SCANNED

WILD
HEERBRUGG

1966 15/11/66

SECRETARY FOR LANDS
HOBART

Calibration Certificate

Wild Camera No. 11.5 Ag. 71

This calibration certificate replaces the previous certificate issued on 16.9.65

Lens Cone

Type: RC5/RC8
No.: 11.5 Ag. 71
Size: 18 cm x 18 cm

Lens **Calibration date:** 15.11.66

Type: Aviogon
No.: 71
f = 114.29 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.	70	70	69	67	73	57	68	64	30	10			
tang.	70	70	67	65	69	57	58	38	37	25			

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 ~~filtered light 7777 mμ~~ no filter on lens cone.

Calibrated focal length: 114.29 *

Radius	20	40	60	80	90	100	110	114
Distortion	+0.006	+0.008	+0.001	-0.006	-0.007	-0.006	0.000	+0.006

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

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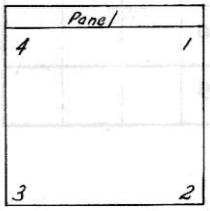
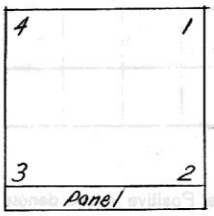
Date of Dispatch: 2.12.66

* According to factory regulations the focal length plates in the lens cone are corrected only if the change in calibrated focal length exceeds 0.02 mm. The plates were consequently left at f = 114.27 mm.

Co-ords of F.M. w.r.t. S. + Y axis mid pt 2-3



1 : + 82·000 + 82·008
2 : + 81·998 - 81·990
3 : - 81·988 - 81·997
4 : - 82·000 + 81·995



1 : + 81·988 + 81·997
2 : + 82·000 - 81·995
3 : - 82·000 - 82·008
4 : - 81·998 + 81·990

LENS CONE | LENS | CALIBRATION DATE: 15.11.66

Type: RC5/RC8 | Type: Aviogon

Format: 18 cm x 18 cm | No.: 11,5 Ag. 71 | f = 114.29 mm

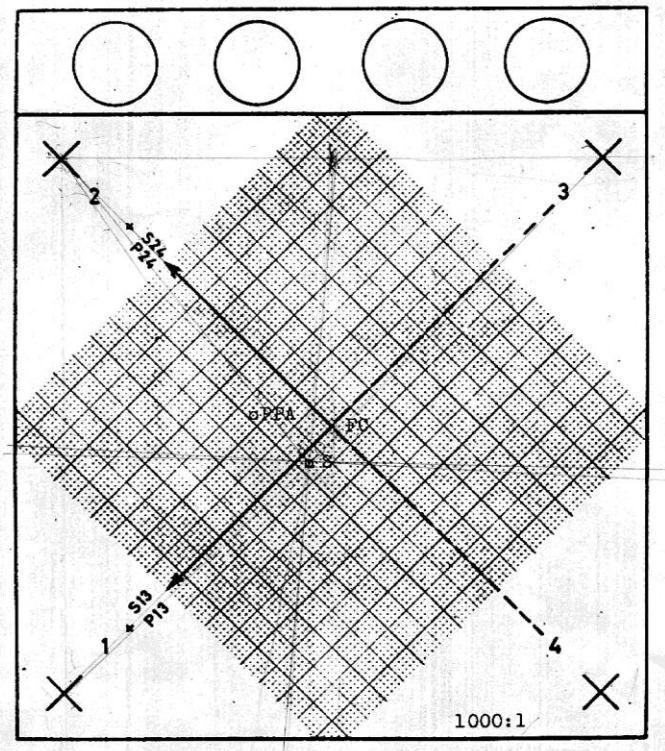
Coordinates (Origin: Fiducial Center) of

Point of best Symmetry (S): S13 = +8 µ ; S24 = −2 µ

Principal Point of Autocollimation (PPA): P13 = +9 µ ; P24 = +12 µ

(Calibration without filter)

(Seen on Focal Plane Frame)



Distances between Fiducial Marks in mm :

