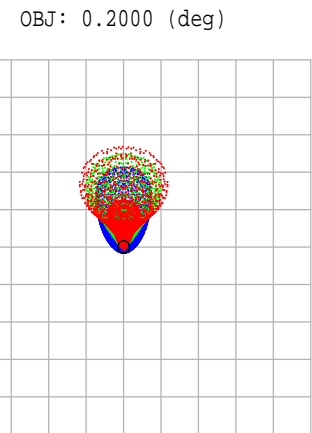
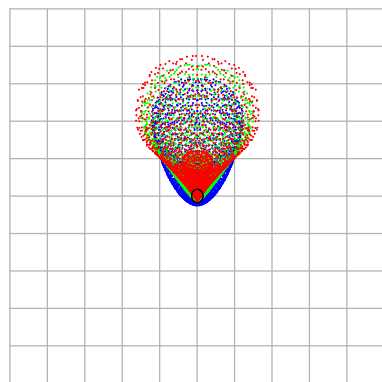


IMA: 0.000 mm



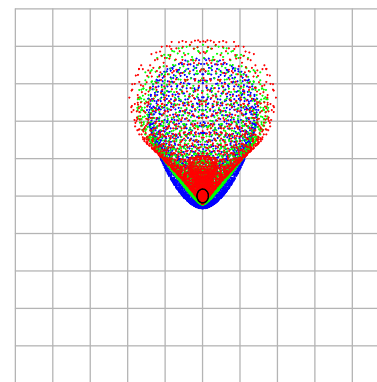
IMA: 13.852 mm

OBJ: 0.2800 (deg)



IMA: 19.397 mm

OBJ: 0.3200 (deg)



