

## Calibration Certificate

8.2.1971

### Wild Lens Cone / Camera

**No.** 15 Ag. 174

**Type:** RC5/RC8

This calibration certificate replaces the  
previous certificate issued on 11.2.70

**Lens Cone / Camera**

Type: RC5/RC8  
 No.: 15 Ag. 174  
 Format: 9" x 9"

**Lens**

Type: Aviogon  
 No.: 174  
 f = 152.03 mm  
 max. aperture: f:5.6

**Calibration date:** 8.2.71

**Resolving Power (Lines per millimeter)**

High contrast and max. aperture f:5.6

Film: Agfa IP 15 blank

Glass plate:

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°
rad.	53	53	52	51	55	43	51	49	20	7			
tang.	53	53	51	49	47	49	44	40	31	15			

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: 152.03 mm

Radius	20	40	60	80	100	120	140	148
Distortion	+0.005	+0.008	+0.006	0.000	-0.005	-0.008	-0.001	+0.010

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

Date of Dispatch: 22.2.71

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 Limited *Jain. 542*

**Lens Cone/Camera**

**Lens**

**Calibration date:** 8.2.71

Type: RC5/RC8

Type: Aviogon

Format: 9" x 9"

No.: 15 Ag. 174 f = 152.03 mm

Coordinates (Origin: Fiducial Center) of

Point of best Symmetry (S):

