

CAMERA CALIBRATION CERTIFICATE

CAMERA TYPE : RC10

LENS TYPE : 21 NAG II

LENS NO. : 7171

CALIBRATION DATE : 26.11.87

WILD HEERBRUGG LTD



## CAMERA CALIBRATION

CAMERA: RC10 LENS: 21 NAG II NO.: 7171 CALIBRATION DATE: 26.11.87

APERTURE : F / 4.0  
 FILTER ON GONIOMETER : 450 NM  
 FILTER ON CAMERA : --  
 PRINCIPAL DISTANCE FOR FOCUSSING DISTANCE 900 M : 213.77 MM

## RADIAL DISTORTION (MICROMETERS)

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 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	0.7	-0.1	0.6	0.0	0.3
20	1.5	-0.1	1.4	0.2	0.7
30	1.6	0.2	1.9	0.4	1.0
40	2.3	1.5	2.6	1.6	2.0
50	3.0	1.8	3.6	2.3	2.6
60	1.5	1.9	3.7	1.7	2.2
70	0.0	1.1	1.5	1.1	0.9
80	-1.4	0.6	0.5	0.7	0.1
90	-1.2	-0.2	-0.3	0.0	-0.4
100	-2.0	-0.5	0.2	-0.3	-0.6
110	-1.2	-0.9	0.9	-0.1	-0.3
120	-0.4	-0.9	0.7	0.3	0.0
130	-1.0	-1.9	1.0	1.1	-0.2
140	-2.5	-2.8	-0.4	0.4	-1.3
148	-3.5	-4.3	-1.2	-0.3	-2.3

## PHOTOGRAPHIC RESOLUTION (LINE PAIRS PER MILLIMETER)

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 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 STUDIOAL LIQUID 1:15 6 MIN

ANGLE: (DEGREES)	0	5	10	15	20	25	30	35
RAD.	75	84	83	73	50	38	37	44
TANG.	75	84	82	70	59	49	45	45

AWAR (AREA WEIGHTED AVERAGE RESOLUTION) IN LP/MM : 54

*M.L.*

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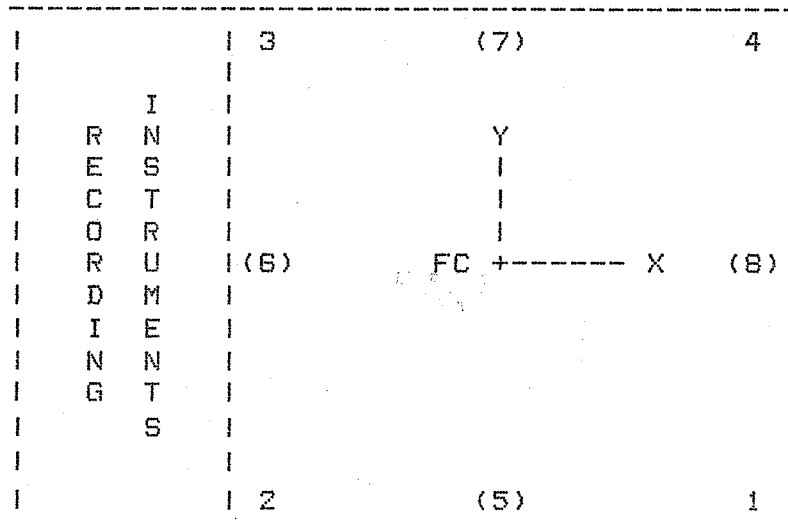
PRINCIPAL POINT OF AUTOCOLLIMATION (PPA) AND  
PRINCIPAL POINT OF SYMMETRY (PPS)

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REFERRED TO FC, SEE DIAGRAM

	X (MM)	Y (MM)
PPA	0.012	0.021
S	0.017	0.014

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FIDUCIAL MARKS, REFERRED TO FC