IMA: 22.172 mm

Native Focal
Ratio = f/11

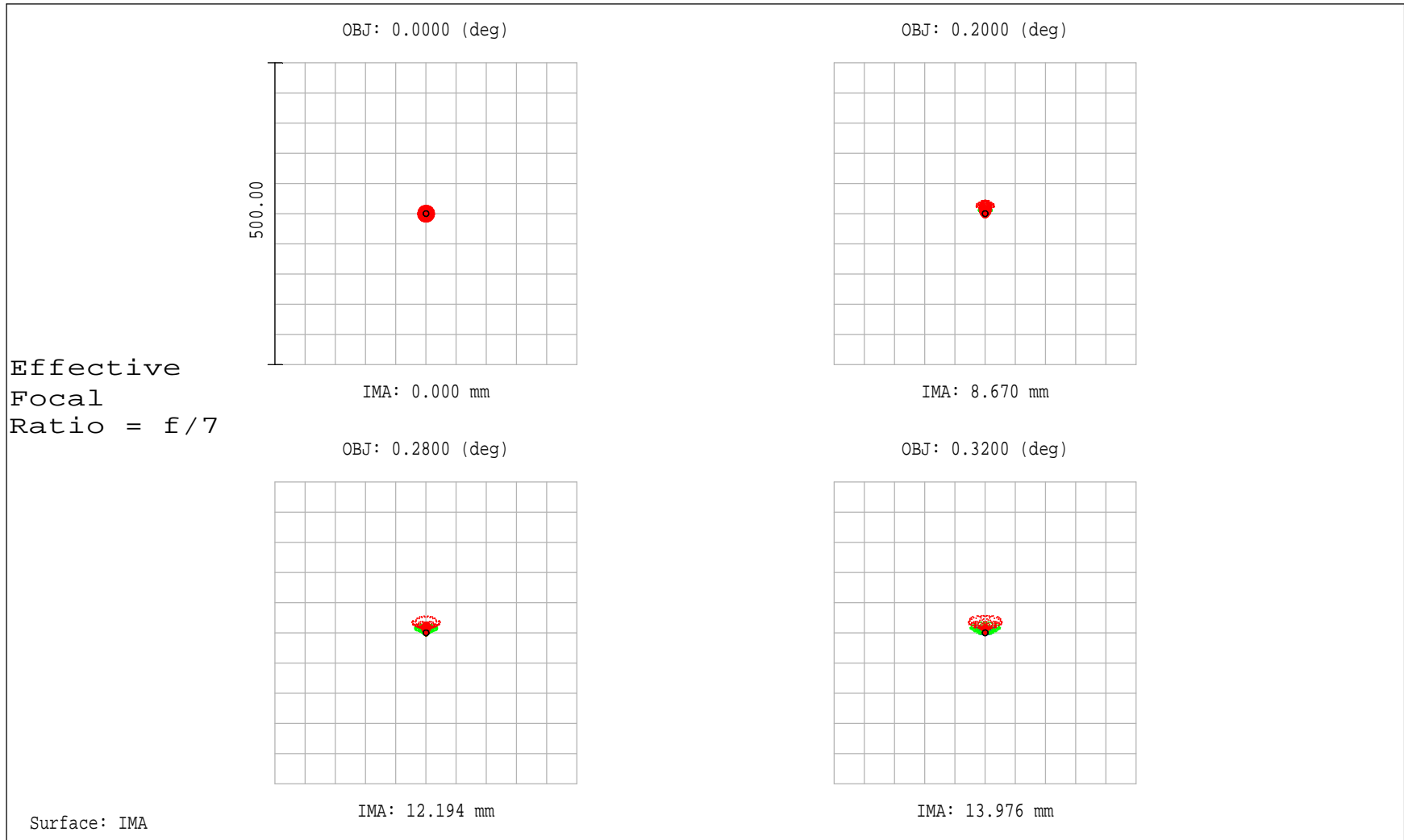
Surface: IMA

Spot Diagram

Celestron 14" - Classic C14 model per Smith, Ceragioli, Berry
 8/14/2012 Units are μm . Airy Radius: $7.507 \mu\text{m}$
 Field : 1 2 3 4
 RMS radius : 7.093 46.832 65.465 75.325
 GEO radius : 16.997 134.043 187.021 210.140
 Scale bar : 500 Reference : Chief Ray

Optec, Inc.
 Lowell, Michigan
 USA

Configuration 1 of 1



Spot Diagram

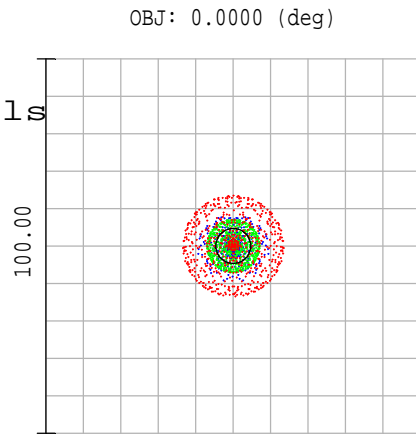
Classic C14 with Optec NGC214
 8/14/2012 Units are μm .
 Field : 1 2 3 4
 RMS radius : 6.874 8.330 9.950 12.274
 GEO radius : 13.475 22.209 29.351 34.586
 Scale bar : 500

Airy Radius: $4.667 \mu\text{m}$
 Reference : Chief Ray

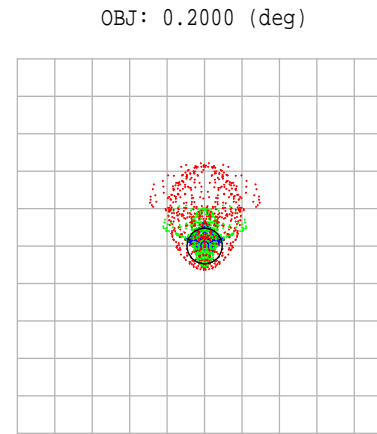
Optec, Inc.
 Lowell, Michigan
 USA

Configuration 1 of 1

Full Scale
10x10um pixels



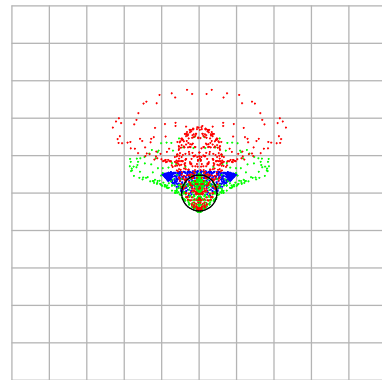
IMA: 0.000 mm



IMA: 8.670 mm

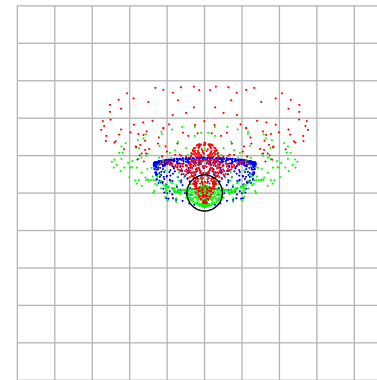
Effective
Focal
Ratio = f/7

OBJ: 0.2800 (deg)



