

## Calibration Certificate

### Wild Lens Cone / Camera

**No.** 15 UAg. 1056

**Type:** RC 10

### Lens Cone / Camera

Type: RC 10  
 No.: 15 UAg. 1056  
 Format: 9" x 9"

### Lens Calibration date: 5.6.72

Type: Universal - Aviogon  
 No.: 1056  
 f = 152.25 mm  
 max. aperture: f:5.6

### 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	38	51	49	24	7			
tang.	53	53	51	49	47	49	44	40	35	19			

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: 152.25 mm

Radius	20	40	60	80	100	120	140	148
Distortion	+0.004	+0.007	+0.007	+0.004	-0.004	-0.007	-0.001	+0.005

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

Date of Dispatch: 8.6.72

WILD HEERBRUGG  
 Limited Jim. 542

**Lens Cone/Camera****Lens****Calibration date:** 5.6.72

Type: RC 10

Type: Universal - Aviogon

Format: 9" x 9"

No.: 15 UAg. 1056f = 152.25 mm

Coordinates (Origin: Fiducial Center) of

Point of best Symmetry (S):

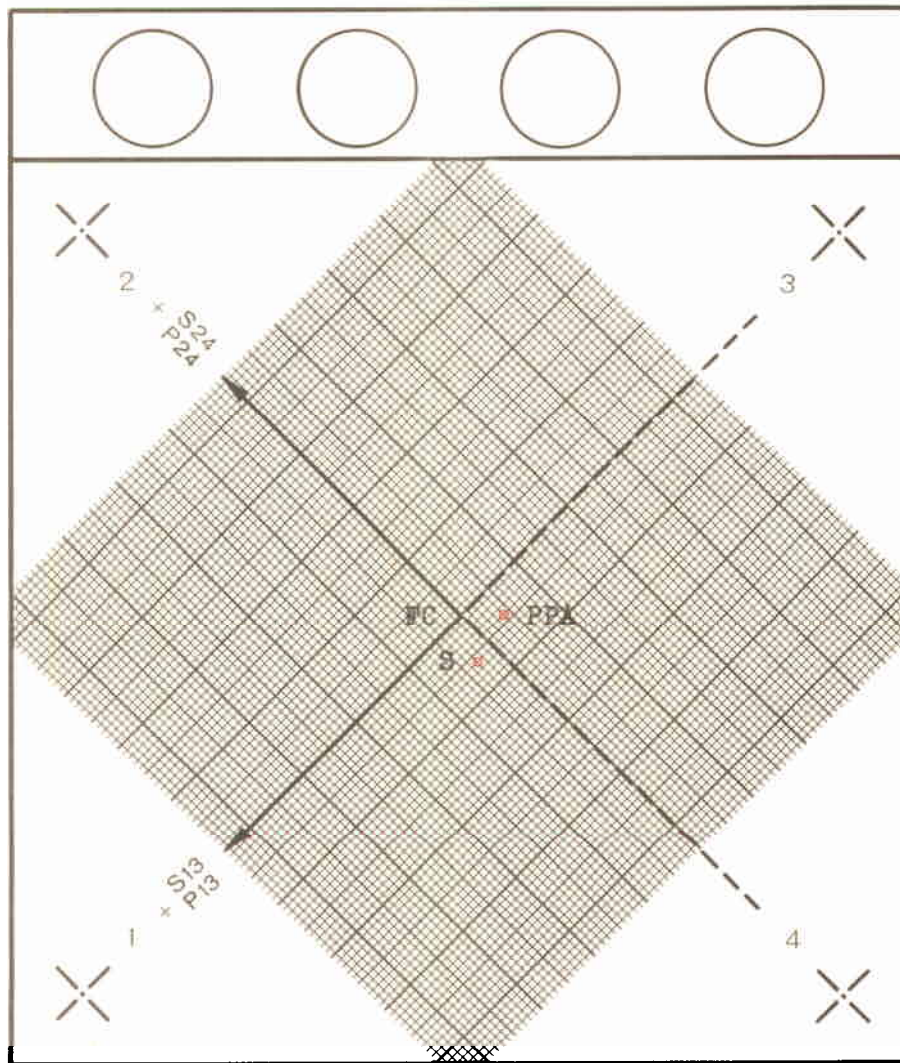
S13 = +3  $\mu\text{m}$  S24 = -6  $\mu\text{m}$ 

