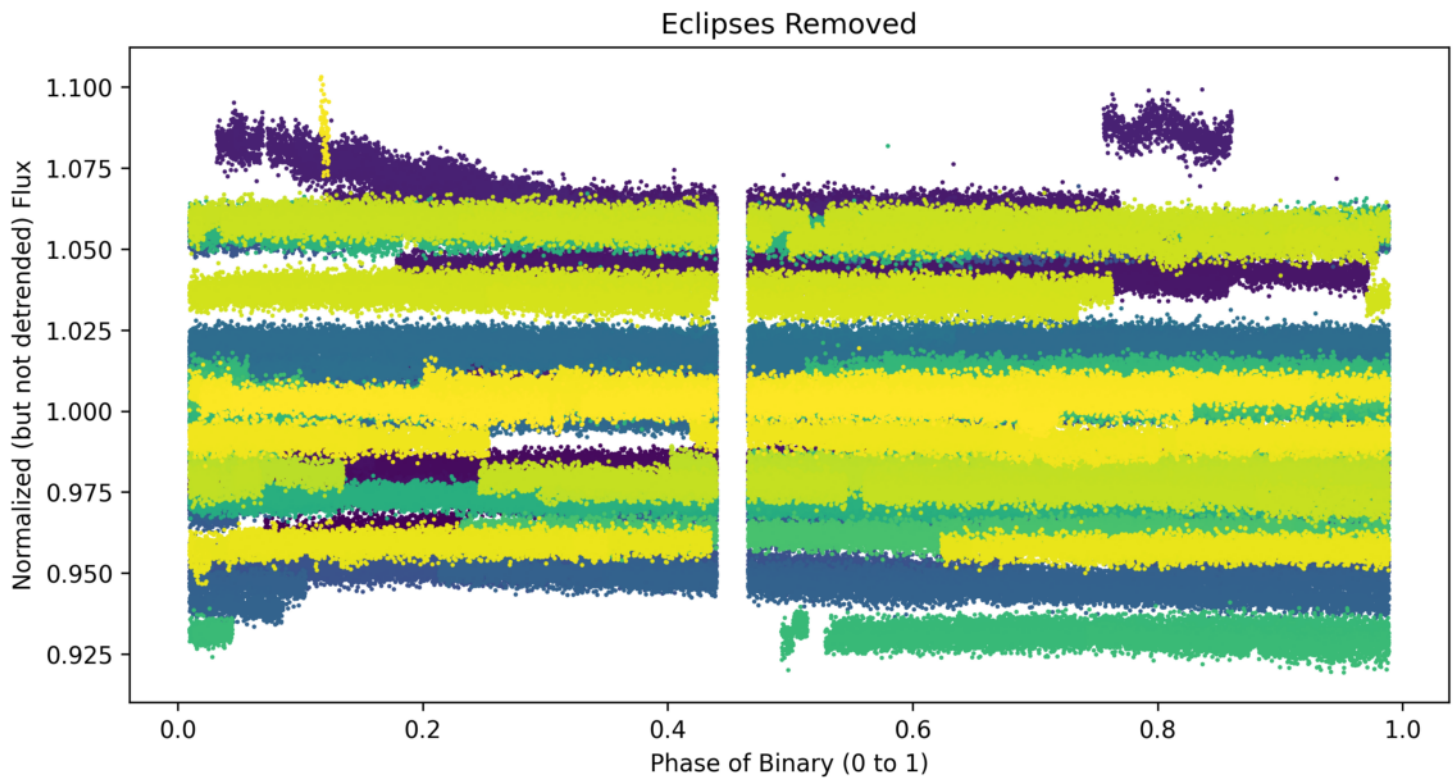
Data Preparation: BLS_Double_Period_260128333.png



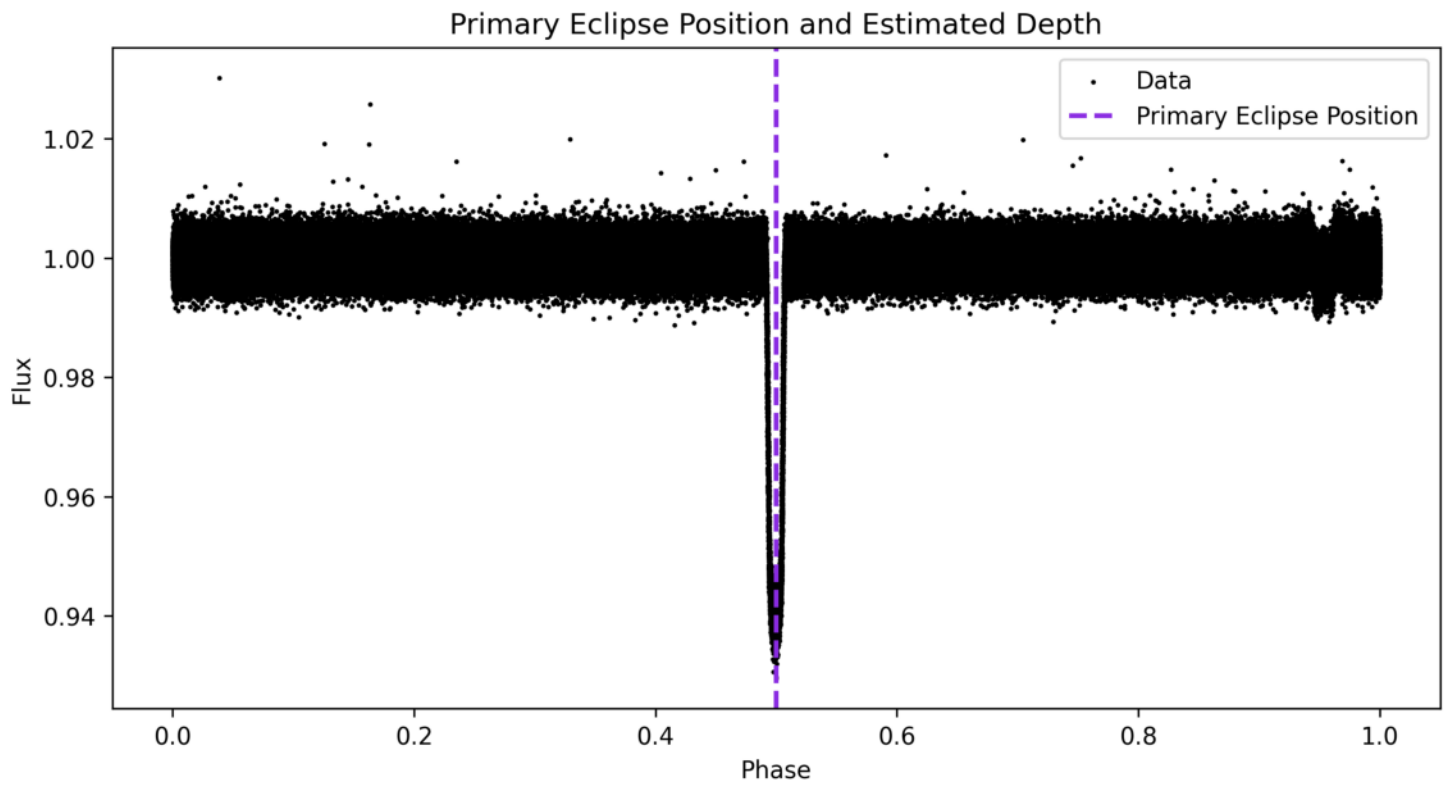
Data Preparation: Original_Data_260128333.png



