

CAMERA CALIBRATION CERTIFICATE

CAMERA TYPE : RC10

LENS TYPE : 30 AT II

LENS NO. : 4151

CALIBRATION DATE : 08.05.84

WILD HEERBRUGG LTD



CAMERA CALIBRATION

CAMERA: RC10 LENS: 30 AT II NO.: 4151 CALIBRATION DATE: 08.05.84

APERTURE : F / 4.
FILTER ON GONIOMETER : 450 NM
FILTER ON CAMERA : --
PRINCIPAL DISTANCE FOR FOCUSING DISTANCE 850 M : 304.26 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	-1.2	-1.3	-0.9	-1.4	-1.2
20	-3.1	-3.1	-2.2	-3.3	-2.9
30	-5.2	-4.2	-4.3	-4.8	-4.6
40	-4.1	-3.9	-5.1	-5.0	-4.5
50	-3.9	-3.6	-4.8	-4.4	-4.1
60	-1.4	-2.1	-2.9	-1.8	-2.0
70	-0.1	-0.4	0.0	-0.1	-0.1
80	3.0	3.5	3.0	2.0	2.8
90	4.3	5.2	3.2	3.5	4.0
100	3.7	5.3	3.8	4.0	4.2
110	2.4	3.5	3.5	3.3	3.1
120	1.1	-0.1	0.1	0.4	0.3
130	-0.1	-1.8	-0.6	0.4	-0.5
140	-2.5	-2.8	-1.7	-0.7	-1.9
148	-0.5	0.1	-0.8	-2.7	-0.9

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 STUDIOAL LIQUID 1:15 6 MIN

ANGLE:	0	5	10	15	20	25
(DEGREES)						
RAD.	95	84	47	32	31	27
TANG.	95	84	65	44	47	49

AWAR (AREA WEIGHTED AVERAGE RESOLUTION) IN LP/MM : 45

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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	-0.006	0.006
S	-0.008	-0.001

IDUCIAL MARKS, REFERRED TO FC

	X (MM)	Y (MM)
1	105.998	-105.996
2	-106.008	-106.006
3	-106.000	105.999
4	105.999	105.998

		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

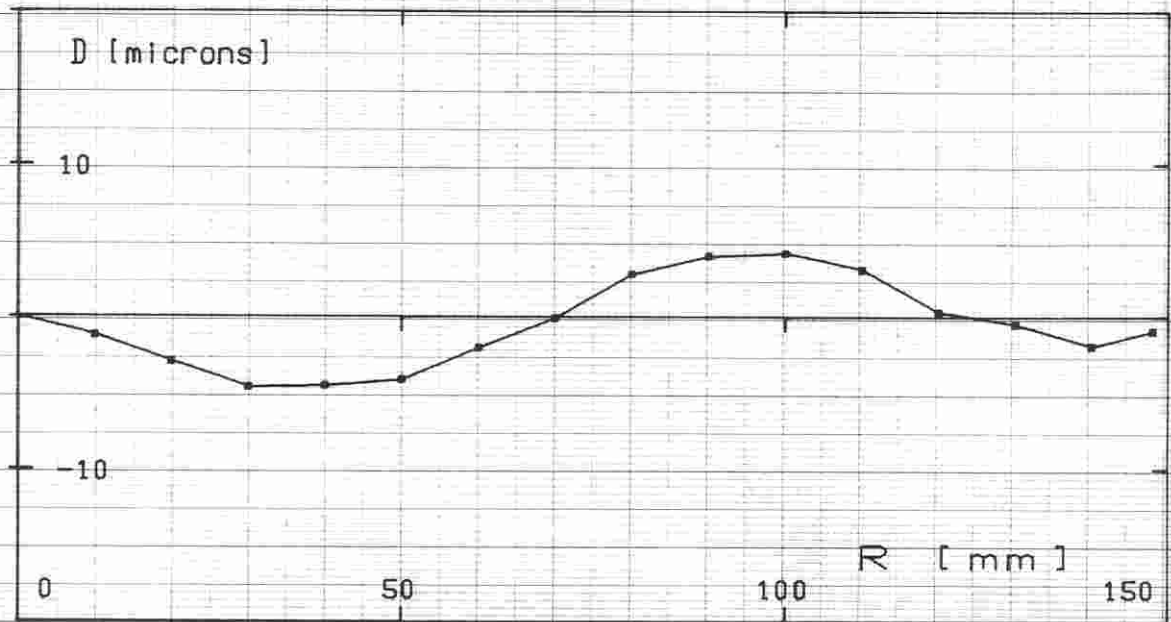
AS SEEN ON FOCAL PLANE FRAME



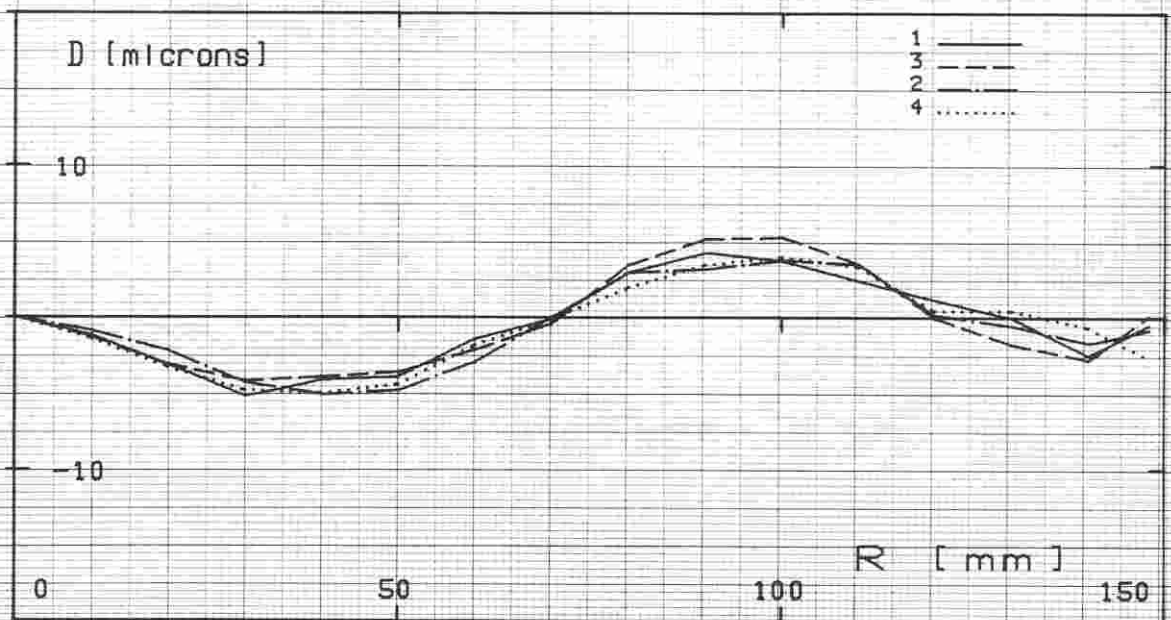
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APERTURE : F / 4.
FILTER ON GONIOMETER : 450 NM
FILTER ON CAMERA : --
P.D. (850m) : 304.26 MM



MEAN RADIAL DISTORTION CURVE



RADIAL DISTORTION FOR SEMI-DIAGONALS
REFERRED TO PPS