1 - 2 = 163.992 1 - 3 = 231.925

2 - 3 = 164.001 2 - 4 = 231.919

3 - 4 = 163.998

4 - 1 = 163.986

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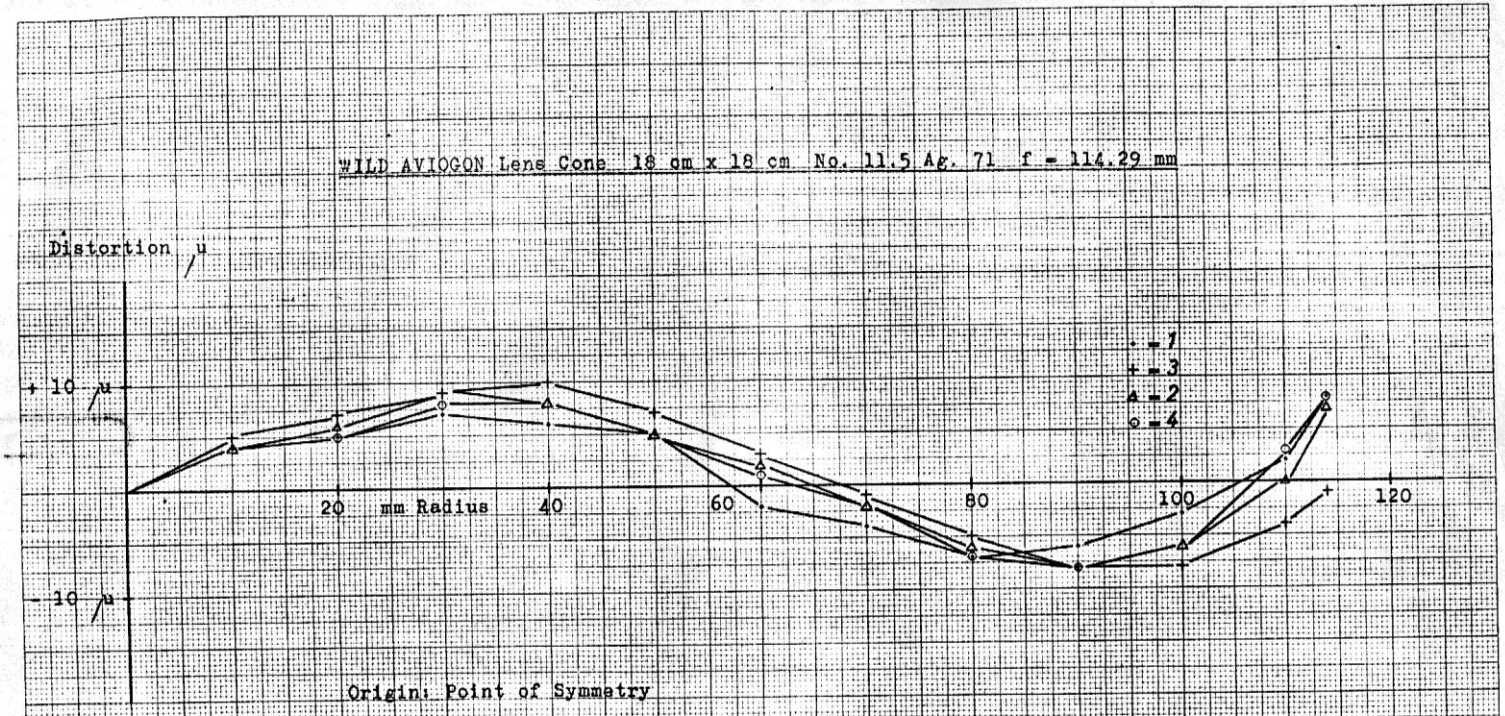
WILD AVIOGON Lens Cone 18 cm x 18 cm No. 11.5 Ag. 71 f = 114.29 mm



