

PDS70 Notes

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ABSTRACT

1. INFORMATION FROM LITERATURES

Results from [Keppler et al. \(2018\)](#); [Wagner et al. \(2018\)](#) are in Tabletab:PDS70

2. TINYTIM PSF FITTING RESULTS

TinyTim PSFs were fit to two HST/UVIS f1t frames. The aim was to measure the centroid position and brightness of PDS70A. The residuals for the best-fit subtraction results are shown in Figure 1. The best-fit parameters are in Table 2

REFERENCES

Table 1. Planetary-mass Information Summary

Name	Value
J Phot	9.55 ± 0.024 mag
Distance	113.43 ± 0.52 pc
Separation	0.195 mas
PA	155°
H- α contrast	10^{-3}

Table 2. TinyTim fitting results

XC1	YC1	flux1	XC2	YC2	flux2
pixel	pixel	e ⁻ /s	pixel	pixel	e ⁻ /s
454.60	489.40	715848.9	457.23	491.90	687965.953

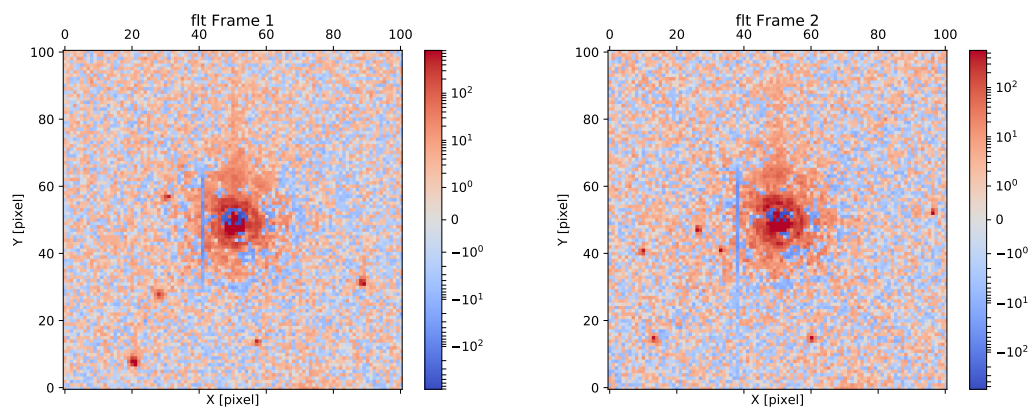


Figure 1. TinyTim PSF subtraction residuals

Keppler, M., Benisty, M., Müller, A., et al.
2018, *A&A*, 617, A44

Wagner, K., Follete, K. B., Close, L. M., et al.
2018, *ApJ*, 863, L8