

## Calibration Certificate

8. 11. 1972

### Wild Lens Cone / ~~Camera~~

**No.** 15 UAg.II No. 3004

**Type:** RC 10

**Lens Cone / Camera**

Type: RC 10  
 No.: 15 UAg. II 3004  
 Format: 9" x 9"

**Lens**

**Calibration date:** 8.11.72

Type: Universal - Aviogon II  
 No.: 3004  
 f = 153.05 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	51	44	38	72	68	26	10			
tang.	83	83	80	70	52	55	62	44	28	24			

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: 153.05 mm

Radius	20	40	60	80	100	120	140	148
Distortion	+0.001	+0.002	+0.001	+0.001	0.000	-0.003	-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: 10.11.72

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 Limited *form. 542*

**Lens Cone/Camera****Lens****Calibration date:** 8.11.72

Type: RC 10

Type: Universal - Aviogon II

Format: 9" x 9"

No.: 3004       $f = 153.05$  mm

Coordinates (Origin: Fiducial Center) of

Point of best Symmetry (S):

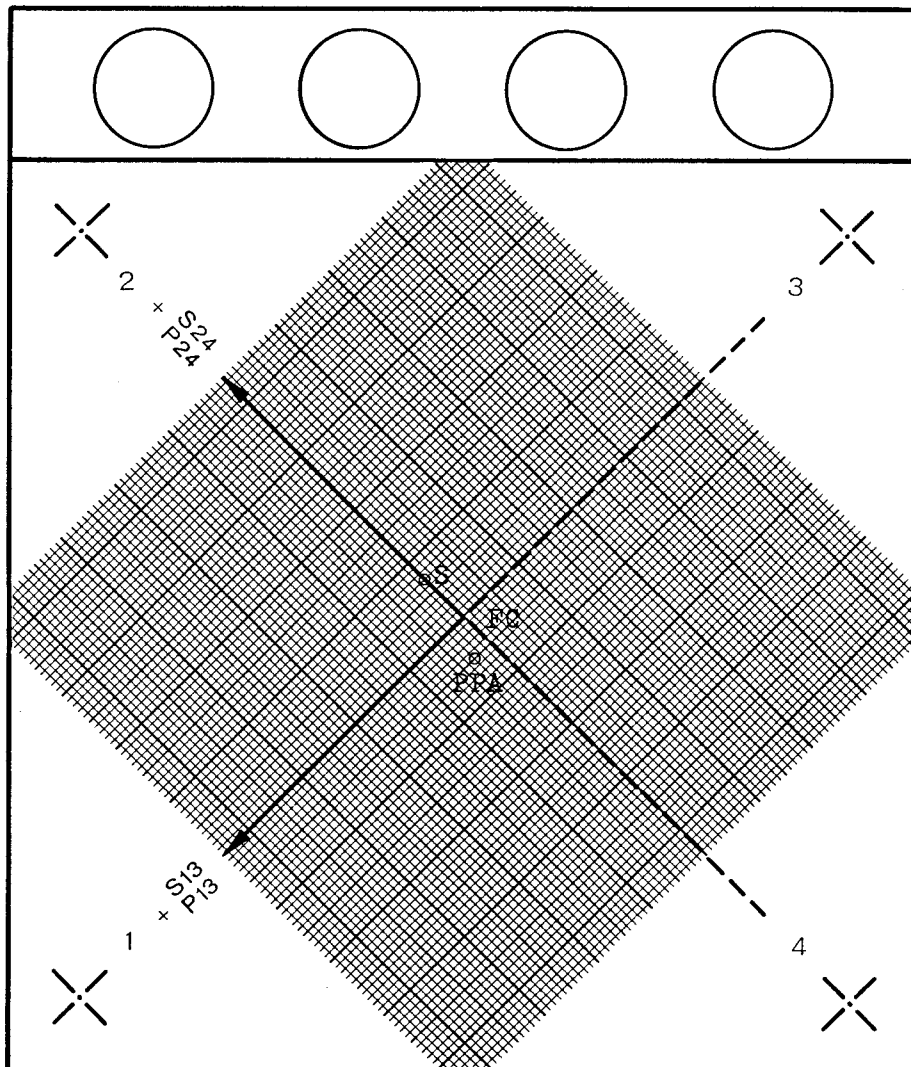
S13 = 0  $\mu\text{m}$     S24 = +7  $\mu\text{m}$ 

Principal Point of Autocollimation (PPA):

P13 = +3  $\mu\text{m}$     P24 = -5  $\mu\text{m}$ 

(Calibration without filter)

(Seen on Focal Plane Frame)



SCALE: 1000:1

Distances between Fiducial Marks in mm:

