# Pandora Data Processing Center NIRDA PSF Requirements Test Report

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## Package Versions:

- pandora\_requirements: 0.1.1

pandorapsf: 0.5.0pandorasat: 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 j band Magnitude: 9.0

- Target Test T<sub>eff</sub>: 3500.0 K

- Required Number of Integrations: 900

- Required SNR: 6000.0

- Required Wavelength: 1.3 micron  $\mu$ m

- 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.