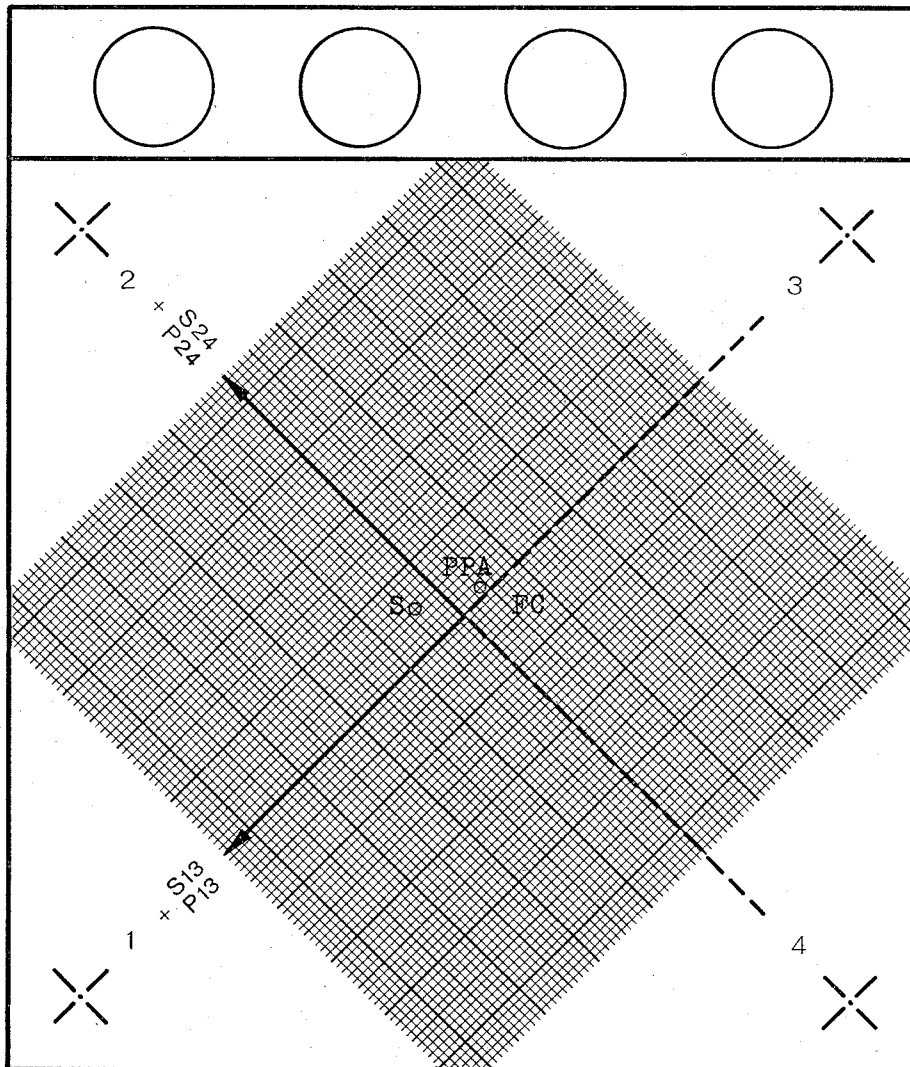
S13 = +4  $\mu$ m S24 = +5  $\mu$ m

Principal Point of Autocollimation (PPA):

P13 = -4  $\mu$ m P24 = +1  $\mu$ m

(Calibration without filter)

(Seen on Focal Plane Frame)



SCALE: 1000:1

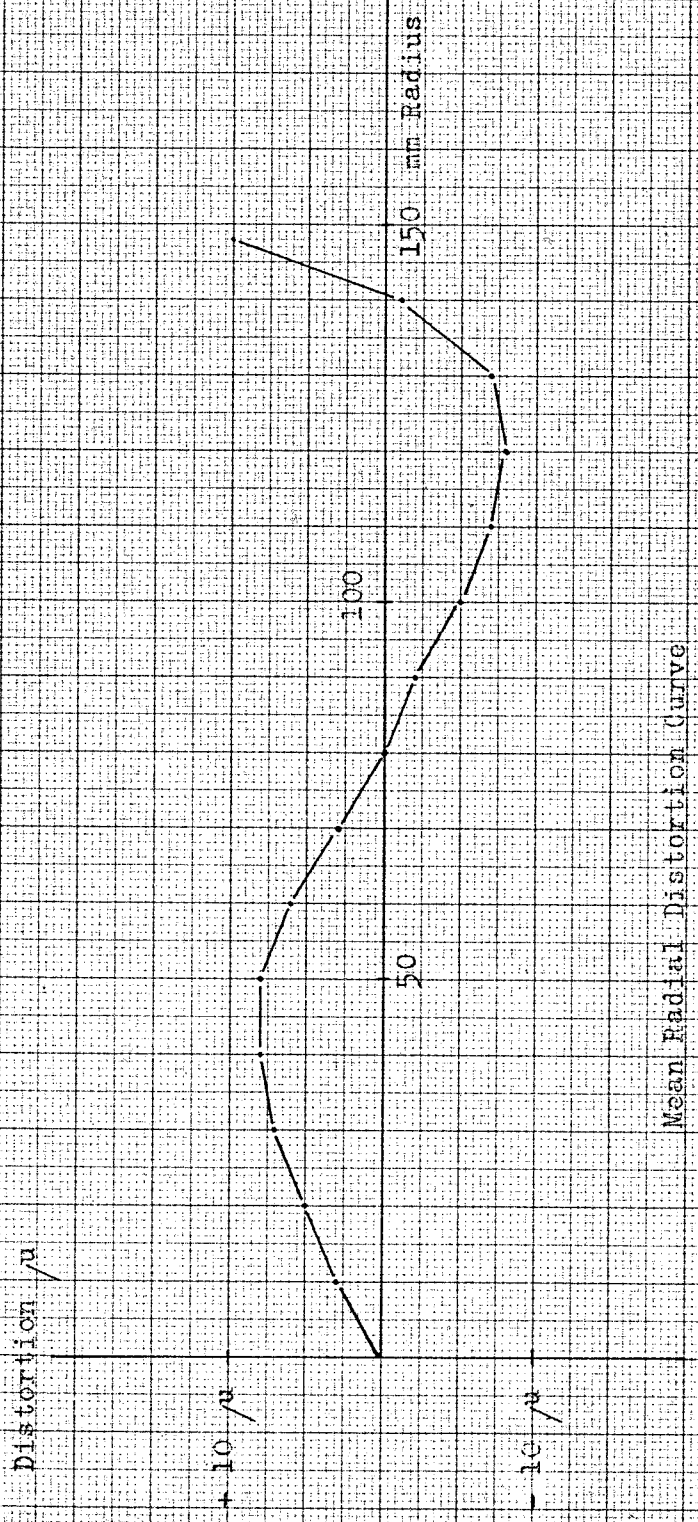
Distances between Fiducial Marks in mm:

