



CEDIC 2015

Introducing the RH/RiDK ranges

CEDIC Conference 2015

Introducing the New RiDK/RH ranges



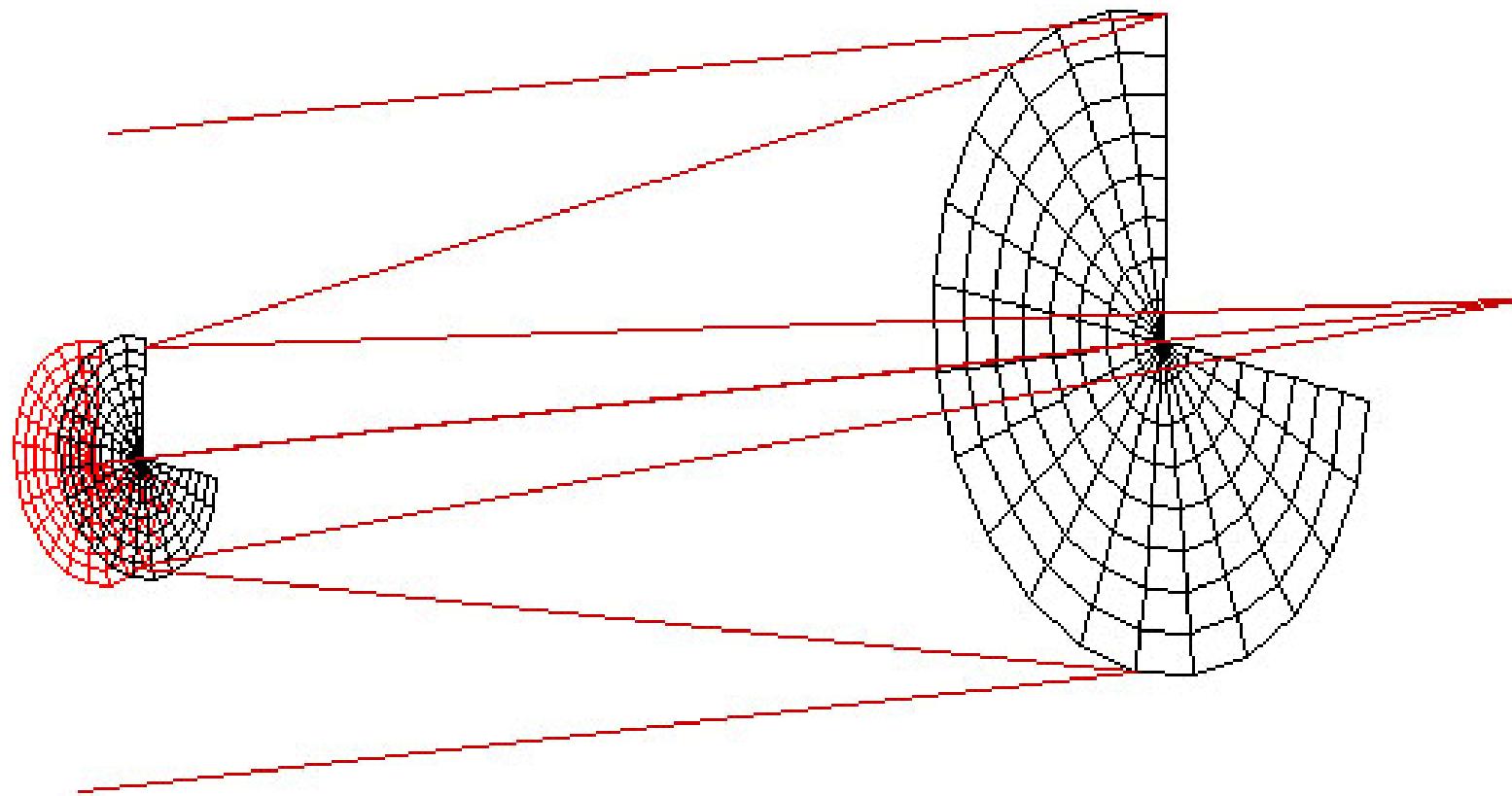
Future astroimaging

Why a RC telescope?

