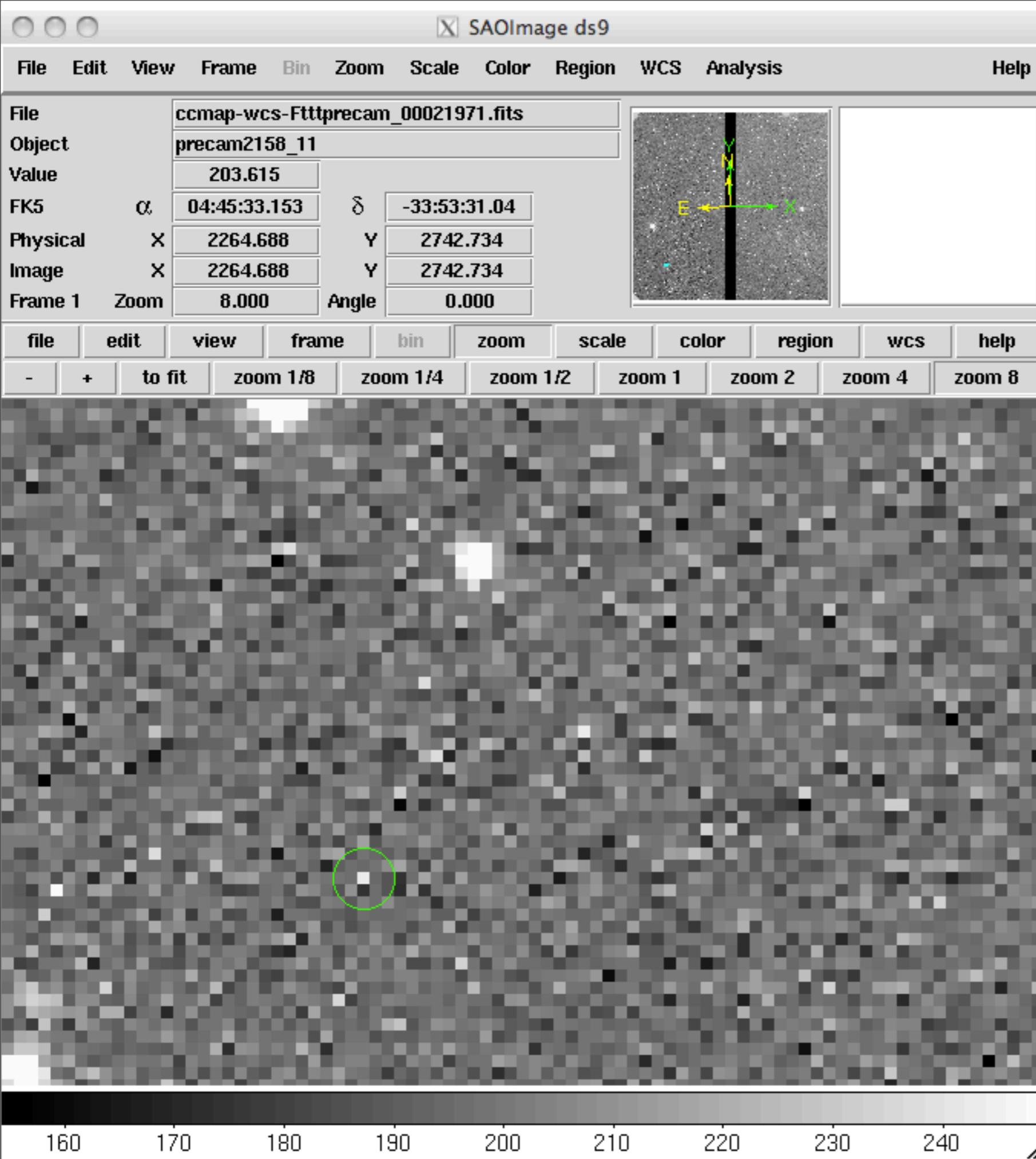


