

28. 2. 1974



Calibration Certificate

Wild Lens Cone / ~~Camera~~

No. 30 At. II 4001

Type: RC 10

Lens Cone / Camera

Type: RC 10
 No.: 30 At. II 4001
 Format: 9" x 9"

Lens

Calibration date: 28.2.74

Type: Aviotar II
 No.: 4001
 $f = P.D.(850 \text{ m}) = 302.86 \text{ mm}$
 max. aperture: $f/4$

Resolving Power (Lines per millimeter)

High contrast and max. aperture $f/4$
 Foc. 850 m

Film: Agfapan 25 Professional
 Glass plate:

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°
rad.	84	75	59	29	35	43							
tang.	84	74	41	39	24	39							

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: ~~Principal Distance (850 m) : 302.86 mm~~

Radius	20	40	60	80	100	120	140	148
Distortion	-0.001	-0.001	0.000	+0.002	+0.002	-0.002	-0.002	+0.004

The displacement of the principal point of autocollimation from the intersection of the diagonals (fiducial center) is within 0.05 mm.

Date of Dispatch: 5.3.74

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Co.

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

Type: RC 10

Type: 30 Aviotar II

Format: 9" x 9"

No.: 4001

f = mm

Coordinates (Origin: Fiducial Center) of

P.D. (850 m) = 302.86 mm

Point of best Symmetry (S):

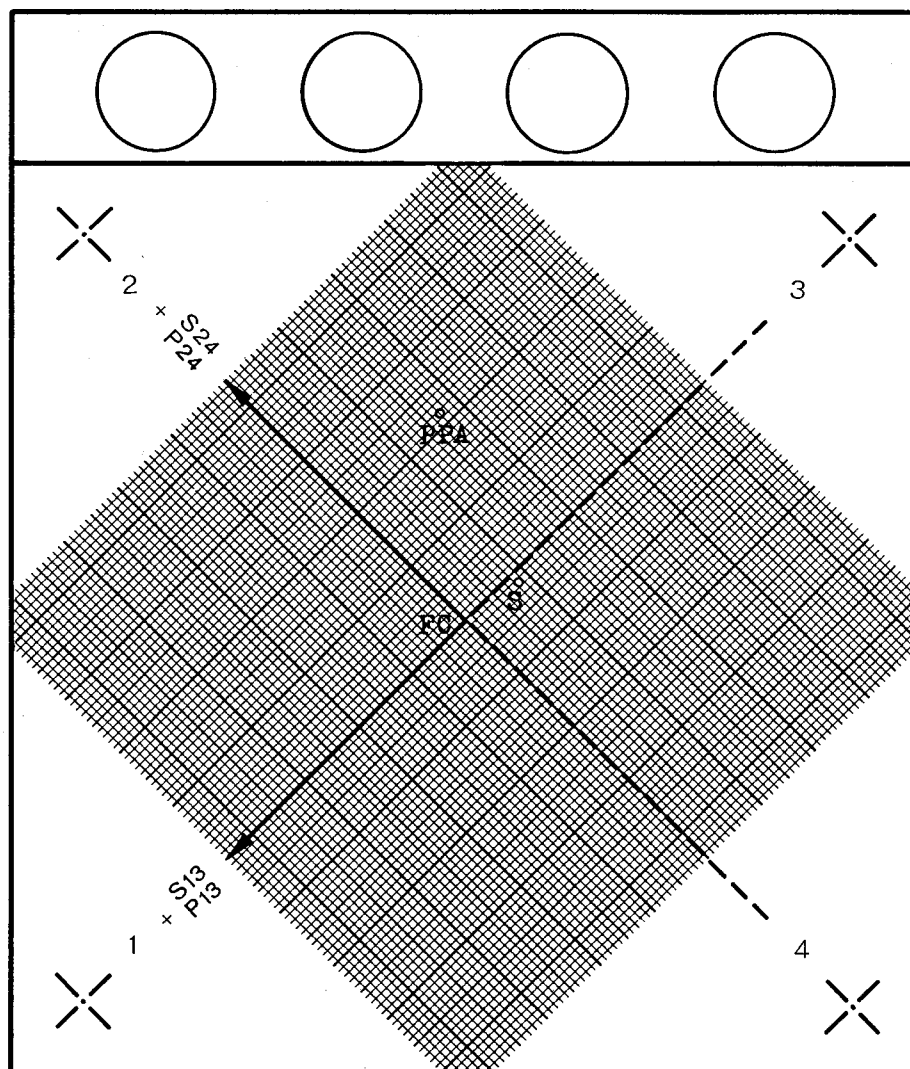
S13 = -17 μ m S24 = -3 μ m

Principal Point of Autocollimation (PPA):

P13 = -34 μ m P24 = 43 μ m

(Calibration without filter)

(Seen on Focal Plane Frame)



SCALE: 500 : 1

Distances between Fiducial Marks in mm:

