

CAMERA CALIBRATION CERTIFICATE

CAMERA TYPE : RC20

LENS TYPE : 21 NAGIIA-F

LENS NO. : 7177

CALIBRATION DATE : 08.08.88

WILD HEERBRUGG LTD



CAMERA CALIBRATION

CAMERA: RC20 LENS: 21 NAGIIA-F NO.: 7177 CALIBRATION DATE: 08.08.88

APERTURE : F / 4.0
 FILTER ON GONIOMETER : 450 NM
 FILTER ON CAMERA : --

PRINCIPAL DISTANCE FOR FOCUSSING DISTANCE 900 M : 214.76 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	1.1	0.3	0.9	0.4	0.6
20	2.0	0.9	1.9	1.2	1.5
30	2.3	2.5	2.7	2.3	2.4
40	3.1	3.9	3.3	3.6	3.4
50	3.6	3.8	3.9	3.8	3.7
60	1.8	3.3	3.4	2.6	2.7
70	0.6	1.6	1.0	1.1	1.0
80	-1.6	0.5	-0.7	-0.2	-0.5
90	-2.1	-0.3	-2.5	-1.3	-1.5
100	-3.4	-1.8	-3.1	-2.5	-2.7
110	-3.0	-2.4	-3.2	-3.1	-2.9
120	-2.0	-2.5	-2.9	-3.3	-2.6
130	-0.3	-1.3	-1.5	-1.8	-1.2
140	1.2	0.7	0.0	0.0	0.4
148	3.8	1.9	2.1	1.7	2.3

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 : KODAK HC110 PREPARATION 2 SOLUTION C

ANGLE:	0	5	10	15	20	25	30	35
(DEGREES)								
RAD.	75	75	83	82	56	48	46	69
TANG.	75	84	73	70	47	40	57	51

AWAR (AREA WEIGHTED AVERAGE RESOLUTION) IN LP/MM : 57

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

REFERRED TO FC, SEE DIAGRAM

	X (MM)	Y (MM)
PPA	0.007	0.007
S	-0.001	0.006

FIDUCIAL MARKS, REFERRED TO FC

	X (MM)	Y (MM)
1	105.998	-106.000
2	-106.003	-106.005
3	-105.998	106.000
4	106.002	106.004

		3	(7)	4
	I			
	R N		Y	
	E S			
	C T			
	O R			
	R U	(6)	FC +----- X	(8)
	D M			
	I E			
	N N			
	G T			
	S			
		2	(5)	1

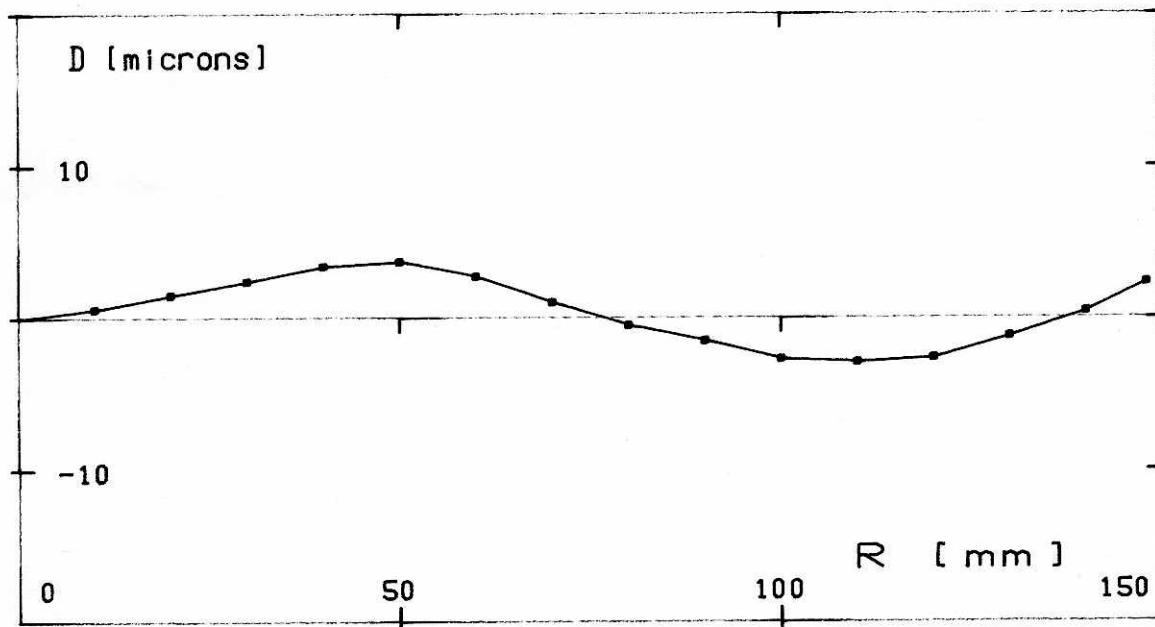
AS SEEN ON FOCAL PLANE FRAME

M

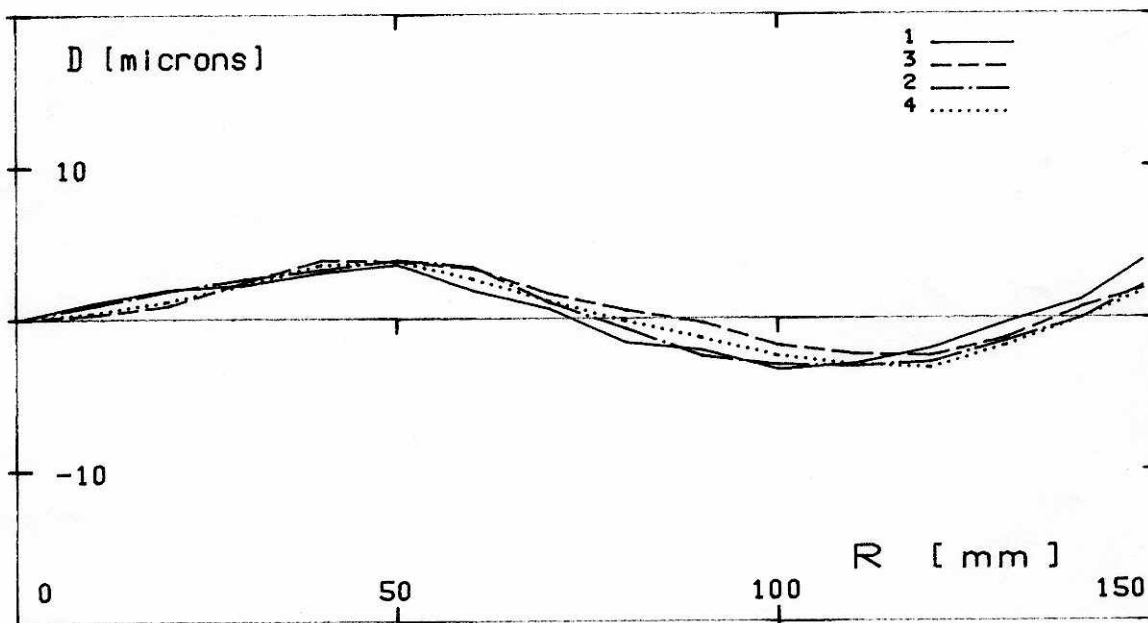
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 FILTER ON GONIOMETER : 450 NM
 FILTER ON CAMERA : --
 P.D. (900 m) : 214.76 MM



MEAN RADIAL DISTORTION CURVE



RADIAL DISTORTION FOR SEMI-DIAGONALS
 REFERRED TO PPS

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