**Why not a RiDK telescope?
(it is better!)**

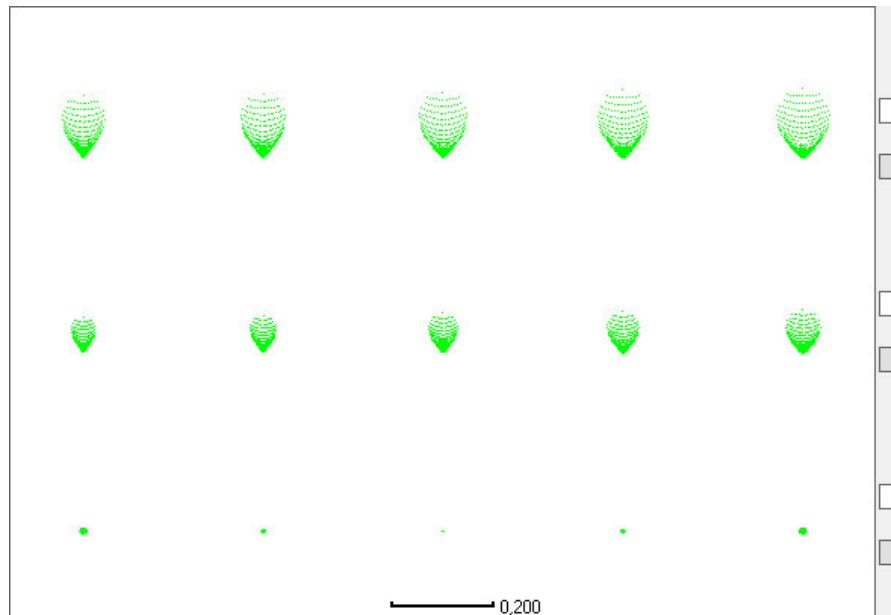
Introducing the RH/RiDK ranges

Classical Cassegrain/Ritchey Chretien layout

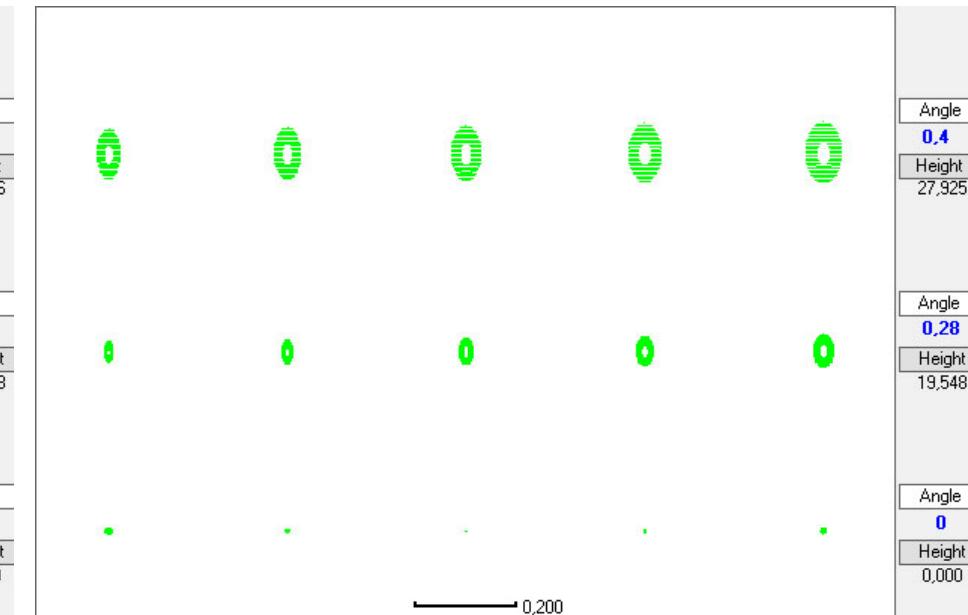


Introducing the RH/RiDK ranges

