

Calibration Certificate

Wild Lens Cone / ~~Camera~~

No. 15 UAg. 481

Type: RC5/RC8

This calibration certificate replaces the
previous certificate issued on 9.3.70

Lens Cone / Camera

Type: RC5/RC8
 No.: 15 UAg. 481
 Format: 9" x 9"

Lens

Calibration date: 28.2.74

Type: Universal - Aviogon
 No.: 481
 f = 151.95 mm
 max. aperture: f/5.6

Resolving Power (Lines per millimeter)

High contrast and max. aperture f/5.6

Film: Agfapan 25 Professional

Glass plate:

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°
rad.	53	53	52	51	55	43	51	49	26	8			
tang.	53	53	51	49	52	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: 151.95 mm

Radius	20	40	60	80	100	120	140	148
Distortion	+0.004	+0.007	+0.005	0.000	-0.004	-0.007	+0.001	+0.012

The displacement of the principal point of autocollimation from the intersection of the diagonals (fiducial center) is within 0.015 mm.

Date of Dispatch: 8.3.74

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Lens Cone/Camera**Lens****Calibration date:** 28.2.74

Type: RC5/RC8

Type: Universal - Aviogon

Format: 9" x 9"

No.:15 UAg. 481 f = 151.95 mm

Coordinates (Origin: Fiducial Center) of

Point of best Symmetry (S):

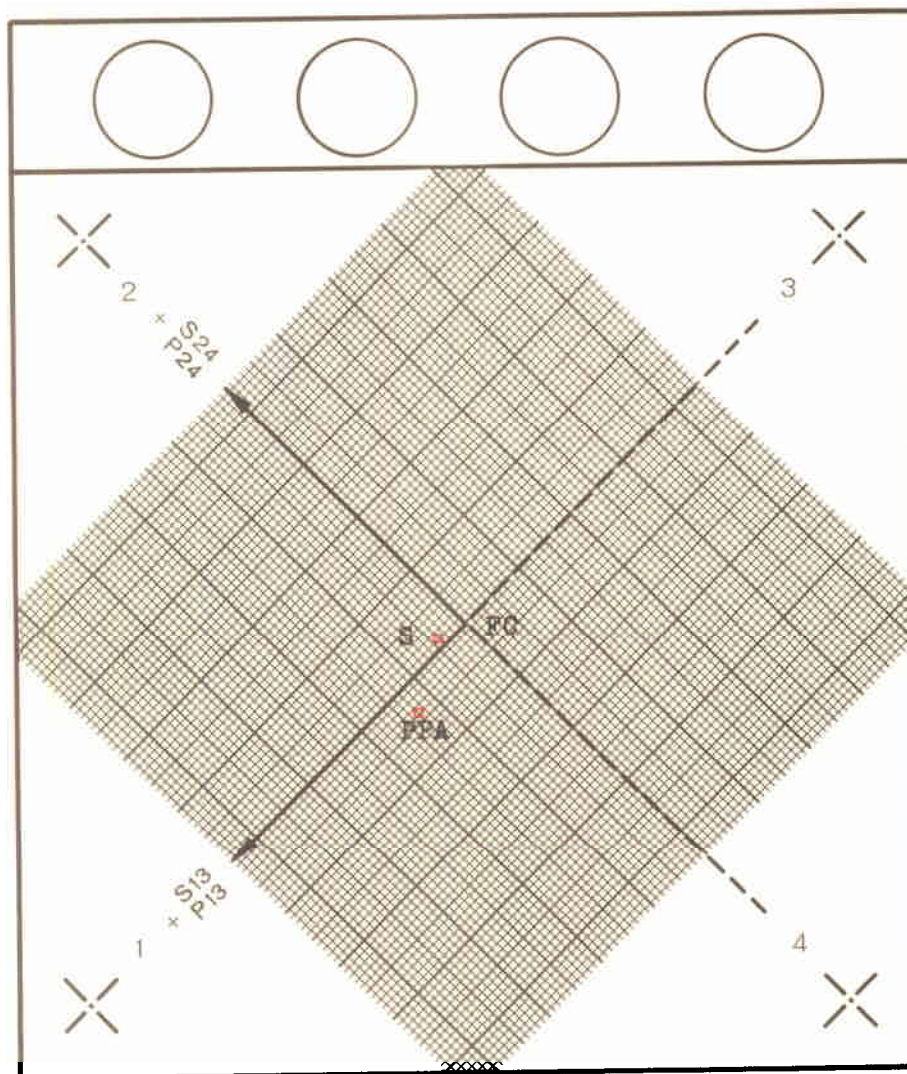
S13 = 4 μ m S24 = 1 μ m

Principal Point of Autocollimation (PPA):

