

Spot Diagram

Astrographes Ritchey-Chrétien

1.1. Ritchey-Chrétien – RC400 F/d : 10

Miroir Primaire hyperbolique		Miroir Secondaire hyperbolique	
Ø miroir	400 mm	Ø miroir	116 mm
Ø optique utile	396 mm	Ø optique utile	112 mm
Rapport f/D	2.5		
Combinaison Ritchey-Chrétien			
Sortie (/centre surface optique)	300	Rapport f/D résultant	10
Champs	50mm / 2.89°	Longueur focal résultante	3960 mm
Obstruction (diamètre)	30%		

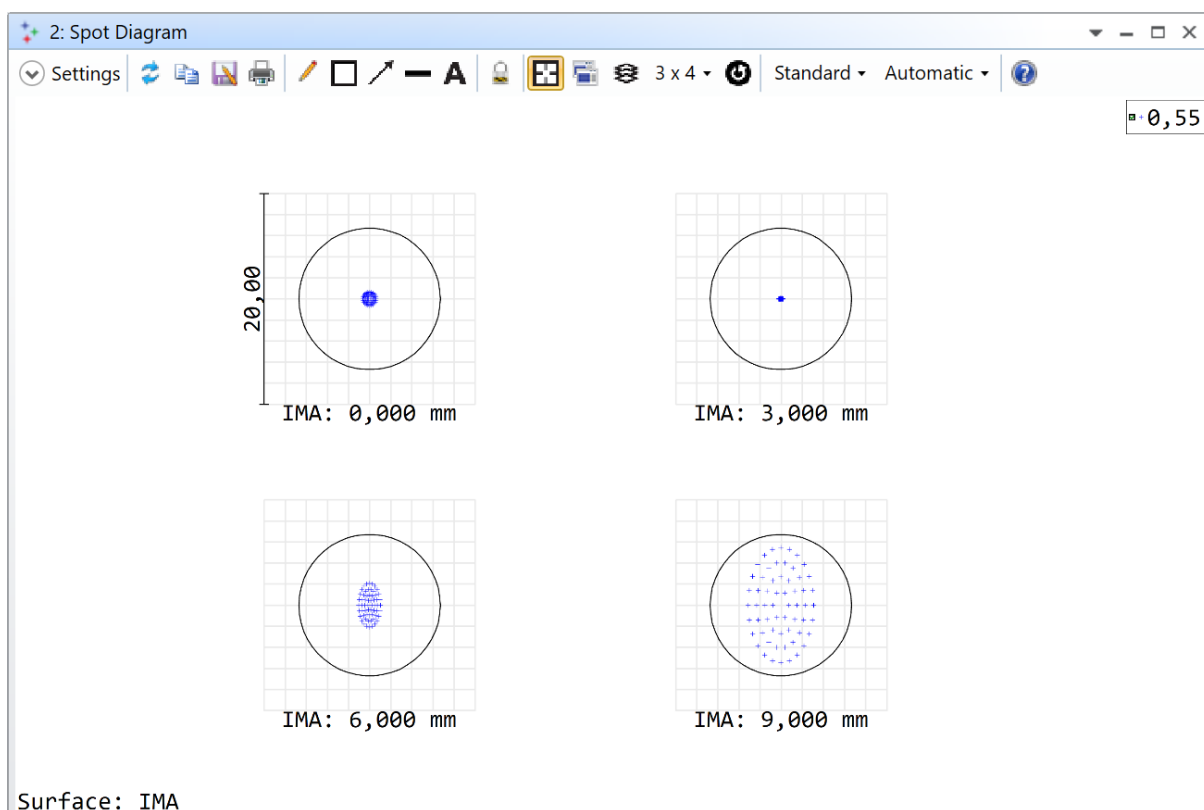
Diagonale de capteur de 17,5mm

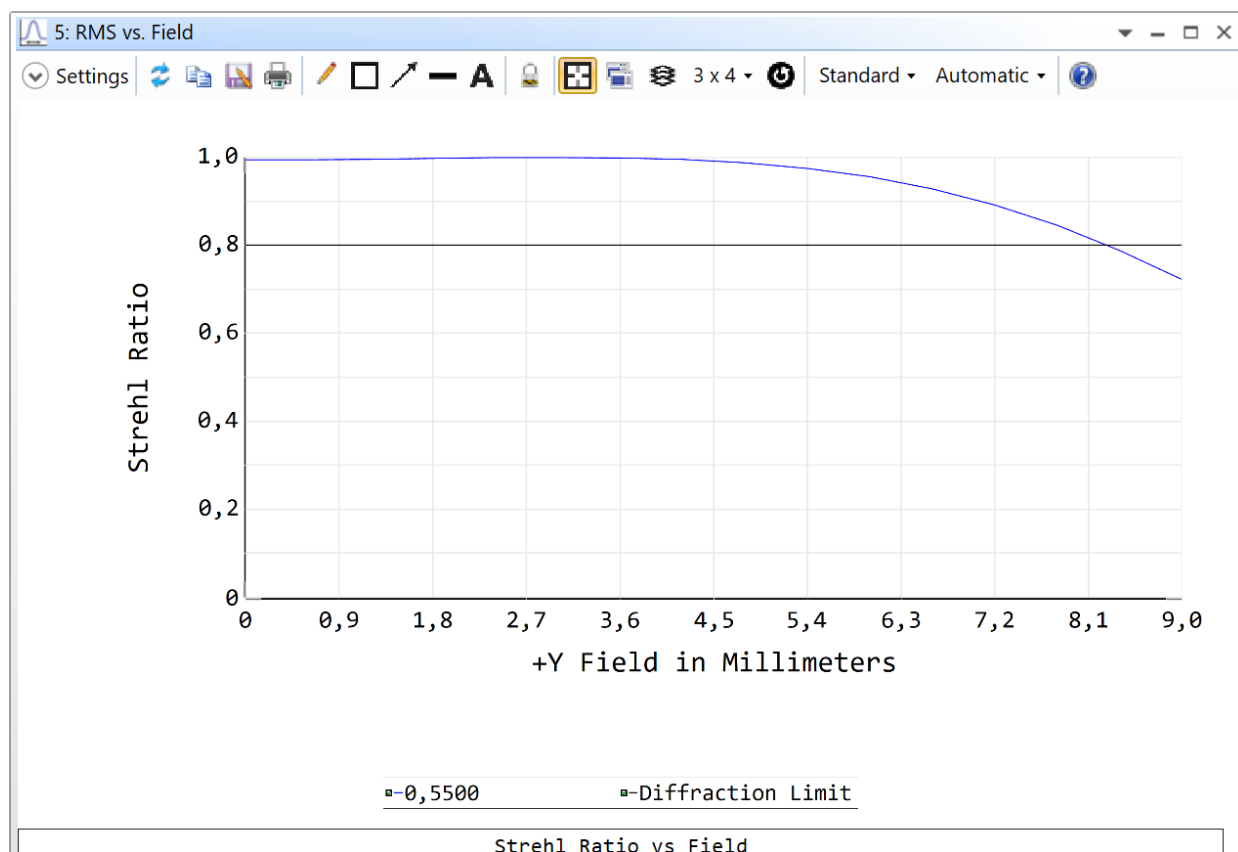
Lens Data

Update: All Windows

Surface 4 Properties Configuration 1/1

Surf.Type	Comment	Radius	Thickness	Material	Coating	Clear Semi-Dia	Chip Zone	Mech Semi-Dia	Conic	TCE x 1E-6
0 OBJECT Standard		Infinity	Infinity			Infinity	0,000	Infinity	0,000	0,000
1 STOP Standard		Infinity	1010,000			198,000 U	0,000	198,000	0,000	0,000
2 (aper) Standard		-1980,000	-732,000	MIRROR		198,000 U	0,000	150,000	-1,044	0,000
3 (aper) Standard		-688,000	1031,977	MIRROR		56,000 U	0,000	56,000	-3,179 V	0,000
4 IMAGE Standard		Infinity	-			9,008	0,000	9,008	0,000	0,000





1.2. Ritchey-Chrétien – RC400 F/d : 8

Miroir Primaire hyperbolique		Miroir Secondaire hyperbolique	
Ø miroir	400 mm	Ø miroir	138 mm
Ø optique utile	396 mm	Ø optique utile	134 mm
Rapport f/D	2.5		
Combinaison Ritchey-Chrétien			
Sortie (/centre surface optique)	300	Rapport f/D résultant	8
Champs	50mm / 2.89°	Longueur focale résultante	3168 mm
Obstruction (diamètre)	35%		

