

CALIBRATION NO: AF/15-4-UAG-S-13260 / 1

DATE: 19.04.02

**Simmons Aerofilms Ltd**  
Gate Studios  
Station Road  
Borehamwood  
Herts WD6 1EJ

Tel: 0208-207 0666  
Fax: 0208-207 5433

## CAMERA CALIBRATION CERTIFICATE

LEICA LENS CONE

No. 15-4-UAG-S-13260

Type: UNIVERSAL AVIOGON (RC30)



LENS : UNIVERSAL AVIOGON -S NO : 13260

DATE : 19.04.02

CALIBRATED FOCAL LENGTH : 153.277 mm

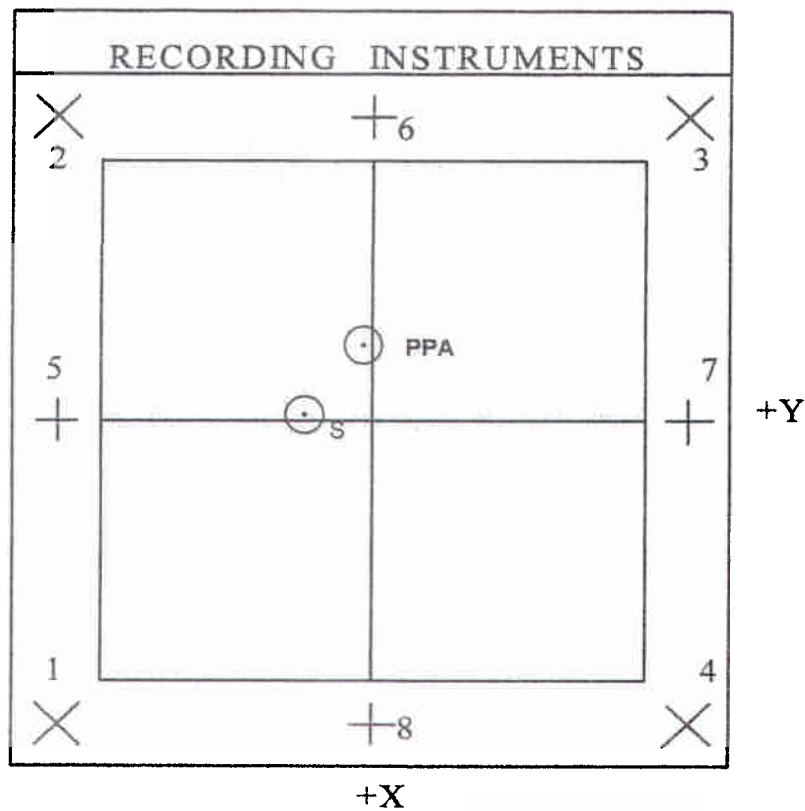
FIDUCIAL COORDS

POINT	X MM	Y MM
FC	0.000	0.000
S	-0.002	-0.010
PPA	-0.013	-0.002

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

PPA : PRINCIPAL POINT OF AUTOCOLLIMATION

S : POINT OF BEST SYMMETY



EVERY PAGE BEARS THIS SIGNATURE

  
Simmons  Aerofilms

# FIDUCIAL MEASUREMENTS FOR LEICA RC30

## EIGHT FIDUCIALS

CAMERA 15-4 UAG-S-13260

DATE 19.04.02

### FIDUCIAL COORDINATES (SIDES)

X5= -0.009	X6= -112.006	X7= 0.003	X8= 112.007
Y5= -111.990	Y6= -0.007	Y7 = 112.007	Y8= 0.005

DISTANCES 5-7= 223.997 6-8= 224.013

### FIDUCIAL COORDINATES (CORNERS)

X1= 105.999	X2= -106.011	X3= -105.994	X4= 106.010
Y1= -105.997	Y2= -106.011	Y3= 105.990	Y4= 106.003

DISTANCES (DIAG)	1-3= 299.798	2-4= 299.838
DISTANCES (SIDE)	1-2= 212.009	3-4= 212.004
	2-3= 212.001	4-1= 211.999

EVERY PAGE BEARS THIS SIGNATURE



Simmons  Aerofilms

CALIBRATION NO: AF/ 15-4-UAG-S-13260 / 1  
RESOLUTION

DATE : 19.04.02

LENS TYPE: UNIVERSAL AVIOGON S SERIAL NO: 15-4-UAG-S-13260

FOCAL LENGTH: 153.277mm

APERTURE: f4

FILM TYPE: KODAK PANATOMIC X2412

HIGH CONTRAST TEST CHART

AWAR IN lp/mm: 98

DEGREES OFF AXIS	RESOLUTION	
	Radial	Tangential
0	131	1331
5	131	116
10	115	101
15	90	87
20	110	92
25	119	121
30	128	111
35	108	62
40	80	77
45	83	59
50		
55		
60		