Origin: Point of Symmetry

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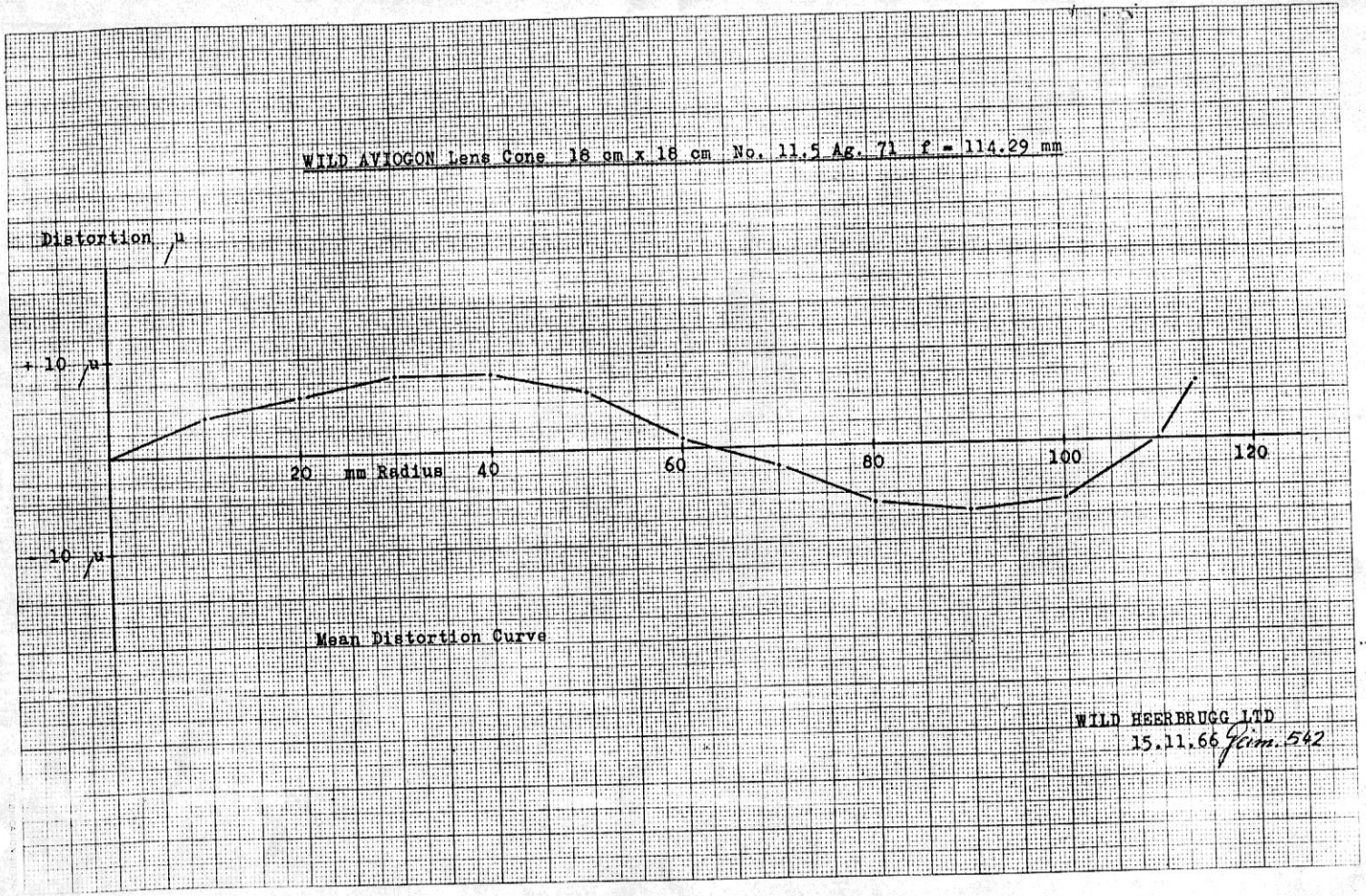
WILD AVIOGON Lens Cone 18 cm x 18 cm No. 11.5 Ag. 71 f = 114.29 mm



Mean Distortion Curve

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