1 - 2 = 212.011

1 - 3 = 299.832

2 - 3 = 212.015

2 - 4 = 299.818

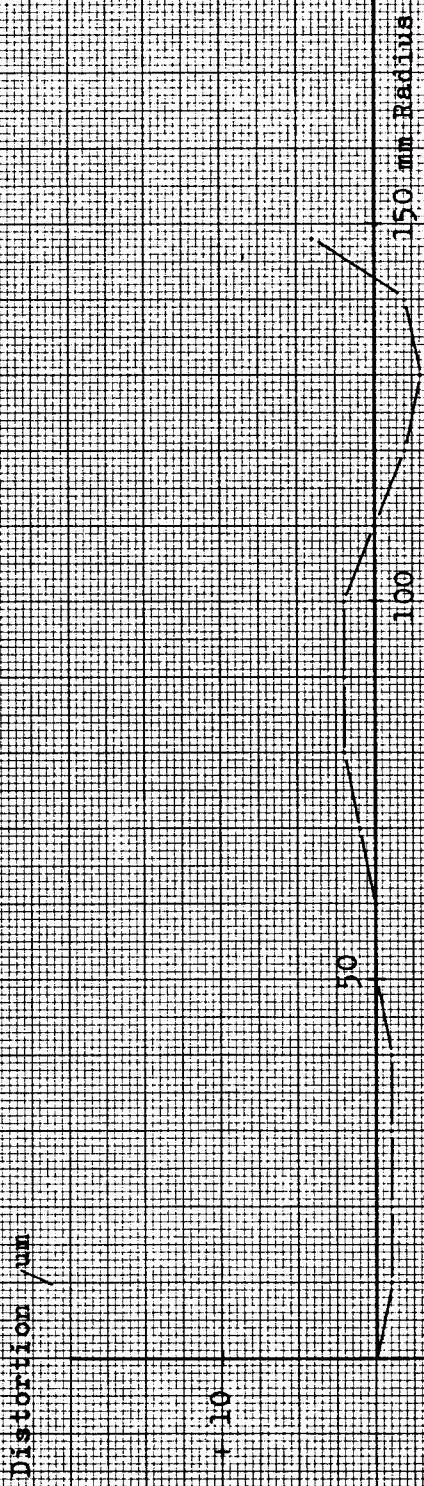
3 - 4 = 212.007

4 - 1 = 212.000

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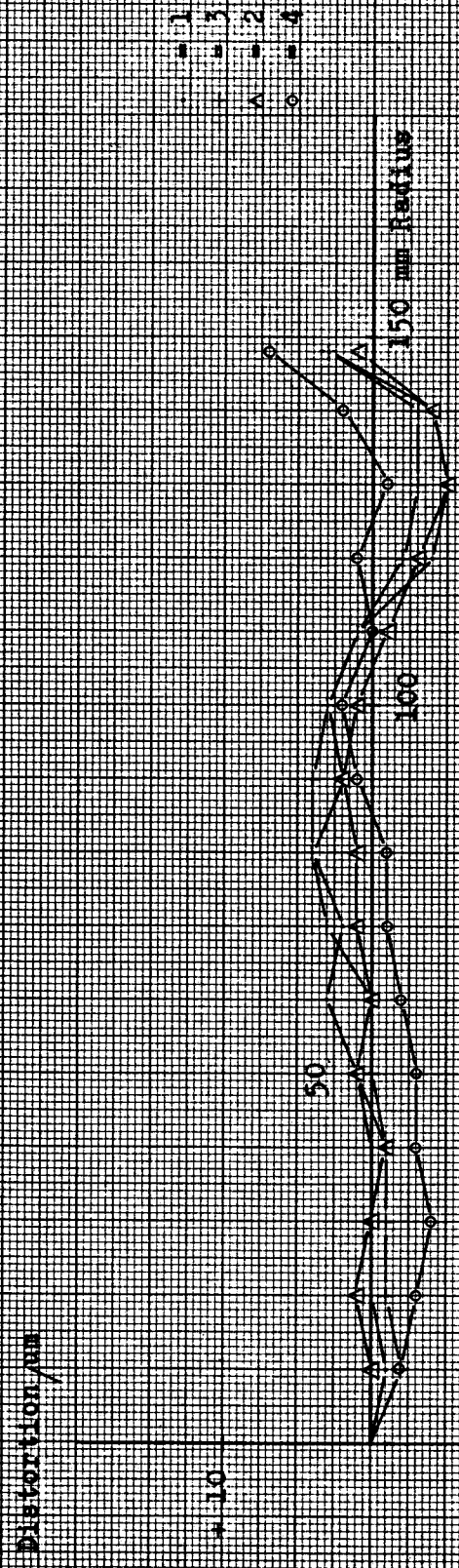
WILD RC 10 (9" x 9") 30 AVIOTAR II No. 4001 P.D. (850 P) = 302.86 mm



Mean Radial Distortion Curve

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WILD RC 10 (91x 91) 30 AVICOR II No. 4001 P.D. (850 μ) = 302.86 mm



Origins: Point of Symmetry

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CS