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2.4. Out-of-focus measurements with TRoPIC

TRoPIC has been also used to record the defocused images of the reflected beam under diverging illumination. A defocused image provides insight on which part of the optical surface can be responsible for the focus broadening. It can also be used to retrieve independent information on the mirror shape error.

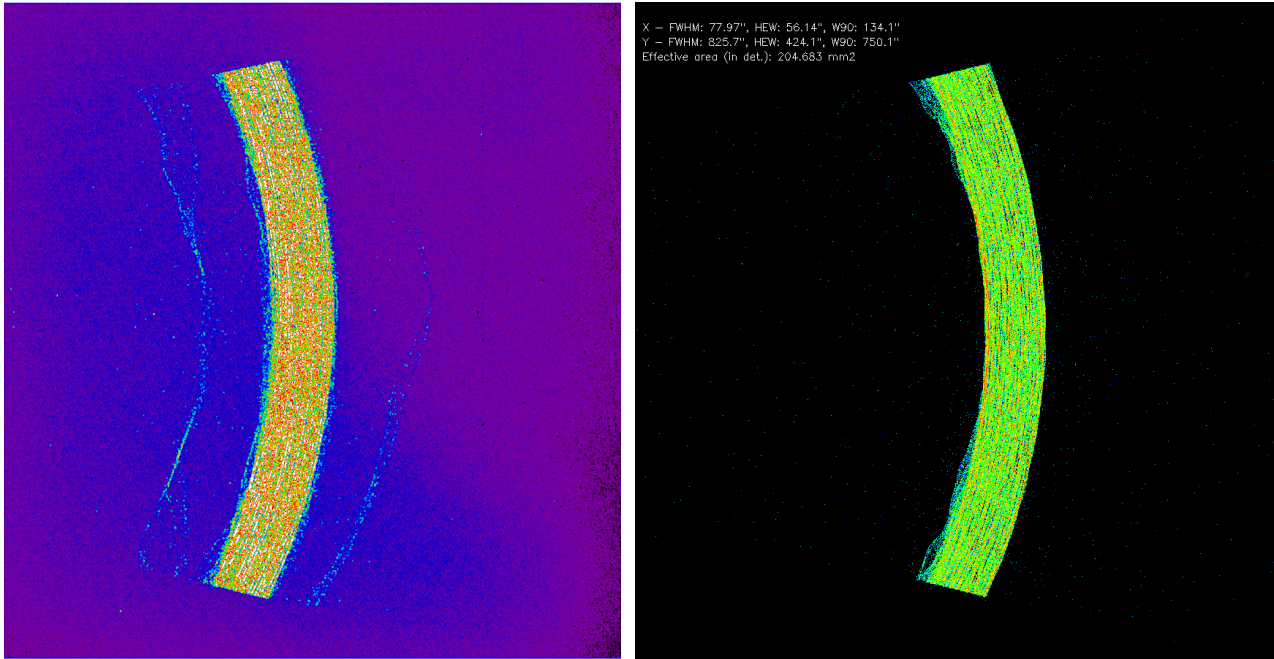


Figure 8: an out-of-focus image: -20 arcmin pitch angle and a +150 mm (extra-focal) distance from the best focus under diverging beam. Left: measured exposure. Right: simulated exposure.

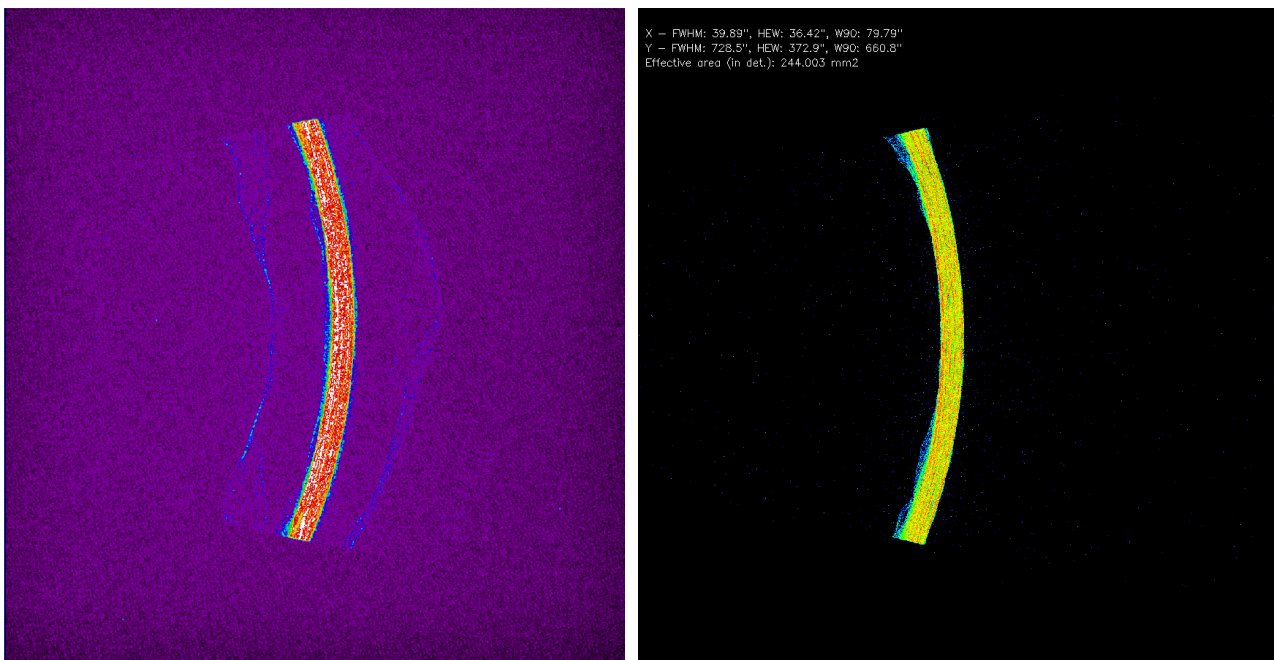


Figure 9: another out-of-focus image: -12 arcmin pitch angle and -384 mm (intrafocal) distance from the best focus under diverging beam. Left: measured exposure. Right: simulated exposure.