Classical Cassegrain/Ritchey Chretien performance



Cassegrain

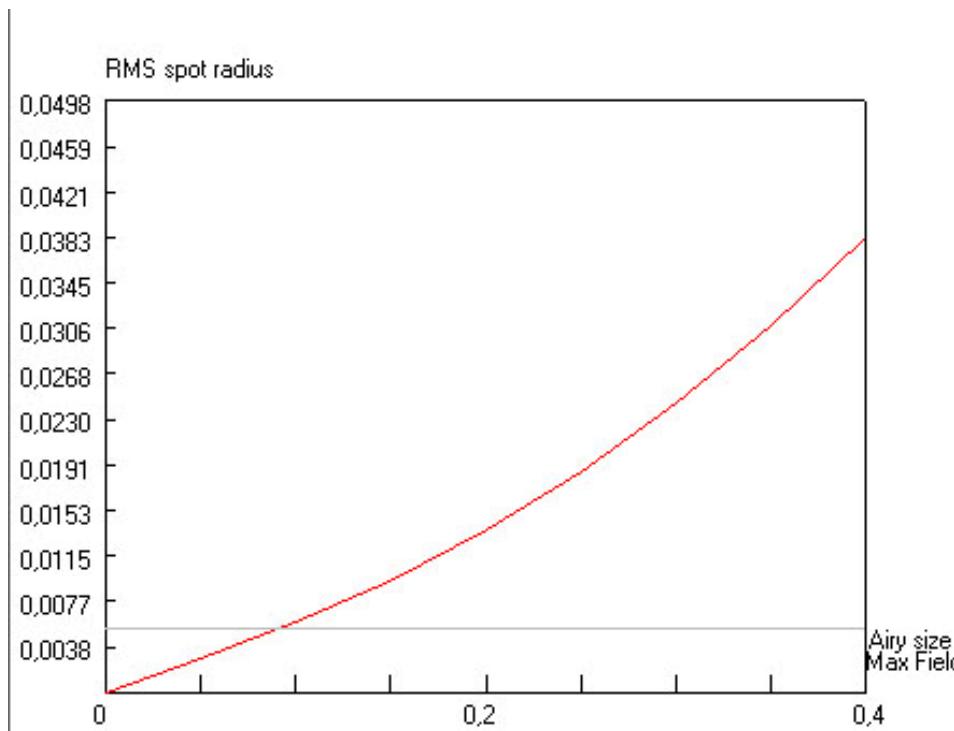


RC

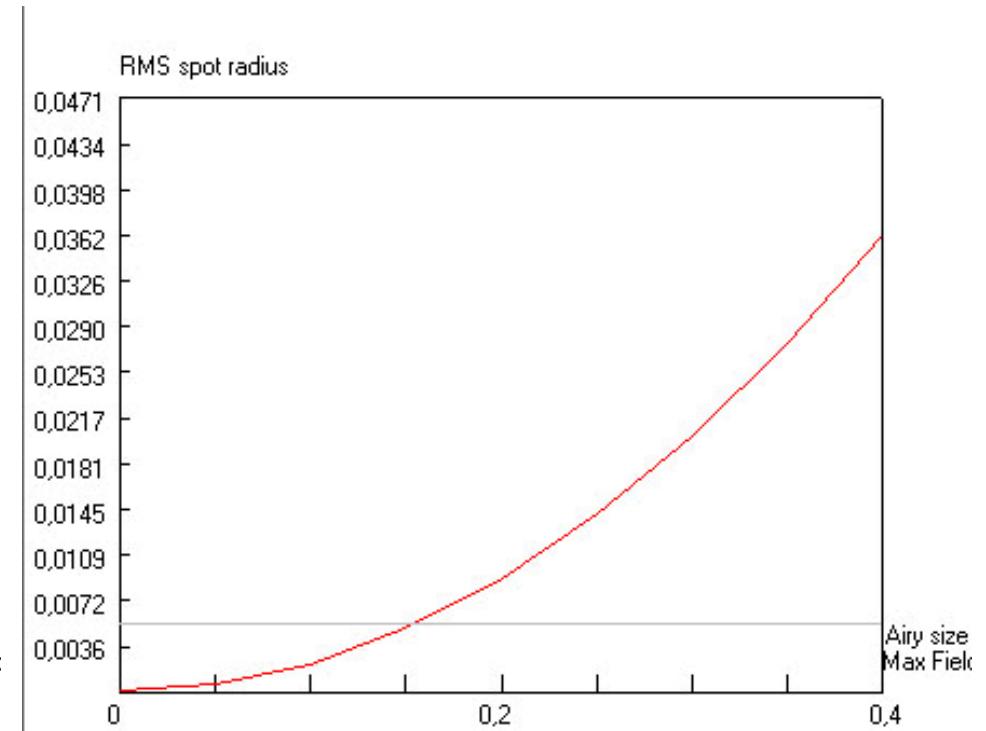
**20 inches Cassegrain and RC F/8. Only mirrors.
Max light transmission. Wide bandwidth. No "coma" on RC.**

