

6. JUL. 1972

Calibration Certificate

Wild Lens Cone / ~~Camera~~

No. 15 UAg. 1061

Type: RC 10

Lens Cone / Camera

Type: RC 10
No.: 15 UAg. 1061
Format: 9" x 9"

Lens Calibration date: 6.7.72

Type: Universal - Aviogon
No.: 1061
f = 152.10 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	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: 152.10 mm

Radius	20	40	60	80	100	120	140	148
Distortion	+0.004	+0.006	+0.005	+0.001	-0.005	-0.007	+0.002	+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: 19.7.72

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Limited *g.l.m. 542*

Lens Cone/Camera**Lens****Calibration date:** 6.7.72

Type: RC 10

Type: Universal - Aviogon

Format: 9" x 9"

No.: 15 UAg.1061 $f = 152.10$ mm

Coordinates (Origin: Fiducial Center) of

Point of best Symmetry (S):

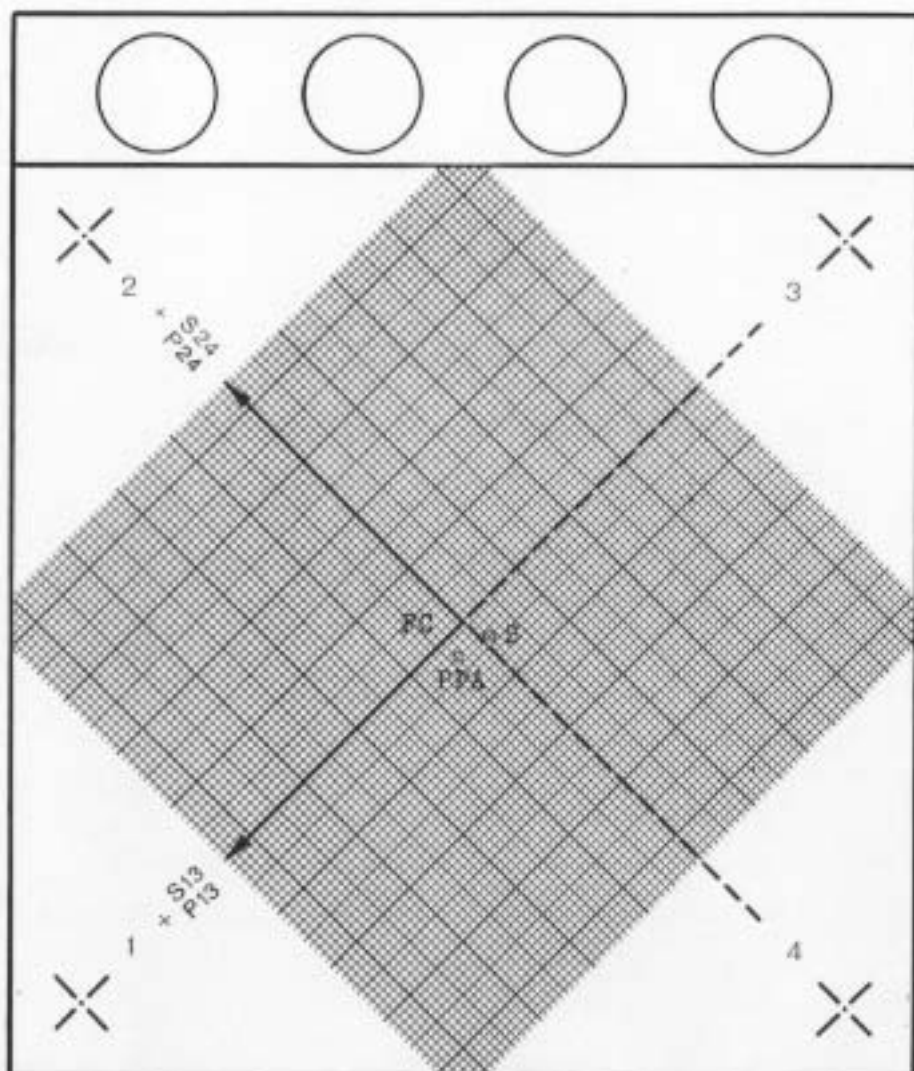
S13 = $-1 \mu\text{m}$ S24 = $-4 \mu\text{m}$

Principal Point of Autocollimation (PPA):

P13 = $+4 \mu\text{m}$ P24 = $-3 \mu\text{m}$

(Calibration without filter)

(Seen on Focal Plane Frame)



SCALE: 1000:1

Distances between Fiducial Marks in mm:

