

74-10-29

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## Calibration Certificate

**Wild Lens Cone / ~~Camera~~**

**No.** 15 UAg. II No. 3045

**Type:** RC 10

**Lens Cone/Camera****Lens****Calibration date:** 22.10.74

Type: RC 10

Type: Universal - Aviogon II

Format: 9" x 9"

No.: 3045

f = 152.82 mm

Coordinates (Origin: Fiducial Center) of

Point of best Symmetry (S):

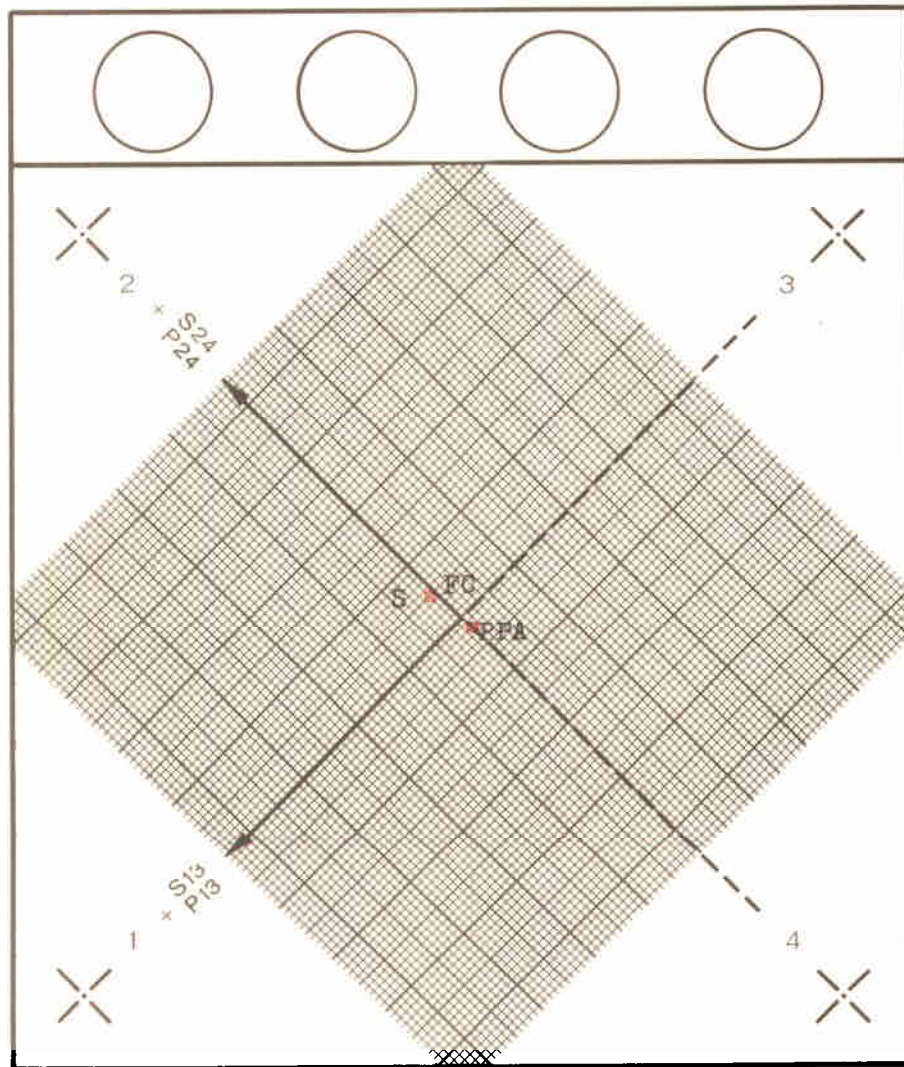
S13 = +1  $\mu$ m S24 = +5  $\mu$ m

Principal Point of Autocollimation (PPA):

P13 = 0  $\mu$ m P24 = -2  $\mu$ m

(Calibration without filter)

(Seen on Focal Plane Frame)



SCALE: 1000:1

Distances between Fiducial Marks in mm:

1 - 2 = 211.998

1 - 3 = 299.828

2 - 3 = 212.002

2 - 4 = 299.807

3 - 4 = 212.009

4 - 1 = 212.004

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Jam.

