

ERRATUM: “A RESOLVED DEBRIS DISK AROUND THE G2 V STAR HD 107146” (ApJ, 617, L147 [2004])

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Due to a typo in the code used to calculate the optical depth, this quantity is incorrect in the original Letter. The error makes the scale of the optical depth too small by a factor of  $1600/4\pi = 127.324$ . This affects Figure 1 (*bottom panels*) and Figure 3 (*top panel*). The shape of the optical depth and the color of the disk remain the same. The Letter’s conclusions remain the same. The correct figures are included below.

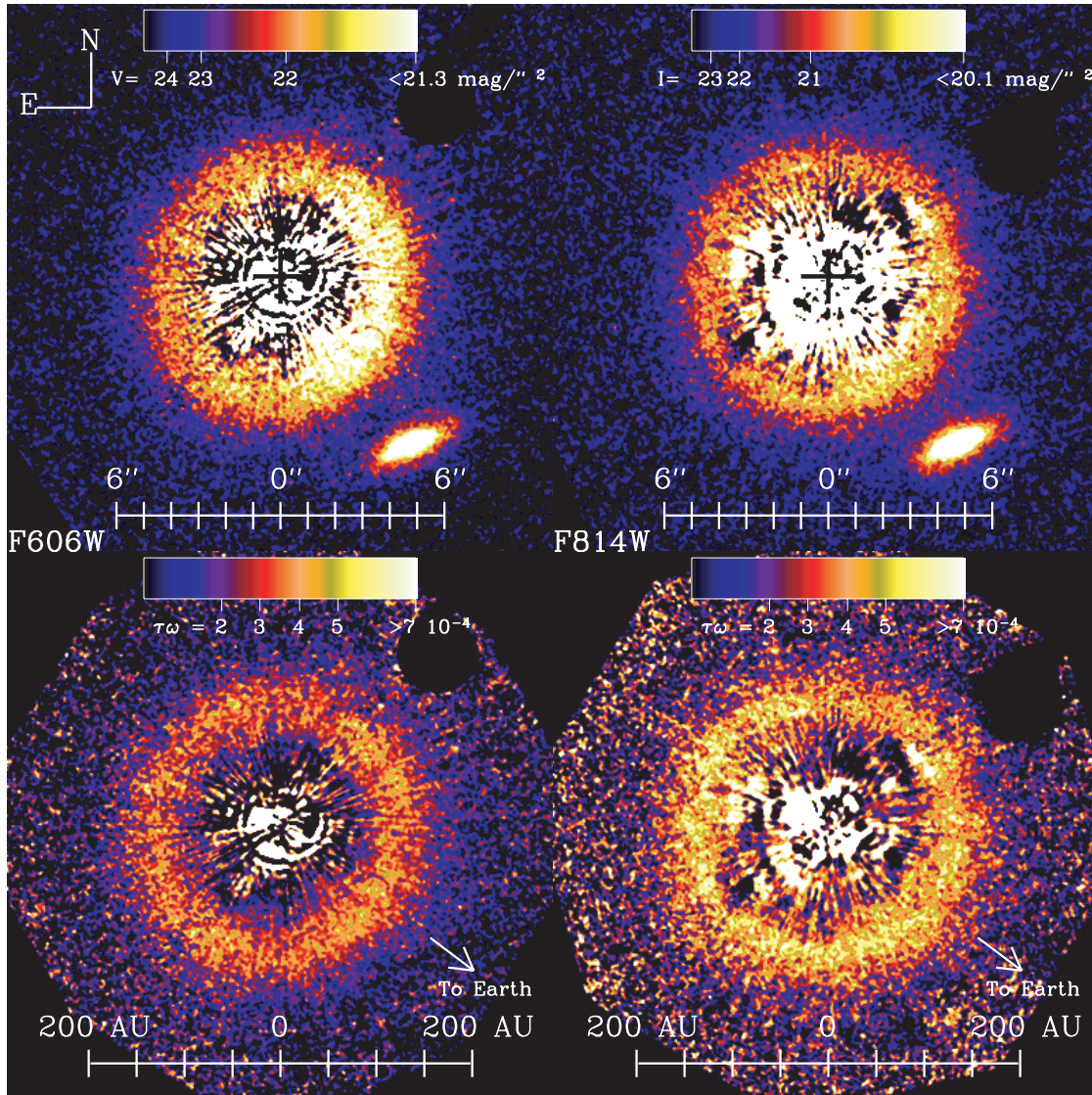


FIG. 1.—Disk around the G2 V star HD 107146. *Top left:* F606W filter (broad V); *top right:* F814W filter (broad I). To obtain these images, a reference PSF (HD 120066) was normalized to, aligned with, and subtracted from the coronagraphic images of HD 107146. The 3'0 spot in the upper right-hand corner has been masked out. *Bottom:* Maps of the scattering optical depth  $\tau\omega$  (the product of the total optical depth times the albedo), obtained by deprojecting the disk (assuming an inclination of 25° from face-on), multiplying by the distance squared from the stellar position, correcting for forward scattering, and dividing by the stellar flux. *Bottom left:* F606W filter; *bottom right:* F814W filter. Note that the bottom row images have the same color scale but that the top row ones do not. FITS versions of these images are available in the original Letter in the electronic edition of the Journal.

