Pandora Data Processing Center NIRDA PSF Requirements Test Report

Package Versions:

- pandora requirements: 0.1.1

- pandorapsf: 0.5.0

pandorasat: 0.8.3astropy: 5.3.4

Detector Characteristics:

zodiacal_background_rate: 4.0 electron / (pix s)

stray_light_rate: 2.0 electron / (pix s)

thermal background rate: 10.0 electron / (pix s)

dark rate: 1.0 electron / (pix s)

read noise: 12.727922061357855 electron / pix

Test Requriements:

- Target Test | band Magnitude: 9.0

- Target Test T_{eff}: 3500.0 K

- Required Number of Integrations: 900

- Required SNR: 6000.0

- Required Wavelength: 1.3 micron micron

- Required R: 30.0

Additional Information:

- This document contains test results for a target star on the NIRDA.
 - Generated using automated tests and visualizations.
 - This test uses CBE for all Pandora parameters
 - This test assumes no jitter motion between frames.