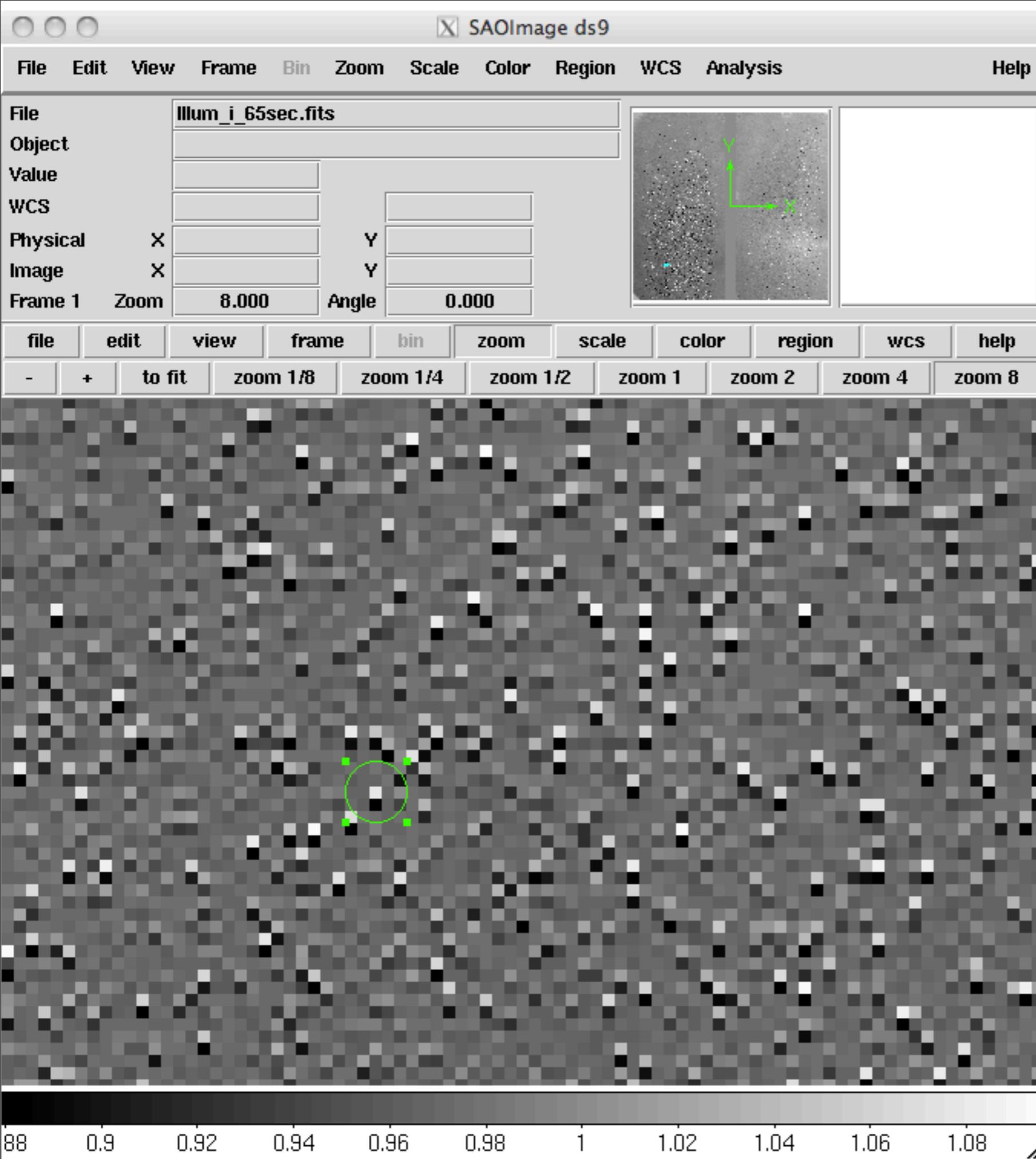
Dipoles:

