

1972 - 1973



72-09-22

# Calibration Certificate

## Wild Lens Cone / Camera

No. 15 UAg.II No. 3009

Type: KC 10

**Lens Cone / Camera**

Type:   
 No.: 15 Ag. II 3009  
 Format: 127 x 90"

**Lens**

**Calibration date:** 22.9.72

Type: universal - Aviogon II  
 No.: 3009  
 f = 152.82 mm  
 max. aperture: f/4

**Resolving Power (Lines per millimeter)**

High contrast and max. aperture f/4

Film: Agfa IP 15 blank

Glass plate:

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°
rad.	83	83	82	57	35	34	55	68	26	10			
tang.	83	75	64	55	52	45	56	56	35	27			

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: 152.82 mm

Radius	20	40	60	80	100	120	140	148
Distortion	0.000	+0.001	0.000	+0.001	+0.001	-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: 27.9.72

WILD HEERBRUGG  
 Limited Jam. 542

WILD UNIVERSAL-AVIODON II Lens Core 9" x 9" No. 15 UA g. II 3009 f = 152.82 mm

Distribution

f = 152.82

f = 152.82



Mean Radial Distribution Curve

WILD HEERBRUGG LTD  
22.9.72 Jim. Sk2

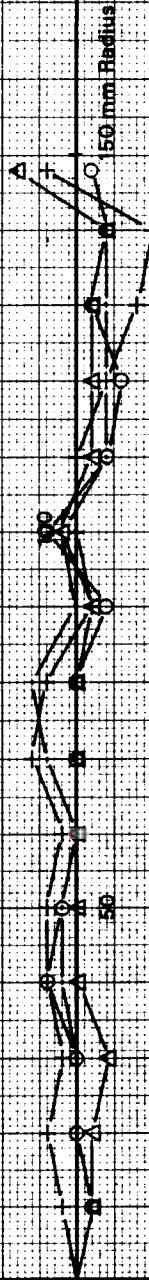
WILD UNIVERSAL - AVIOGON II Lens Cone 9" x 9" No. 15 UAg. II 3009 f = 152.82 mm

DIE ORIGIN

1-10 mm

10-7

- = 1
- + = 3
- △ = 2
- = 4



Origin: Point of Symmetry

WILD HEERBRUGG LTD  
22.9.72 Jam. 542

**Lens Cone/Camera****Lens****Calibration date:** 22.9.72

Type: RC 10

Type: Universal - Aviogon II

Format: 9" x 9"

No.: 3009

f = 152.82 mm

Coordinates (Origin: Fiducial Center) of

Point of best Symmetry (S):

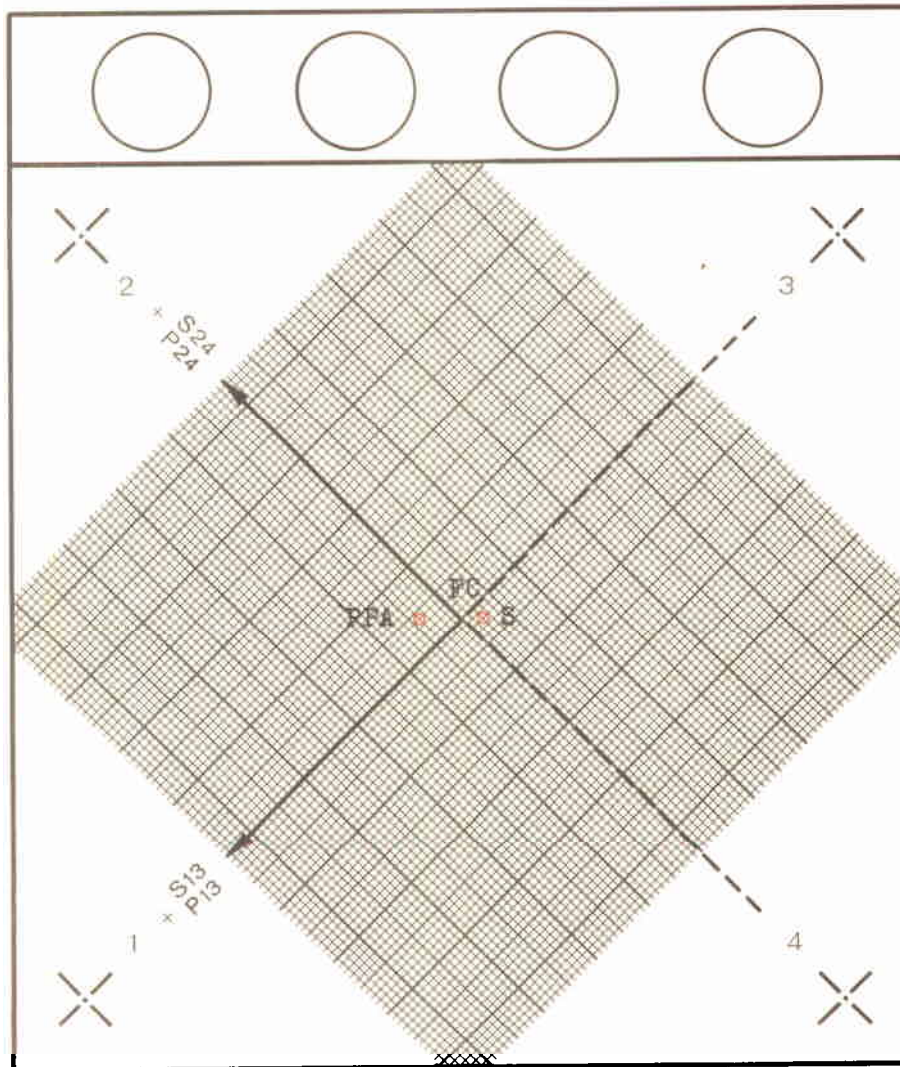
S13 = -2  $\mu\text{m}$  S24 = -2  $\mu\text{m}$ 

Principal Point of Autocollimation (PPA):

P13 = +4  $\mu\text{m}$  P24 = +4  $\mu\text{m}$ 

(Calibration without filter)

(Seen on Focal Plane Frame)



SCALE: 1000:1

Distances between Fiducial Marks in mm:

1 - 2 = 212.002

1 - 3 = 299.812

2 - 3 = 212.002

2 - 4 = 299.826

3 - 4 = 212.007

4 - 1 = 212.004

WILD HEERBRUGG LTD

*Jam. 542*