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**CALIBRATION NO:** AF/ 15 UAGII 3103 / 3

**DATE:** 6.12.96

**Hunting Aerofilms Limited**  
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Station Road  
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## **CAMERA CALIBRATION CERTIFICATE**

**WILD LENS CONE**

No:15 UAG II 3103

Type: UNIVERSAL AVIOGON II (RC10)

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CALIBRATION No. AF/ 15 UAGII 3103 / 3

DATE OF CALIBRATION: 6.12.96

LENS TYPE : UNIVERSAL AVIOGON II

Serial No :15 UAGII 3103

FILTER TYPE : None Fitted

Serial No : -

ORIGIN OF MEASUREMENTS o: The point of Symmetry

SIGN CONVENTION : Distortion is positive if away from origin

CALIBRATED AT A TEMPERATURE OF 20°C

CALIBRATION PERFORMED BY : D T PHILPOT

MEASUREMENTS

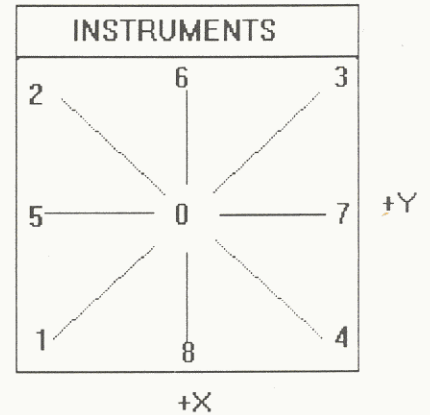
CALIBRATED PRINCIPAL DISTANCE : 153.440 mm

COORDINATES OF POINT OF SYMMETRY

x = -0.004 y = 0.003

COORDINATES OF PRINCIPAL POINT OF AUTOCOLLIMATION

x = 0.007 y = 0.000



RADIAL DISTORTION IN MILLIMETRES :

Radius (mm)	20	40	60	80	100	120	140
Semi diagonal (1)	-0.004	-0.002	0.000	0.004	0.005	0.002	0.001
Semi diagonal (2)	-0.004	-0.004	-0.001	0.002	0.002	-0.001	0.006
Semi diagonal (3)	0.000	-0.003	0.001	0.001	-0.001	-0.004	0.006
Semi diagonal (4)	-0.003	-0.003	-0.001	0.001	0.003	0.000	0.001
Mean	-0.003	-0.003	0.000	0.002	0.002	-0.001	0.004

BEFORE CALIBRATION THE OPTICAL UNIT WAS CHECKED AND FOUND TO BE IN A SERVICEABLE CONDITION.

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CALIBRATED FOCAL LENGTH : 153.440 mm

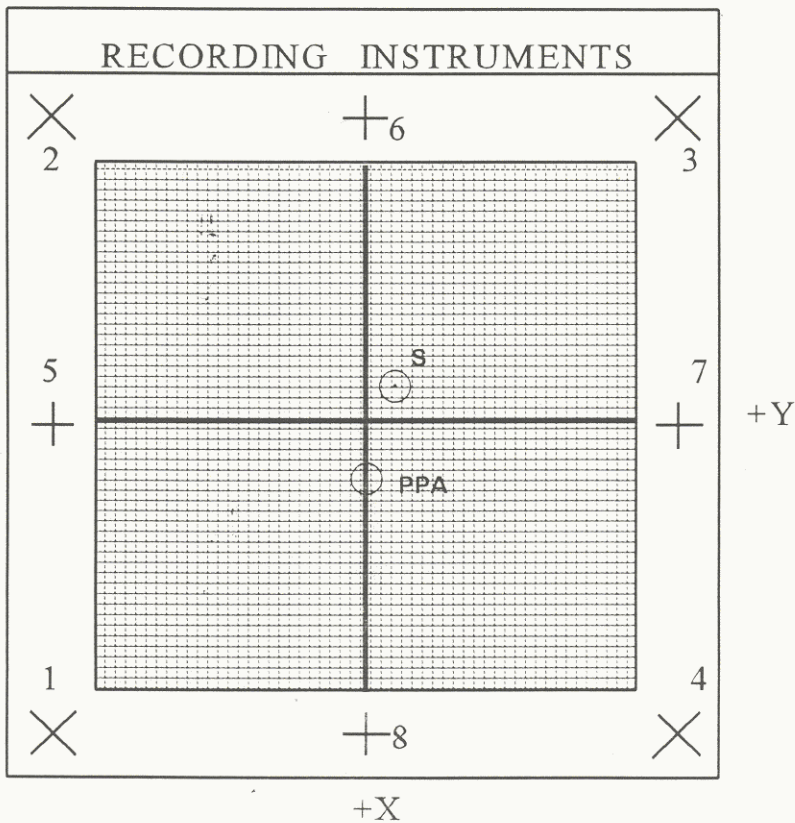
FIDUCIAL COORDS

POINT	X MM	Y MM
FC	0.000	0.000
S	-0.004	0.003
PPA	0.007	0.000

FIDUCIAL MARKS REFERRED TO F.C.  
ARE ACROSS THE CORNER FIDUCIALS

PPA : PRINCIPAL POINT OF AUTOCOLLIMATION

S : POINT OF BEST SYMMETY



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*[Handwritten Signature]*



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# FIDUCIAL MEASUREMENTS FOR WILD RC20.