Introducing the RH/RiDK ranges

Classical Cassegrain/Ritchey Chretien performance



Cassegrain

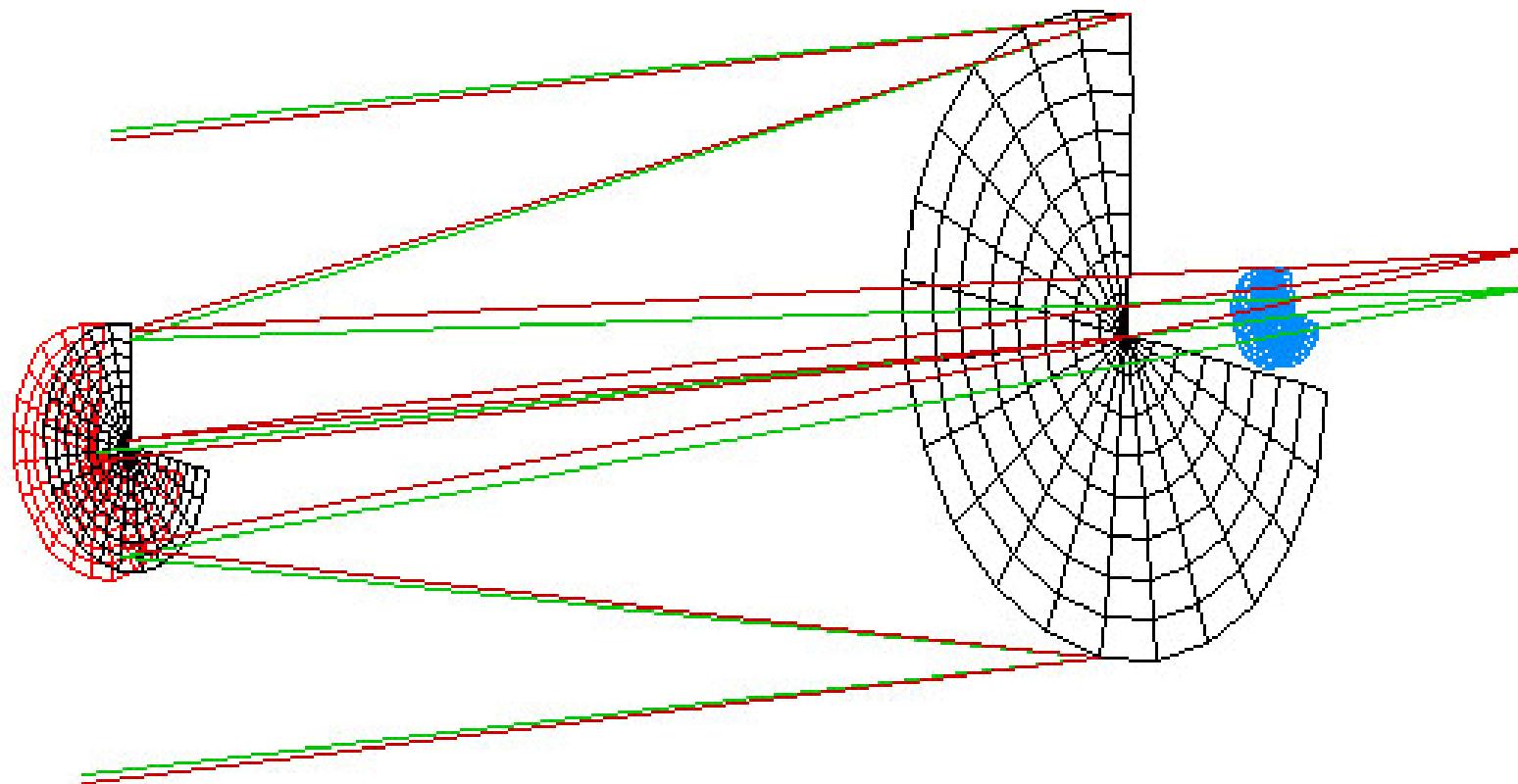


RC

**20 inches classical only mirrors F/8 