IMA: 12.194 mm

OBJ: 0.3200 (deg)



IMA: 13.976 mm

Surface: IMA

Spot Diagram

Classic C14 with Optec NGC214

8/14/2012 Units are μm .

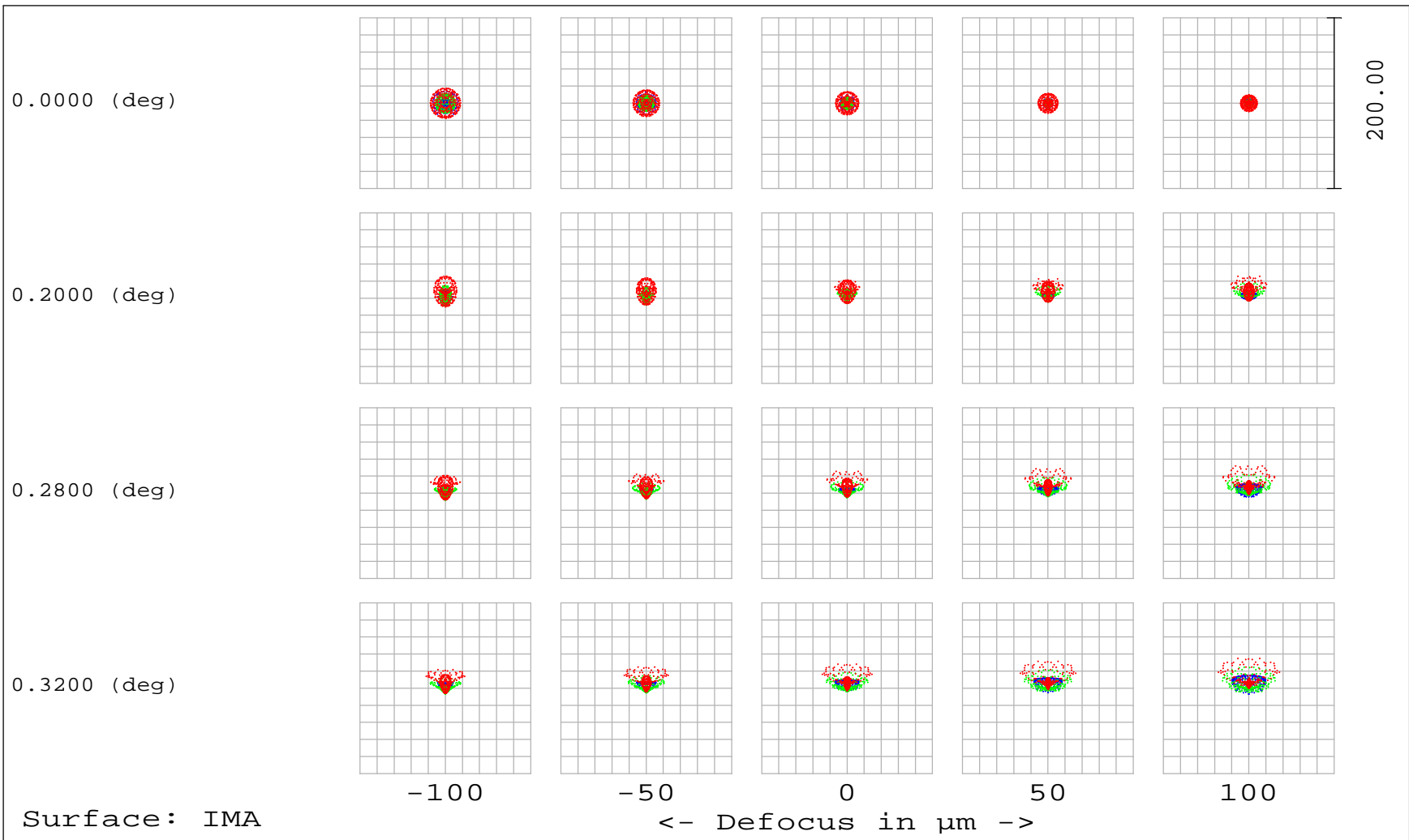
Airy Radius: $4.667 \mu\text{m}$

Field	1	2	3	4
RMS radius :	6.874	8.330	9.950	12.274