Measured by:LEICA 18.01.00

Approved by:

Every page bears this signature

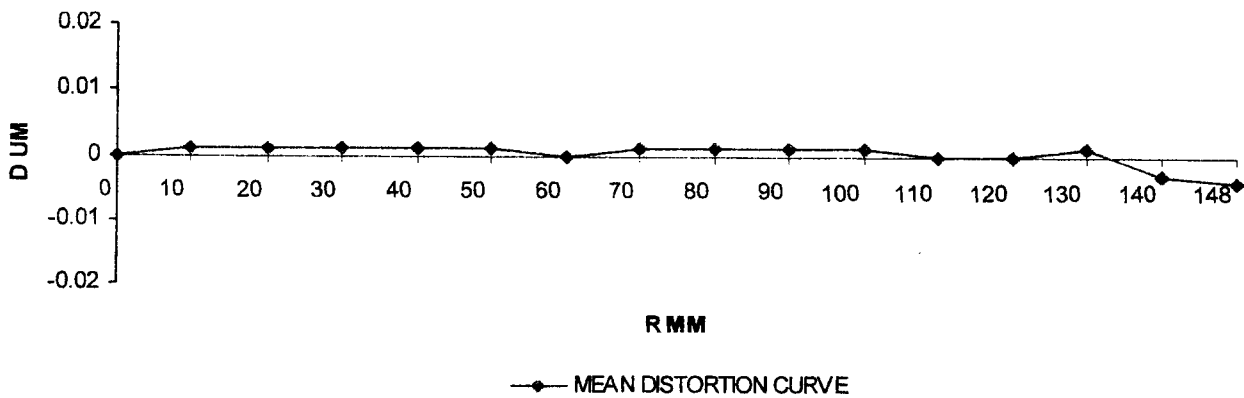
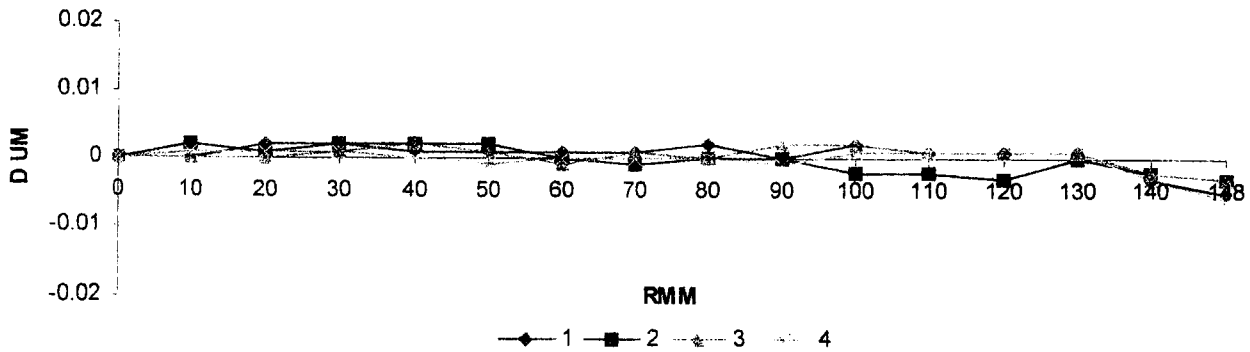
  
Simmons  Aerofilms

CALIBRATION NO : AF/15-4-UAG-S-13260 / 1

DATE : 19.04.02

FILTER ON CAMERA : None Fitted

APERTURE : F4



ORIGIN=POINT OF SYMMETRY

PAGE 6 OF 6

EVERY PAGE BEARS THIS SIGNATURE

Simmons  Aerofilms