KIC10979716 — Detrending Diagnostic

Dataset

Kepler (KIC)

System

KIC10979716

Figure: KIC10979716_TutorialKeplerInjection10979716_deepestPoints.png
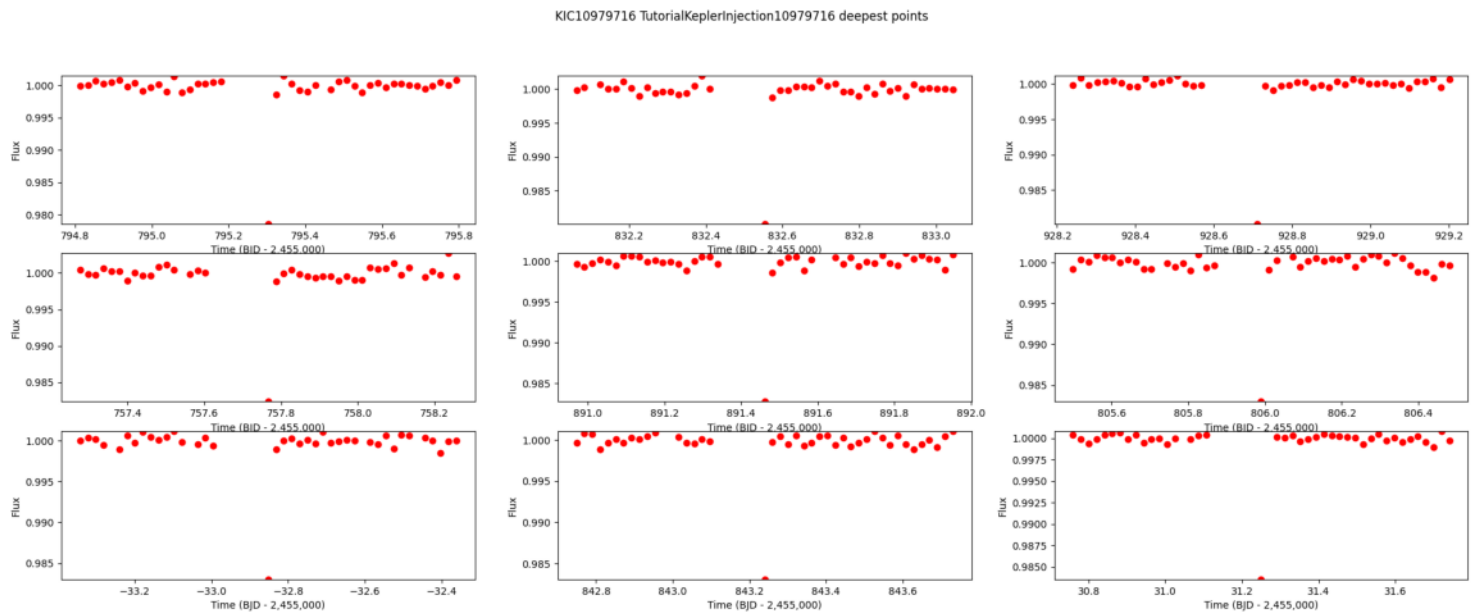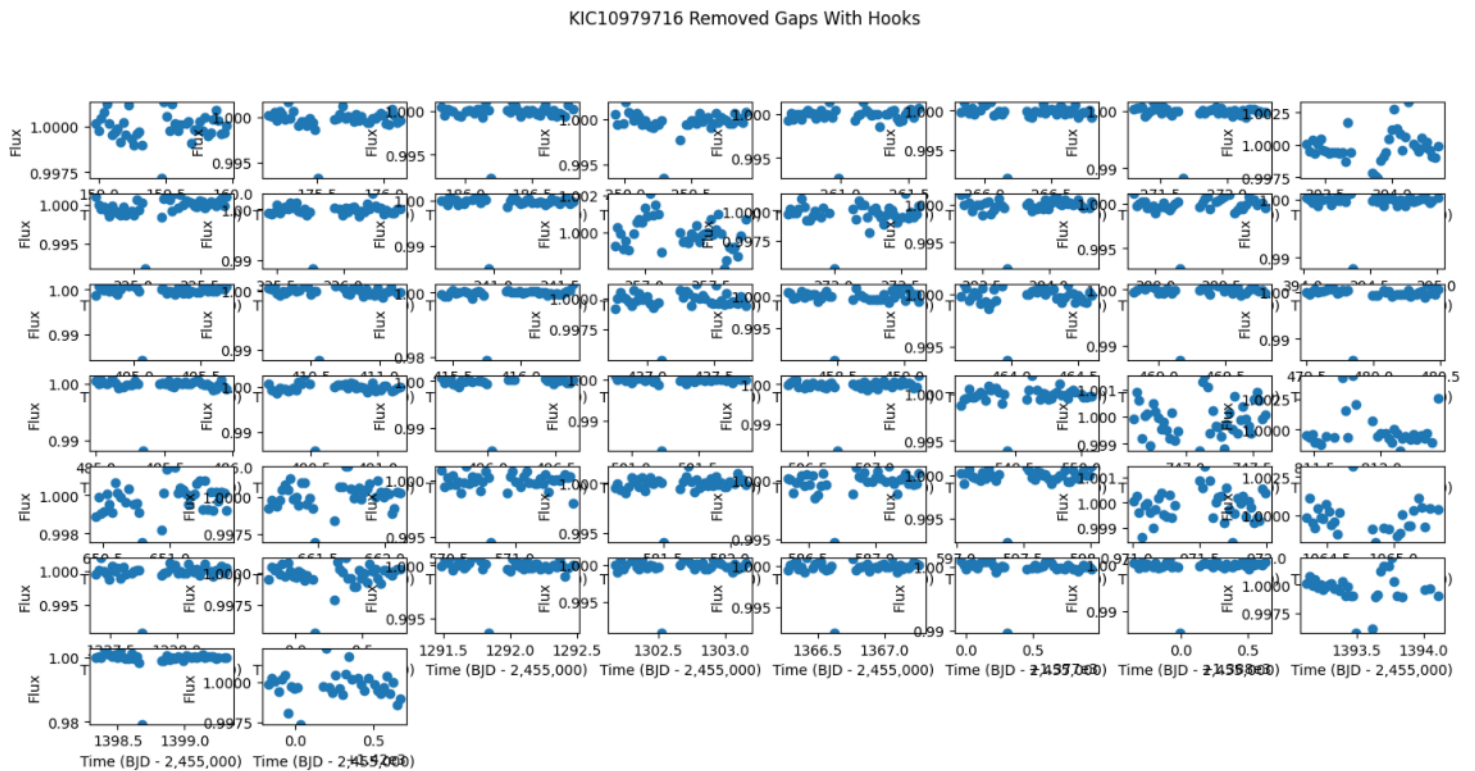