GEO radius :	13.475	22.209	29.351	34.586
Scale bar :	100			

Reference : Chief Ray

Optec, Inc.
Lowell, Michigan
USA

Configuration 1 of 1



Through Focus Spot Diagram

Classic C14 with Optec NGC214

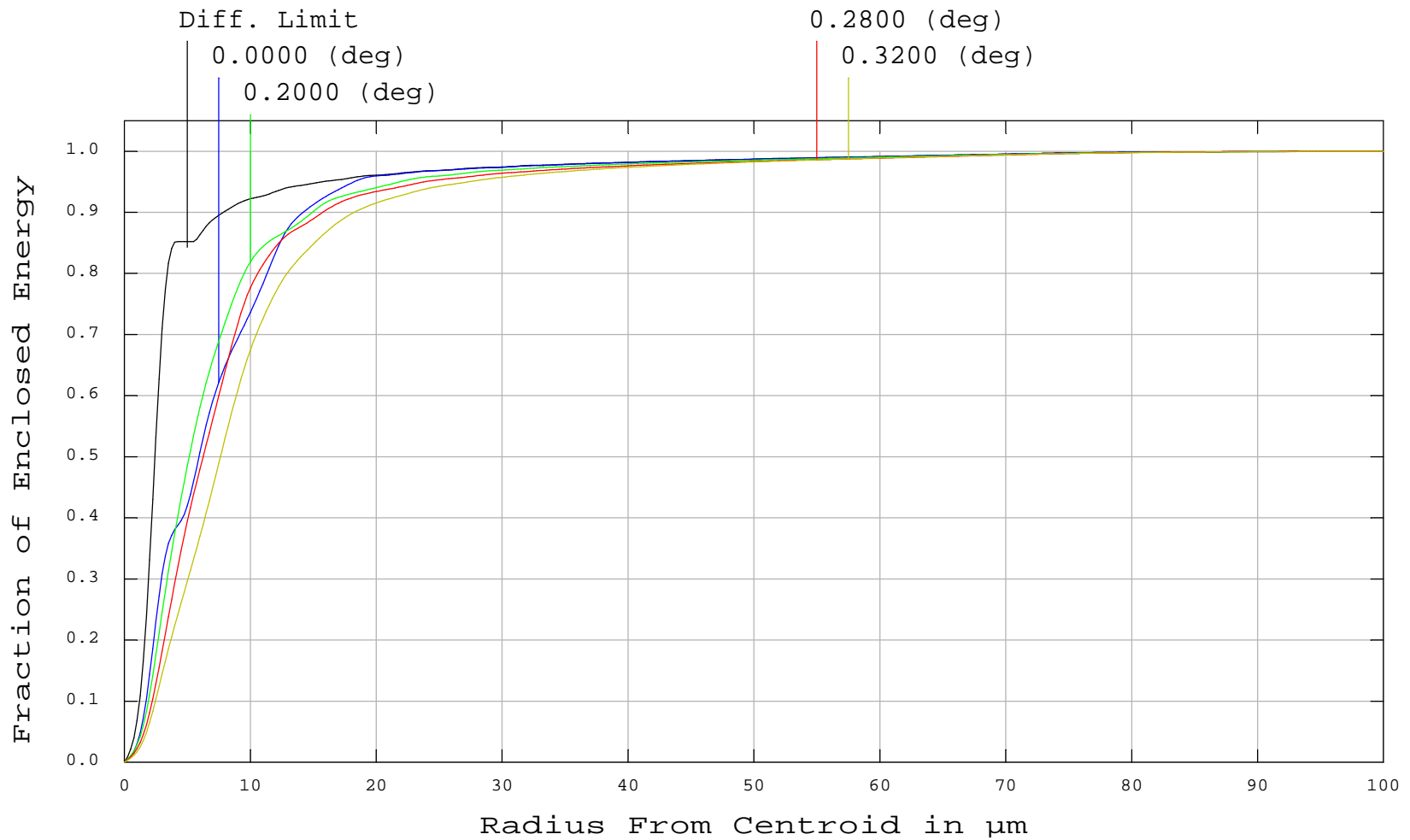
8/14/2012 Units are μm .