- 1 - 2 = 211.999      1 - 3 = 299.824
- 2 - 3 = 212.000      2 - 4 = 299.815
- 3 - 4 = 212.008
- 4 - 1 = 212.009

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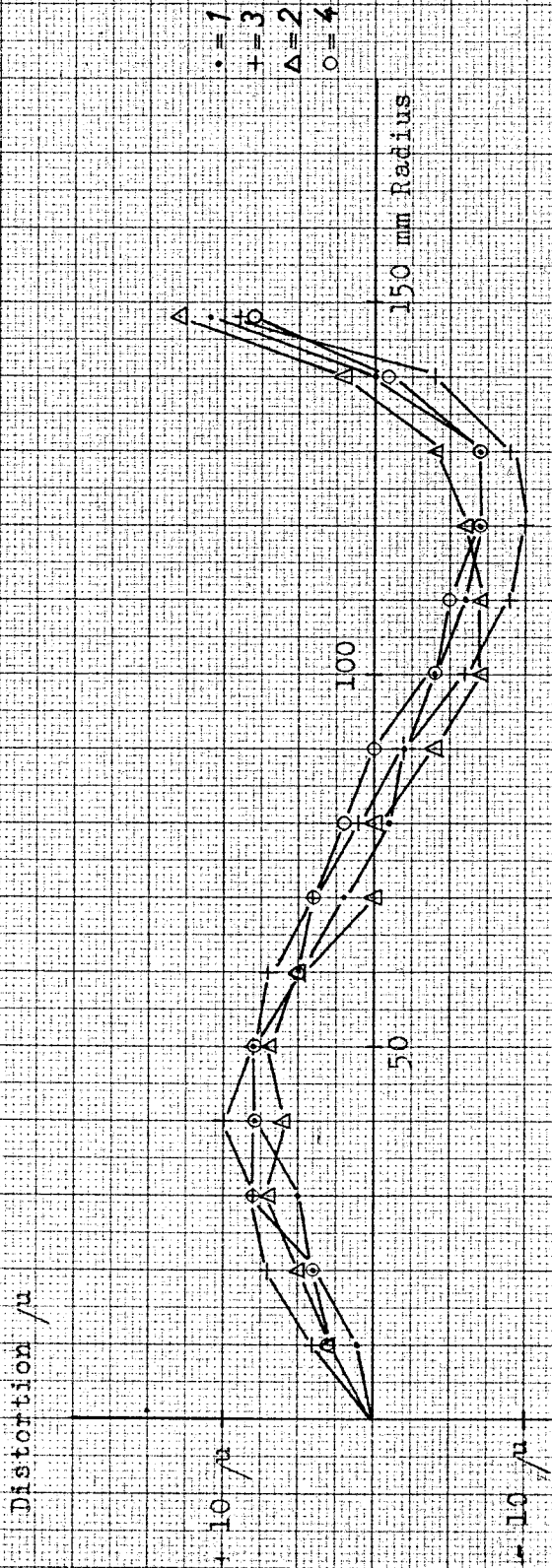
*Jam. 542*

WILD AVIOGON Lens Cone 9" x 9" No. 15 AG. 174  $f = 152.03$  mm



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WILD AVIOGON lens Cone 9" x 9" No. 15 Ag. 174  $f = 152.03$  mm



Origin: Point of Symmetry

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