

Calibration Certificate

11. 2. 1970

Wild Lens Cone / ~~Camera~~

No. 15 Ag. 174

Type: RC5/RC8

This calibration certificate replaces the
previous certificate issued on 2.2.66

Lens Cone / Camera

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

Lens

Calibration date: 11.2.70

Type: Aviogon
 No.: 174
 f = 152.03 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	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	+0.007	+0.004	-0.001	-0.005	-0.008	+0.002	+0.012

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

Date of Dispatch: 17.2.70

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Lens Cone/Camera

Lens

Calibration date: 11.2.70

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):

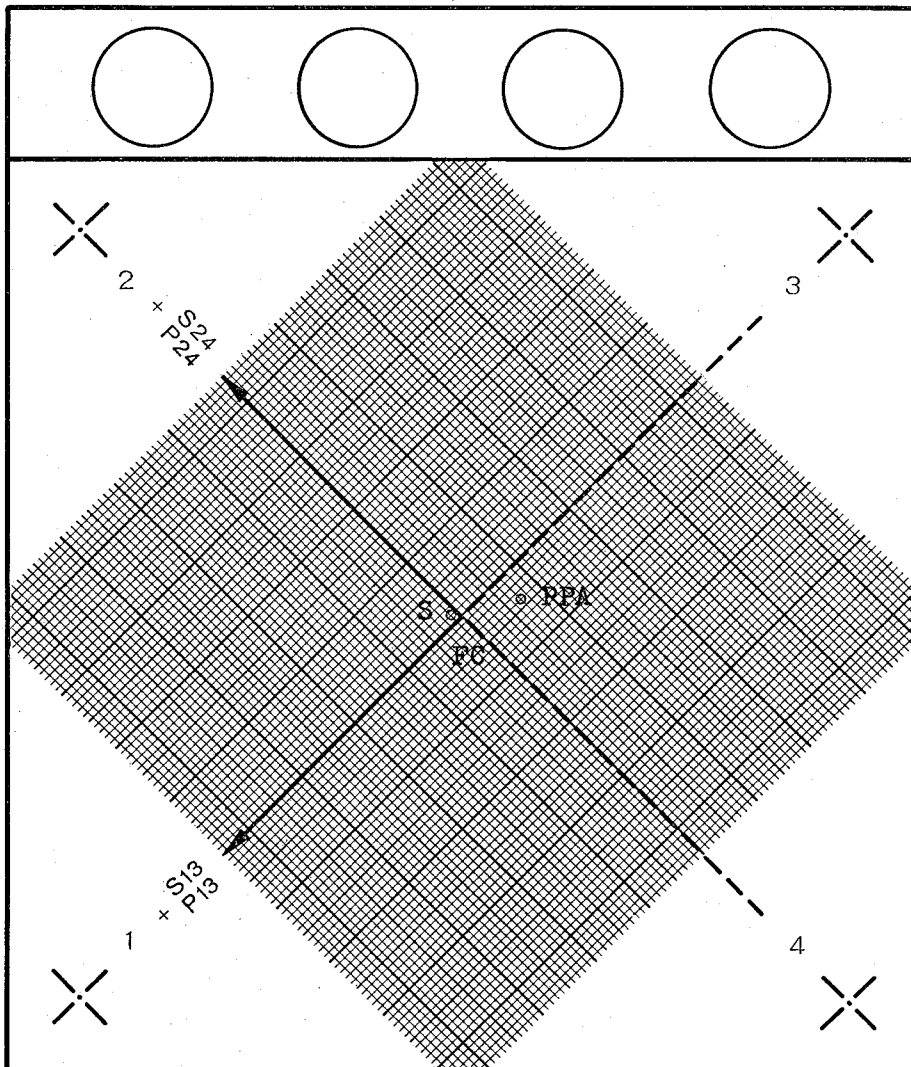
S13 = +1 μm S24 = +1 μm

Principal Point of Autocollimation (PPA):

P13 = -7 μm P24 = -4 μm

(Calibration without filter)

(Seen on Focal Plane Frame)



SCALE: 1000:1

Distances between Fiducial Marks in mm:

