



25-01-20

Opt. - 65

## Calibration Certificate

Wild Camera No. 15 UAg. 281

Lens No. 281

*vytá certifikat 20470.*

**Lens Cone**

Type: **RC5/RC8**  
 No.: **15 UAg. 281**  
 Size: **9" x 9"**

**Lens Calibration date: 20.1.65**

Type: **Universal - Aviogon**  
 No.: **281**  
 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 13 Planfilm**

Glass plate:

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°
rad.	53	53	52	51	49	38	46	49	29	8			
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 half-diagonals. Positive values denote image displacement outwards.

Goniometer measurements made with ~~30, 40, 50, 60, 70, 80, 90, 100, 120, 140, 160, 180 mm~~ **no filter on lens cone.**

Calibrated focal length: **152.81 mm**

Radius mm	20	40	60	80	100	120	140	148
Distortion mm	+0.003	+0.006	+0.002	-0.002	-0.006	-0.005	+0.008	+0.015

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

Date of Dispatch: **16.3.65**

WILD HEERBRUGG  
 Limited *Jan*

LENS CONE

LENS

CALIBRATION DATE: 20.1.65

Type: RC5/RC8

Type: Universal - Aviogon

Format: 9" x 9"

No.: 15 UAg. 281 f = 152.81 mm

Coordinates (Origin: Fiducial Center) of

Point of best Symmetry (S):

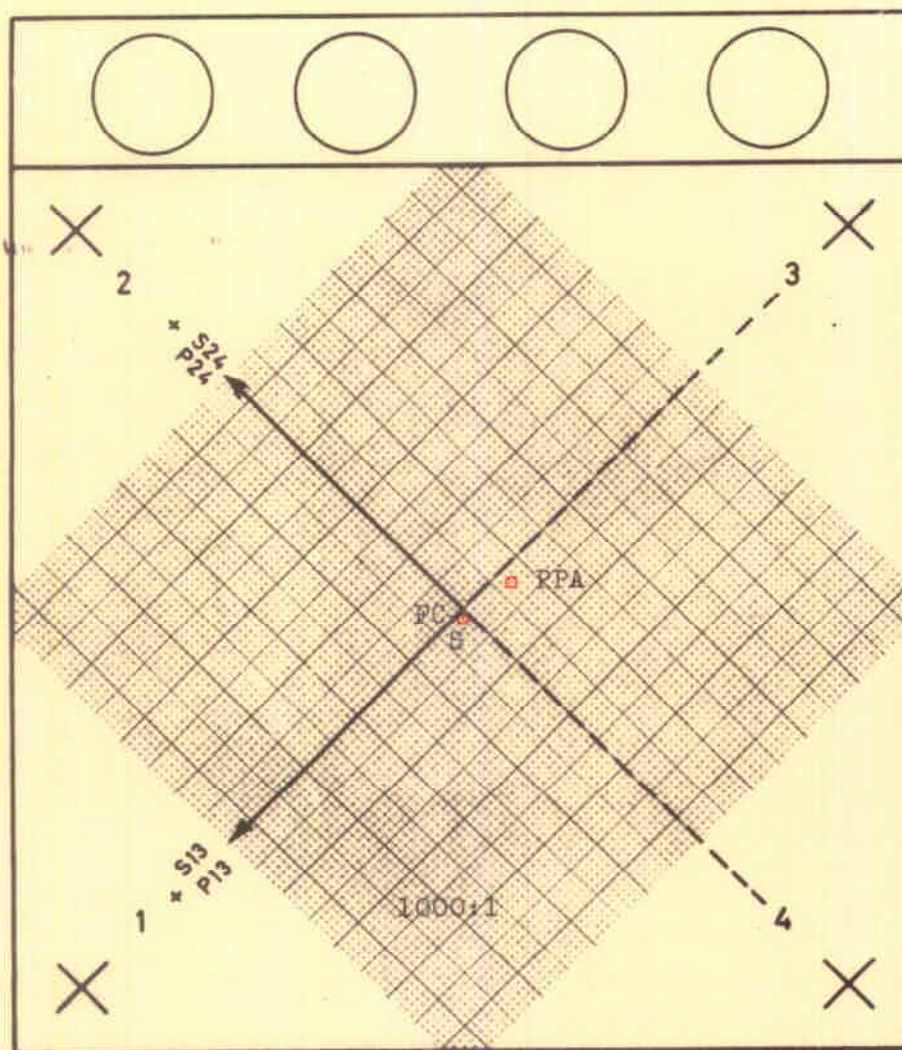
S13 = +1  $\mu$  ; S24 = -1  $\mu$

Principal Point of Autocollimation (PPA):

P13 = -7  $\mu$  ; P24 = -2  $\mu$

(Calibration without filter)

(Seen on Focal Plane Frame)



Distances between Fiducial Marks in mm :