Before, During, and After
Illumination Correction

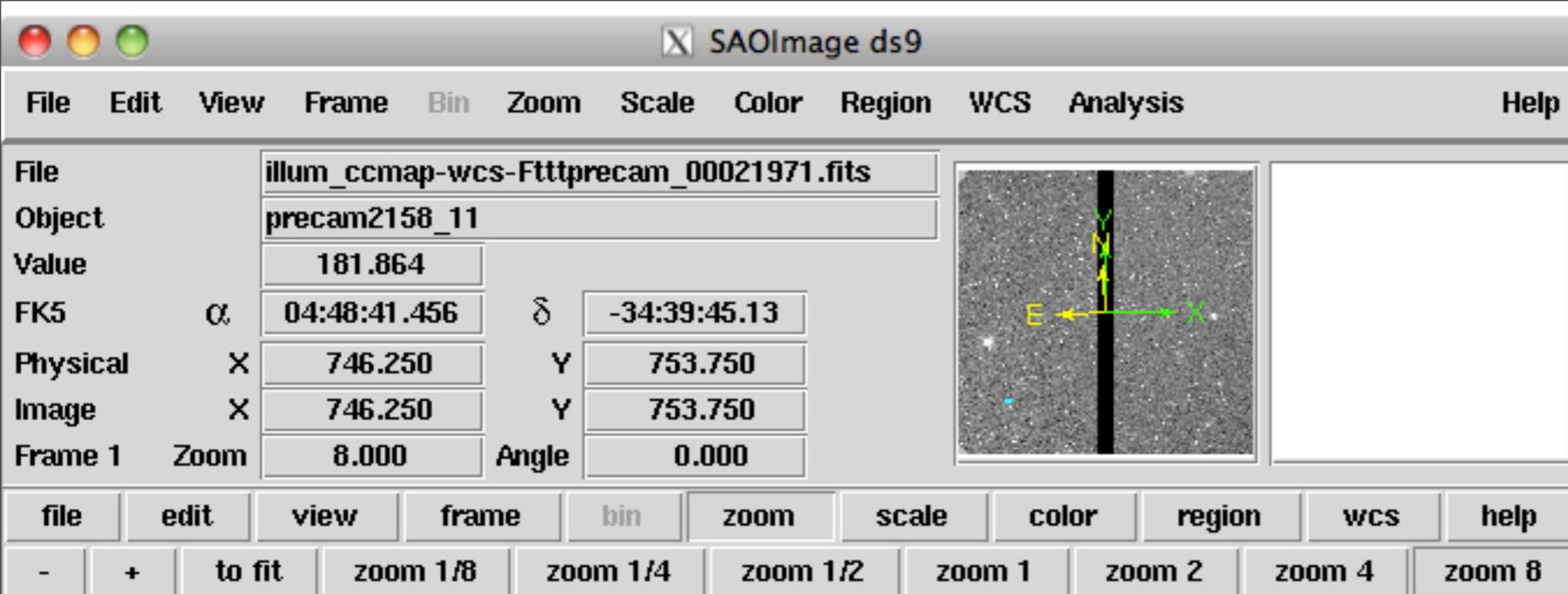
with 20110113, i band, v2 data
with dipoles in background and on stars