Cassegrain and RC
39 micron at 60 mm field edge! BAD!**

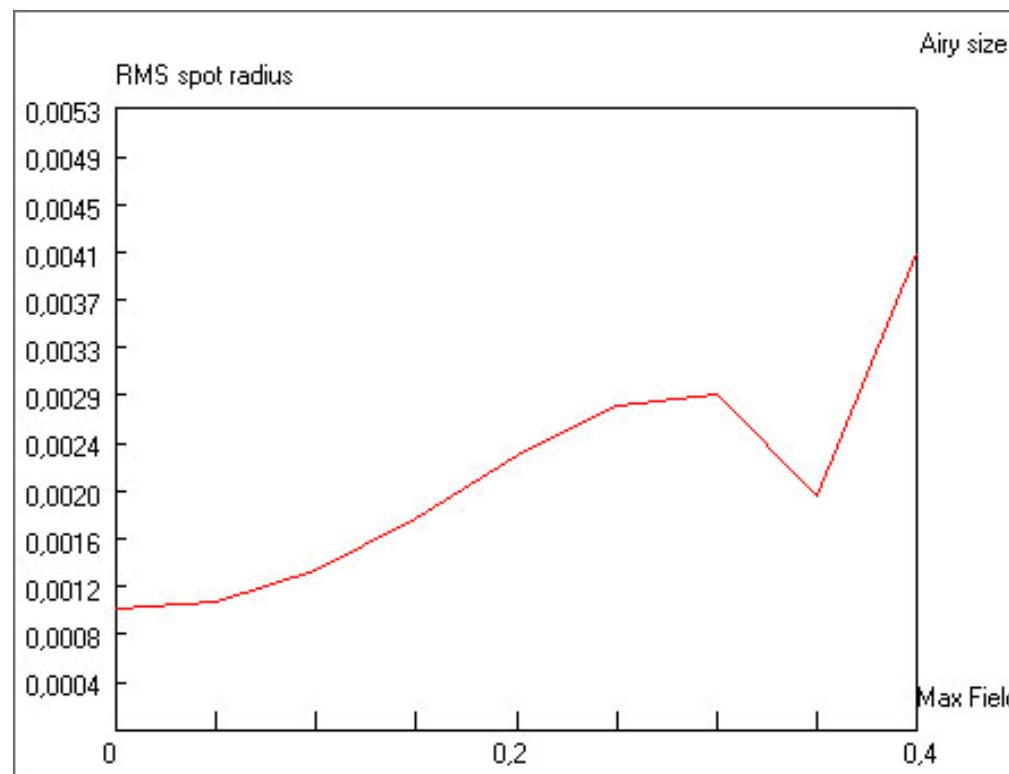
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Corrected Ritchey Chretien layout