### Lens Cone / Camera

Type: RC 10  
 No.: 15 UAg. II 3045  
 Format: 9" x 9"

**Lens Calibration date:** 22.10.74

Type: Universal - Aviogon II  
 No.: 3045  
 f = 152.82 mm  
 max. aperture: f/4.0

### Resolving Power (Lines per millimeter)

High contrast and ~~max~~ aperture f/4.7

Film: Agfapan 25 Professional  
 Glass plate:

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°
rad.	84	87	83	102	75	66	78	67	25	10			
tang.	84	75	56	44	48	45	48	49	40	31			

rad.													
tang.													

### Distortion in millimeters

The given distortion is the arithmetic mean of the four semi-diagonals. Positive values denote image displacement away from center.

Goniometer measurements made with no filter on Lens Cone / ~~lens~~

Calibrated focal length: 152.82 mm

Radius	20	40	60	80	100	120	140	148
Distortion	0.000	-0.001	0.000	+0.003	+0.002	-0.002	-0.003	+0.002

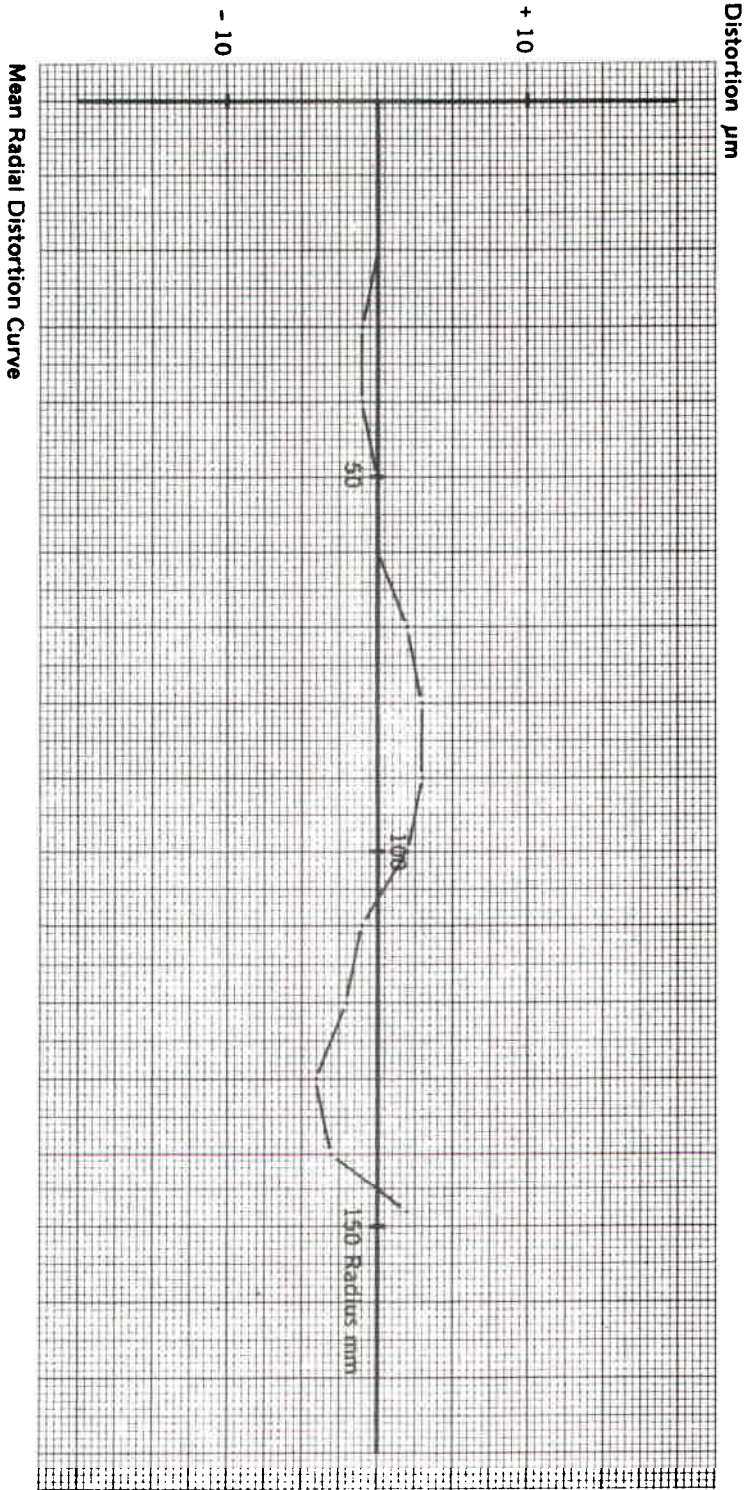
The displacement of the principal point of autocollimation from the intersection of the diagonals (fiducial center) is within 0.01 mm.