Diagonale de capteur de 17,5mm

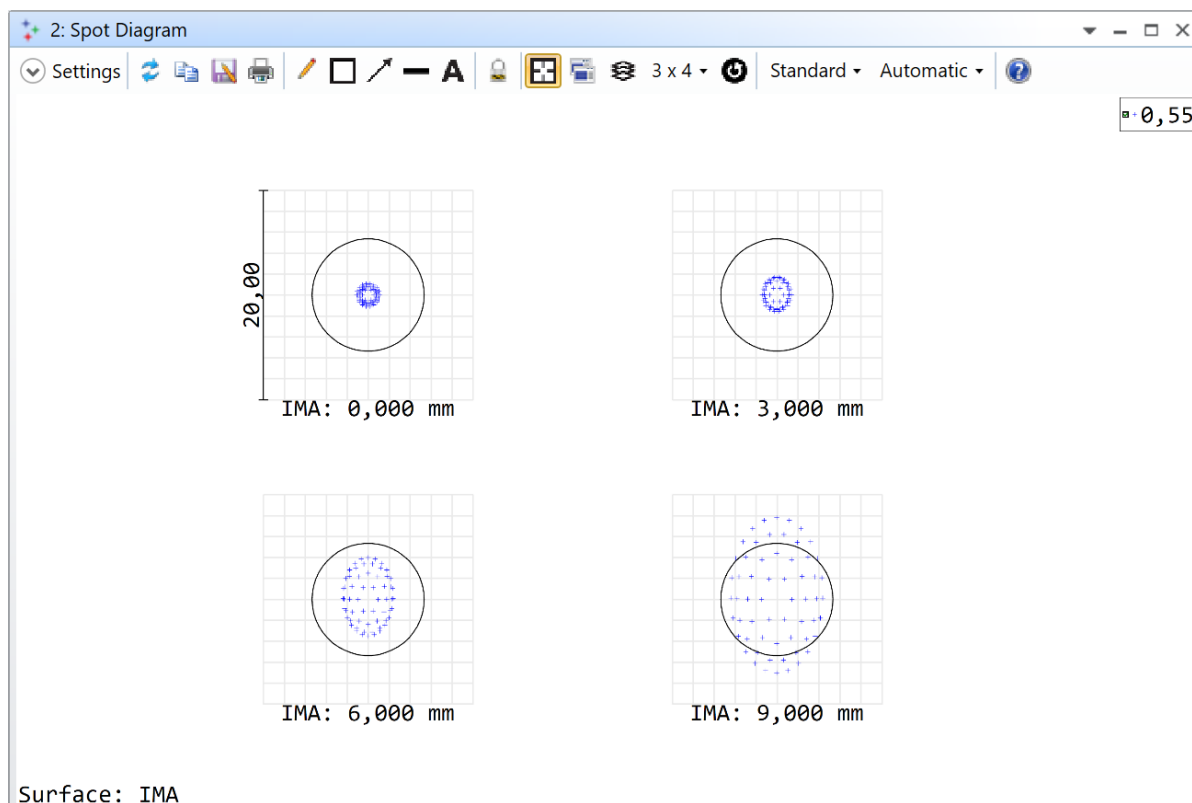
Lens Data

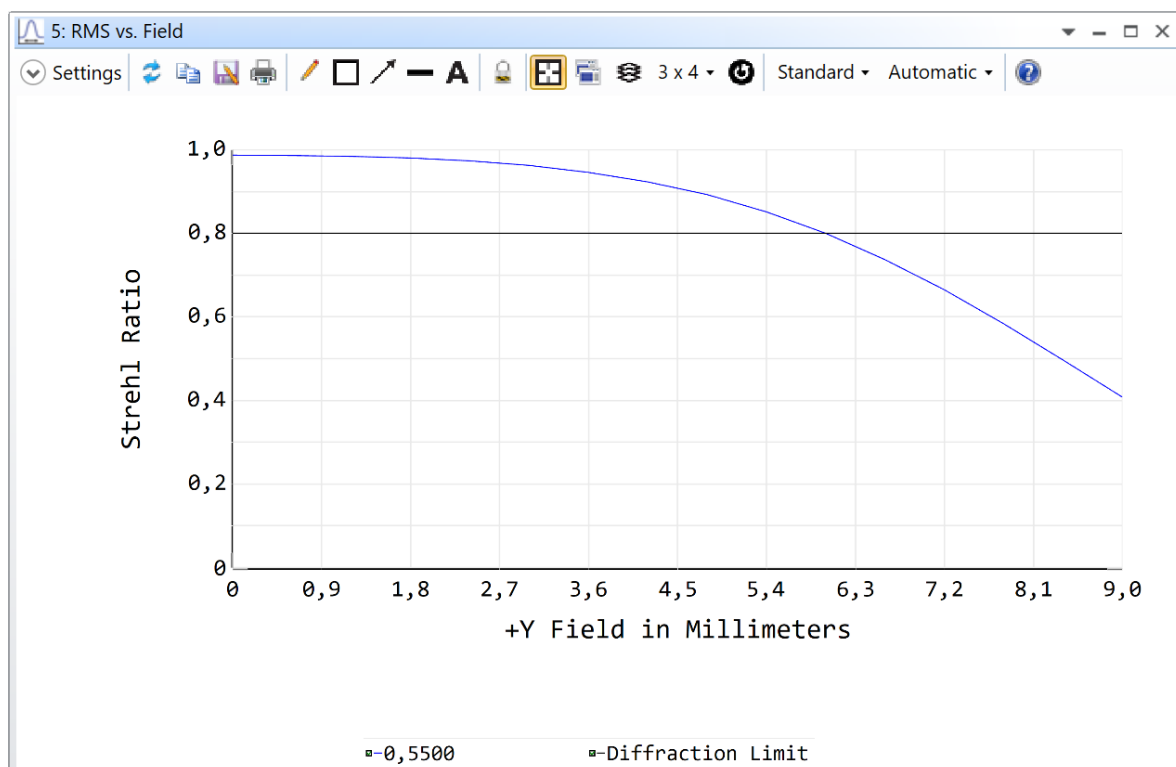
Update: All Windows

Surface 4 Properties

Configuration 1/1

Surf.Type	Comment	Radius	Thickness	Material	Coating	Clear Semi-Dia	Chip Zone	Mech Semi-Dia	Conic	TCE x 1E-6
0 OBJECT Standard		Infinity	Infinity			Infinity	0,000	Infinity	0,000	0,000
1 STOP Standard		Infinity	1010,000			198,000 U	0,000	198,000	0,000	0,000
2 (aper) Standard		-1980,000	-683,000	MIRROR		198,000 U	0,000	150,000	-1,088	0,000
3 (aper) Standard		-894,000	980,262	MIRROR		67,000 U	0,000	67,000	-4,516 V	0,000
4 IMAGE Standard		Infinity	-			9,009	0,000	9,009	0,000	0,000





1.1. Ritchey-Chrétien – RC400 F/d : 6

Miroir Primaire hyperbolique		Miroir Secondaire hyperbolique	
Ø miroir	400 mm	Ø miroir	151 mm
Ø optique utile	396 mm	Ø optique utile	147 mm
Rapport f/D	2		
Combinaison Ritchey-Chrétien			
Sortie (/centre surface optique)	300	Rapport f/D résultant	6
Champs	50mm / 3.61°	Longueur focale résultante	2376 mm
Obstruction (diamètre)	40%		

Diagonale de capteur de 17,5mm

Lens Data											
Update: All Windows											
Surface 2 Properties											
Surf.Type	Comment	Radius	Thickness	Material	Coating	Clear Semi-Dia	Chip Zone	Mech Semi-Dia	Conic	TCE x 1E-6	
0 OBJECT Standard		Infinity	Infinity			Infinity	0,000	Infinity	0,000	0,000	
1 (aper) Standard		-1584,000	-519,000	MIRROR		198,000 U	0,000	198,000	-1,117	0,000	
2 STOP (a Standard		-819,000	818,992	MIRROR		73,500 U	0,000	73,500	-5,145 V	0,000	
3 IMAGE Standard		Infinity	-			9,014	0,000	9,014	0,000	0,000	

