

FFV



28/2-66

Calibration Certificate

Wild Camera No. 15 UAg. 324

Lens No. 324

NyH 8/3-72

Lens Cone

Type: **RC5/RC8**
 No.: **15 UAg. 324**
 Size: **9" x 9"**

Lens **Calibration date: 28.7.66**

Type: **Universal - Aviogon**
 No.: **324**
 f = **153 mm**
 max. aperture: **f:5.6**

Resolving Power (Lines per millimeter)

High contrast and max. aperture **f:5.6**

Film: **Agfa Isopan IFF Planfilm blank**

Glass plate:

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°
rad.	53	53	52	51	55	48	51	49	24	8			
tang.	53	53	51	49	47	49	44	40	28	13			

rad.													
tang.													

Distortion in millimeters

The given distortion is the arithmetic mean of the four half-diagonals. Positive values denote image displacement outwards.

Goniometer measurements made with ~~the lens cone~~ **no filter on lens cone.**

Calibrated focal length: **152.87 mm**

Radius	20	40	60	80	100	120	140	148
Distortion	+0.005	+0.007	+0.005	+0.001	-0.003	-0.006	-0.002	+0.005

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

Date of Dispatch: **8.8.66**

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 Limited *jam.*

LENS CONE

LENS

CALIBRATION DATE: 28.7.66

Type: RC5/RC8

Type: Universal - Aviogon

Format: 9" x 9"

No.: 15 UAg. 324 f = 152.87 mm

Coordinates (Origin: Fiducial Center) of

Point of best Symmetry (S):

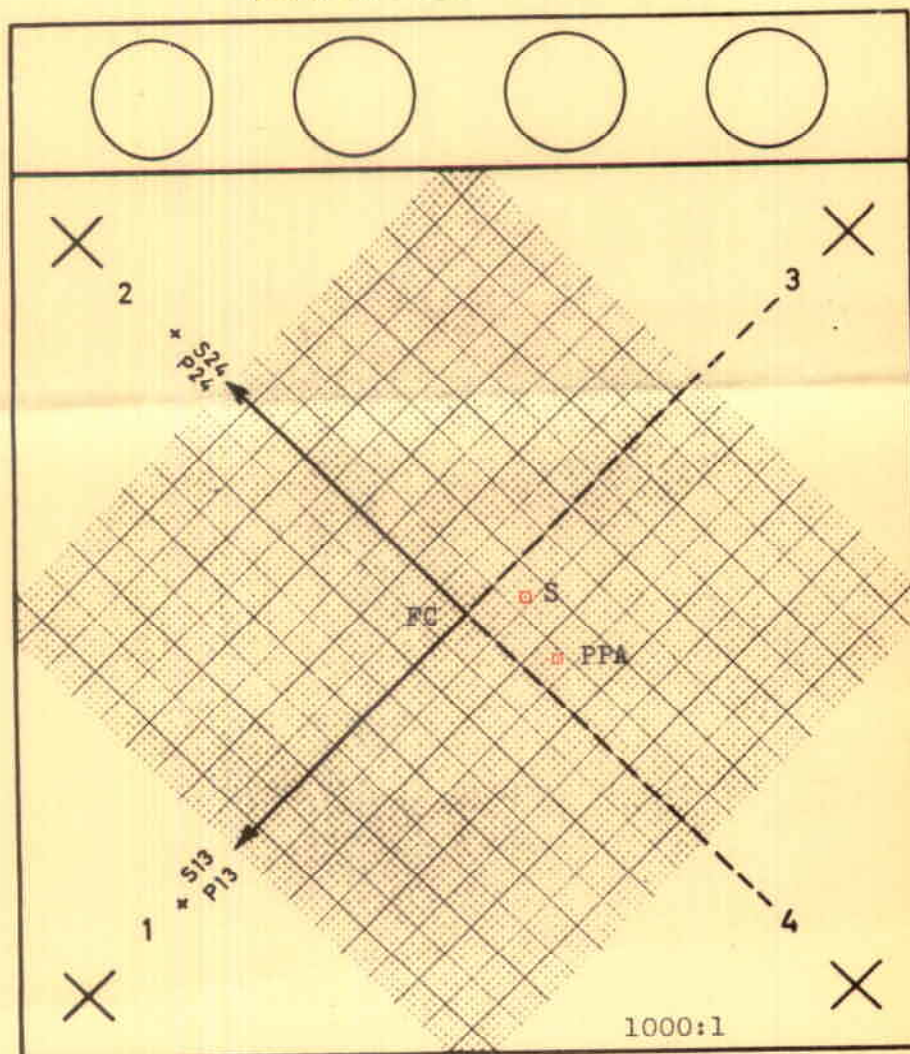
S13 = -7 μ ; S24 = -4 μ

Principal Point of Autocollimation (PPA):