P13 = 13 μ m P24 = -4 μ m

(Calibration without filter)

(Seen on Focal Plane Frame)



SCALE: 1000 : 1

Distances between Fiducial Marks in mm:

1 - 2 = 212.006

1 - 3 = 299.838

2 - 3 = 212.003

2 - 4 = 299.819

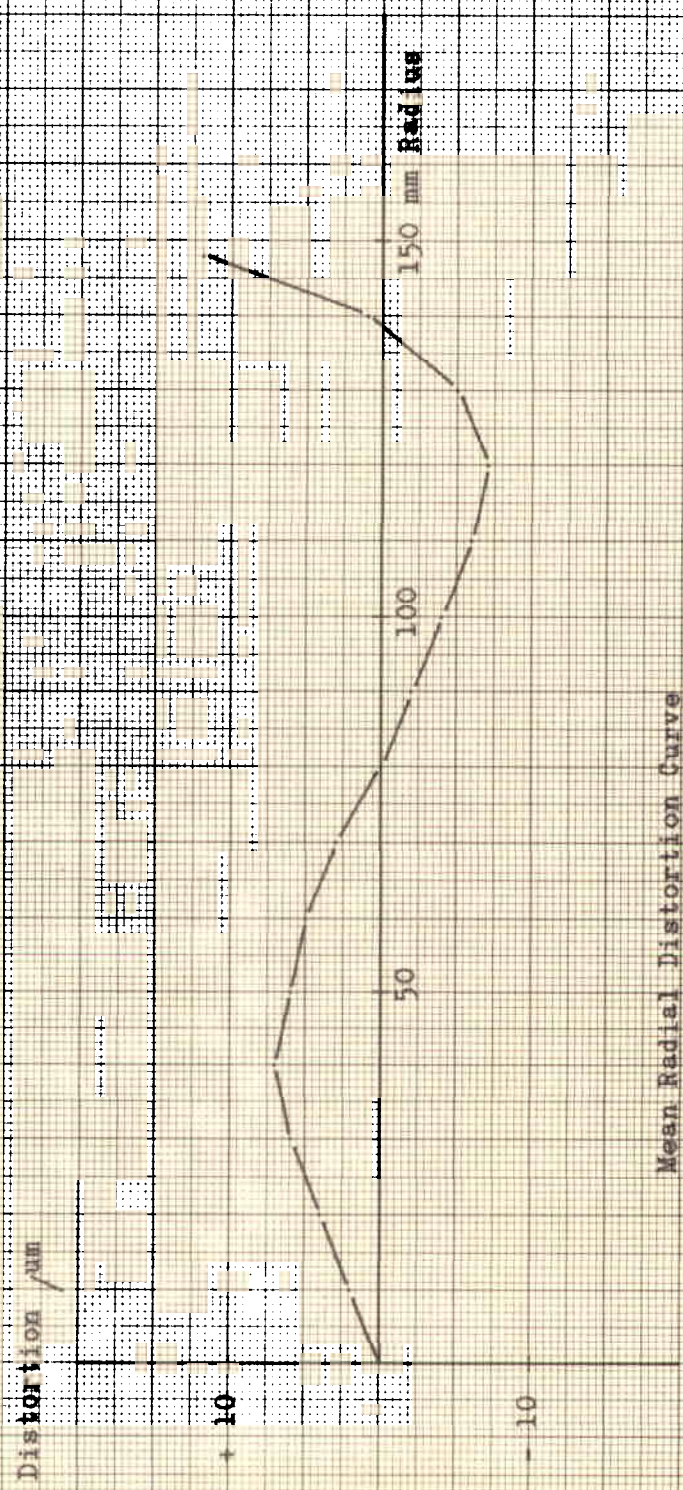
3 - 4 = 212.014

4 - 1 = 212.020

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WILD UNIVERSAL - AVIOCON Lens Cone 9" x 9" No. 15 UAg. 481 f = 151.05 mm



Mean Radial Distortion Curve

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28.2.74