



Hunting Aerofilms

Aerofilms Ltd. a subsidiary of Hunting Associated p.l.c.

Gate Studios, Station Road, Boreham Wood,
Herts WD6 1EJ.

ALIBRATION NO. HAF/15UAGII3045/1

DATE: 8-11-89

CAMERA CALIBRATION CERTIFICATE

WILD LENS CONE

NO. 15UAGII3045

TYPE: WILD UNIVERSAL AVIOGON II (RC10)



CALIBRATION No. HAF/15UAGII3045/1

DATE OF CALIBRATION 8-11-89

LENS TYPE: WILD UNIVERSAL AVIOGON II

Serial No.: 15UAGII3045

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: 152.822 mm

COORDINATES OF POINT OF SYMMETRY

x = -0.013 y = +0.008

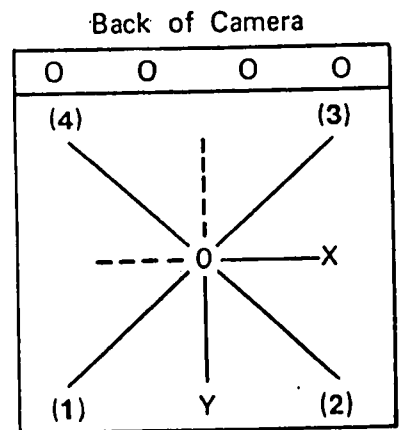
COORDINATES OF PRINCIPAL POINT OF AUTOCOLLIMATION

x = +0.012 y = -0.006

RADIAL DISTORTION IN MILLIMETRES:

| Radius (mm) | 20 | 40 | 60 | 80 | 100 | 120 | 140 |
|-------------------|--------|--------|--------|--------|--------|--------|--------|
| Semi diagonal (1) | -0.003 | -0.002 | -0.001 | +0.002 | +0.001 | -0.003 | +0.000 |
| Semi diagonal (2) | -0.004 | -0.002 | +0.000 | +0.004 | +0.003 | -0.002 | +0.000 |
| Semi diagonal (3) | +0.000 | -0.001 | +0.002 | +0.002 | +0.000 | -0.004 | -0.007 |
| Semi diagonal (4) | -0.002 | -0.004 | +0.001 | +0.001 | +0.000 | +0.002 | +0.003 |
| Mean | -0.002 | -0.002 | +0.000 | +0.002 | +0.001 | -0.002 | -0.001 |

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



Hunting
Aero Films
Every page bears this signature

CAMERA CALIBRATION



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LENS : 15UAGII

NO. : 3045

CALIBRATION DATE 8-11-89

FIDUCIAL COORDS

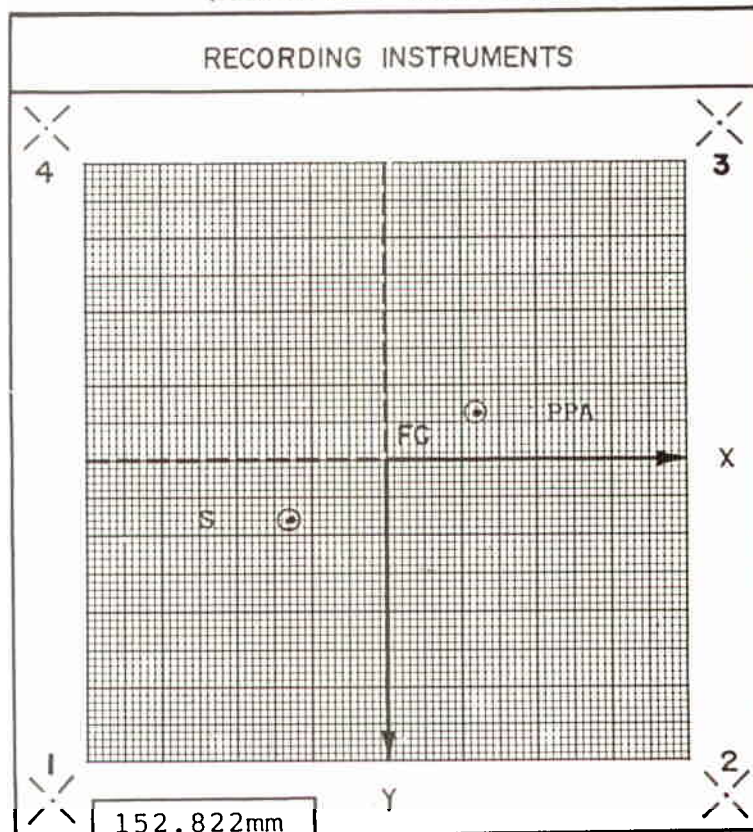
| POINT | X MM | Y MM |
|-------|---------|---------|
| FC | 0.000 | 0.000 |
| S | -0.013 | +0.008 |
| PPA | +0.012 | -0.006 |

| | | | | |
|---|----------|----------|-----|---------|
| 1 | -105.997 | +106.003 | 1-2 | 211.991 |
| 2 | +105.994 | +106.001 | 2-3 | 212.008 |
| 3 | +106.005 | -106.006 | 3-4 | 212.006 |
| 4 | -106.001 | -105.997 | 4-1 | 212.000 |
| | | | 1-3 | 299.821 |
| | | | 2-4 | 299.809 |

FIDUCIAL MARKS REFERED TO F.C.