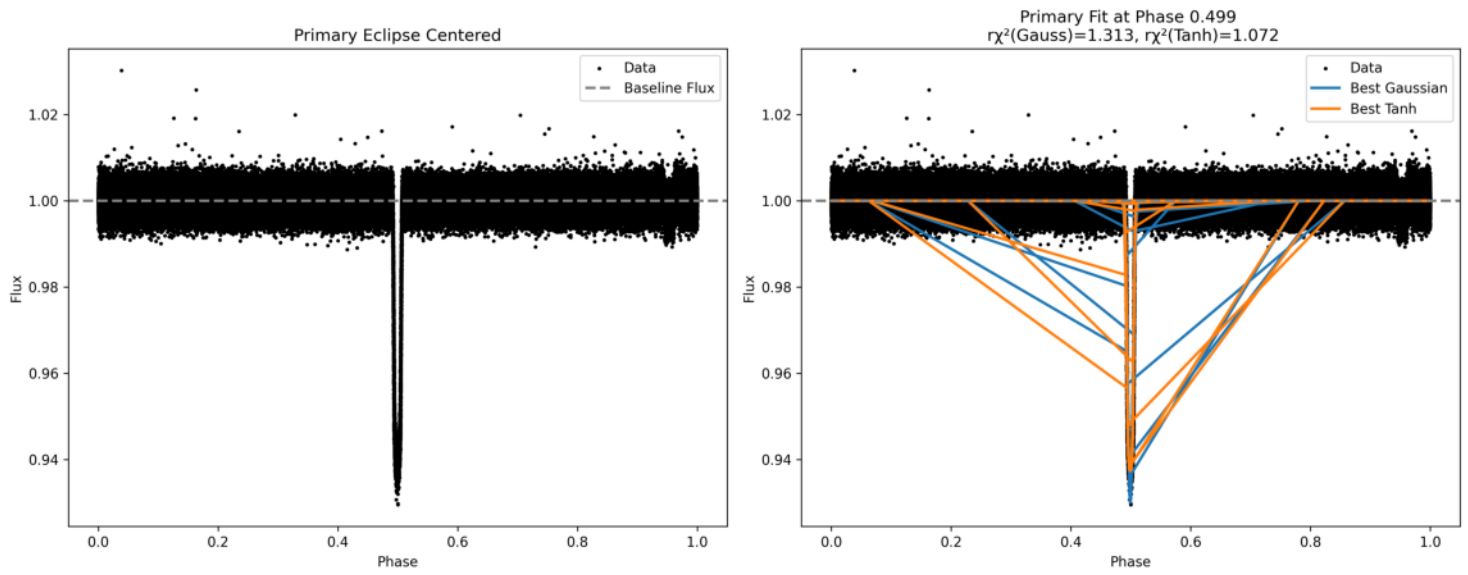
Data Preparation: Phase_Folded_Eclipses_Removed_260128333.png