Introducing the RH/RiDK ranges

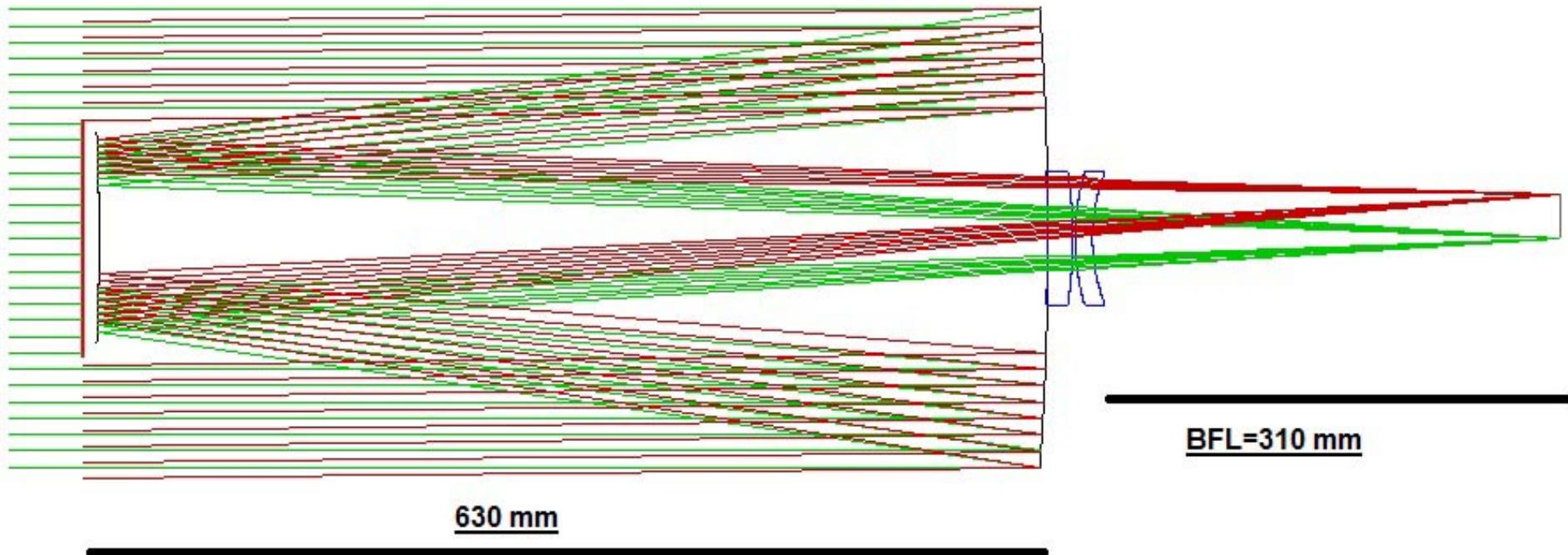
Corrected Ritchey Chretien performance



**20 inches corrected RC F/8.
4.1 micron at 60 mm field edge (410-750 nm).**

Introducing the RH/RiDK ranges

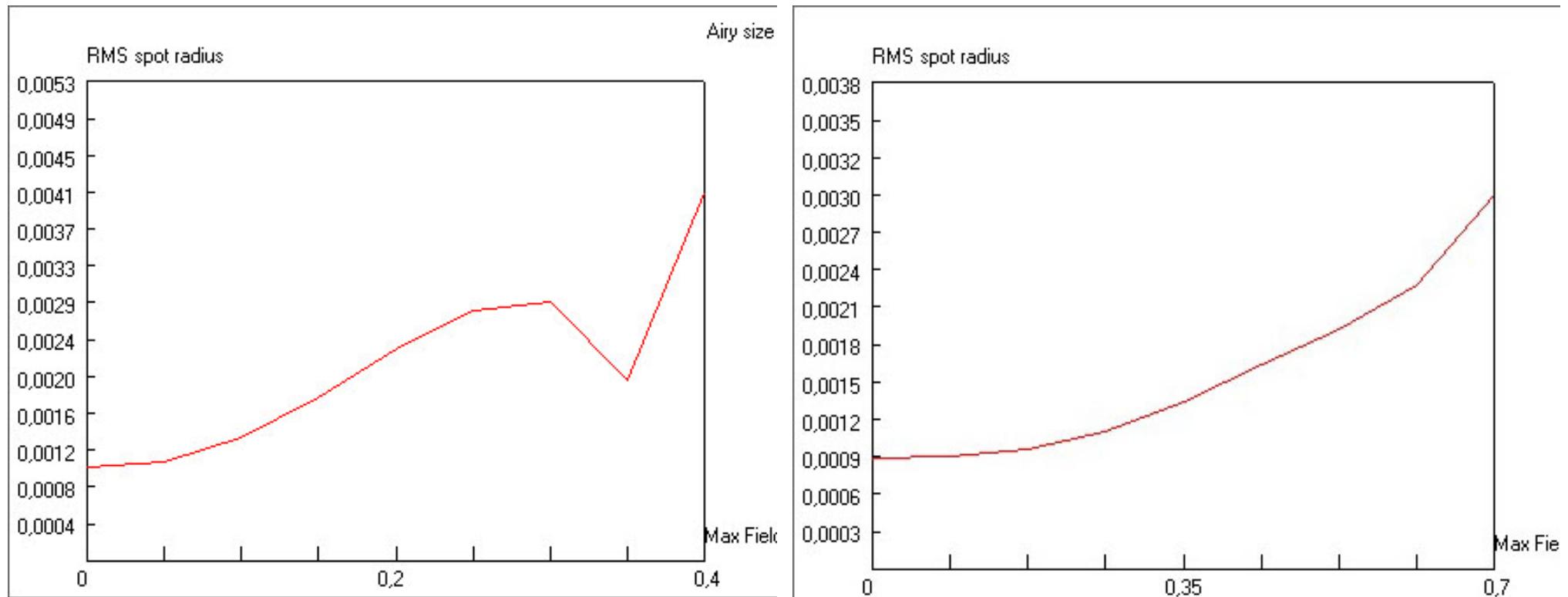
The RiDK layout



Spherical secondary mirror.
Aspherical primary mirror.
Corrector lens group before focus.

Introducing the RH/RiDK ranges

Corrected RC F/8 vs RiDK F/7 performance



Corrected F/8 RC: 4.1 micron at field edge (410-750 nm).
Corrected F/7 RiDK: 3.0 micron at field edge (400-800 nm).



