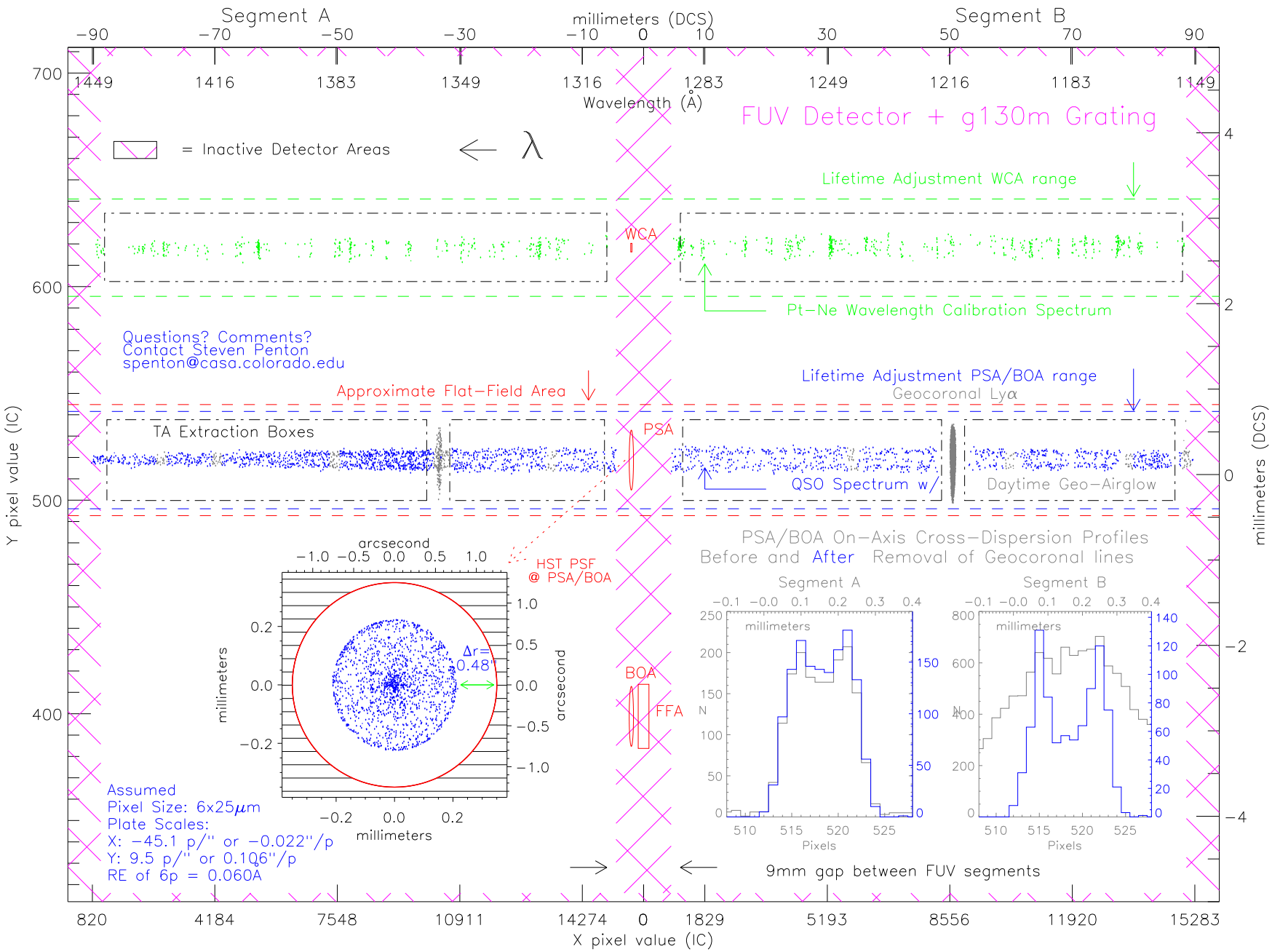
Segment A
millimeters (DCS)
Segment B
−90 −70 −50 −30 −10 0 10 30 50 70 90
1449 1416 1383 1349 1316 1283 1249 1216 1183 1149
Wavelength (Å)
FUV Detector + g130m Grating
= Inactive Detector Areas
λ
Lifetime Adjustment WCA range
WCA
Pt−Ne Wavelength Calibration Spectrum
Questions? Comments?
Contact Steven Penton
spenton@casa.colorado.edu
Approximate Flat−Field Area
Lifetime Adjustment PSA/BOA range
Geocoronal Lyα
TA Extraction Boxes
PSA
QSO Spectrum w/
Daytime Geo−Airglow
Y pixel value (IC)
millimeters (DCS)
700 600 500 400
4 2 0 −2 −4
PSA/BOA On−Axis Cross−Dispersion Profiles
Before and After Removal of Geocoronal lines
arcsecond
−1.0 −0.5 0.0 0.5 1.0
HST PSF
@ PSA/BOA
Δr=
0.48"
millimeters
arcsecond
BOA
FFA
Segment A
Segment B
−0.1 −0.0 0.1 0.2 0.3 0.4
millimeters
N
Pixels
510 515 520 525
Assumed
Pixel Size: 6x25μm
Plate Scales:
X: −45.1 p/" or −0.022"/p
Y: 9.5 p/" or 0.106"/p
RE of 6p = 0.060A
9mm gap between FUV segments
820 4184 7548 10911 14274 0 1829 5193 8556 11920 15283
X pixel value (IC)