

2.2.66



Calibration Certificate

Wild Camera No. 15 Ag. 174
Lens No. 174

**This calibration certificate replaces the
previous certificate issued on 6.6.61**

Lens Cone

Type: **RC5/RC8**
No.: **15 Ag. 174**
Size: **9" x 9"**

Lens

Calibration date: **2.2.66**

Type: **Aviogen**
No.: **174**
f = **153 mm**
max. aperture: **f:5.6**

Resolving Power (Lines per millimeter)

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

Film: **Agfa Isopan 177 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	26	8			
tang.	53	53	51	49	47	49	44	40	28	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 ~~Heerbrugg~~ **no filter on lens cone.**

Calibrated focal length: **152.10 mm**

Radius	20	40	60	80	100	120	140	148
Distortion	+0.006	+0.008	+0.006	+0.001	-0.003	-0.007	-0.004	+0.004

The displacement of the principal point of autocollimation from the intersection of the diagonals (fiducial center) is within **0.025 mm**

Date of Dispatch: **9.2.66**

WILD HEERBRUGG
Limited *jam.*

LENS CONE

LENS

CALIBRATION DATE: 2.2.66

Type: RC5/RC6

Type: Aviogon

Format: 9" x 9"

No.: 15 Ag. 174 f = 152.10 mm

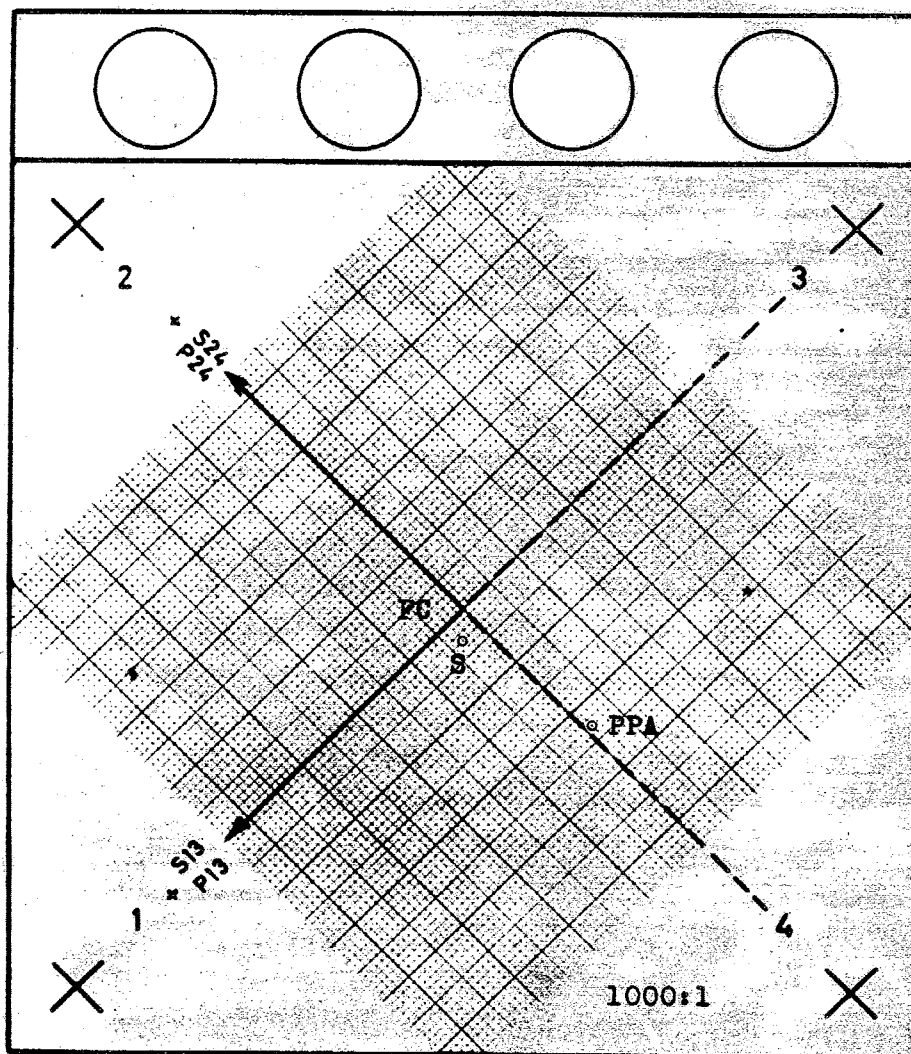
Coordinates (Origin: Fiducial Center) of

Point of best Symmetry (S): $S_{13} = +3 \mu$; $S_{24} = -3 \mu$

Principal Point of Autocollimation (PPA): $P_{13} = -1 \mu$; $P_{24} = -23 \mu$

(Calibration without filter)

(Seen on Focal Plane Frame)



Distances between Fiducial Marks in mm :