1 - 2 = 211.996

1 - 3 = 299.808

2 - 3 = 212.008

2 - 4 = 299.821

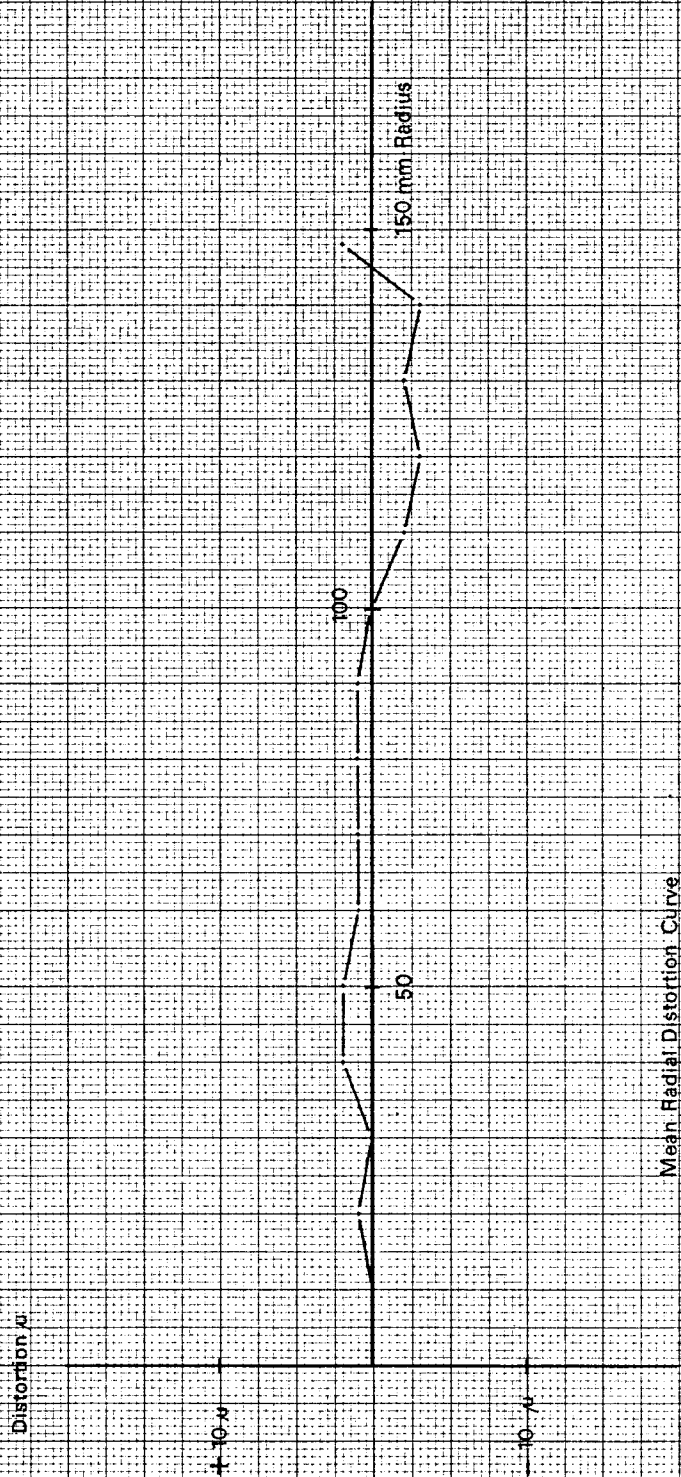
3 - 4 = 212.001

4 - 1 = 212.002

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*Jim. 542*

WILD UNIVERSAL-AVIAGON II Lens Cone 9" x 9" No. 15 UAg.II 3004 f = 153.05 mm

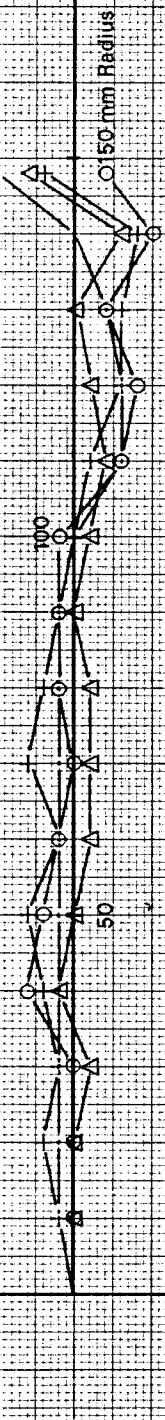


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8.11.72 *Jain SK2*

WILD UNIVERSAL-AVIAGON II Lens Cone 9" x 9" No. 15 UA9.II 3004 f = 153.05 mm

Distortion %

- = 1
- + = 3
- Δ = 2
- = 4



Origin: Point of Symmetry

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