Field	1	2	3	4
RMS radius :	6.856	8.382	10.243	12.653
GEO radius :	13.475	21.632	28.550	34.304
Scale bar :	200		Reference : Chief Ray	

Optec, Inc.

Lowell, Michigan
USA

Configuration 1 of 1

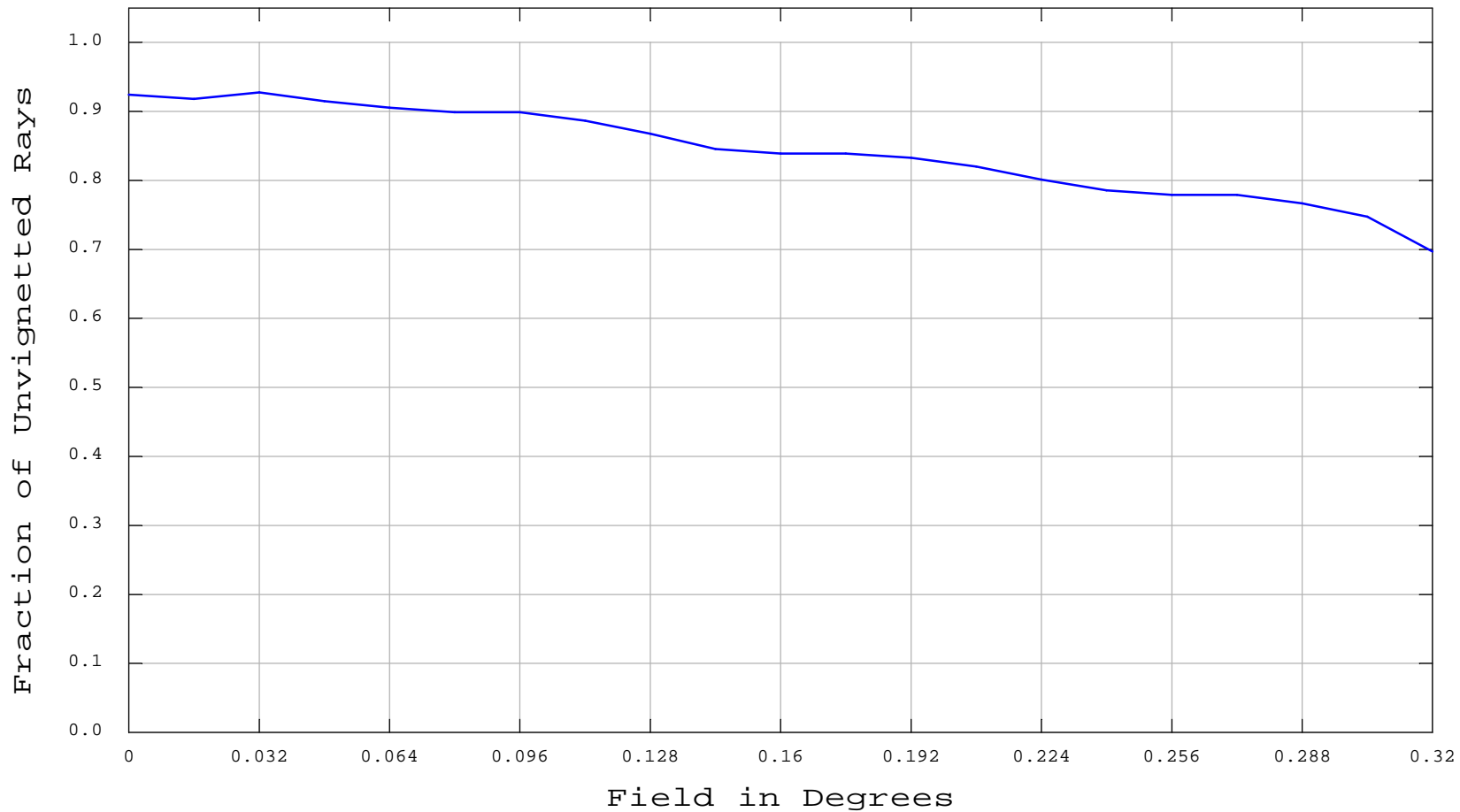


FFT Diffraction Encircled Energy

Classic C14 with Optec NGC214
 8/14/2012
 Wavelength: Polychromatic
 Surface: Image

