

Till Wild 19/10-72

70-07-02

Calibration Certificate

Wild Lens Cone / Camera

No. 15 118. 1.12

Type: 15 118

Lens Cone / Camera

Type: **1000**
 No.: **1000000.1012**
 Format: **1000000**

Lens

Calibration date: 2.7.70

Type: **Universal - Aviogon**
 No.: **1012**
 f = **151.40 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	50	48	51	49	20	7			
tang.	53	53	51	49	48	46	43	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: **151.40 mm**

Radius	20	40	60	80	100	120	140	148
Distortion	+0.003	+0.005	+0.005	+0.001	-0.004	-0.005	0.000	+0.009

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

Date of Dispatch: **2.7.70**

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 Limited

Lens Cone/Camera**Lens****Calibration date:** 2.7.70

Type: RC 10

Type: Universal - Aviogon

Format: 9" x 9"

No.: 15 UAg. 1012f = 151.40 mm

Coordinates (Origin: Fiducial Center) of

Point of best Symmetry (S):

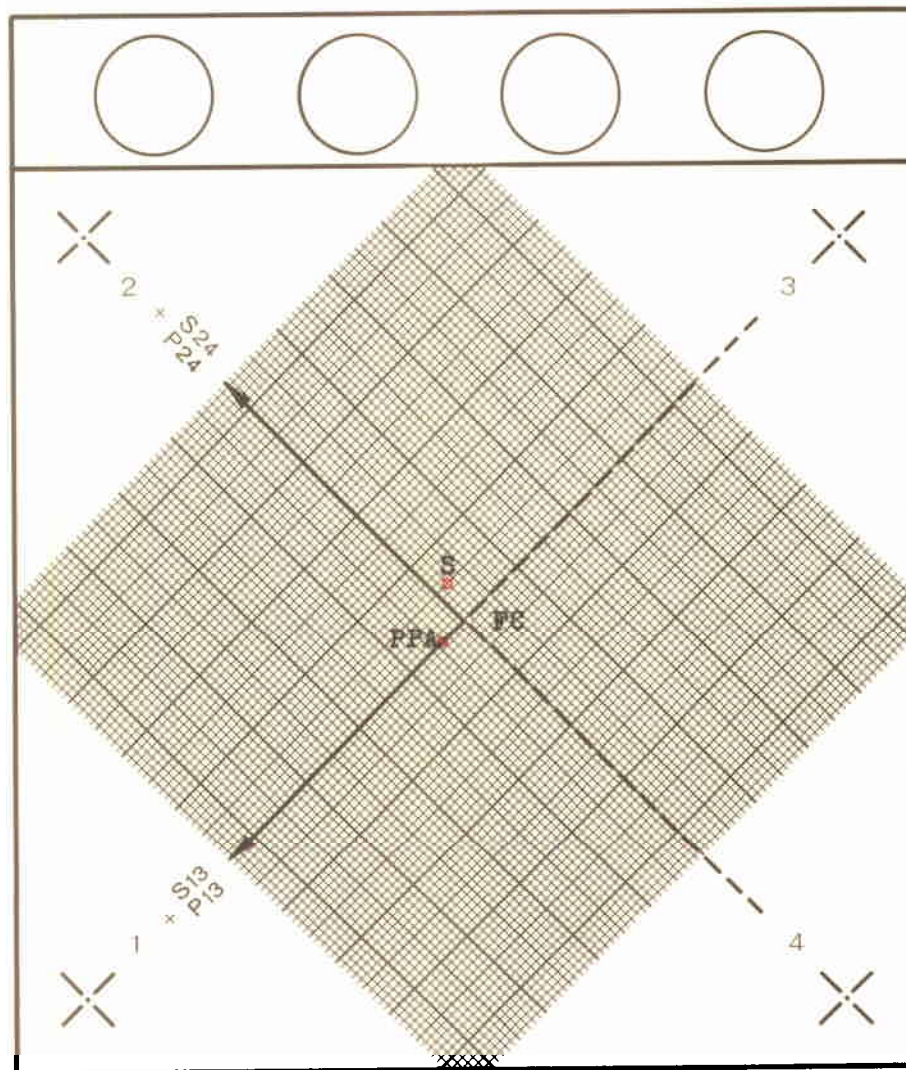
S13 = -2 μ m S24 = +5 μ m

Principal Point of Autocollimation (PPA):

P13 = +4 μ m P24 = 0 μ m

(Calibration without filter)

(Seen on Focal Plane Frame)



SCALE: 1000:1

Distances between Fiducial Marks in mm :