Date of Dispatch: 29.10.74

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*jeim.*

WILD RC10    UNIVERSAL-AVIAGON II    Lens Cone 9" x 9"    15 UAg.11 304,5    f = 152.82    mm

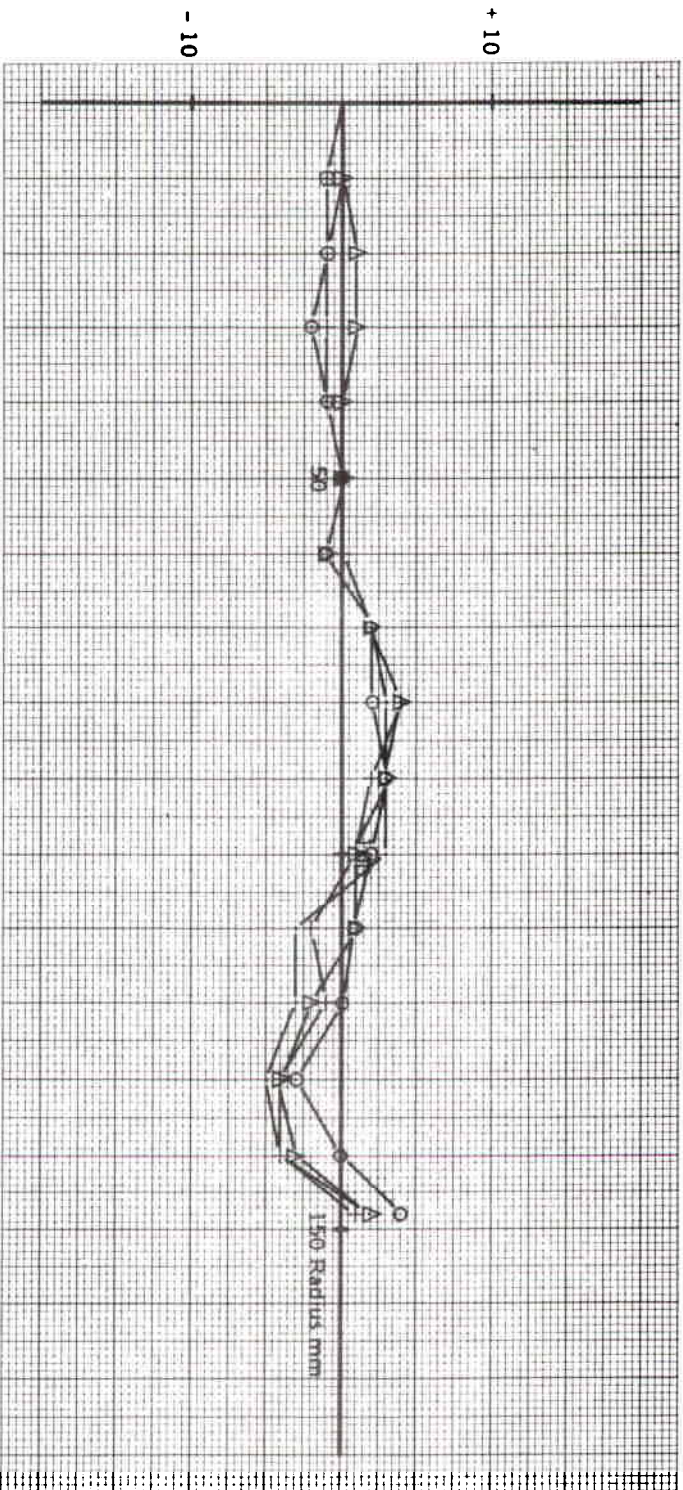


Mean Radial Distortion Curve

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WILD RC10      UNIVERSAL-AVIOGON II      Lens Cone 9" x 9"      15 UAq.11 3045      f = 152.82      mm

Distortion  $\mu\text{m}$



- = 1
- + = 3
- △ = 2
- = 4

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 22.10.74 *Jainz.*