1 - 2 = 212.004

1 - 3 = 299.817

2 - 3 = 212.002

2 - 4 = 299.817

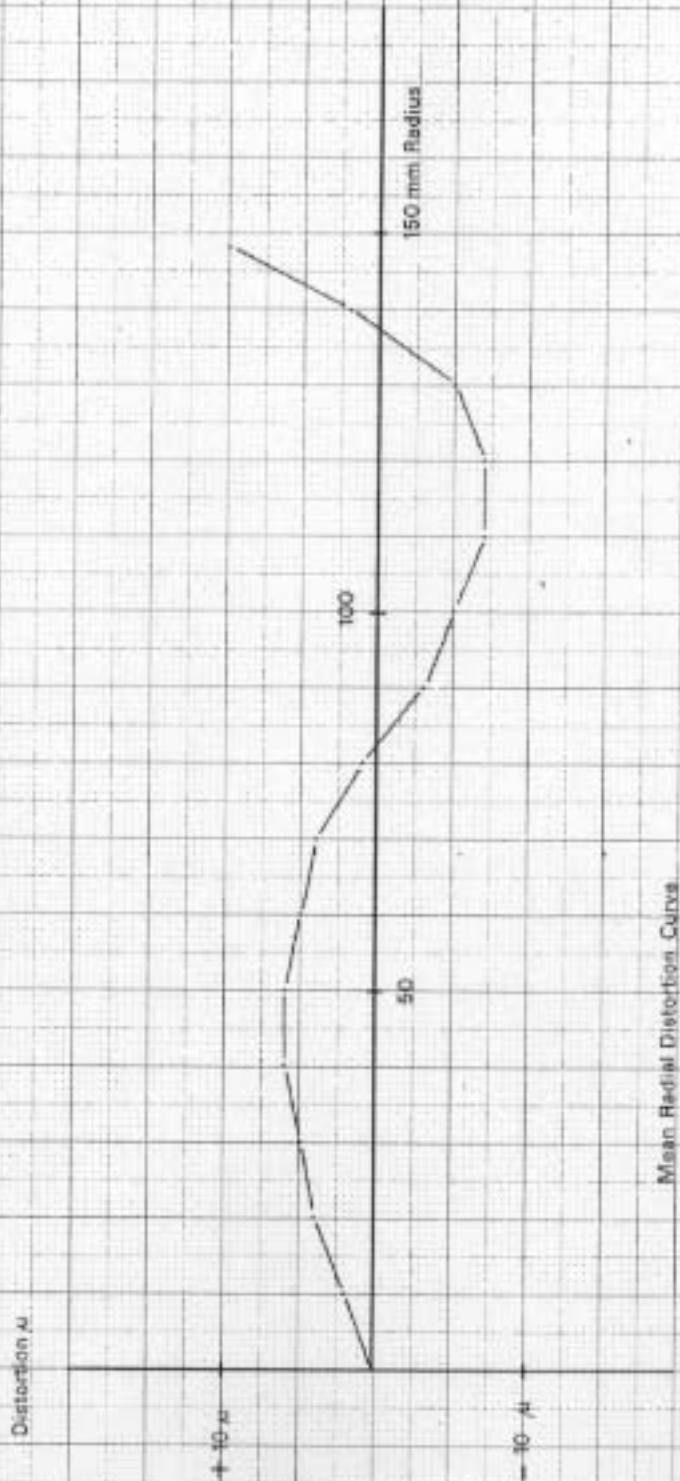
3 - 4 = 212.000

4 - 1 = 212.006

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Jim 542

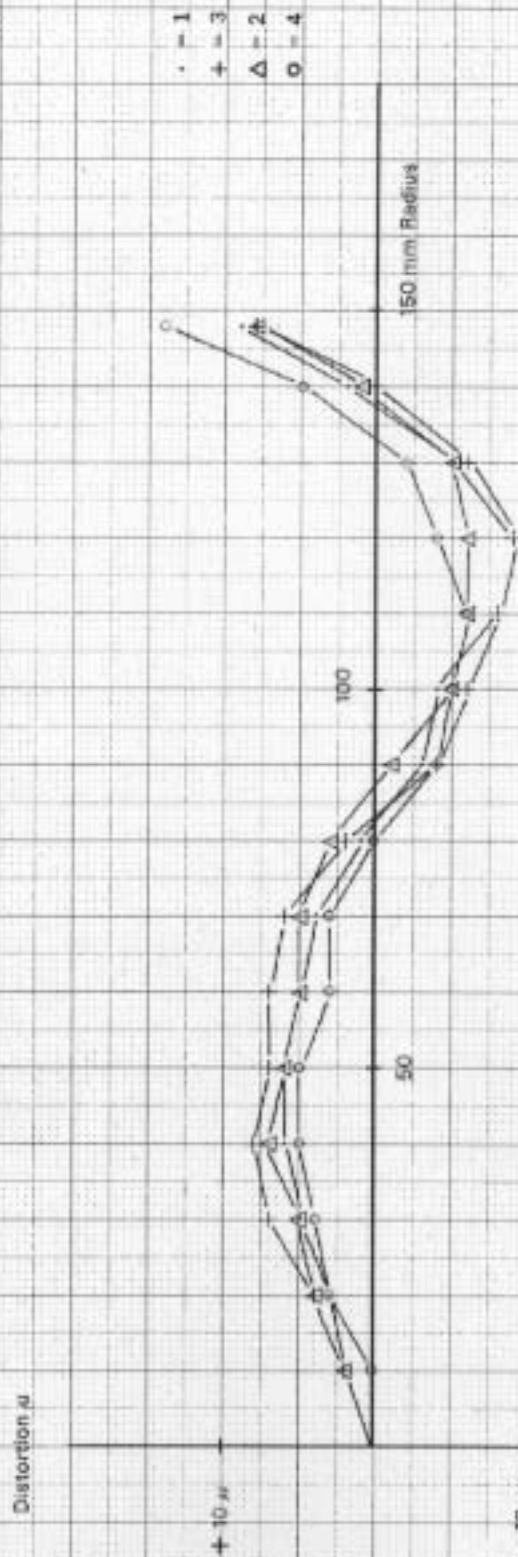
WILD UNIVERSAL - AVIOGON Lens Core 9" x 9" No. 15 UAg. 1061 f = 152.10 mm



Mean Radial Distortion Curve

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WILD UNIVERSAL-AVIAGON Lens Cone 9" x 9" No. 15 UAg. 1061 f = 152.10 mm



Origin Point of Symmetry

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