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 Lowell, Michigan
 USA

Configuration 1 of 1

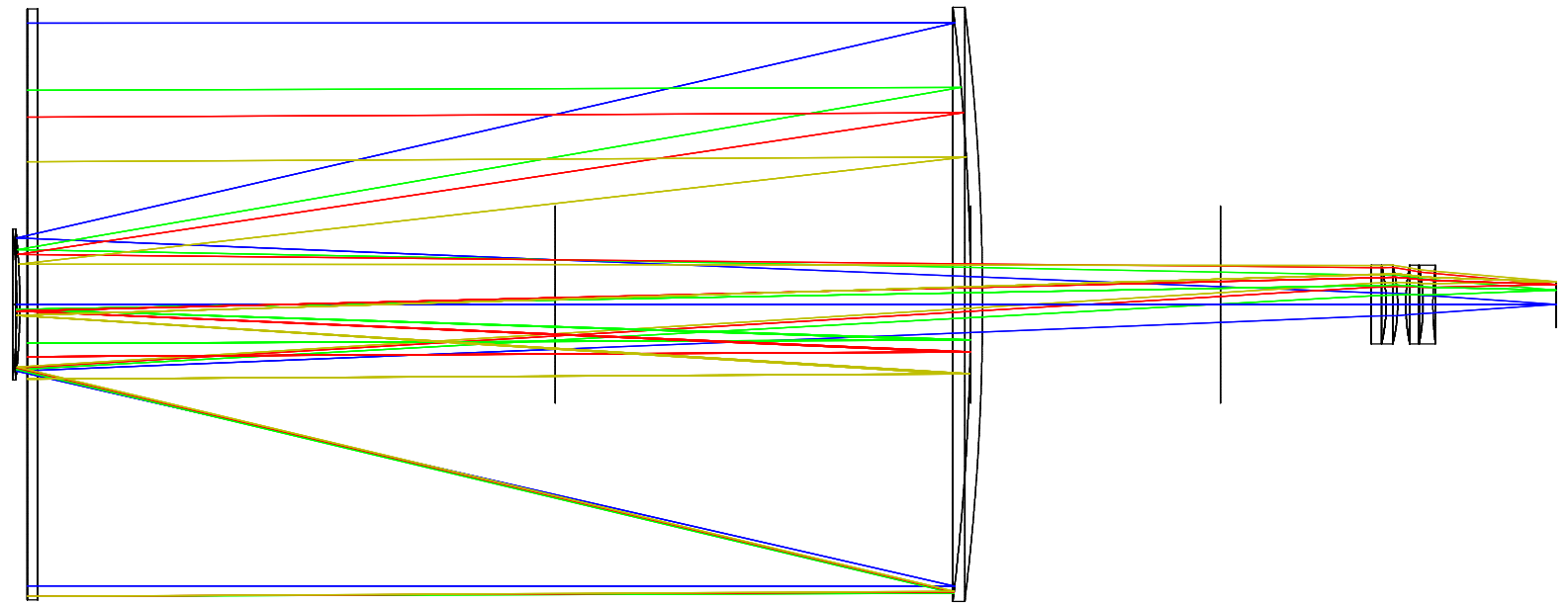


Vignetting Diagram

Classic C14 with Optec NGC214
8/14/2012

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Configuration 1 of 1



y
z

3D Layout

Classic C14 with Optec NGC214
8/14/2012

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Configuration 1 of 1