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 = 212.004

1 - 3 = 299.816

2 - 3 = 212.001

2 - 4 = 299.818

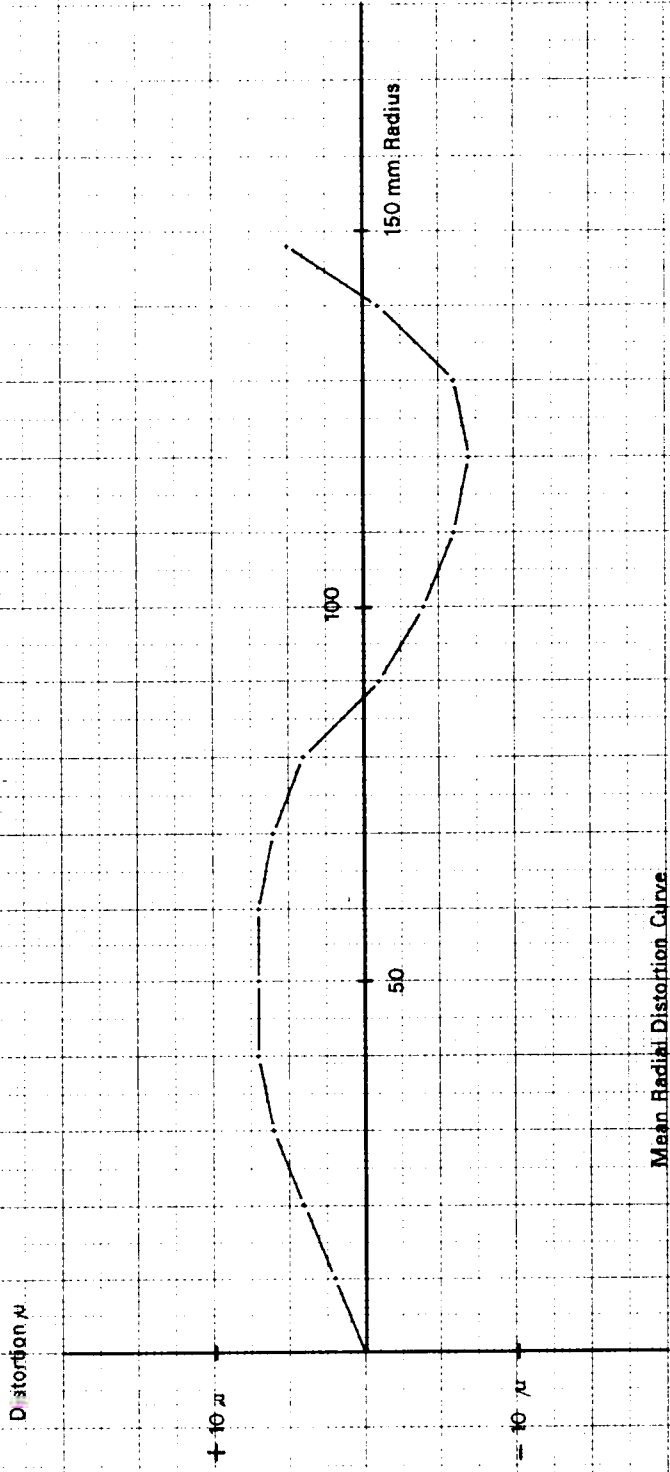
3 - 4 = 212.002

4 - 1 = 212.004

WILD HEERBRUGG LTD

*Jimm. 542*

WILD UNIVERSAL - AVIDOGON Lens Core 9" x 9" No. 15 UA9.1056 f = 152.25 mm

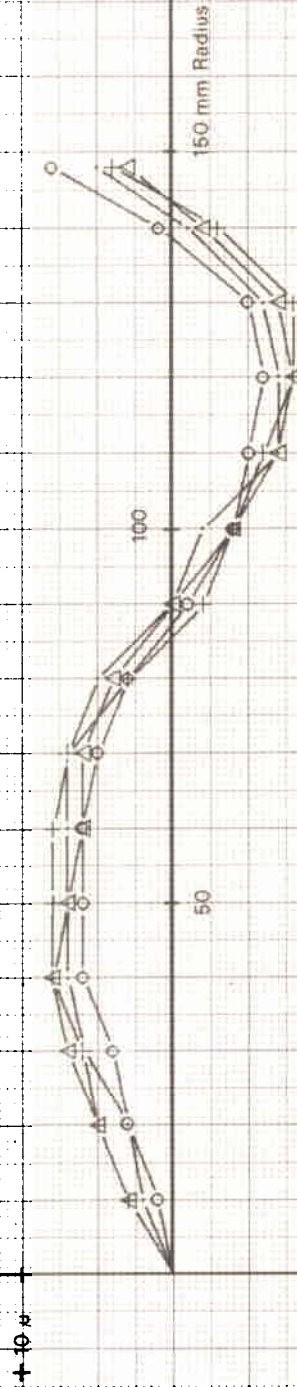


WILD HEERBRUGG LTD  
5.6.72 *Jim. 542*

WILD UNIVERSAL - AVIOGON Lens Cone 9" x 9" No. 15 UA9.1056 f = 152.25 mm

Distortion  $\mu$

- = 1
- + = 3
- Δ = 2
- = 4



Origin: Point of Symmetry

WILD HEERBRUGG LTD  
5.6.72 Jim. 542