KIC10979716 TutorialKeplerInjection10979716 deepest points

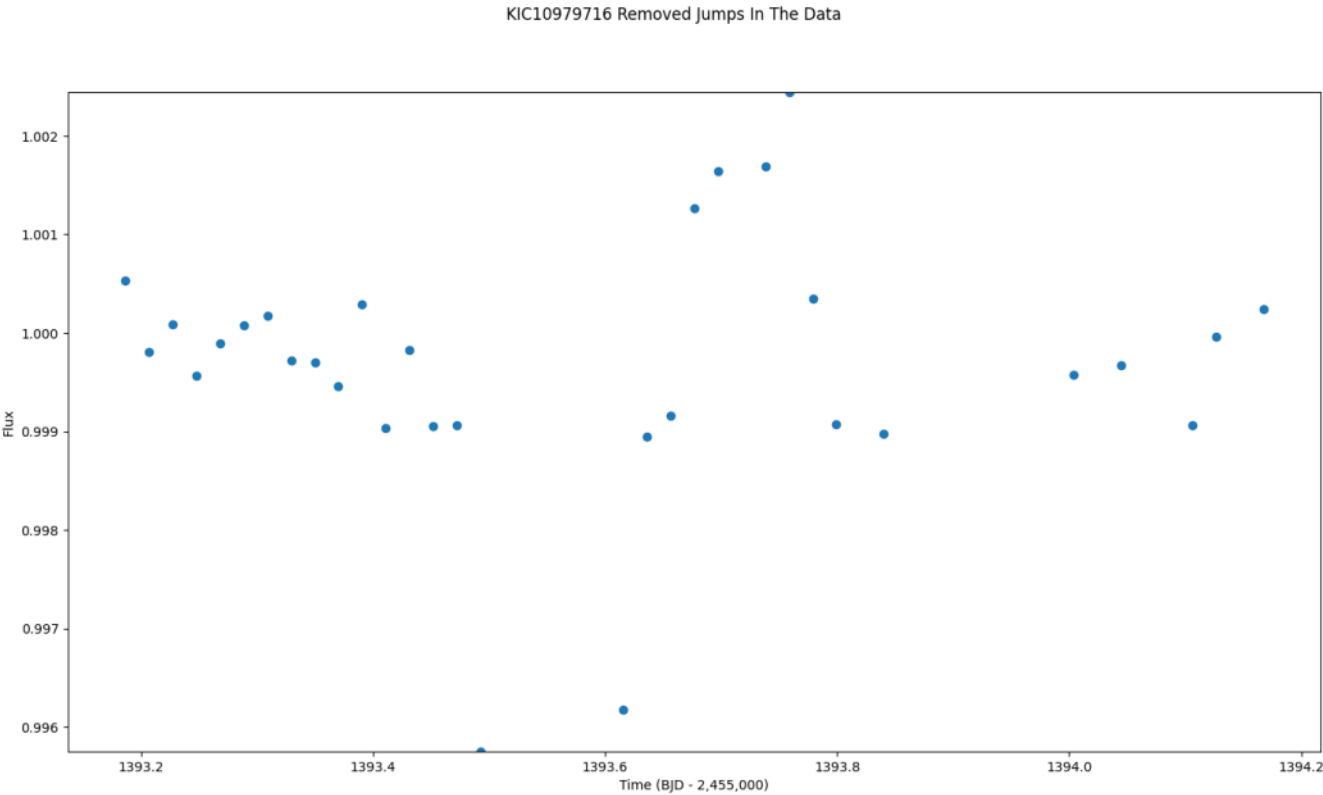# Figure: KIC10979716_TutorialKeplerInjection10979716_hookGaps.png