1 - 2 = 212.012

1 - 3 = 299.825

2 - 3 = 212.011

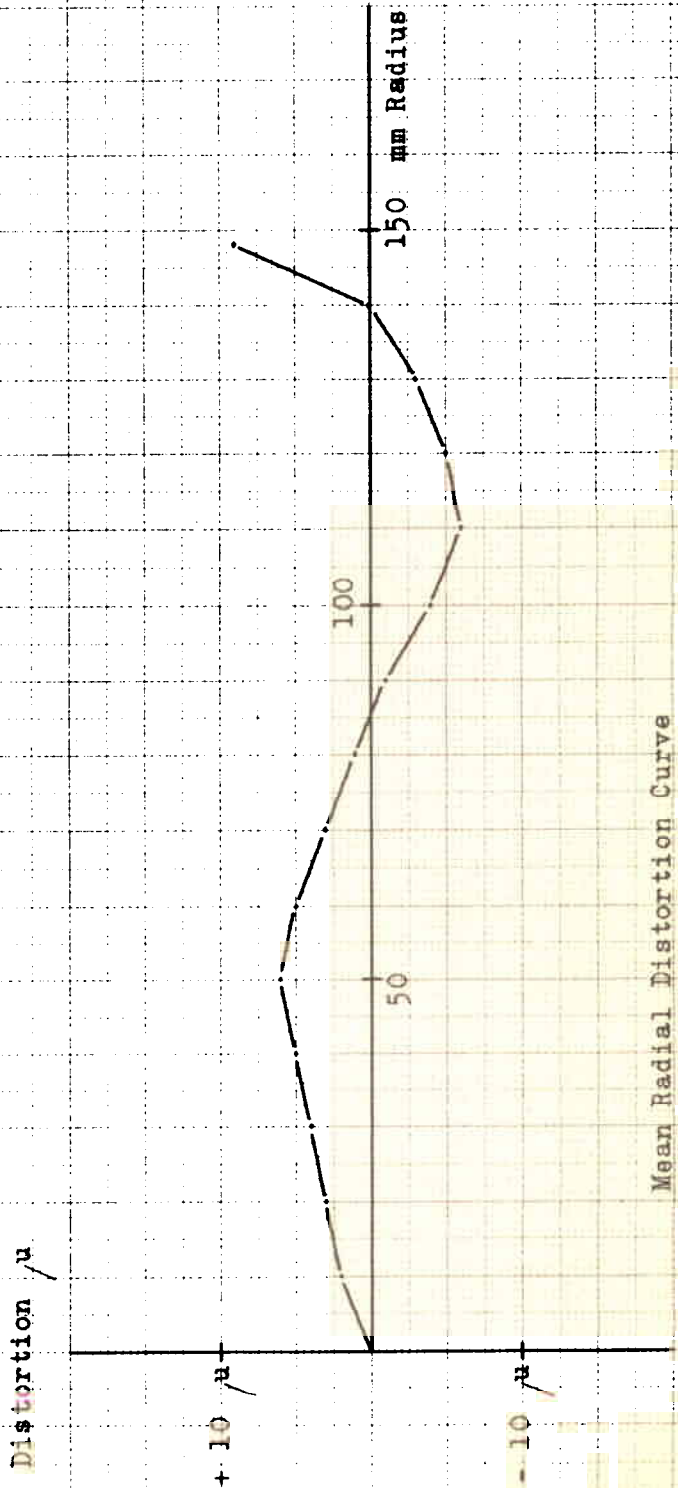
2 - 4 = 299.831

3 - 4 = 212.010

4 - 1 = 212.008

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Mean Radial Distortion Curve

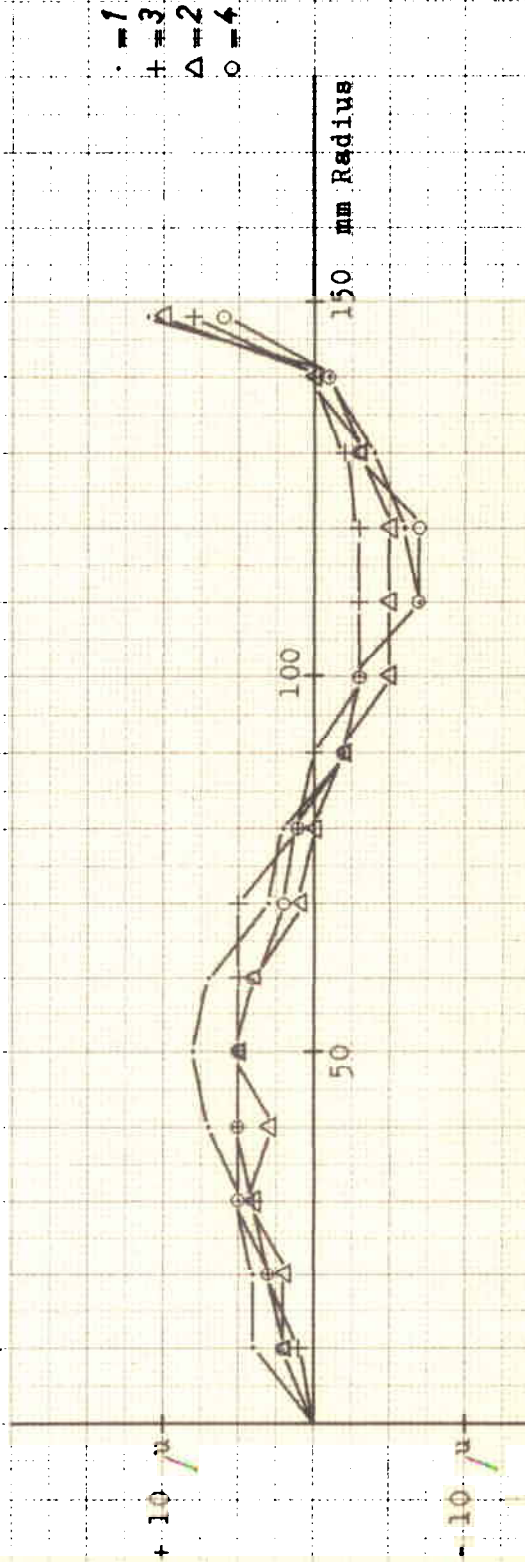
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Handwritten initials

WILD UNIVERSAL - AVIOGON Lens Cone 9" x 9" No. 15 UAG, 1012 f = 151.40 mm

Distortion u



Origin: Point of Symmetry

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