Data Preparation: Primary_Eclipse_Estimate_260128333.png

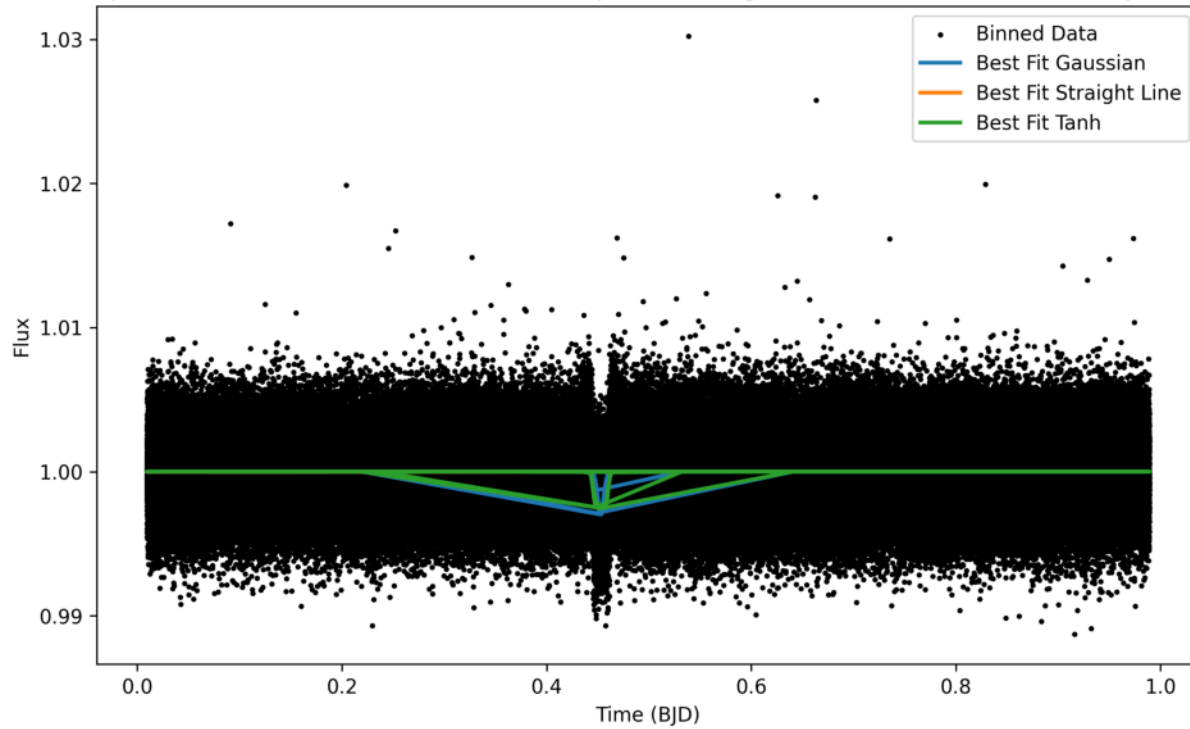


Data Preparation: Primary_Eclipse_Fit_260128333.png

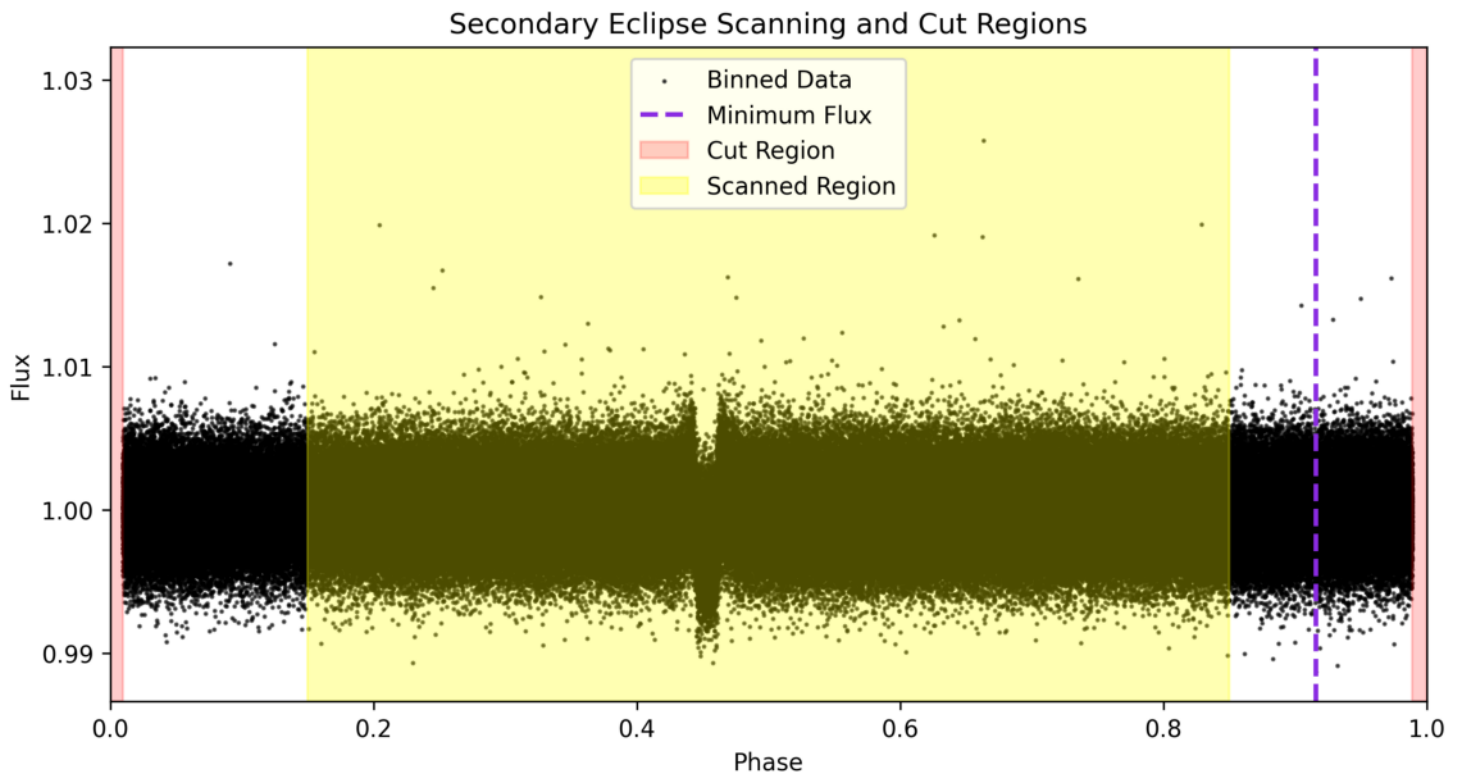


Data Preparation: Secondary_Eclipse_Candidate_260128333.png

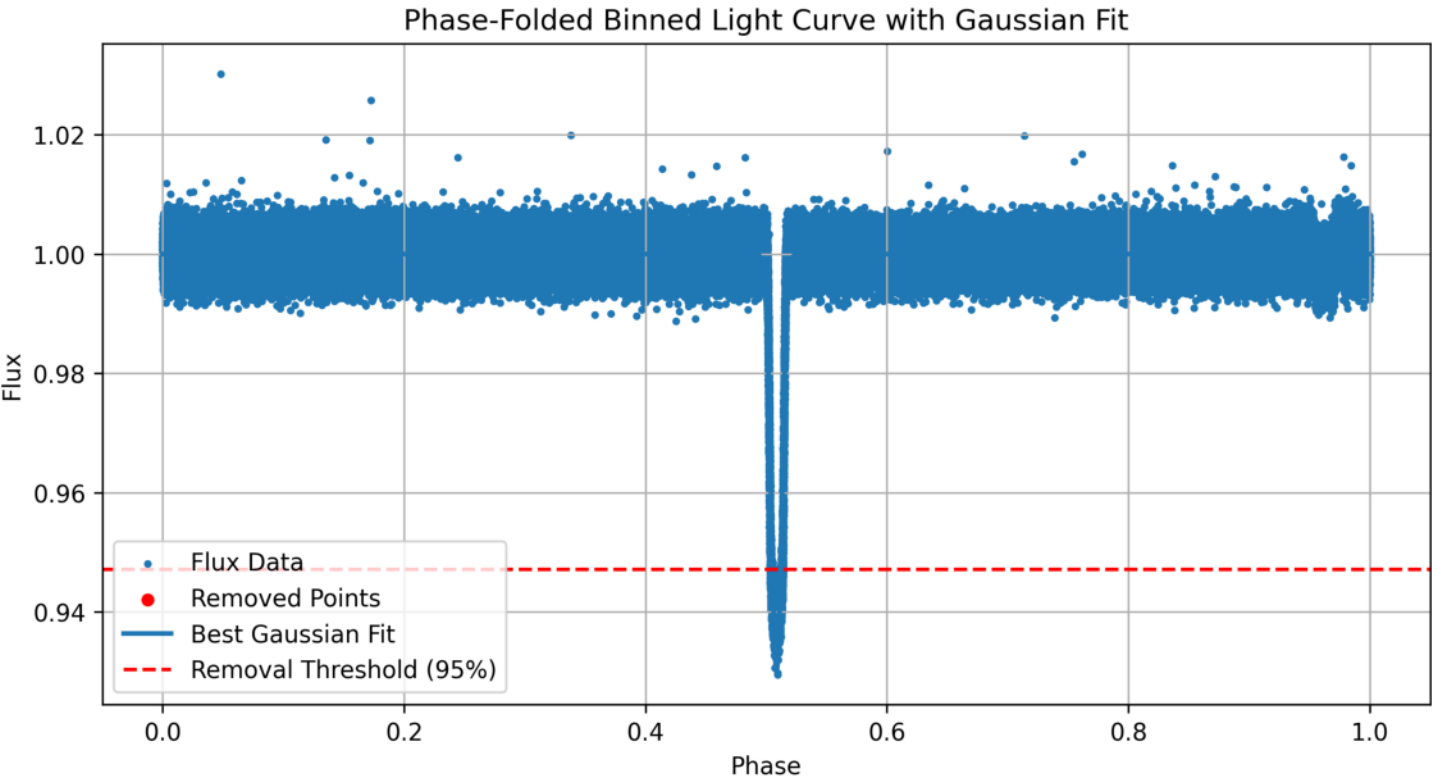
Secondary Eclipse Candidate at Phase 0.453
Reduced Chi-squared (Gaussian): 0.989, Reduced Chi-squared (Straight Line): 1.002, Reduced Chi-squared (Tanh): 0.984



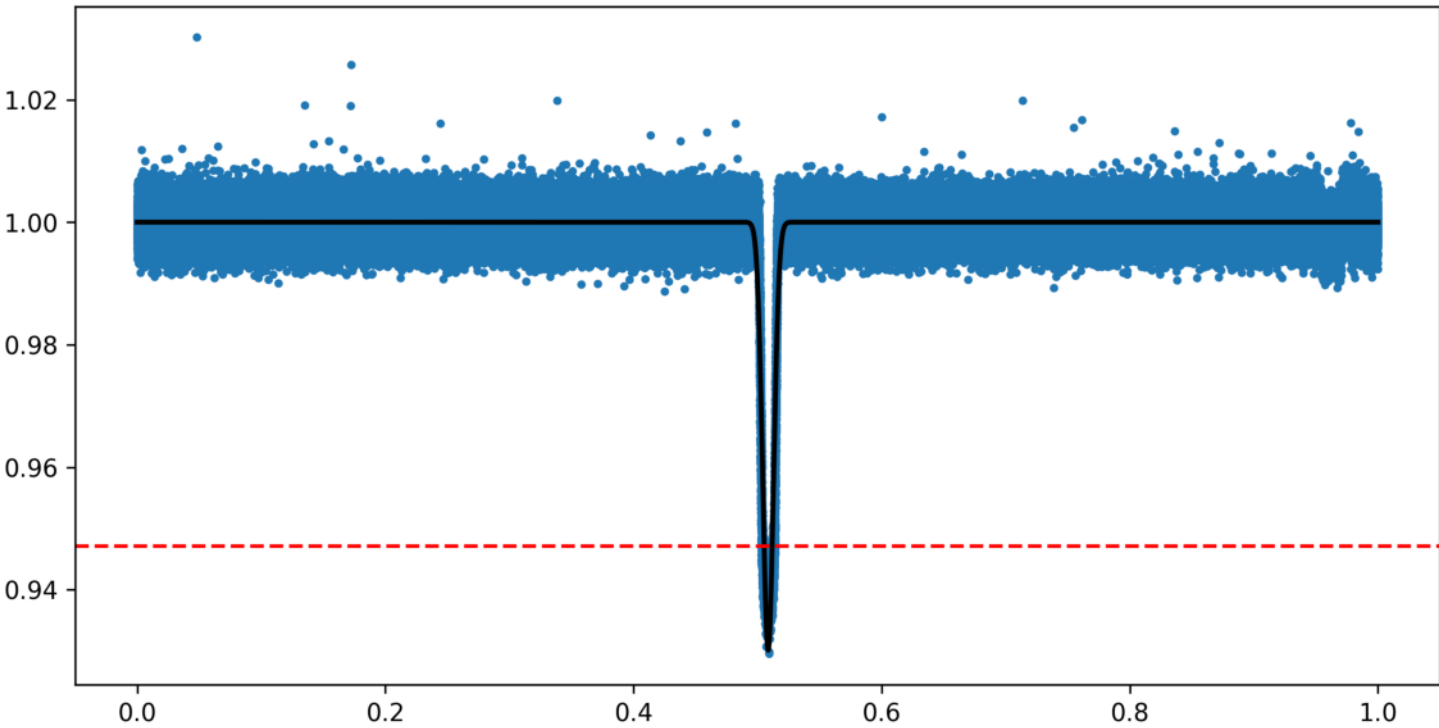
Data Preparation: Secondary_Eclipse_Scanning_260128333.png