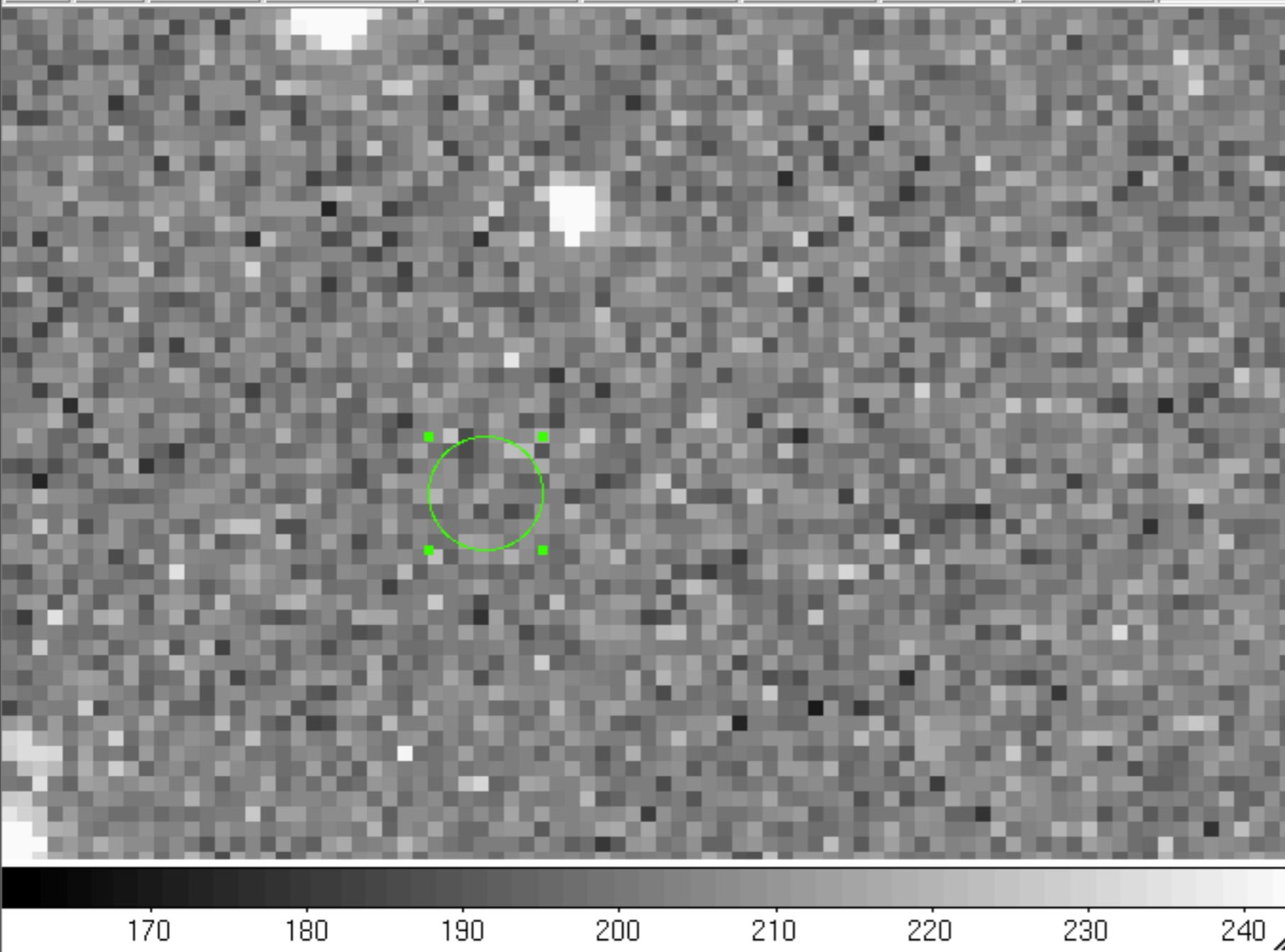
ccmap-*.fits
 Highlighted Dipole
 at x,y = 756, 740:
 Top = 242.3
 Bottom = 174.3
 +/- 34 from mean
 +/- 16% from mean



