

68-04-19

Calibration Certificate

Wild Camera No. 15 UAg. 355

1 2 4 3 19

Lens Cone

Type: R05/R08
 No.: 15 Dag. 355
 Size: 9" x 9"

Lens

Calibration date: 19.4.68

Type: Universal - Aviogon
 No.: 355
 f = 152.51 mm
 max. aperture: f:5.6

Resolving Power (Lines per millimeter)

High contrast and max. aperture f:5.6

Film: Agfa IP 15 blank

Glass plate:

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°
rad.	53	53	52	51	44	38	51	49	26	7			
tang.	53	53	51	49	52	49	44	40	35	19			

rad.													
tang.													

Distortion in millimeters

The given distortion is the arithmetic mean of the four half-diagonals. Positive values denote image displacement outwards.

Goniometer measurements made with ~~Wald / Agfa / XXXXX~~ no filter on lens cone.

Calibrated focal length: 152.51 mm

Radius	20	40	60	80	100	120	140	148
Distortion	+0.004	+0.006	+0.006	+0.002	-0.003	-0.007	-0.002	+0.007

The displacement of the principal point of autocollimation from the intersection of the diagonals (fiducial center) is within 0.01 mm

Date of Dispatch: 29.4.68

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 Limited

MR

LENS CONE

LENS

CALIBRATION DATE: 19.4.68

Type: RC5/RC8

Type: Universal - Aviogon

Format: 9" x 9"

No.: 15 UAg 355 f = 152.51 mm

Coordinates (Origin: Fiducial Center) of

Point of best Symmetry (S):

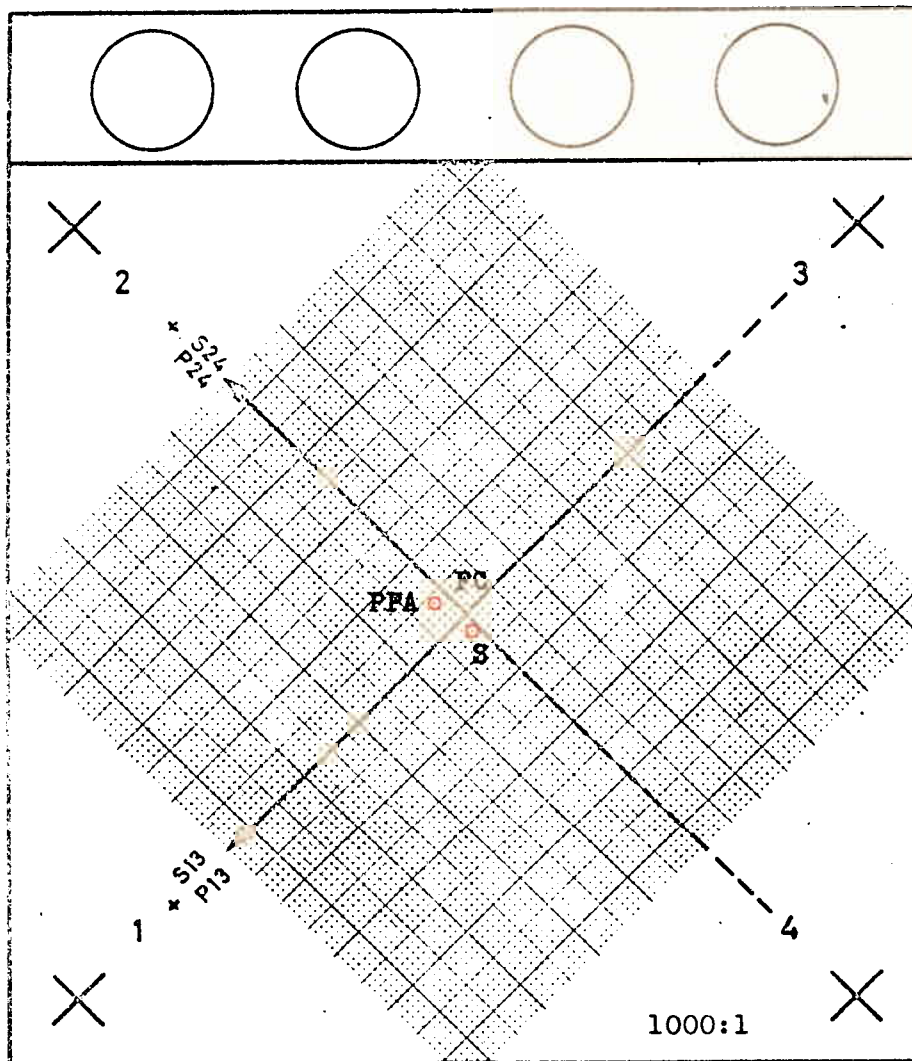
S13 = +1 μ ; S24 = -2 μ

Principal Point of Autocollimation (PPA):

P13 = +2 μ ; P24 = +4 μ

(Calibration without filter)

(Seen on Focal Plane Frame)