1 - 2 = 211.997

1 - 3 = 299.814

2 - 3 = 212.013

2 - 4 = 299.826

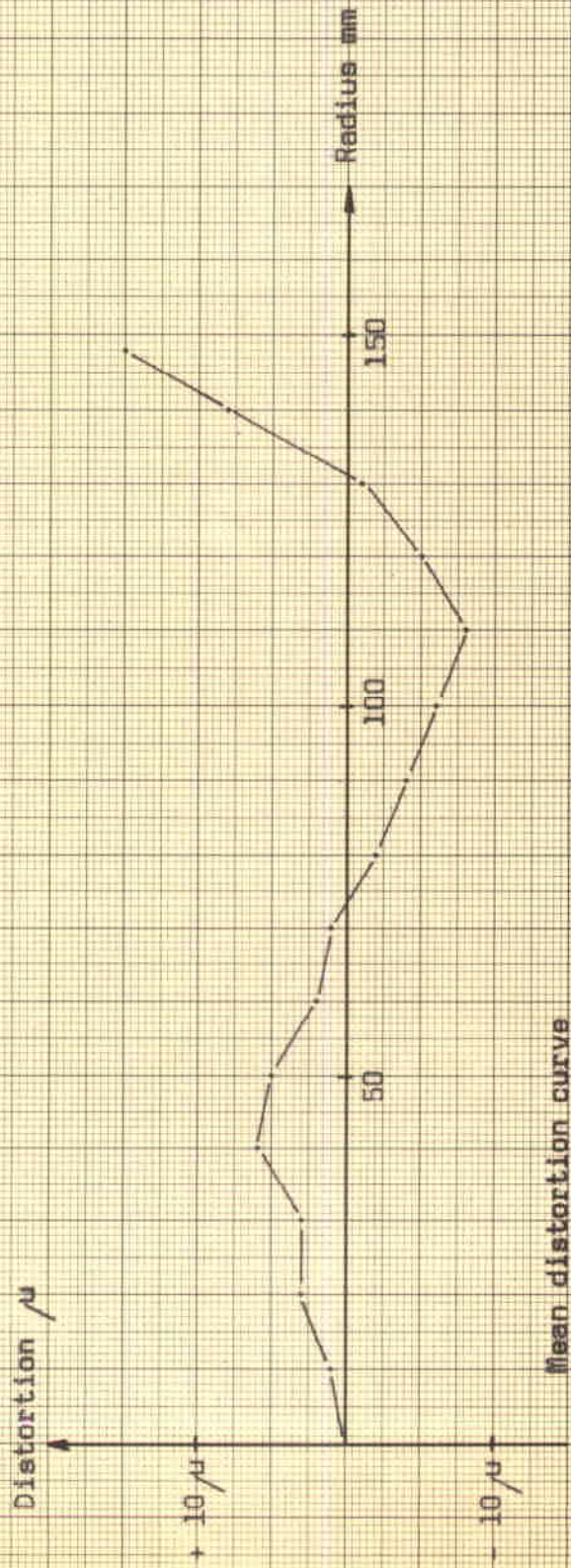
3 - 4 = 211.999

4 - 1 = 212.004

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*Yam.*

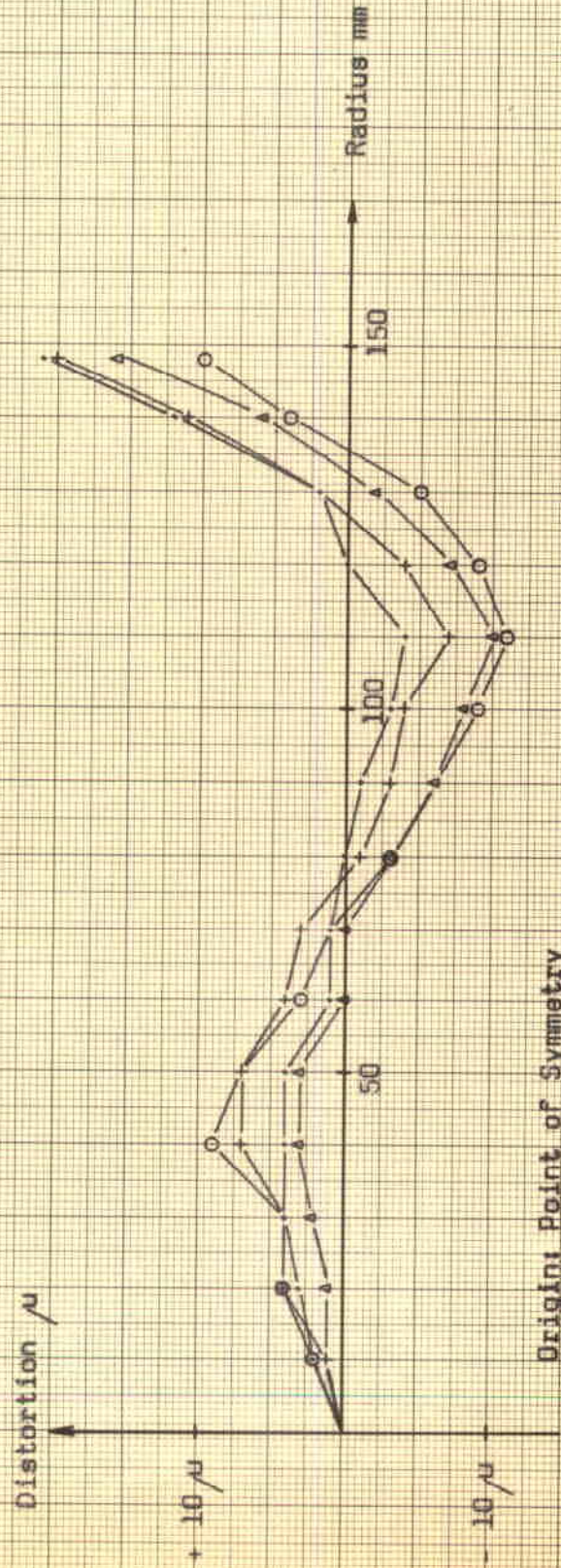
WILD UNIVERSAL AVILOGON Lens Case 9" x 9" 1.5 UAG 281,  $f = 152,81$  mm



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January 20, 1965 *gmm*

WILD UNIVERSAL AVIAGON Lens Code 9" x 9" 15 WAG 281,  $f = 152,81$  mm

- = 1
- + = 3
- △ = 2
- = 4



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 January 20, 1965 *Grim*