P13 = -4 μ ; P24 = -13 μ

(Calibration without filter)

(Seen on Focal Plane Frame)



Distances between Fiducial Marks in mm :

1 - 2 = 212.003

1 - 3 = 299.813

2 - 3 = 211.999

2 - 4 = 299.823

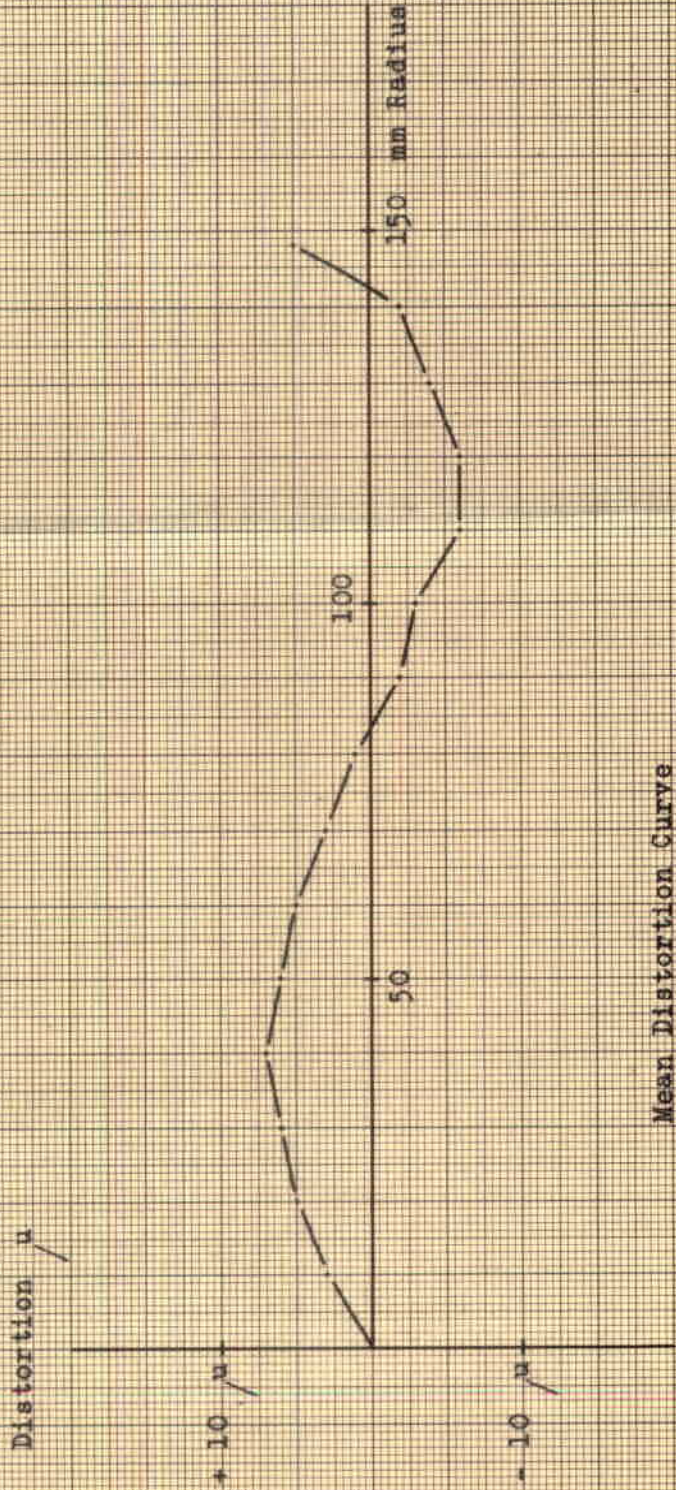
3 - 4 = 212.013

4 - 1 = 211.996

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Gim.

WILD UNIVERSAL - AVIOCON Lens Cone 9" x 9" No. 15 UAg. 524 f = 152.87 mm



Mean Distortion Curve

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