ΔH MAP (per pixel background) 2-Orientation Subtraction

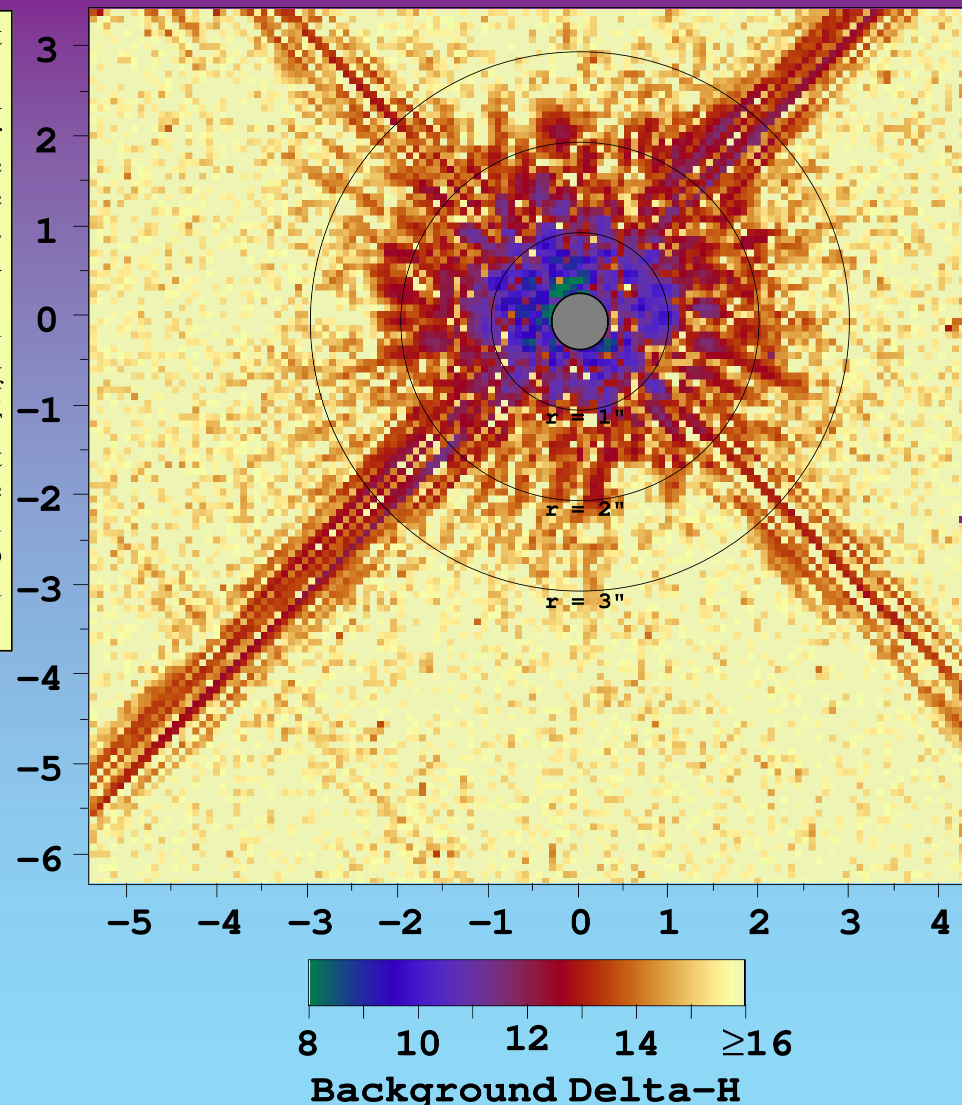
The first coronagraphic target observed in the GTO/EONS program exhibited backgrounds after roll-pair subtraction, within 3" of the hole center, which were elevated by as much as ~2 magnitudes per pixel based on our SMOV experience. This ΔH map shows the level of the per pixel background compared to the peak pixel of the occulted core of the PSF (as determined from target acquisition images). The increase in residual background is due to differential pointing errors in the target acquisition process.

GJ 1111

H = 7.63

M6.5V

$\pi''=0.275$



FILTER = F160W

<u>Sampling & Integration Time</u>

At Each Orientation:

STEP64,NSAMP=11 (192s)

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STEP64,NSAMP=12 (256s)

Total Integration = 21m20s

ACQUISITION ERRORS:

	X(SIAF)	Y(SIAF)
TARGET	+0.12	−0.12
	+0.04	0.00
HOLE	+0.45	+0.05
	+0.47	+0.16
TOTAL	−0.33	−0.17
	−0.22	−0.11
DIFF	−0.31	−0.06