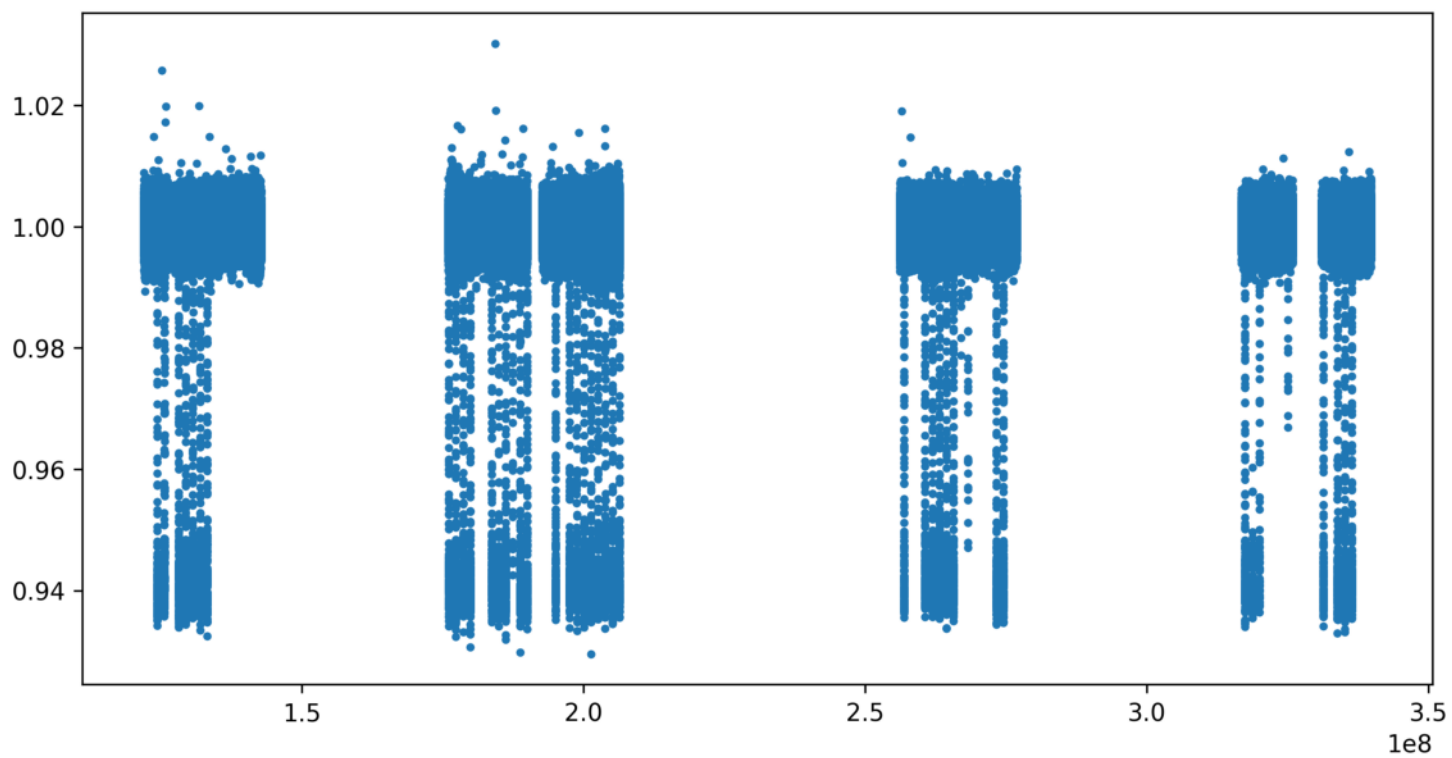
Data Preparation: Spurious_Signals_Removed_260128333.png



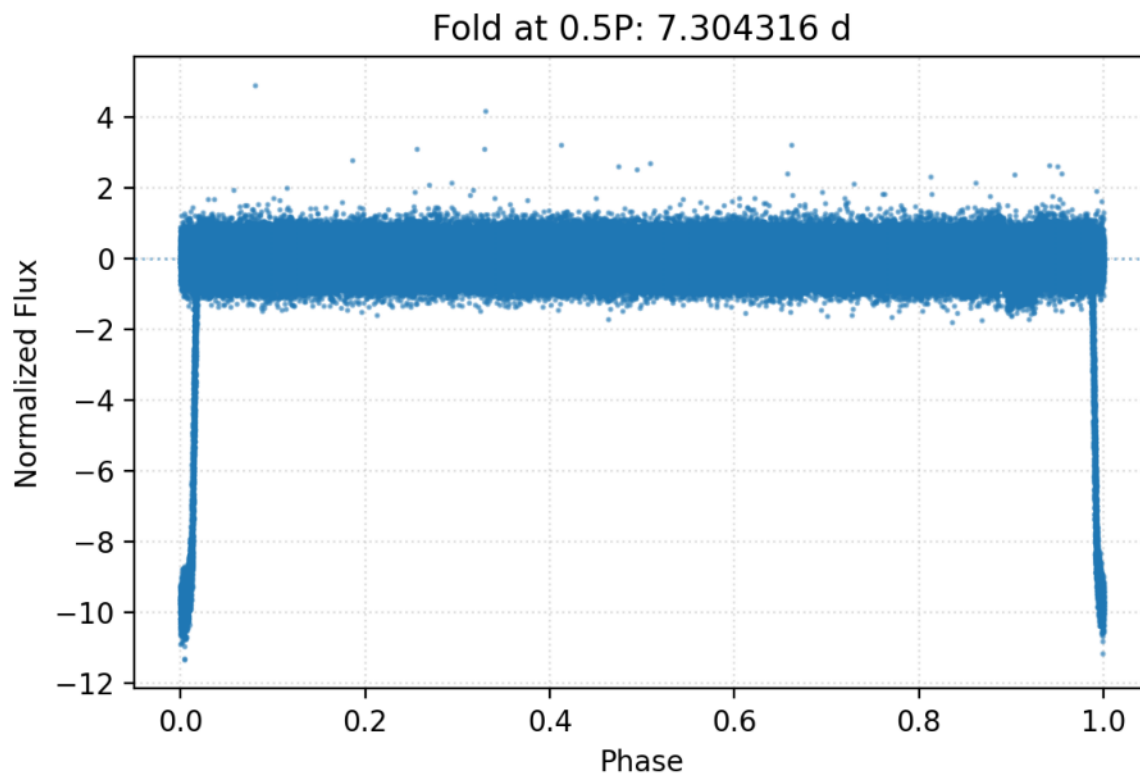
Data Preparation: Spurious_Signals_Removed_PHASE_260128333.png



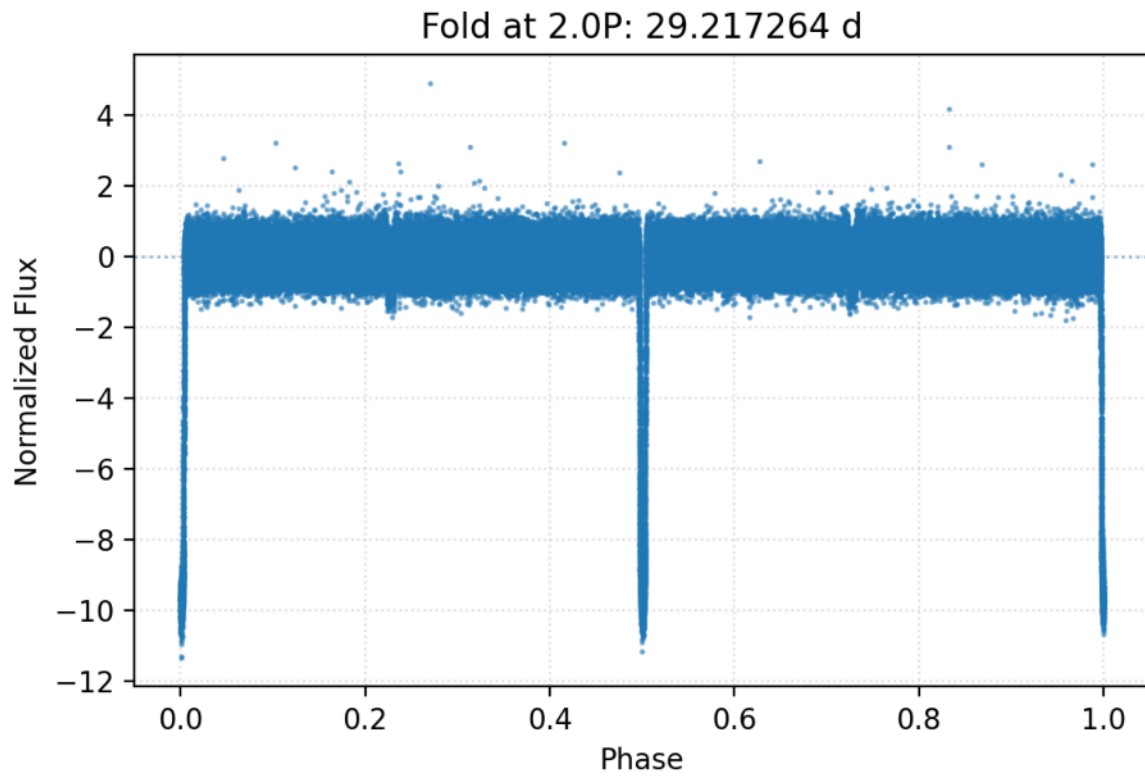
Data Preparation: Spurious_Signals_Removed_TIME_260128333.png