KIC10979716 Removed Gaps With Hooks

Figure: KIC10979716_TutorialKeplerInjection10979716_hookJumps.png

KIC10979716 Removed Jumps In The Data

Figure: KIC10979716_TutorialKeplerInjection10979716_potentialLedges.png

KIC10979716 TutorialKeplerInjection10979716 possible ledges

Figure: KIC_10979716_phase_folded_eclipses_removed.png

Eclipses Removed

Figure: KIC_10979716_phase_folded_original_data.png

Original Data

Figure: KIC_10979716_TutorialKeplerInjection10979716_detrendingStages.png

KIC_10979716 TutorialKeplerInjection10979716 Different Detrending Stages

Figure: KIC_10979716_TutorialKeplerInjection10979716_periodograms.png

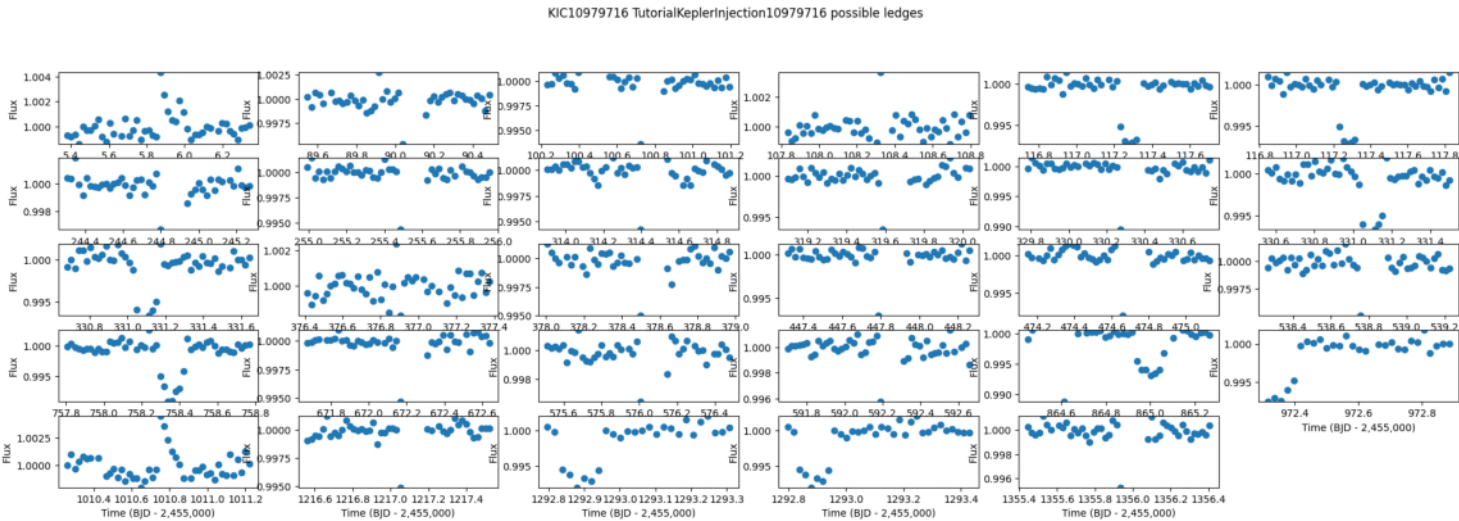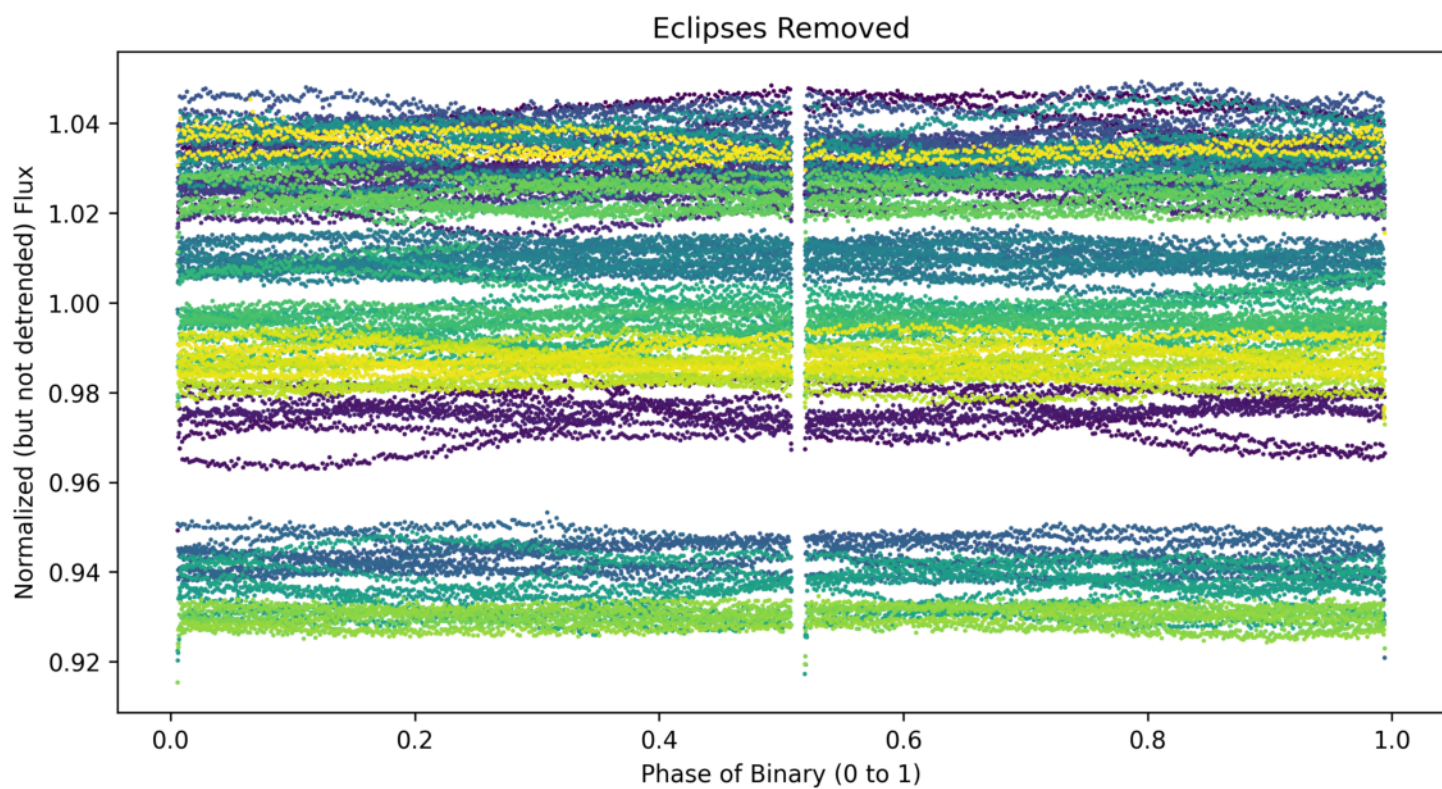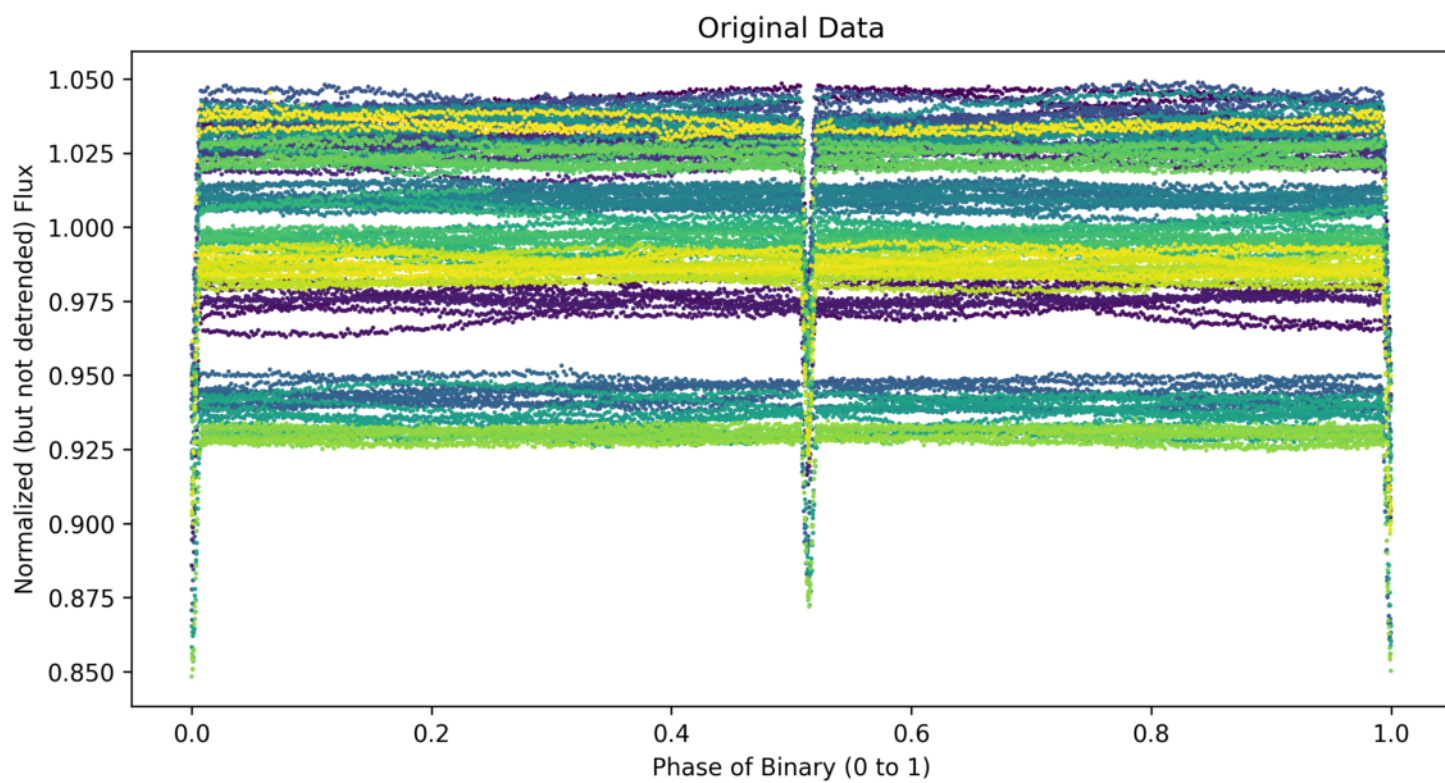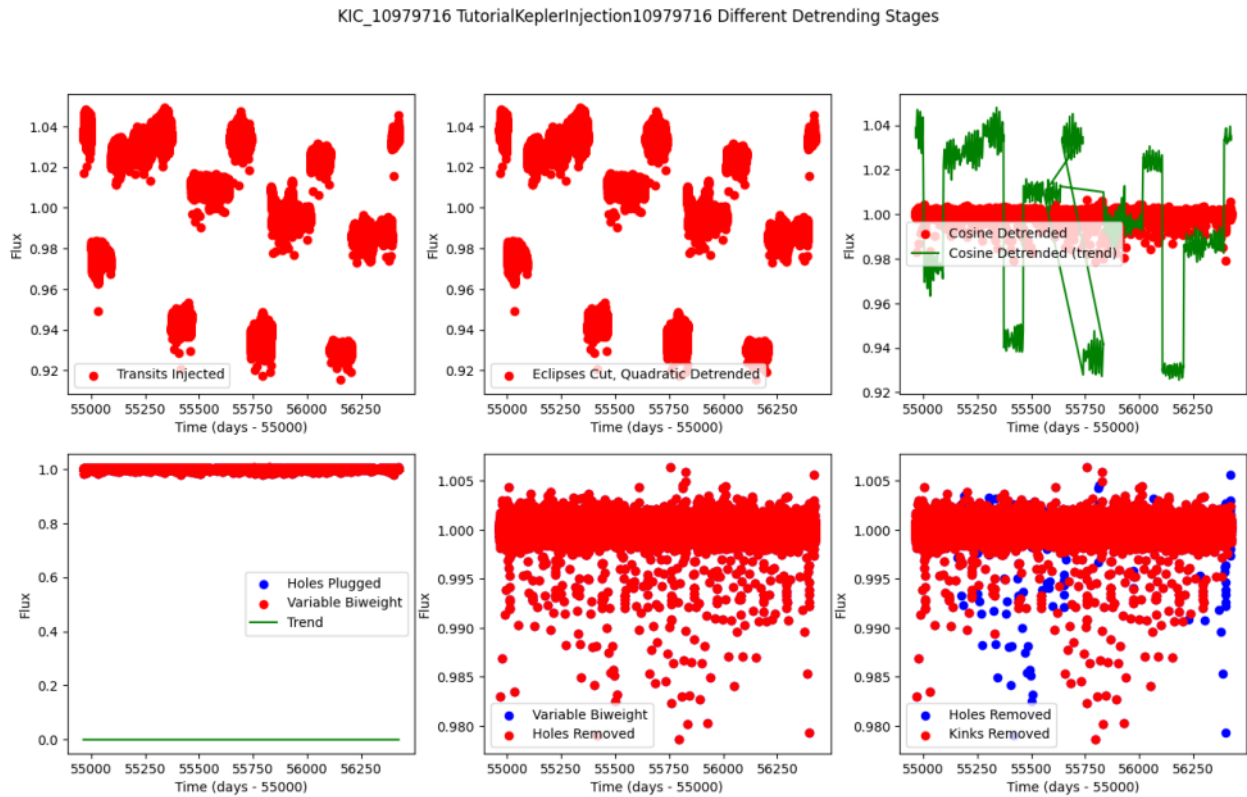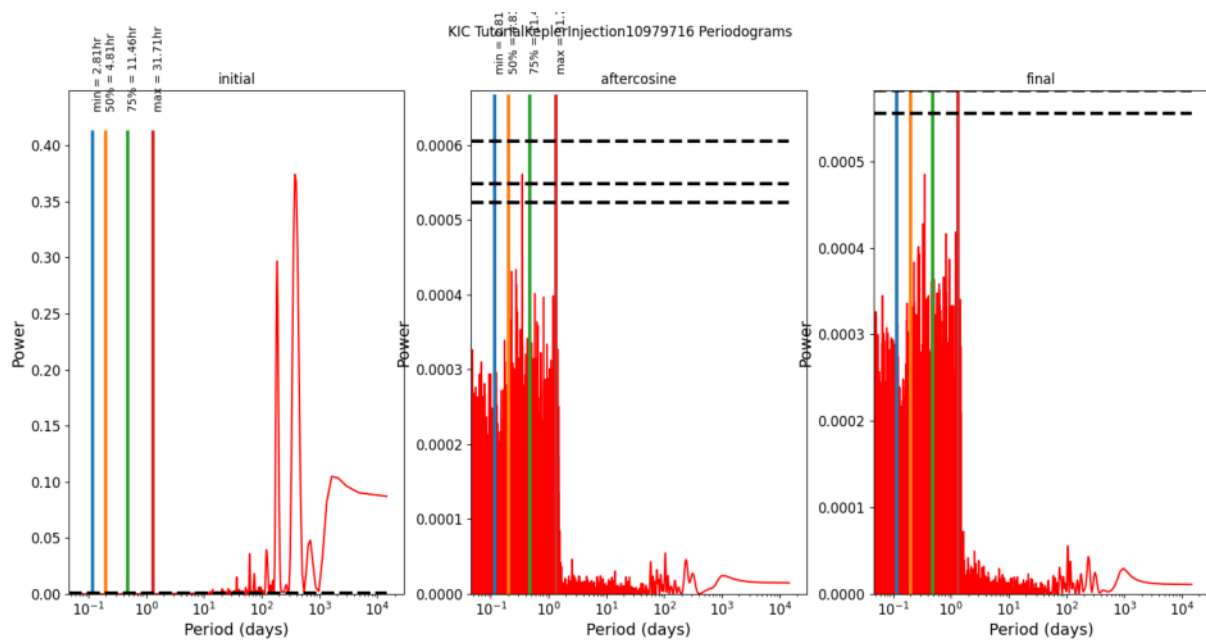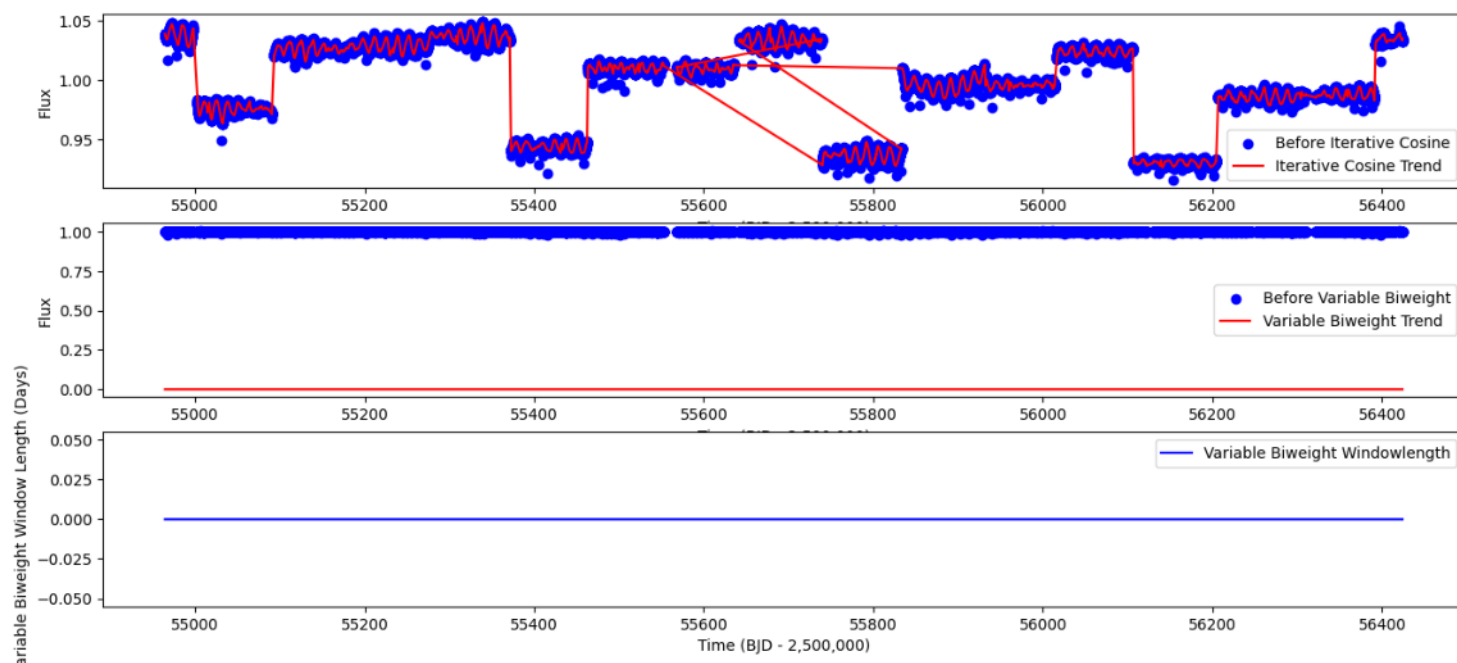Figure: KIC_10979716_TutorialKeplerInjection10979716_trends.png

Binary Starting Parameters

Binary Starting Parameters (CSV)

{

  "mA (mSun)": "0.6904611821",

  "mB (mSun)": "0.5441387705",

  "RA (RSun)": "0.6829324536",

  "RB (RSun)": "0.5952657665",

  "bjd0 (Days - 2550000)": "-32.91774099999748",

  "theta (deg)": "5.059472090237313",

  "Pbin (days)": "10.684056399999982",

  "ecc": "0.041859727312361136",

  "omega (deg)": "301.4396940854093"

}

Source file

LightCurves\Processed\TutorialKeplerInjection10979716\KIC_10979716_TutorialKeplerInjection10979716_binaryStart