S : POINT OF BEST SYMMETRY
PPA: PRINCIPAL POINT OF AUTOCOLLIMATION

(SEEN ON IMAGE PLANE FRAME)



RESOLUTION FIGURES MUST BE TAKEN
FROM THE LAST WILD CALIBRATION
CERTIFICATE. THIS WAS NOT
AVAILABLE AT THE TIME OF
COMPLETION OF THIS CERTIFICATE.

RESOLUTION

RC10
LENS TYPE: WILD UNIVERSAL
AVIOGON

SERIAL No.: 15UAGII3045

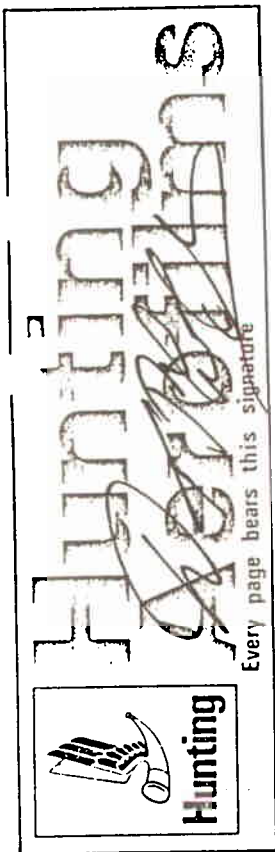
FOCAL LENGTH: 152.822mm

APERTURE f.4.0

FILM TYPE:

HIGH CONTRAST TEST CHART

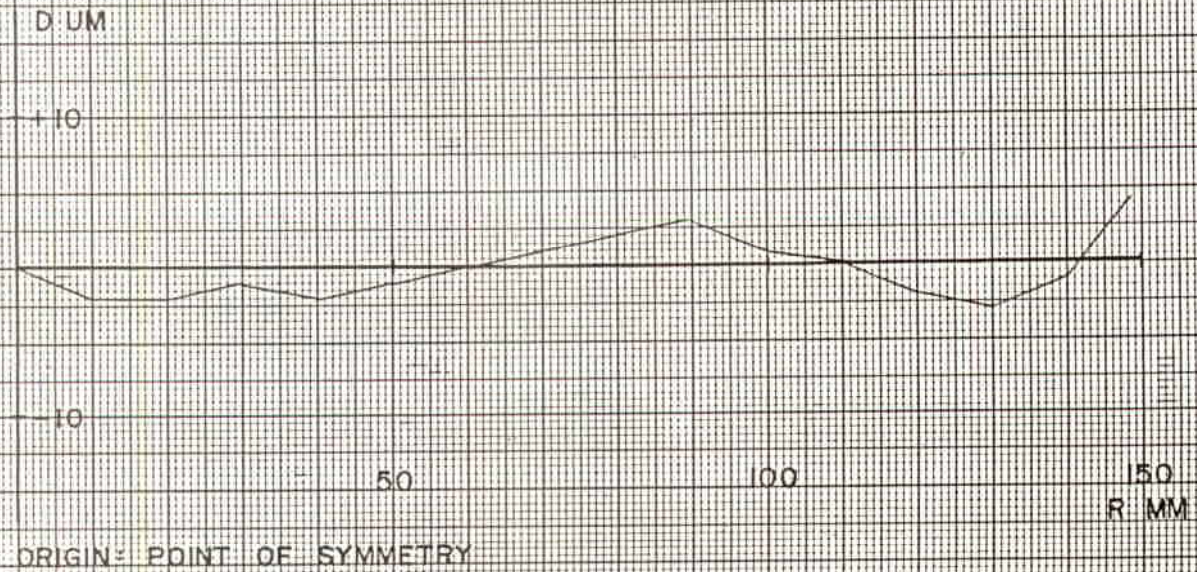
| DEGREES OFF AXIS | RESOLUTION | |
|------------------|------------|------------|
| | Radial | Tangential |
| 0 | | |
| 5 | | |
| 10 | | |
| 15 | | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |
| 45 | | |
| 50 | | |
| 55 | | |
| 60 | | |



Measured by:

Approved by:

C.F.L. 152-822mm
FILTER ON CAMERA None fitted
APERTURE f 5-6



HAF/15UAGII 3045/1

8-11-89



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