## FOUR FIDUCIALS

CAMERA : 15 UAGII 3103

DATE : 6.12.96

CENTRE OF GRAVITY

X= 105.985

Y= 105.993

FIDUCIAL COORDINATES (CORNERS)

X1 = 105.984

X2 = -106.010

X3 = -105.990

X4 = 106.009

Y1 = -105.990

Y2 = -106.010

Y3 = 106.012

Y4 = 105.995

DISTANCES (DIAG)

1 - 3 = 299.796

2 - 4 = 299.831

DISTANCES (SIDE)

1 - 2 = 211.992

3 - 4 = 211.994

2 - 3 = 212.025

4 - 1 = 211.990

OPTIMUM DISTANCE DIAGONAL 299.813 MAX ERROR 0.025

OPTIMUM DISTANCE SIDE 212.000 MAX ERROR 0.020

1 - 3 = 0.017

2 - 4 = -0.018

1 - 3 = 0.008

3 - 4 = 0.006

2 - 3 = -0.025

4 - 1 = 0.010

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LENS TYPE: UNIVERSAL AVIOGON II SERIAL NO: 15 UAG II 3103

FOCAL LENGTH: 153.440mm

APERTURE: F4

FILM TYPE: AGFAPAN 25 PROFESSIONAL

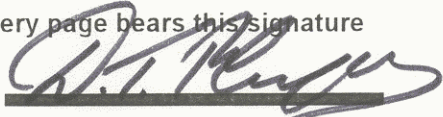
HIGH CONTRAST TEST CHART

DEGREES OFF AXIS	RESOLUTION	
	Radial	Tangential
0	75	75
5	84	74
10	104	58
15	58	56
20	40	47
25	43	49
30	52	63
35	77	63
40	32	31
45	13	19
50		
55		
60		

Measured by: WILD 5.5.85

Approved by:

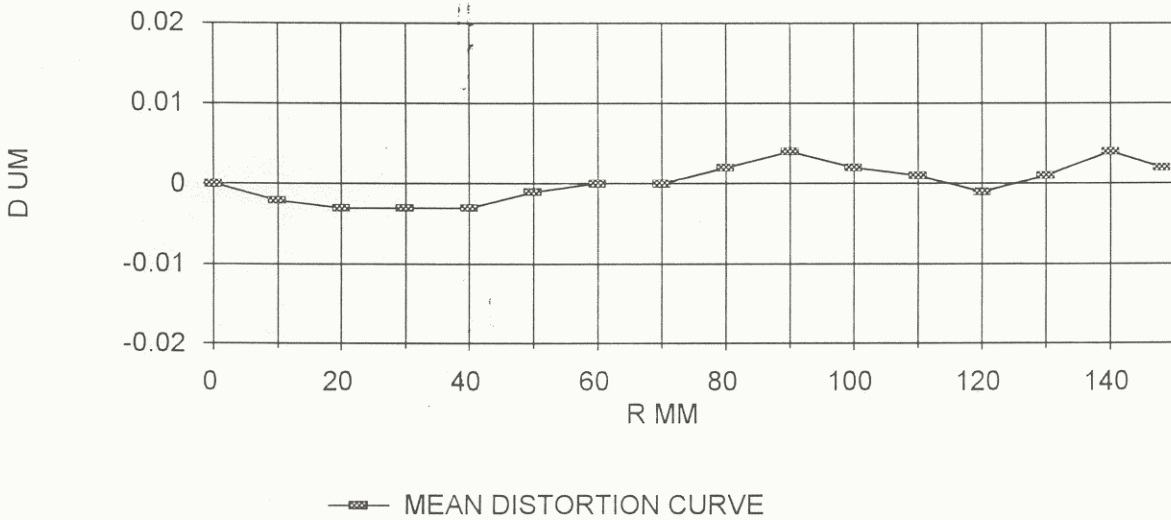
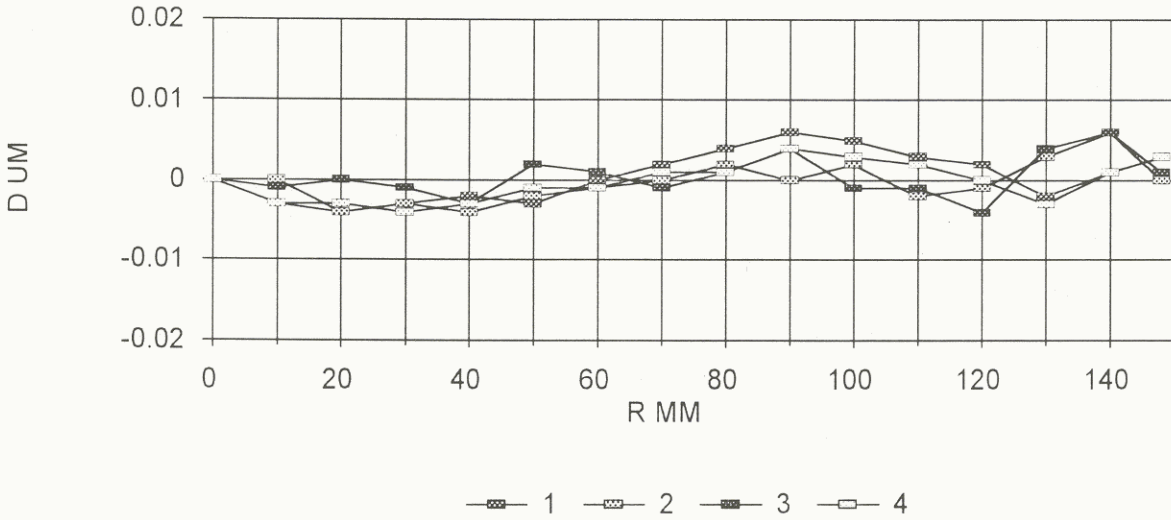
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FILTER ON CAMERA : None Fitted

APERTURE : F4



ORIGIN=POINT OF SYMMETRY

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