Illumination Map
same x,y
Top = 1.079
Bottom = 0.838



illum_ccmap-*.fits
 same x,y
 Top = 214.4
 Bottom = 188.9

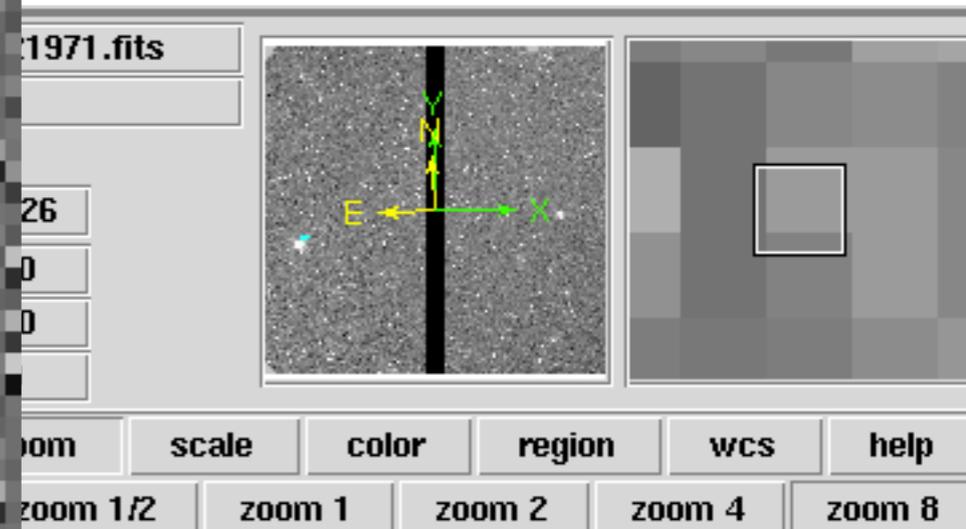
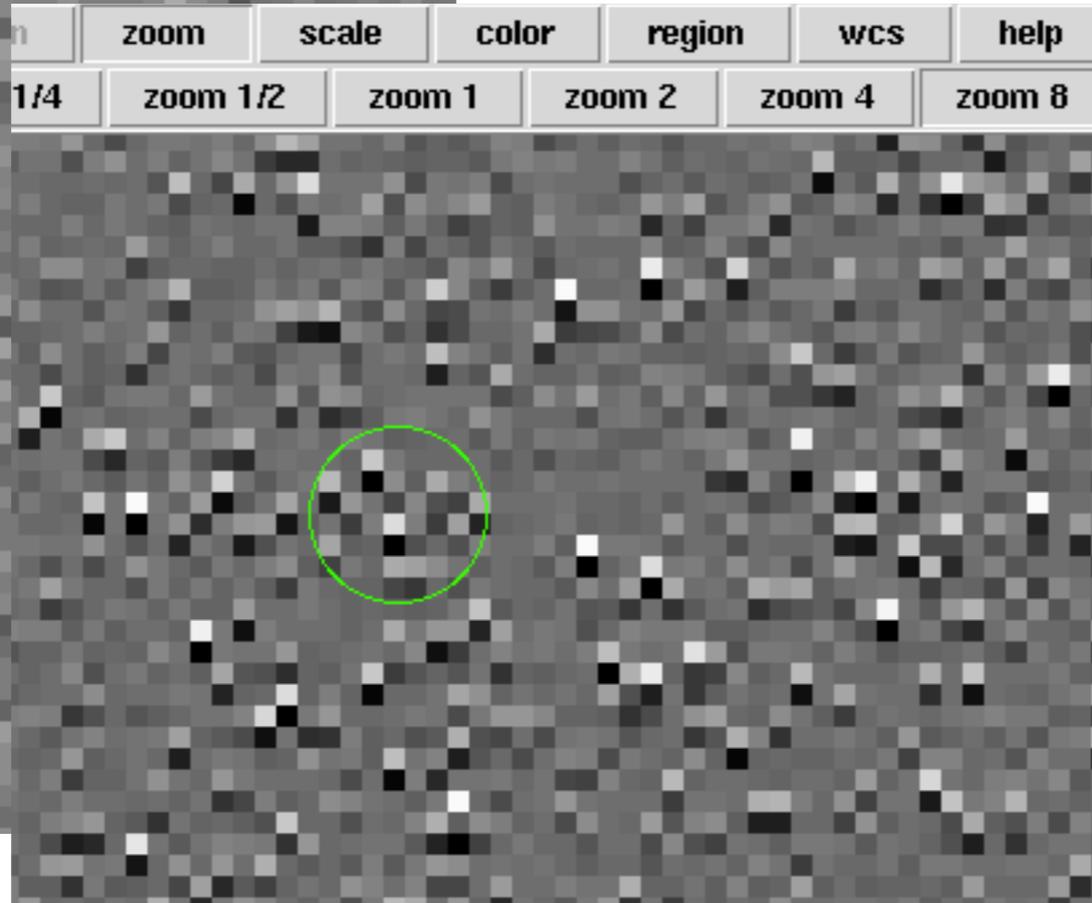
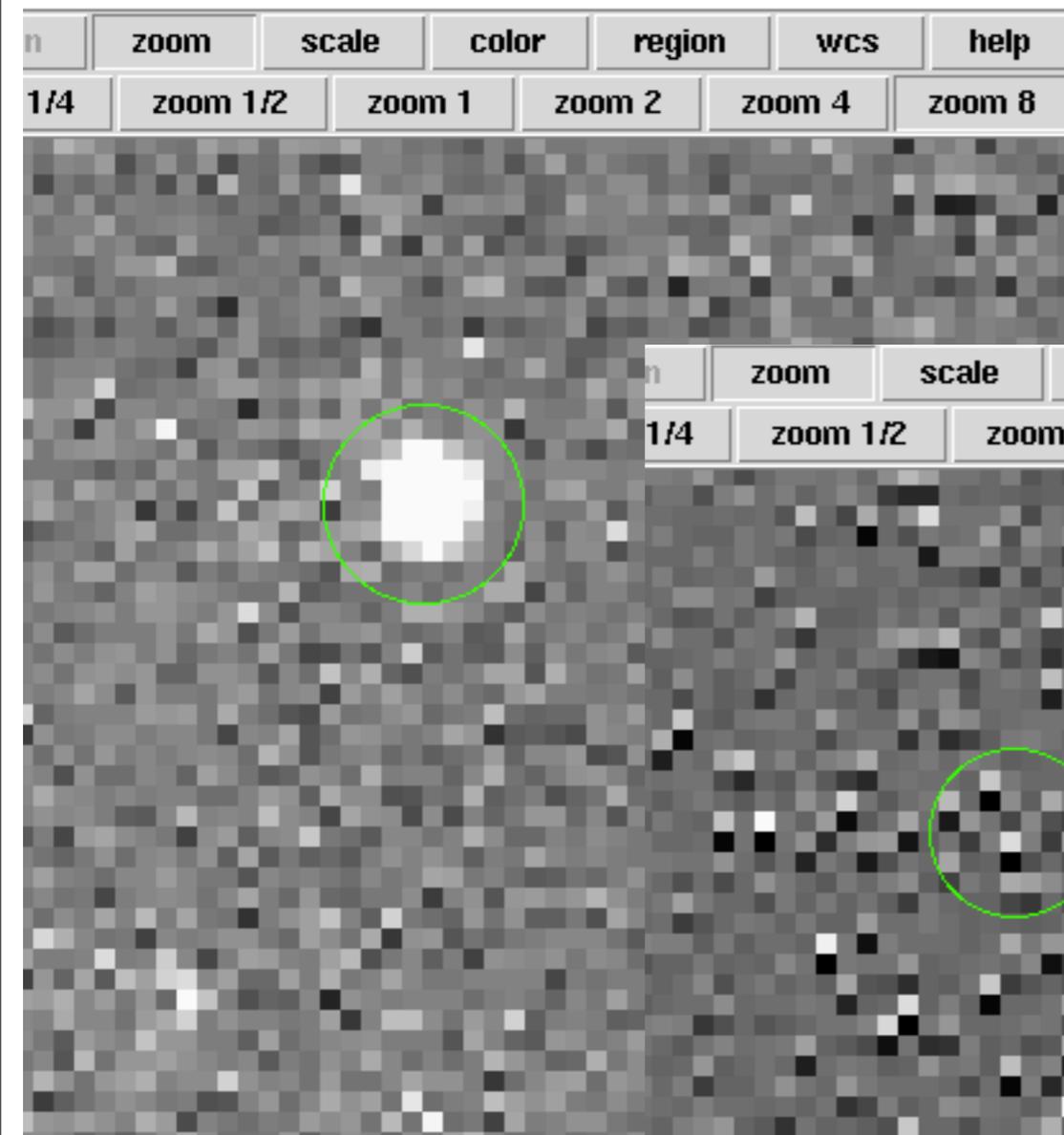


