

# CAMERA CALIBRATION CERTIFICATE

CAMERA TYPE : RC10

LENS TYPE : 30 AT II

LENS NO. : 4110

CALIBRATION DATE : 03.12.84

WILD HEERBRUGG LTD



**WILD  
HEERBRUGG**

CH-9435 HEERBRUGG  
Calibration Department

Supervisor:

## CAMERA CALIBRATION

CAMERA: RC10 LENS: 30 AT II NO.: 4110 CALIBRATION DATE: 03.12.84

APERTURE : F / 4.0  
 FILTER ON GONIOMETER : 450 NM  
 FILTER ON CAMERA : --  
 PRINCIPAL DISTANCE FOR FOCUSING DISTANCE 850 M : 305.36 MM

## RADIAL DISTORTION (MICROMETERS)

REFERRED TO PRINCIPAL POINT OF SYMMETRY (PPS)  
 (POSITIVE VALUES DENOTE IMAGE DISPLACEMENT AWAY FROM CENTER)

RADIUS MM	SEMI - DIAGONALS				MEAN
	1	3	2	4	
10	-0.9	-1.7	-1.1	-1.5	-1.3
20	-2.5	-3.3	-2.2	-3.0	-2.7
30	-4.0	-3.7	-3.6	-4.1	-3.8
40	-4.2	-3.4	-4.2	-3.6	-3.8
50	-3.3	-3.0	-2.9	-2.9	-3.0
60	-2.6	-1.2	-0.7	-1.5	-1.5
70	-0.1	0.9	0.4	0.9	0.5
80	1.6	3.2	2.6	3.2	2.6
90	3.7	4.1	3.8	4.1	3.9
100	4.2	4.2	4.8	4.2	4.3
110	2.7	2.6	4.1	3.1	3.1
120	-0.1	-1.3	1.4	-0.1	0.0
130	-2.8	-3.2	-1.1	-2.0	-2.2
140	-3.6	-3.2	-2.4	-1.9	-2.7
148	0.6	0.2	-0.6	1.3	0.3

## PHOTOGRAPHIC RESOLUTION (LINE PAIRS PER MILLIMETER)

INTERNATIONAL 3-LINE TEST-CHART, CONTRAST (LOG) : 2.0  
 APERTURE : 4.0  
 FILTER : 450 NM  
 FILM : AGFAPAN 25 PROFESSIONAL (ASA SPEED: 25)  
 DEVELOPER : AGFA-GEVAERT STUDIONAL LIQUID 1:15 6 MIN

ANGLE: 0 5 10 15 20 25  
 (DEGREES)  
 RAD. 95 106 66 26 25 25  
 TANG. 95 94 51 44 30 22

AWAR (AREA WEIGHTED AVERAGE RESOLUTION) IN LP/MM : 41

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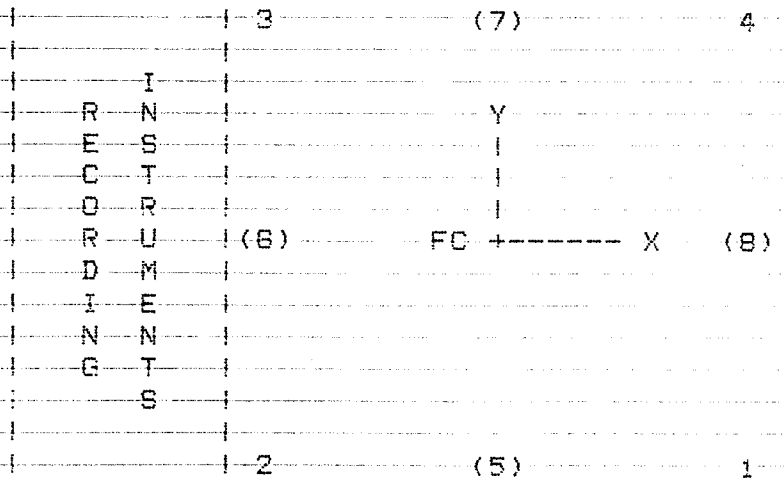
PRINCIPAL POINT OF AUTOCOLLIMATION (PPA) AND  
 PRINCIPAL POINT OF SYMMETRY (PPS)

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 REFERRED TO FC, SEE DIAGRAM

	X (MM)	Y (MM)
PPA	0.031	0.018
SPS	0.028	0.010

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 FIDUCIAL MARKS, REFERRED TO FC