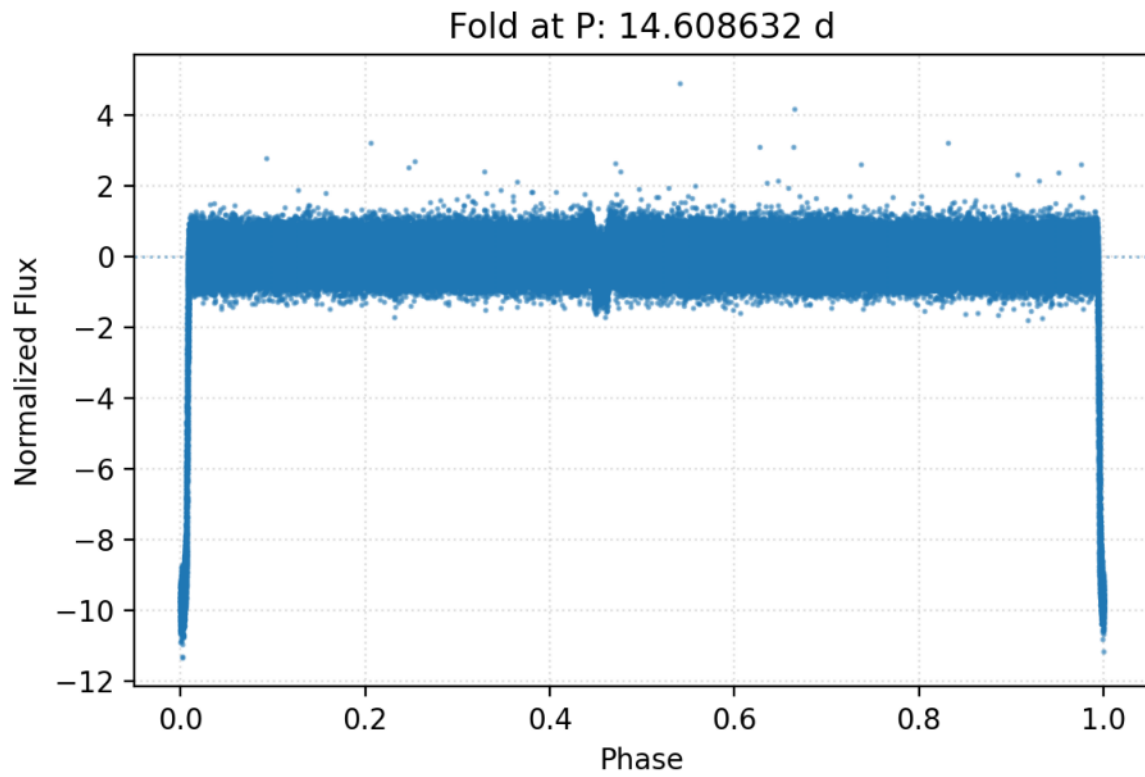
Data Preparation: target_harmonics_0p5P.png