+/- 12.8 from mean
 +/- 6.3% from mean

from original mean:
 +6/-20
 +2.9%/-9.6%

Dipoles reduced to
 ~background levels!

Dipoles at $x,y = (542, 1689)$ and $(543, 1686)$ --
 above and below star center, so they have
 opposite effects on profile

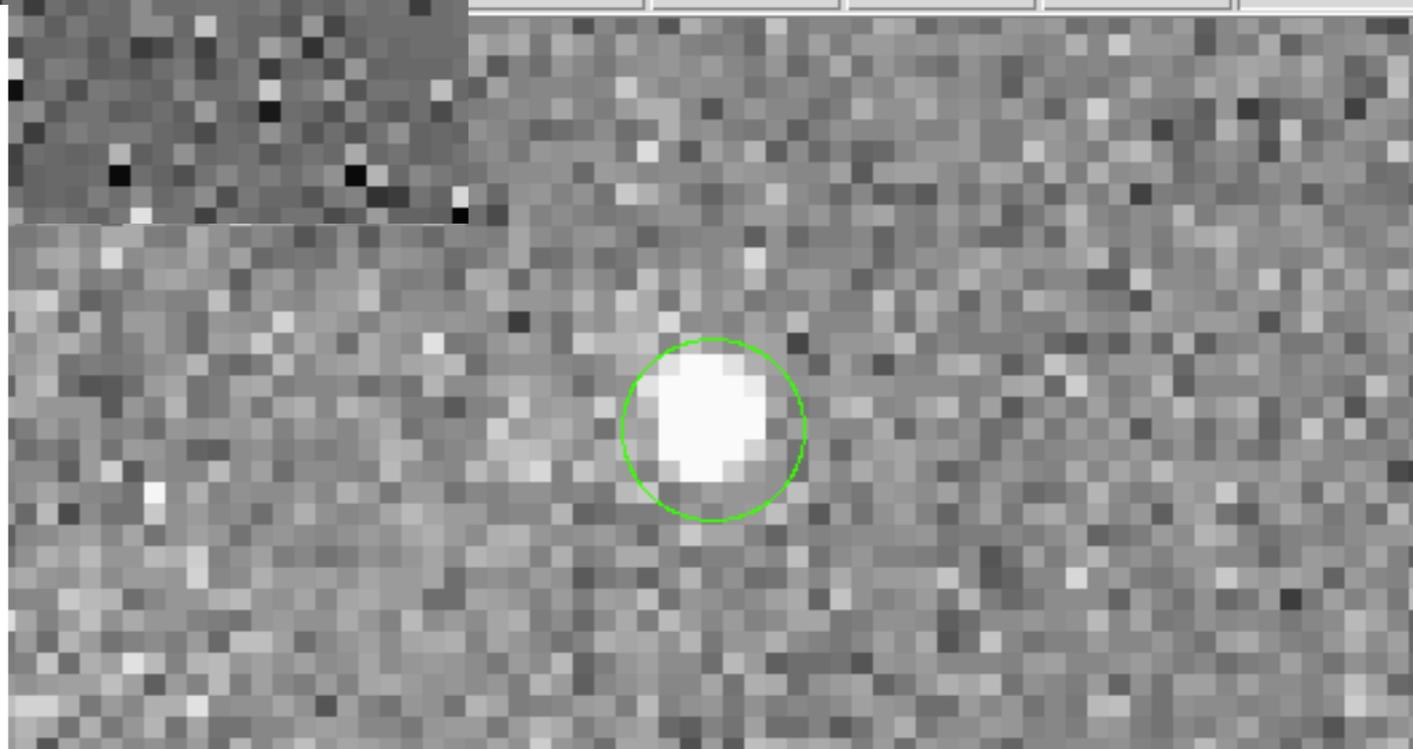


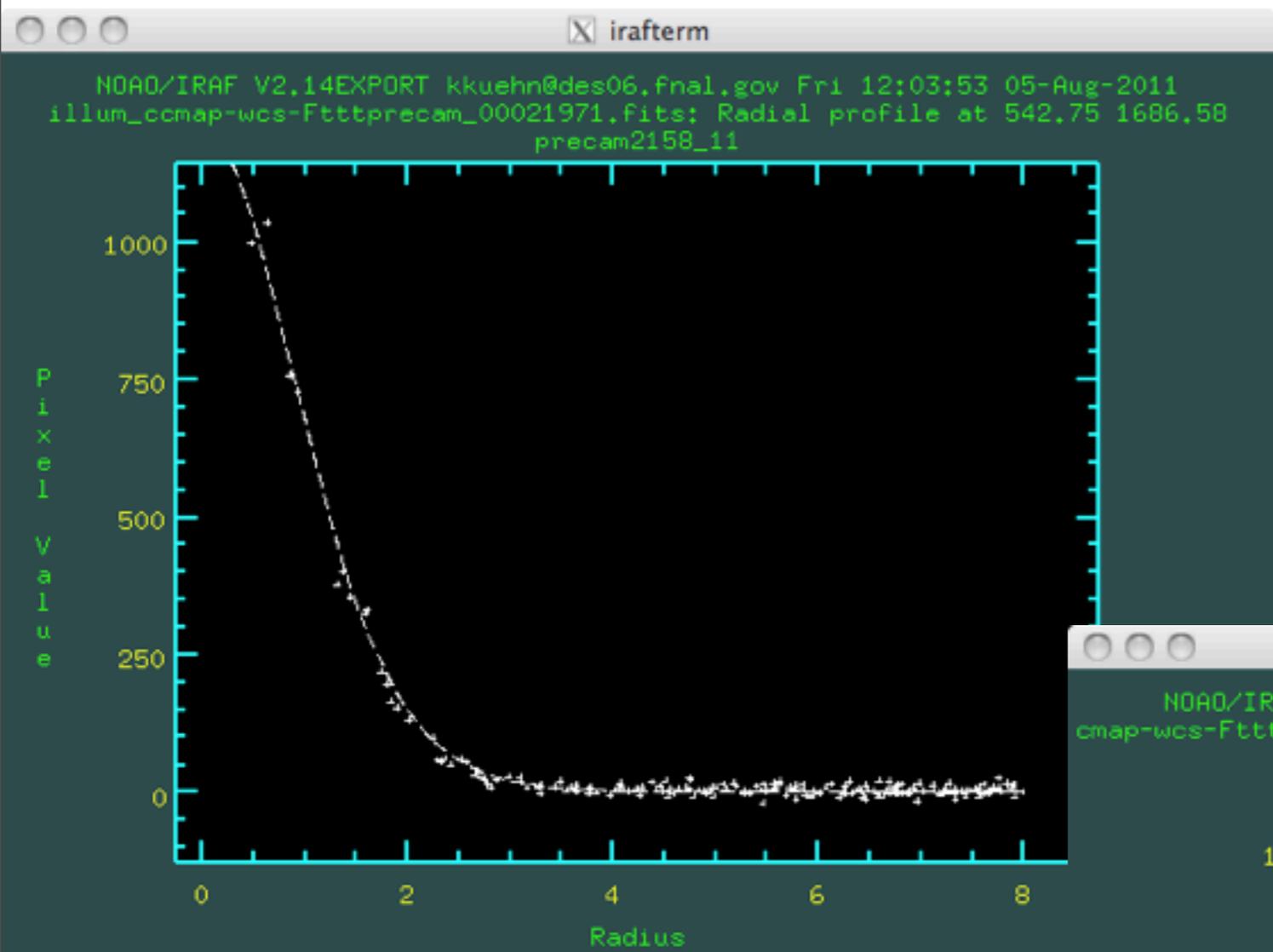
Before: Top pixel = 1327.8, Bottom pixel = 458.6
 During: Top pixel = 1.069, Bottom pixel = 0.860
 After: Top pixel = 1242.4, Bottom pixel = 533.1

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Before: Top pixel = 281.0, Bottom pixel = 471.7
 During: Top pixel = 1.054, Bottom pixel = 0.877
 After: Top pixel = 266.7, Bottom pixel = 538.0
 Illum correction improves stellar profile, and

IMEXAM shows nearly perfect contours!





6.35 15.35 7242. 206.6 1201. 0.18 -57 6.97 1.99 2