	X (MM)	Y (MM)
1	105.991	-105.992
2	-105.999	-106.000
3	-105.997	105.998
4	105.999	106.000

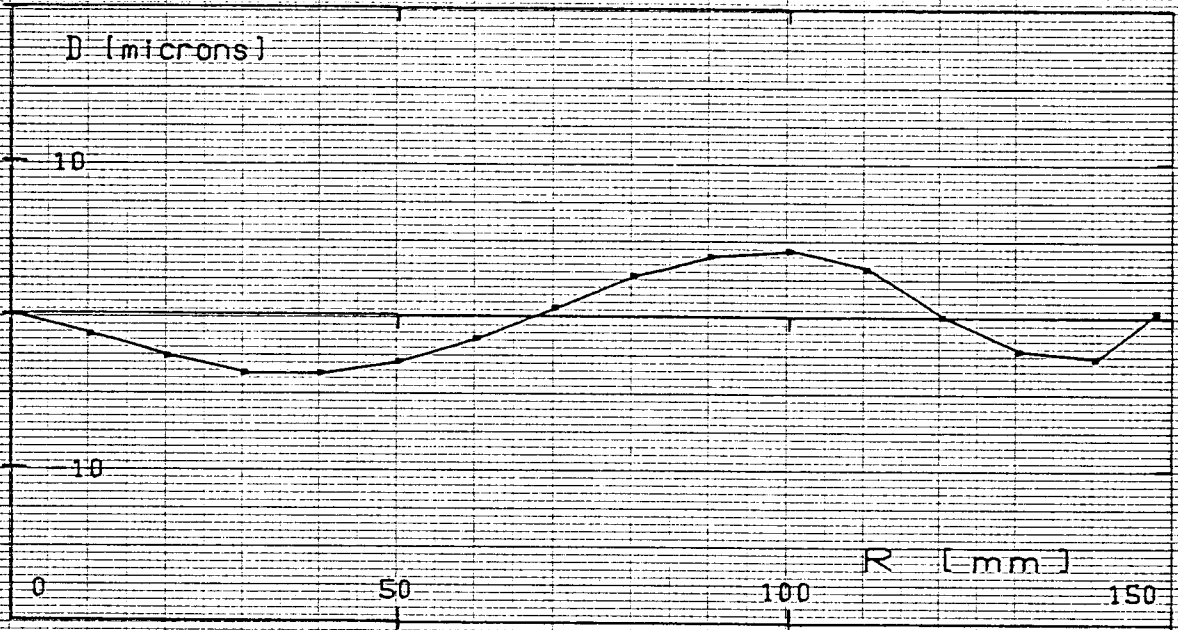


AS SEEN ON FOCAL PLANE FRAME

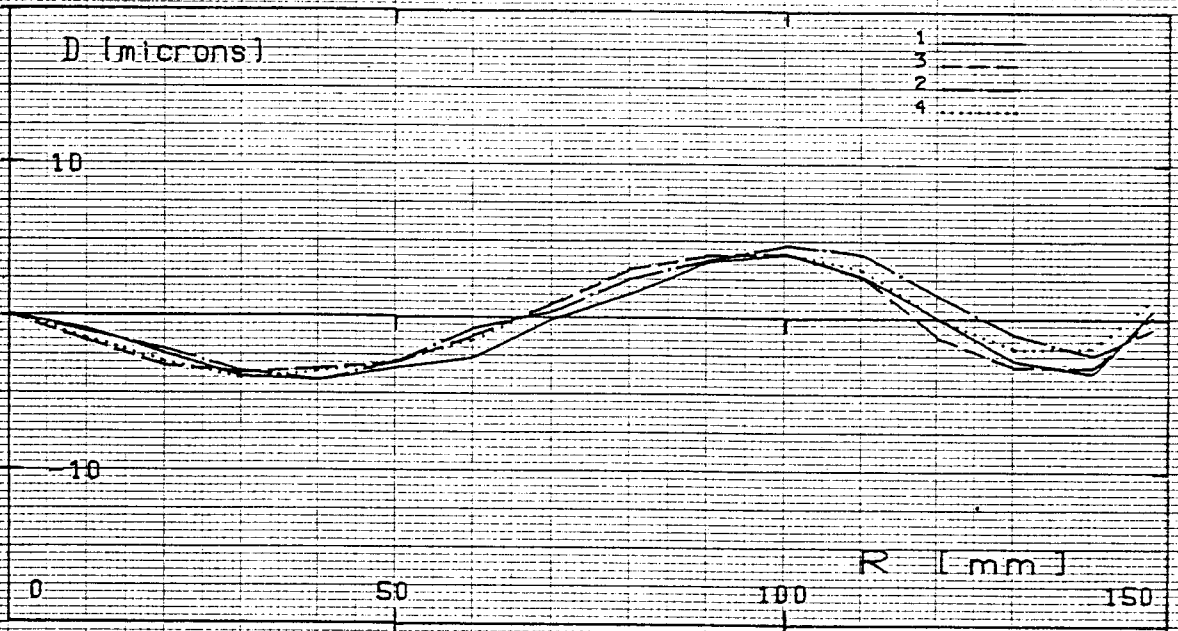
RC10 30 AT II NO. 4110

03.12.84

APERTURE : F / 4.0  
FILTER ON GONIOMETER : 450 NM  
FILTER ON CAMERA : --  
P.D. (850m) : 305.36 MM



MEAN RADIAL DISTORTION CURVE



RADIAL DISTORTION FOR SEMI-DIAGONALS REFERRED TO PPS

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