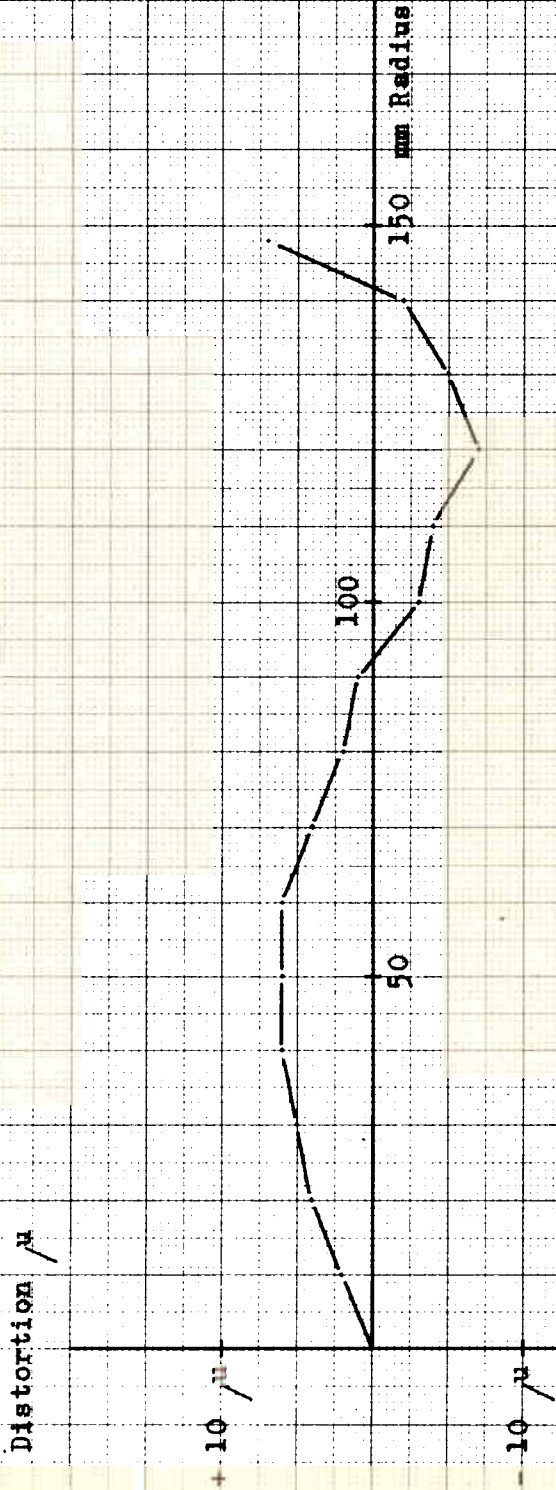
Distances between Fiducial Marks in mm :

- 1 - 2 = 211.998 1 - 3 = 299.796
- 2 - 3 = 211.993 2 - 4 = 299.802
- 3 - 4 = 211.993
- 4 - 1 = 211.980

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WILD UNIVERSAL - AVIOCON Lens Cone 9" x 9" No. 15 UAG, 355 f - 152.51 mm



Mean Distortion Curve

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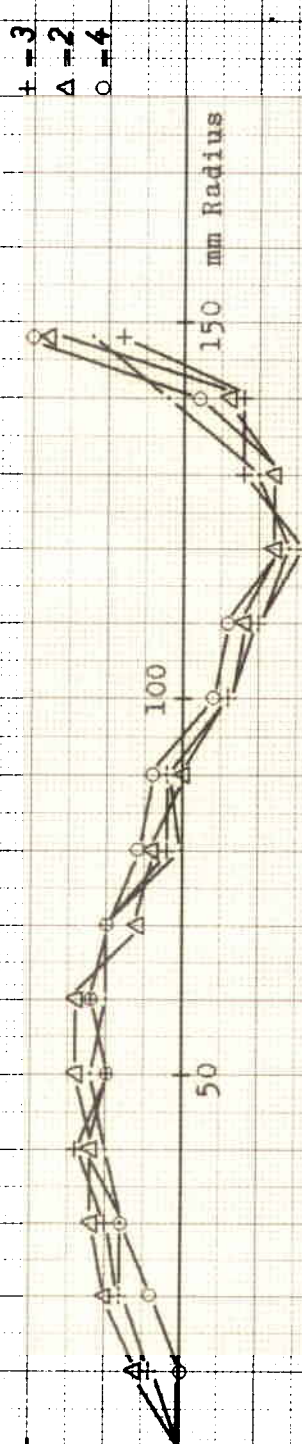
19.4.68 RR.

WILD UNIVERSAL - AVIOGON Lens Cone 9" x 9" No. 15 UAG. 355 $f = 152.51$ mm

Distortion μ

+ 10 μ

- 10 μ



1
+ 3
 Δ = 2
o = 4

150 mm Radius

Origin: Point of Symmetry

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19.4.68 KR.