1 - 2 = 212.001

1 - 3 = 299.819

2 - 3 = 212.000

2 - 4 = 299.816

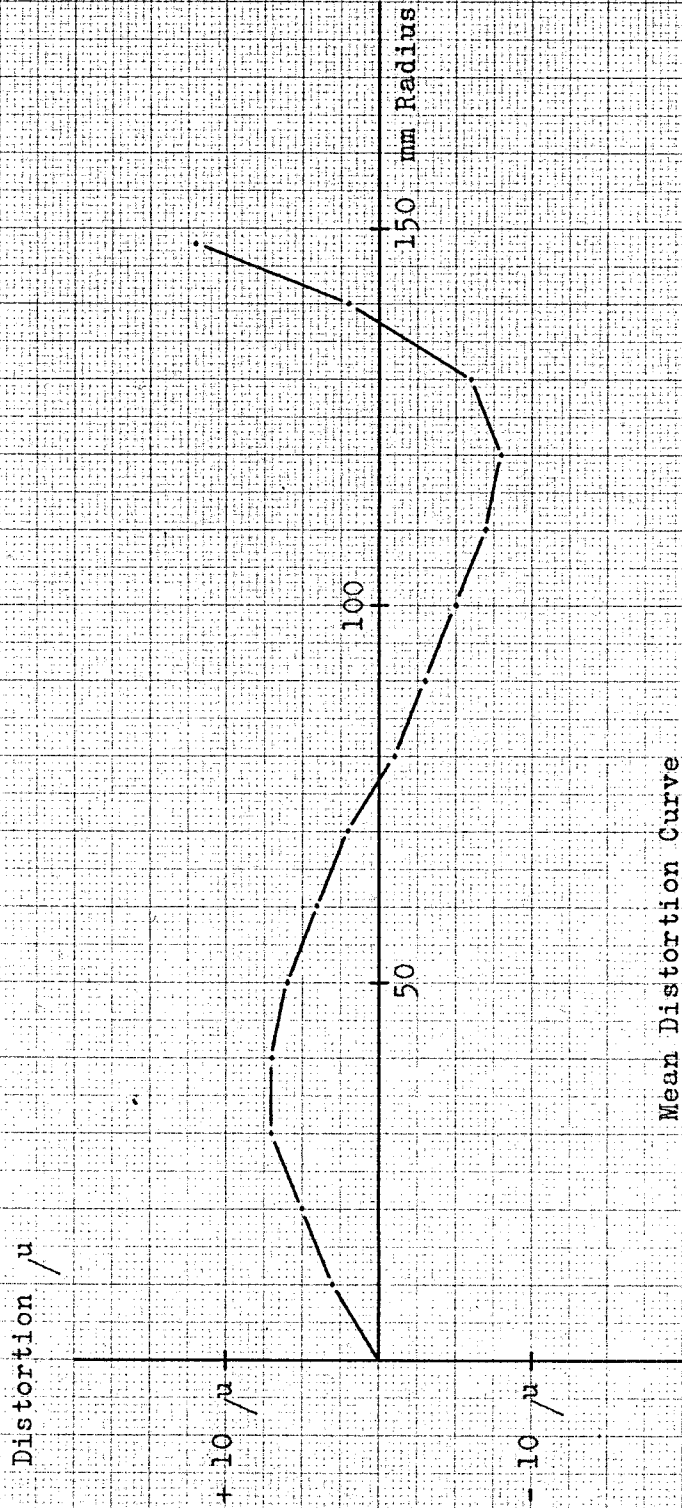
3 - 4 = 212.001

4 - 1 = 212.009

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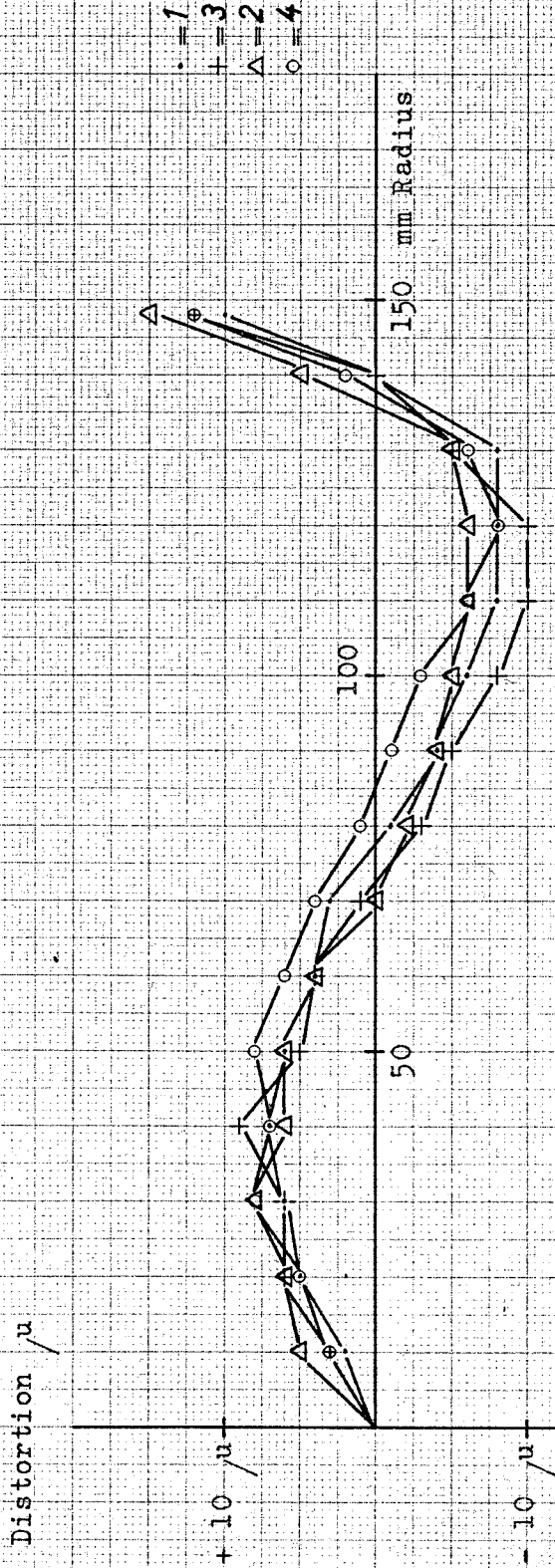
WILD AVIOGON Lens Cone 9" x 9" No. 15 Ag. 174 f = 152.03 mm



Mean Distortion Curve

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



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