

22. 7. 74

Calibration Certificate

Wild Lens Cone / ~~Camera~~

No. 15 UAg. II No. 3009

Type: RC 10

This calibration certificate replaces the
previous certificate issued on 13.2.74

Lens Cone / Camera

Type: RC 10
 No.: 15 UAg. II 3009
 Format: 9" x 9"

Lens Calibration date: 22.7.74

Type: Universal - Aviogon II
 No.: 3009
 f = 152.86 mm
 max. aperture: f/5.6

Resolving Power (Lines per millimeter)

High contrast and max. aperture f/5.6

Film: Agfapan 25 Professional
 Glass plate:

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°
rad.	84	75	74	81	49	43	65	69	24	10			
tang.	84	75	41	39	42	44	49	71	39	30			

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 / ~~Camera~~.

Calibrated focal length: 152.86 mm

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

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

Date of Dispatch: 25.7.74

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Jam.

Lens Cone/Camera**Lens****Calibration date:** 22.7.74

Type: RC 10

Type: Universal - Aviogon II

Format: 9" x 9"

No.: 3009

f = 152.86 mm

Coordinates (Origin: Fiducial Center) of

Point of best Symmetry (S):

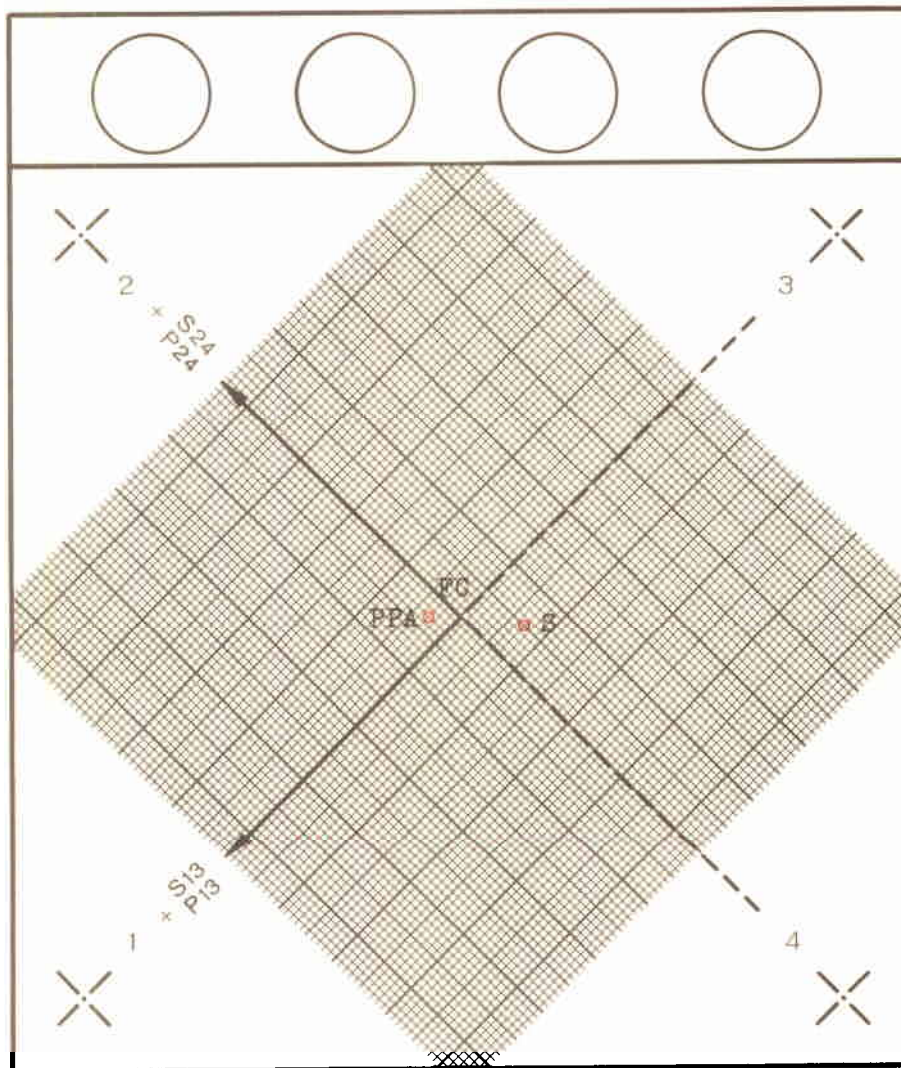
S13 = -5 μ m S24 = -7 μ m

Principal Point of Autocollimation (PPA):

