

## Calibration Certificate

15.1.1969

**Wild Camera No.** 135

Lens No. 4

10. A9

This calibration certificate replaces the  
previous certificate issued on 26.1.65

### Lens Cone

Type: RC7  
 No.: 135  
 Size: 14 cm x 14 cm

### Lens

Caliberation date: 15.1.69

Type: Aviogon  
 No.: 10 Ag. 4  
 f = 100.29 mm  
 max. aperture: f:5.6

### Resolving Power (Lines per millimeter)

High contrast and max. aperture f:5.6

Film: Agfa Isopan IFF 13 Planfilm

Glass plate:

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°
rad.	81	81	79	78	75	58	70	74	55	16			
tang.	81	81	78	75	72	74	68	60	42	32			

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 ~~the lens cone~~ no filter on lens cone.

Calibrated focal length: 100.29 mm

Radius	20	40	50	60	70	80	90	94
Distortion	+0.006	+0.004	+0.001	-0.003	-0.007	-0.008	-0.006	-0.004

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

Date of Dispatch: 20.1.69

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LENS CONE

LENS

CALIBRATION DATE: 15.1.69

Type: RC7a

Type: Aviogon

Format: 14 cm x 14 cm

No.: 10 Ag. 4

f = 100.29 mm

Coordinates (Origin: Fiducial Center) of

Point of best Symmetry (S):

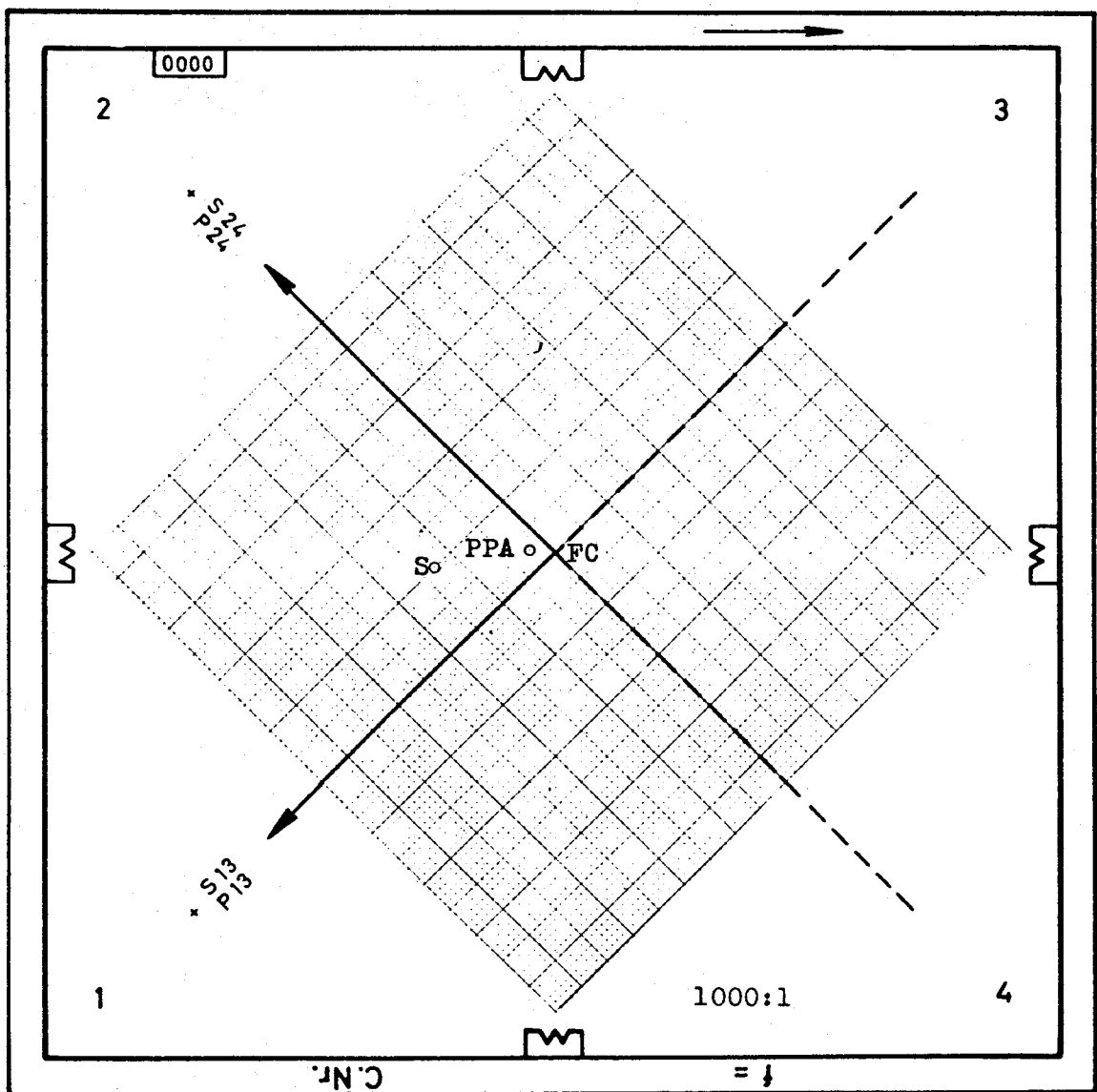
S13 = +13  $\mu$  ; S24 = +10  $\mu$

Principal Point of Autocollimation (PPA):

P13 = +2  $\mu$  ; P24 = +3  $\mu$

(Calibration without filter)

(Seen on Focal Plane Frame)



WILD AVIOGON Lens Cone 14 cm x 14 cm No. 10 Ag. 4 f = 100.29 mm

Distortion /u

+ 10 /u

- 10 /u

100 mm Radius

80

60

40

20

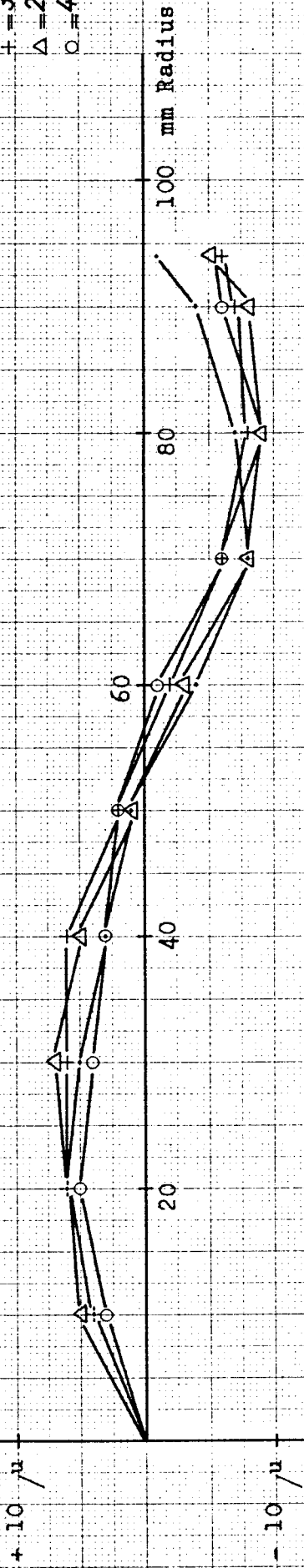
Mean Distortion Curve

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WILD AVIOGON Lens Cone 14 cm x 14 cm No. 10 Ag. 4 f = 100.29 mm

Distortion  $\mu$

- = 1
- + = 3
- $\Delta$  = 2
- = 4



Origin: Point of Symmetry

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