Data Preparation: target_harmonics_2p0P.png



Data Preparation: target_harmonics_P.png



Data Preparation: Validated Period Extra 260128333.png

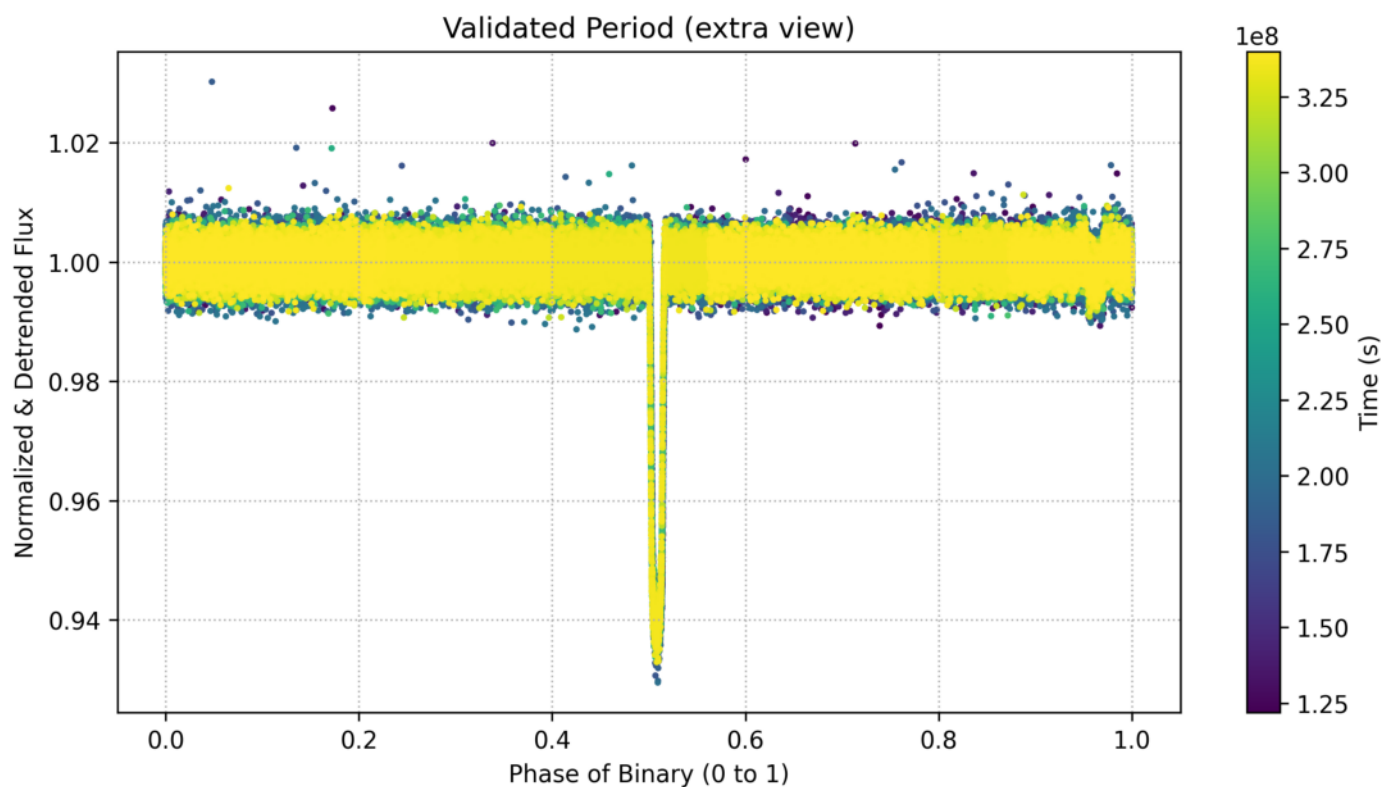


Figure: TIC260128333_TutorialTOI1338Parallel_deepestPoints.png

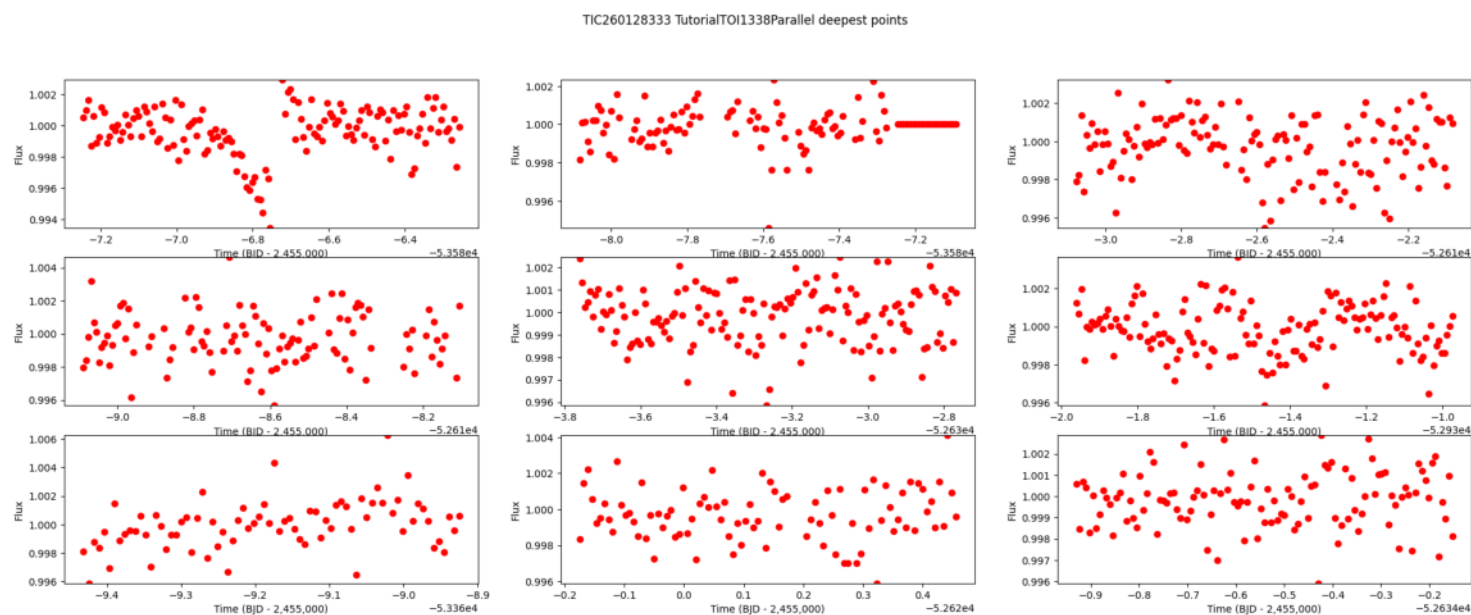


Figure: TIC260128333_TutorialTOI1338Parallel_hookGaps.png

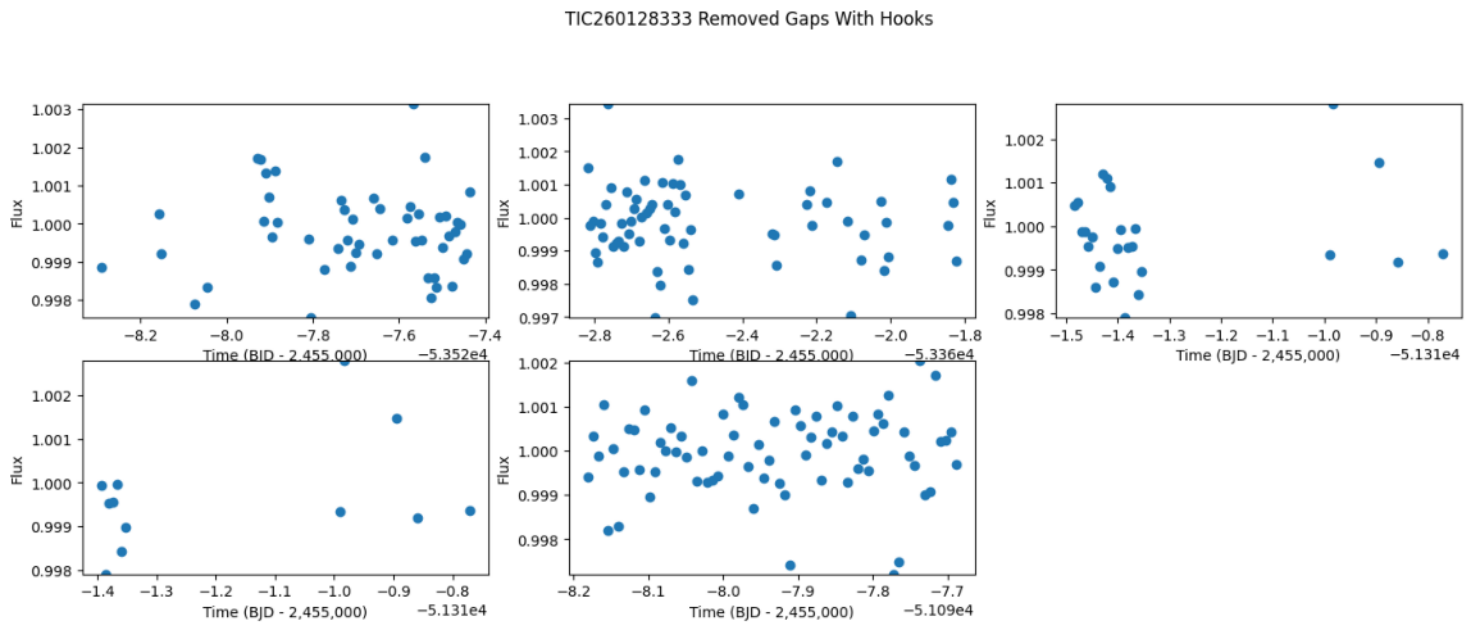


Figure: TIC260128333_TutorialTOI1338Parallel_hookJumps.png

TIC260128333 Removed Jumps In The Data

Figure: TIC260128333_TutorialTOI1338Parallel_potentialLedges.png