1 - 2 = 212.000 1 - 3 = 299.820

2 - 3 = 212.001 2 - 4 = 299.815

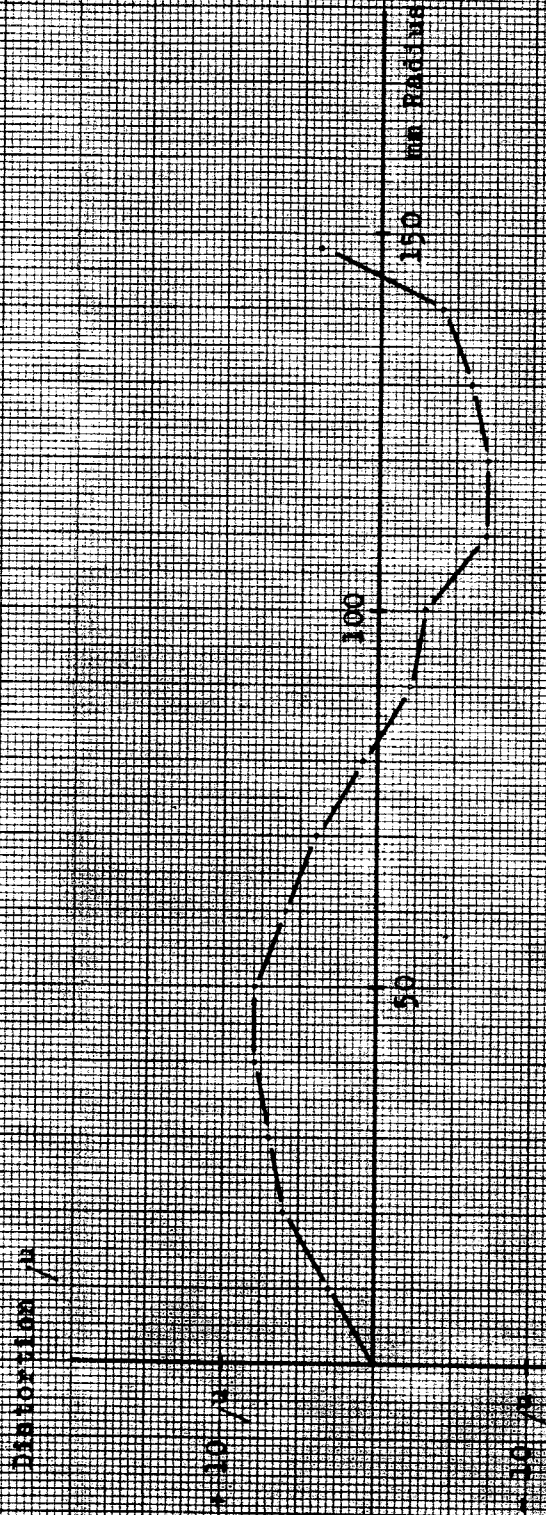
3 - 4 = 212.009

4 - 1 = 212.009

WILD HEERBRUGG LTD

firm.

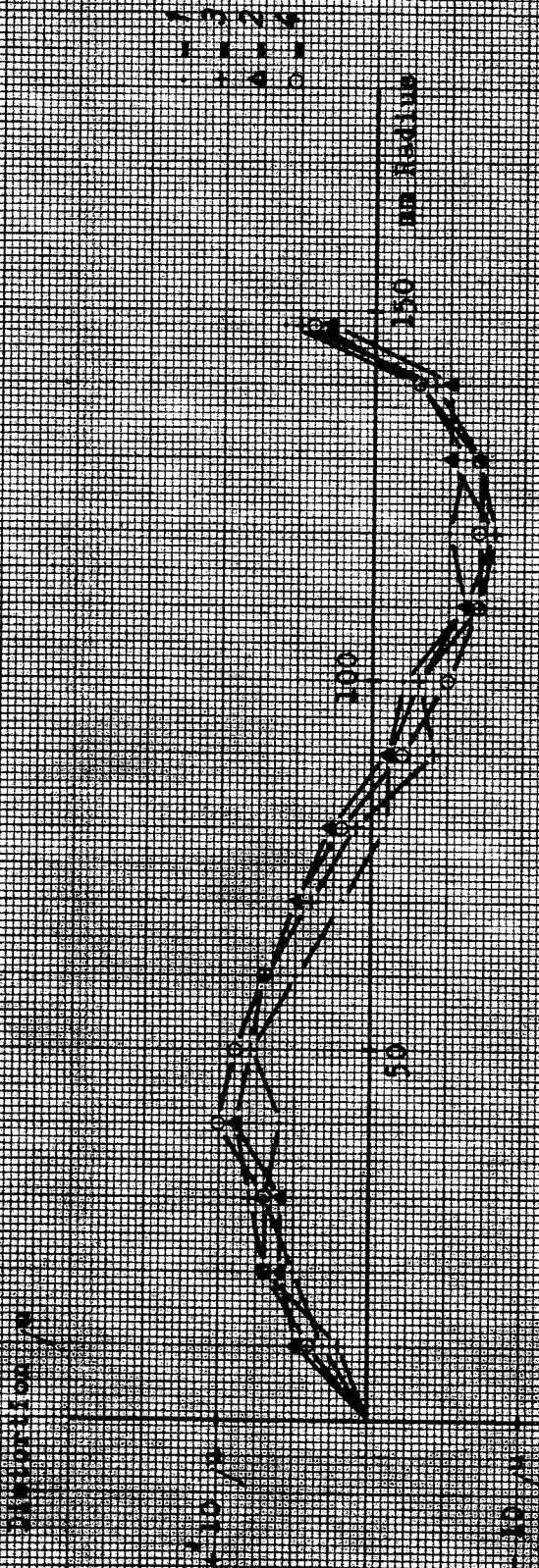
WILD AVICORON Lens Cone 9" x 9" No. 15 Ag. 174 f = 152.10 mm



Mean Distortion Curve

WILD INSTRUMENTS LTD
2.2.66 *John*

FIELD PRODUCTION LATERAL CORRECTION 9" x 9" No. 15 AG. 174 2 - 152.10 MM



FIELD PRODUCTION LATERAL
2.2.66 *pan*