	X (MM)	Y (MM)
1	106.000	-105.998
2	-105.996	-105.994
3	-106.004	106.001
4	106.001	105.998



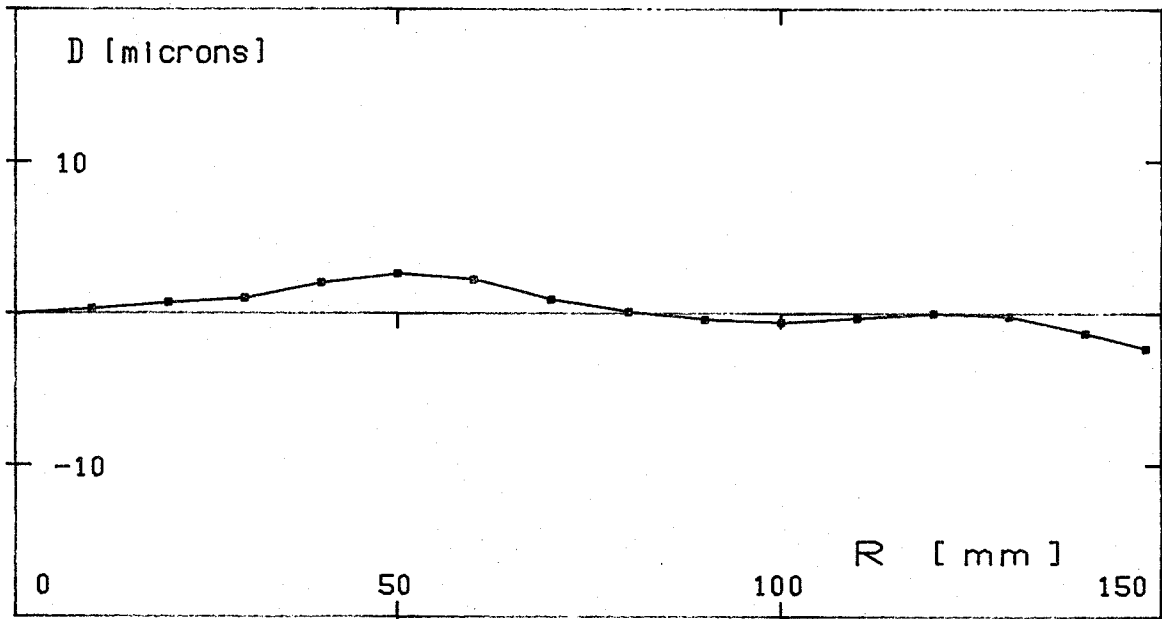
AS SEEN ON FOCAL PLANE FRAME

*Mu*

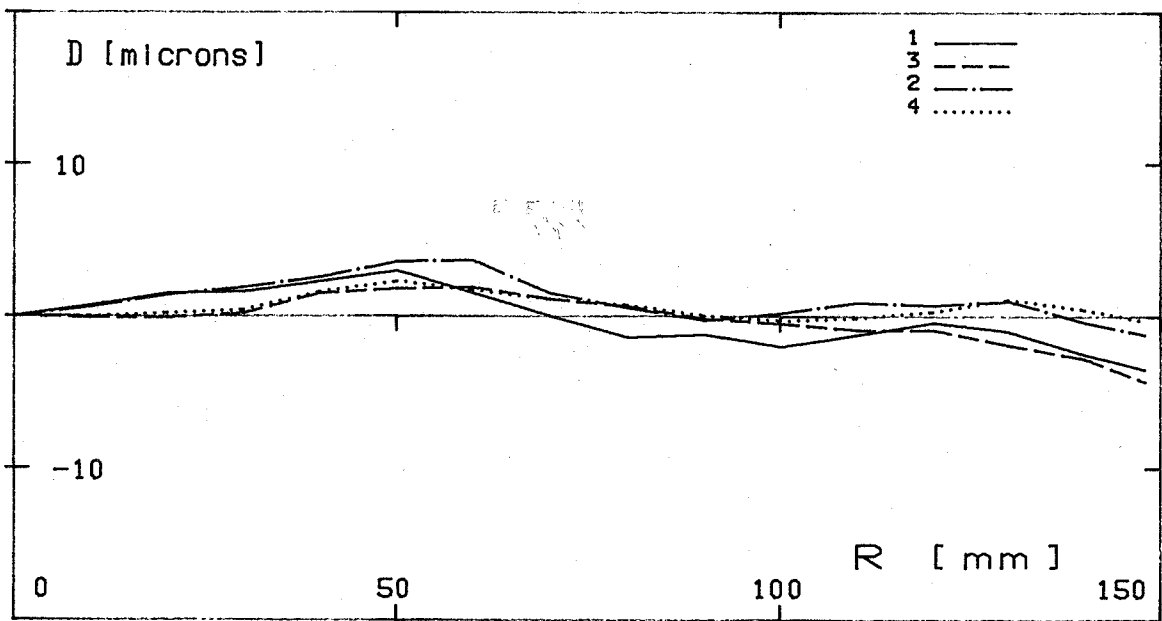
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FILTER ON CAMERA : --  
P.D. ( 900 m ) : 213.77 MM



MEAN RADIAL DISTORTION CURVE



RADIAL DISTORTION FOR SEMI-DIAGONALS REFERRED TO PPS

*Mu.*