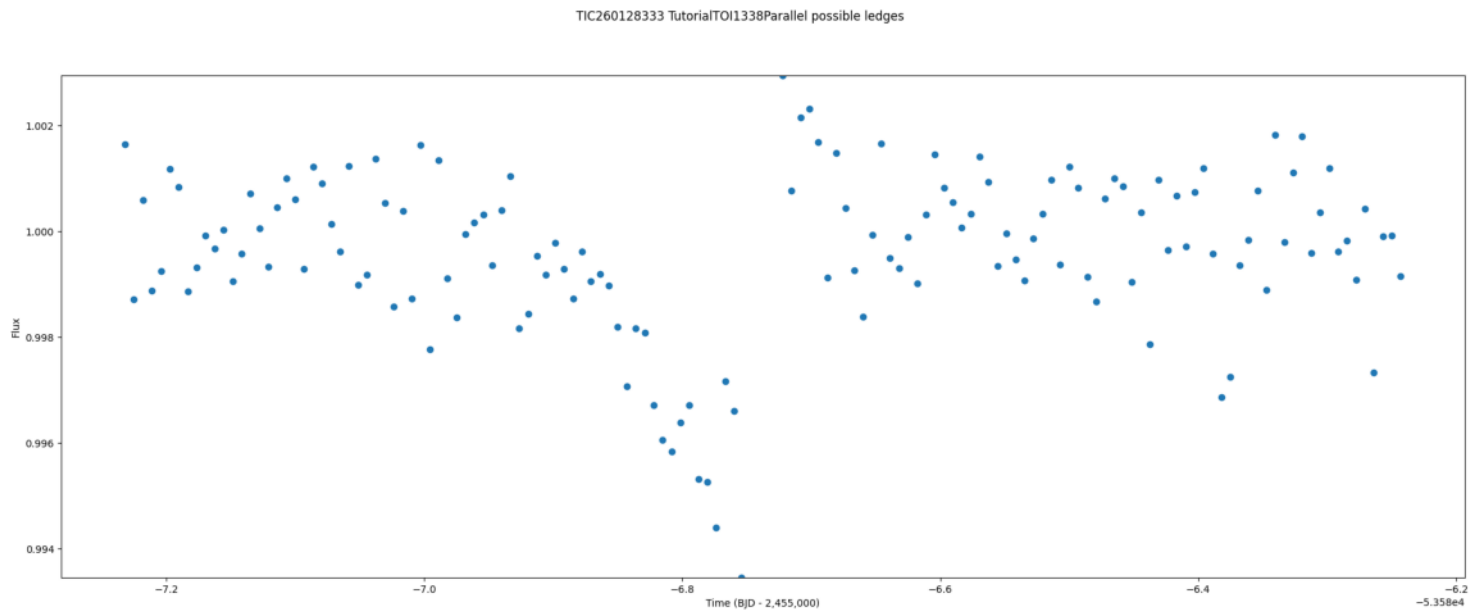


Figure: TIC_260128333_phase_folded_eclipses_removed.png

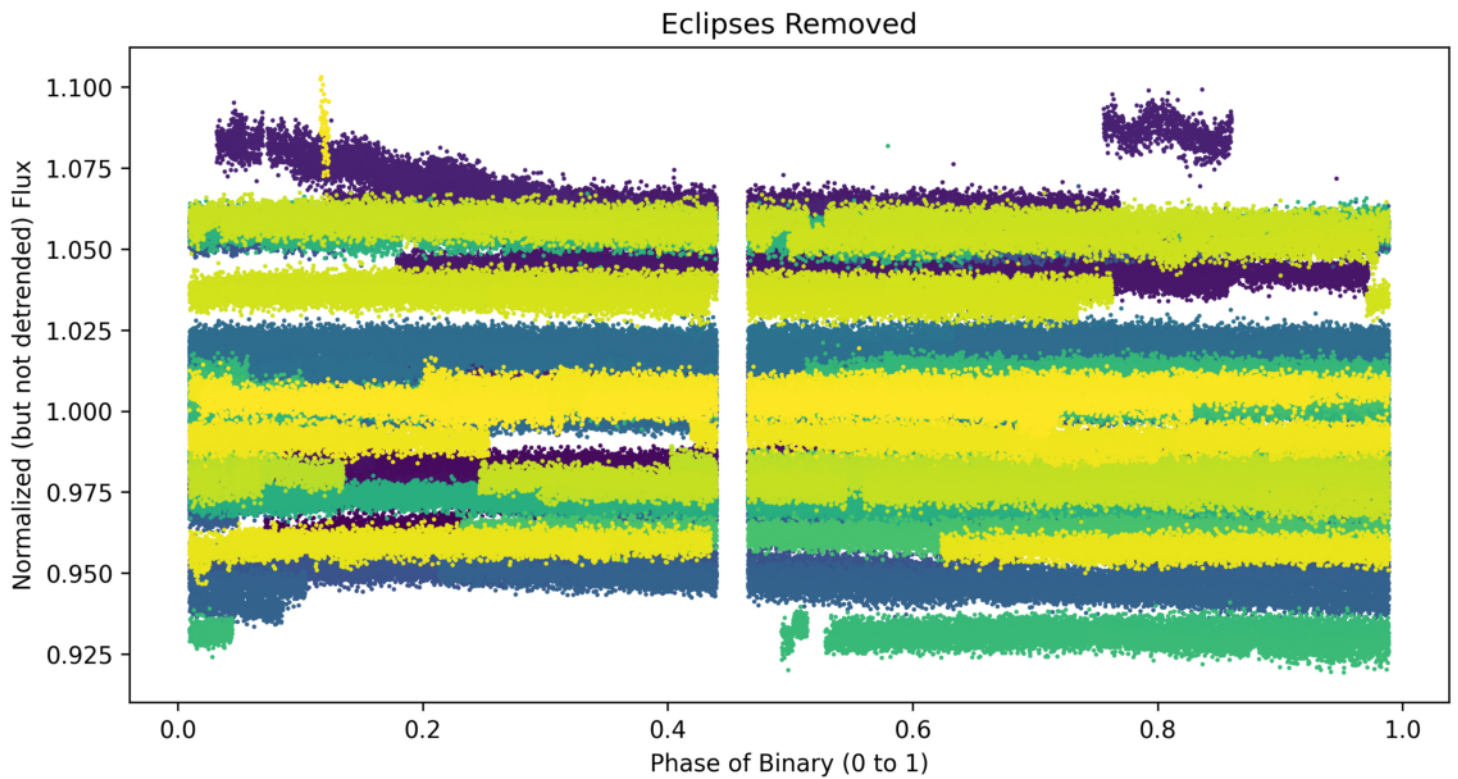


Figure: TIC_260128333_phase_folded_original_data.png

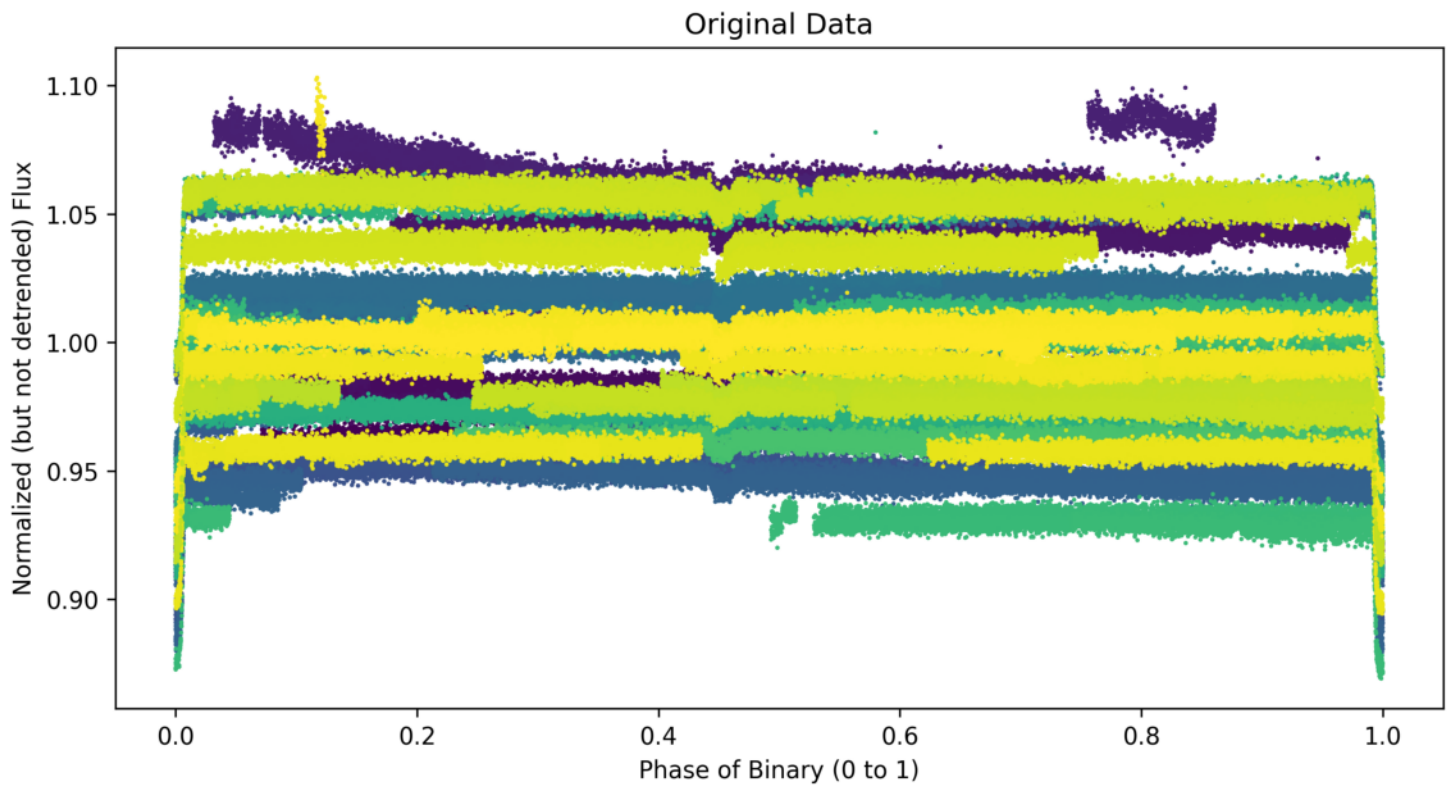


Figure: TIC_260128333_TutorialTOI1338Parallel_detrendingStages.png

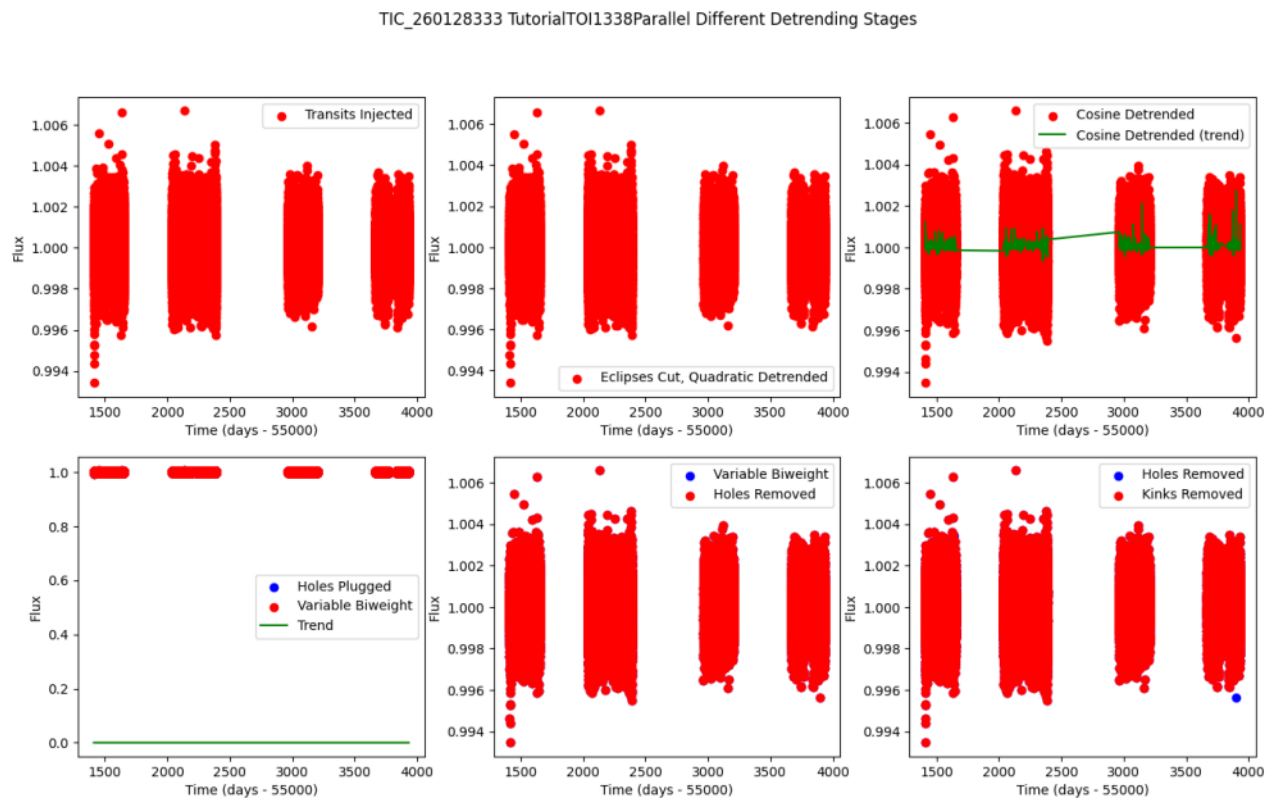


Figure: TIC_260128333_TutorialTOI1338Parallel_periodograms.png

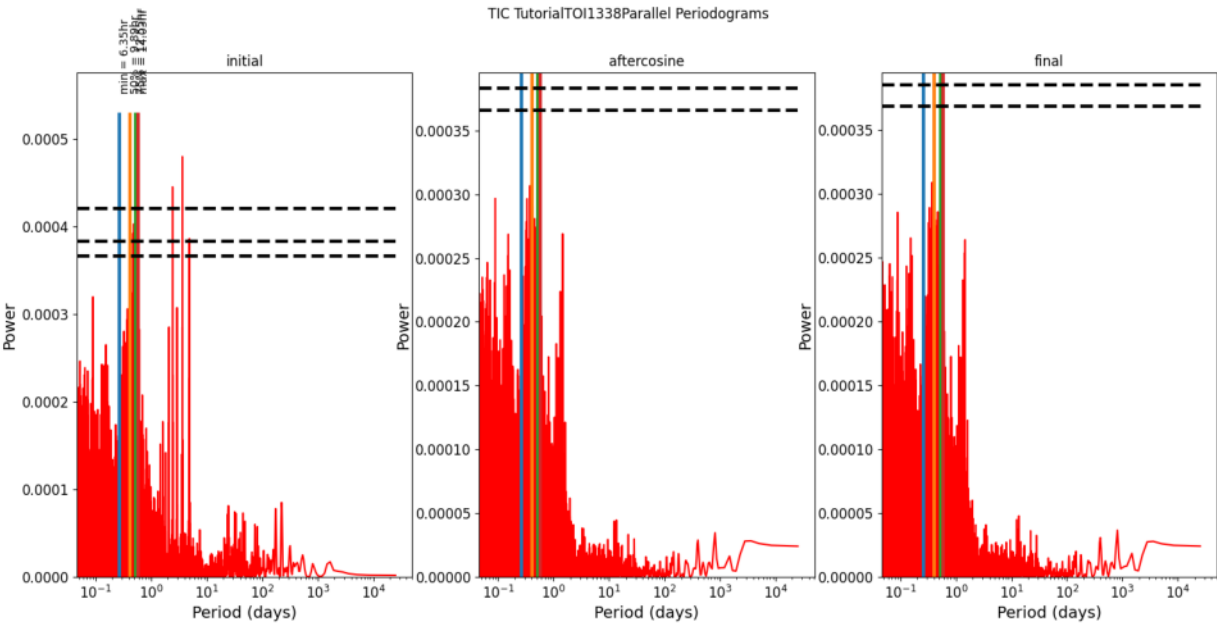
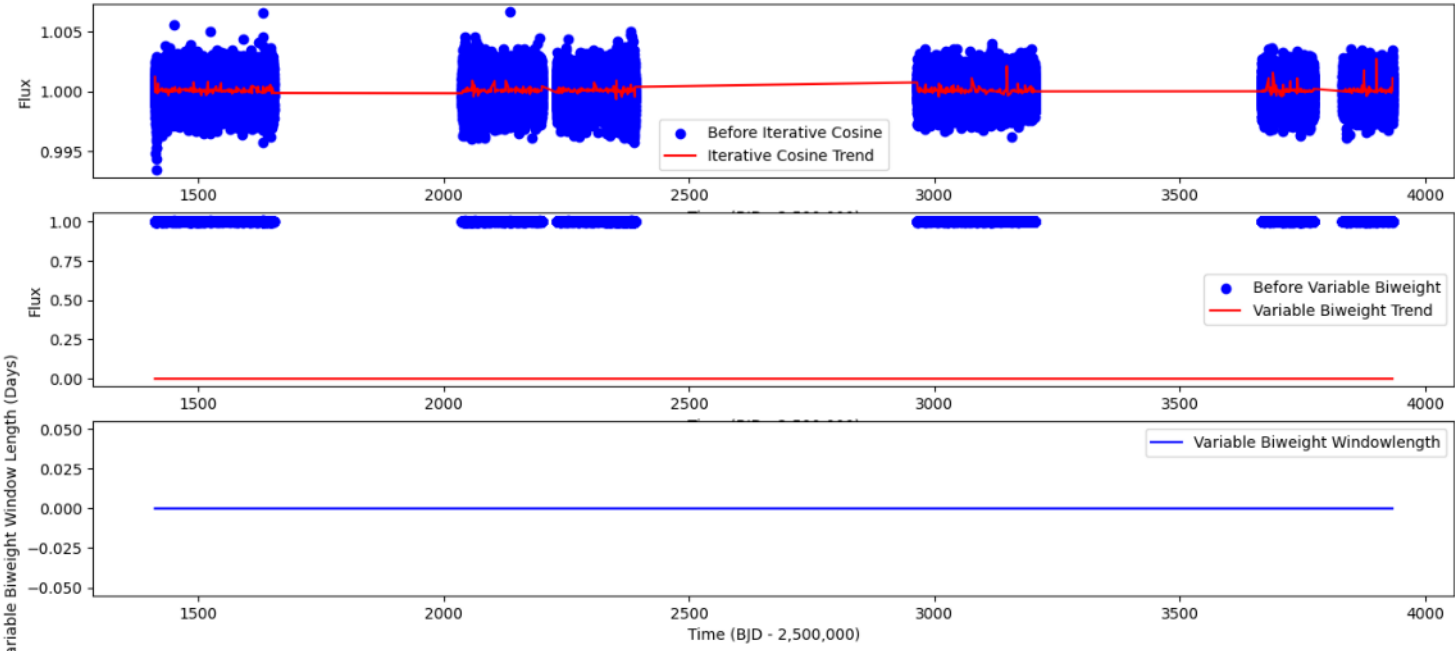


Figure: TIC_260128333_TutorialTOI1338Parallel_trends.png



Binary Starting Parameters

Binary Starting Parameters (CSV)

```
{  
  "mA (mSun)": "1.2",  
  "mB (mSun)": "0.325",  
  "RA (RSun)": "1.25",  
  "RB (RSun)": "0.3134562733739666",  
  "bjd0 (Days - 2550000)": "-53414.833326",  
  "theta (deg)": "125.19447335031276",  
  "Pbin (days)": "14.608635335577416",  
  "ecc": "0.15552199999999999",  
  "omega (deg)": "117.77090183134572"  
}
```

Source file

LightCurves\Processed\TutorialTOI1338Parallel\TIC_260128333_TutorialTOI1338Parallel_binaryStartingParams.csv