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The New RiDK range:

Diameter and F/ratio

Field

12" (300 mm) F/8	60 mm
16" (400 mm) F/7	60 mm
20" (500 mm) F/7	60 mm
24" (600 mm) F/7	60 mm

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The RiDK advantages:

- . Easy to align!**
- . Widest corrected field!**
- . Diameters up to 24"!**
- . Small spot size!**
- . Faster F/7 focal ratio!**
- . Thermal stability!**



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Introducing the RH/RiDK ranges

The RH 250 f/5.6 model Year 2015!

IMPROVED!

**EASY TO USE. EASY TO ALIGN. COMPACT.
AMAZING PERFORMANCE.**





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The RH 250 f/5.6 model Year 2015!

Effective clear diameter: 250 mm (10").

Focal Ratio: F/5,6.

Focal lenght: 1400 mm (55").

Full corrected and illuminated field: 60 mm.

Dimensions: 645 mm (25.3") x 318 mm (12.5").

Weight of the OTA: 20 Kg (44 lbs).

Long back focus extraction: 200 mm (8").

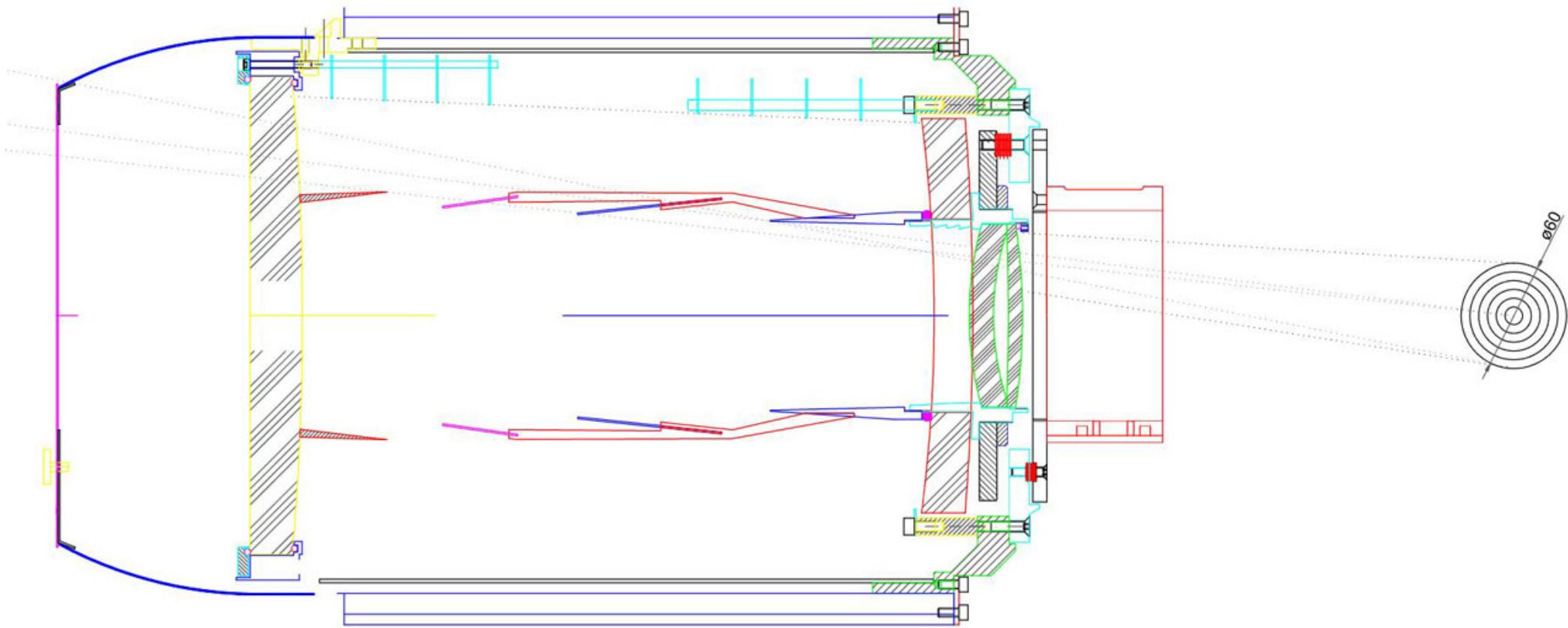
RMS spot under 3.6 micron on the full 60 mm field.

Diffraction limited in the 400 to 800 nm range.

Many focuser options (OS, FLI, etc.).

Losmandy dovetails included.

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