

CALIBRATION No. HAF/15UAG446/19

DATE OF CALIBRATION 13.5.88

LENS TYPE: WILD UNIVERSAL AVIOGON

Serial No.: 15 UAG 446

FILTER TYPE: NONE FITTED

Serial No.: -

ORIGIN OF MEASUREMENTS  $\odot$ : 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: 152.812 mm

COORDINATES OF POINT OF SYMMETRY

x = -0.012 y = -0.009

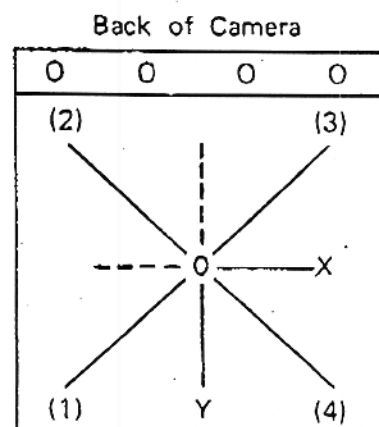
COORDINATES OF PRINCIPAL POINT OF AUTOCOLLIMATION

x = -0.009 y = -0.011

RADIAL DISTORTION IN MILLIMETRES:

Radius (mm)	20	40	60	80	100	120	140
Semi diagonal (1)	+0.002	+0.008	+0.007	+0.004	+0.003	+0.000	+0.008
Semi diagonal (2)	+0.006	+0.008	+0.008	+0.006	-0.001	-0.008	-0.002
Semi diagonal (3)	+0.006	+0.009	+0.010	+0.007	+0.001	-0.001	+0.008
Semi diagonal (4)	+0.001	+0.006	+0.007	+0.001	-0.003	-0.002	+0.003
Mean	+0.004	+0.008	+0.008	+0.004	+0.000	-0.003	+0.004

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

APPROVED BY: 



# CAMERA CALIBRATION

LENS : 15 UAG

NO.: 446

CALIBRATION DATE 13-05-88

## FIDUCIAL COORDS

POINT	X MM	Y MM
FC	0.000	0.000
S	-0.012	-0.009
PPA	-0.009	-0.011

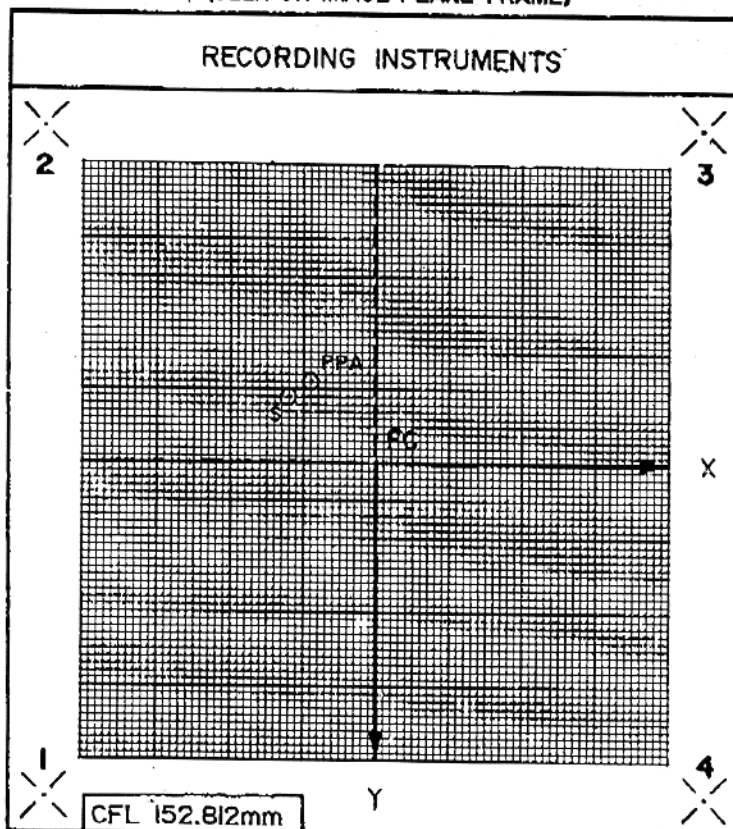
1	-105.989	+106.015	1-2	211.999
2	-106.014	-105.984	2-3	211.995
3	+105.981	-106.007	3-4	211.982
4	+106.021	+105.975	4-1	212.010
			1-3	299.808
			2-4	299.809

FIDUCIAL MARKS REFERED TO F.C.

S : POINT OF BEST SYMMETRY

PPA: PRINCIPAL POINT OF AUTOCOLLIMATION

(SEEN ON IMAGE PLANE FRAME)



SCALE: 1000 : 1

HAF / 15 UAG 446 / 19

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DATE OF CALIBRATION 13.5.88

RESOLUTION

LENS TYPE: WILD UNIVERSAL AVIOGON SERIAL No.: 15 UAG 446

FOCAL LENGTH: 152.812 mm


APERTURE f 5.6

FILM TYPE: AGFA IP 15 BLANK

HIGH CONTRAST TEST CHART

DEGREES OFF AXIS	RESOLUTION	
	Radial	Tangential
0	53	53
5	53	53
10	52	51
15	57	44
20	55	42
25	48	44
30	51	44
35	49	46
40	24	35
45	8	17
50		
55		
60		

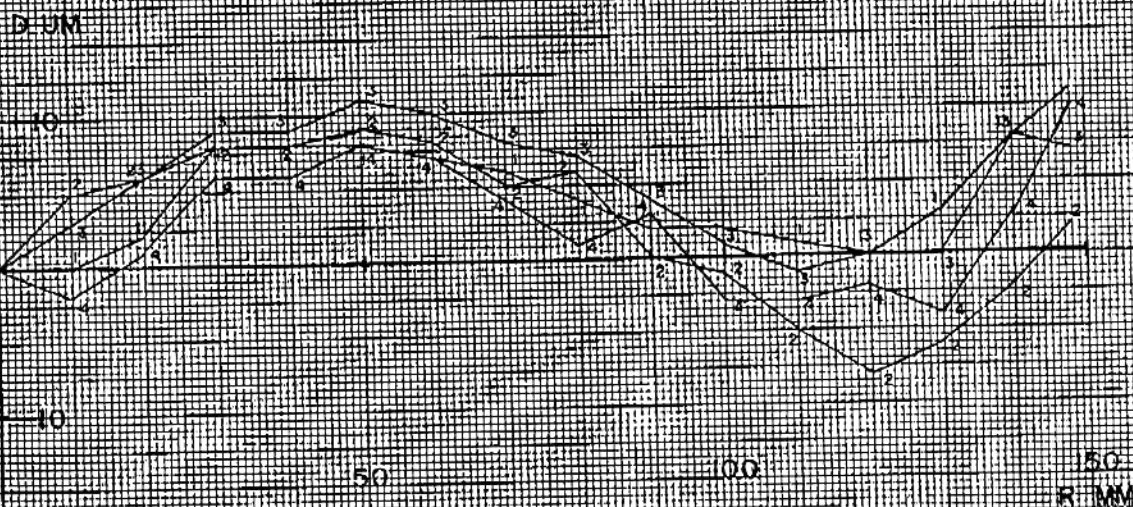
Measured by: WILD 7-4-70

Approved by: 

C.F.I. 52-812mm  
 METER ON CAMERA NONE  
 APERTURE f/5.6



MEAN DISTORTION CURVE



ORIGIN POINT OF SYMMETRY

HAF 715 UAS 446 719

3-05-BB