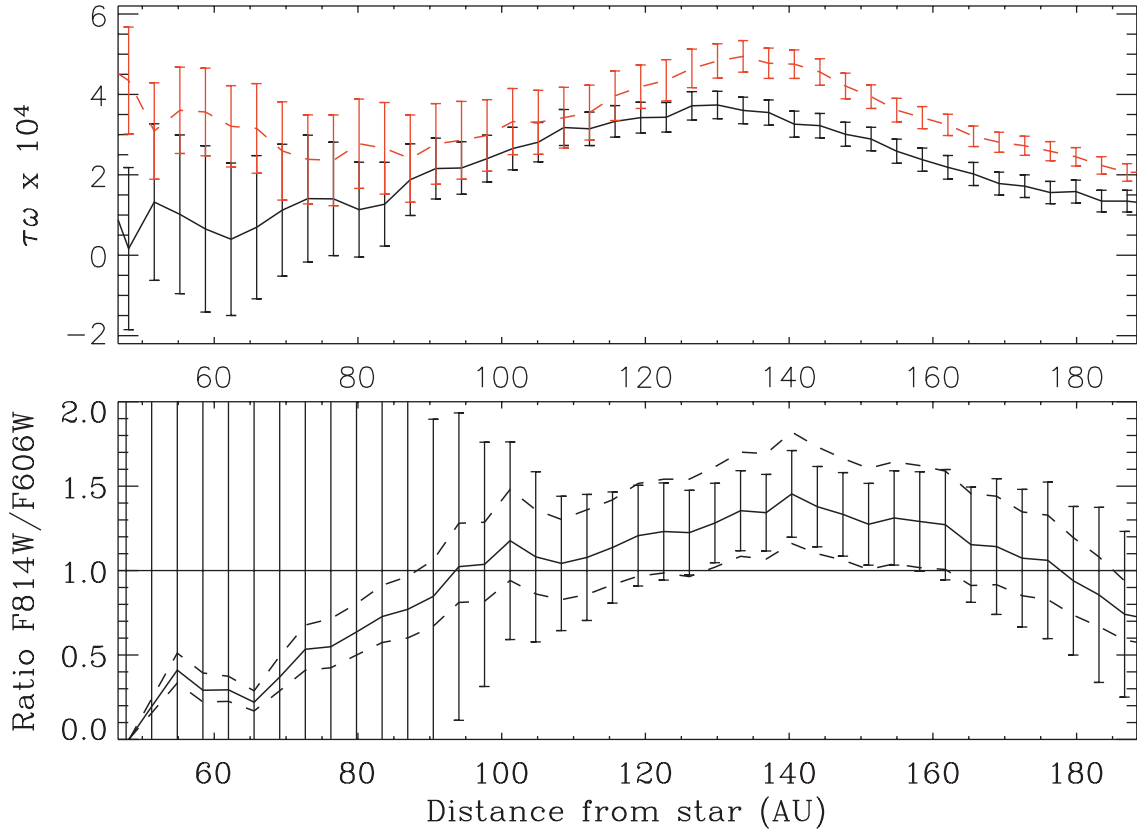


FIG. 3.—*Top*: Median  $\tau\omega$  as a function of distance from the star, obtained in a series of annuli  $0''.14$  wide, measured from the bottom panels of Fig. 1. The solid line is the F606W observation ( $g_{\text{F606W}} = 0.3 \pm 0.1$ ). The red-dashed line is the F814W observation ( $g_{\text{F814W}} = 0.2 \pm 0.1$ ). The error bars indicate the range of values obtained if the standard PSF is oversubtracted or undersubtracted by 1%. *Bottom*: Ratio of  $(\tau\omega)_{\text{F814W}}$  to  $(\tau\omega)_{\text{F606W}}$ , as a function of distance from the star. As above, the error bars show the dependence on errors in the normalization. The dashed lines indicate the dependence of the ratio on the value of  $g$ : the top dotted line is obtained assuming  $g_{\text{F606W}} = 0.2$  and  $g_{\text{F814W}} = 0.3$ , and the bottom one is obtained assuming  $g_{\text{F606W}} = 0.4$  and  $g_{\text{F814W}} = 0.1$ . These choices produce extremal ratios.