P13 = +3 μ m P24 = +3 μ m

(Calibration without filter)

(Seen on Focal Plane Frame)



SCALE: 1000:1

Distances between Fiducial Marks in mm:

1 - 2 = 212.008

1 - 3 = 299.823

2 - 3 = 212.008

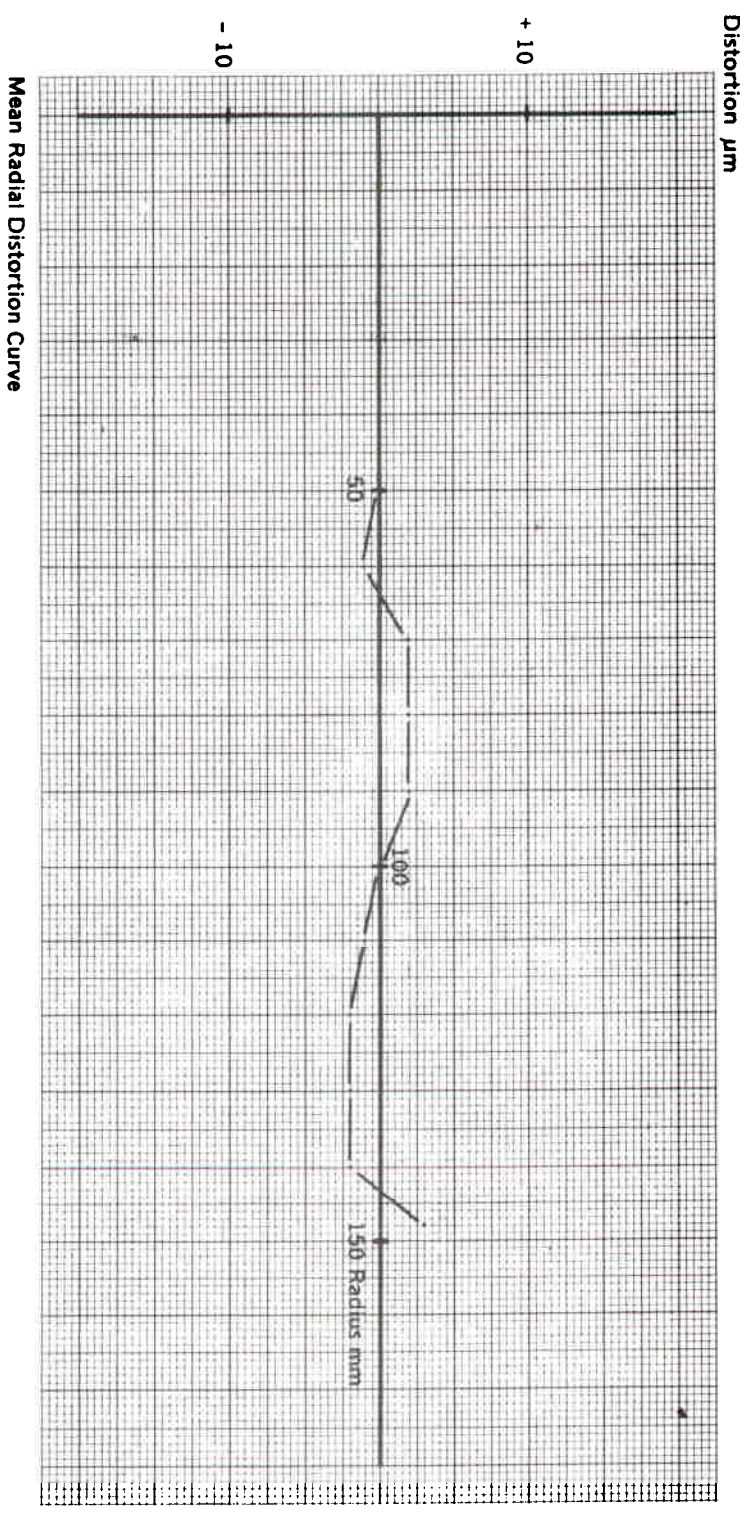
2 - 4 = 299.838

3 - 4 = 212.015

4 - 1 = 212.017

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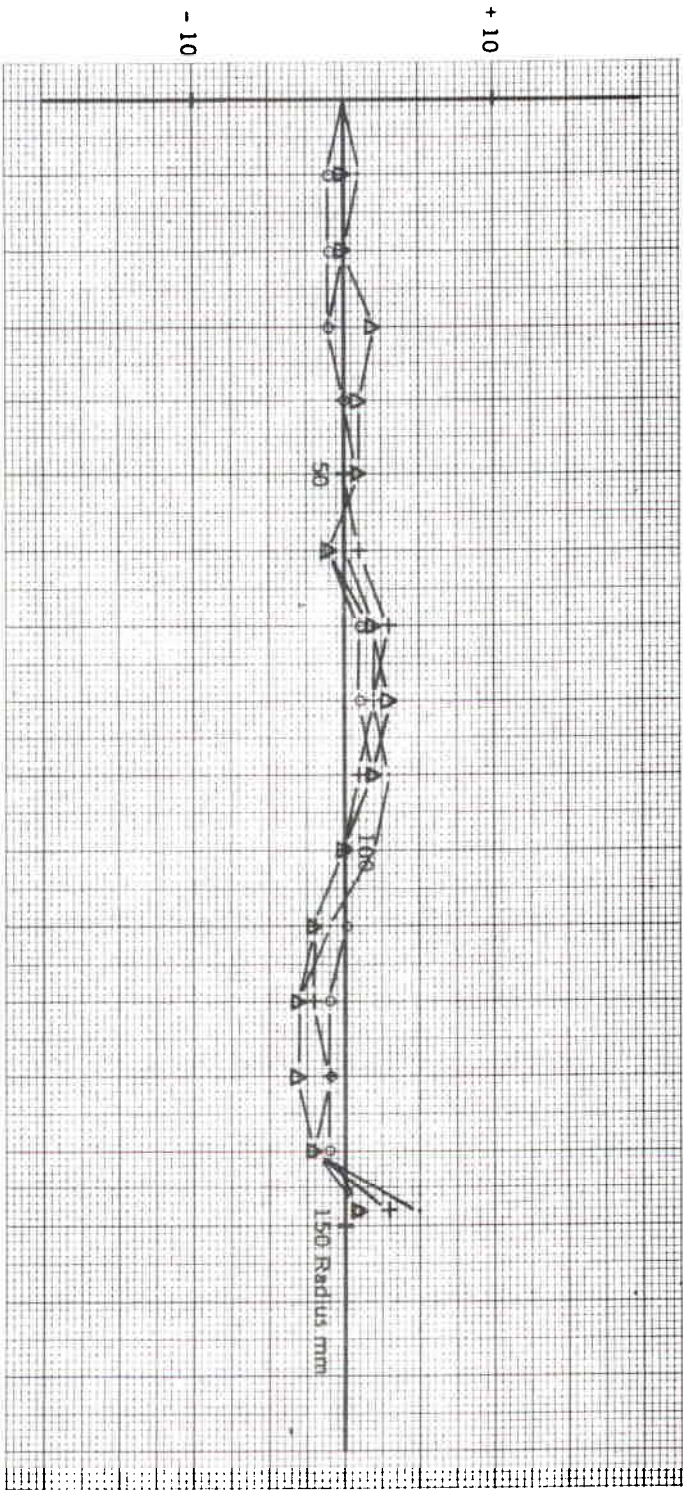
WILD RC10 UNIVERSAL-AVIOGON II Lens Cone 9" x 9" 15 UAg. II 3009 f = 152.86 mm



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22.7.74 *gaim.*

WILD RC10 UNIVERSAL-AVIOGON II Lens Cone 9" x 9" 15 UAg. II 3009 f = 152.86 mm

Distortion μm



- = 1
- + = 3
- Δ = 2
- = 4

Origin: Point of Symmetry

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22.7.76 *Saim.*