

CAMERA CALIBRATION CERTIFICATE

CAMERA TYPE : RC10

LENS TYPE : 21 NAG II

LENS NO. : 7171

CALIBRATION DATE : 05.03.84

WILD HEERBRUGG LTD



CAMERA CALIBRATION

CAMERA: RC10 LENS: 21 NAG II NO.: 7171 CALIBRATION DATE: 05.03.84

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)

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	0.4	0.1	0.5	0.2	0.3
20	0.7	0.3	0.8	0.4	0.5
30	0.8	0.5	1.5	0.6	0.8
40	1.0	1.8	1.8	1.4	1.4
50	1.4	1.2	1.9	1.3	1.4
60	0.6	1.1	2.2	0.7	1.1
70	-0.1	0.3	0.8	0.3	0.3
80	-1.4	-0.1	-0.2	-0.3	-0.5
90	-1.5	-0.6	-0.9	-0.4	-0.9
100	-2.0	-1.0	-0.8	-0.7	-1.1
110	-1.0	-0.8	0.9	0.6	0.0
120	-0.1	-0.1	1.2	1.5	0.6
130	-0.6	-1.2	1.8	1.8	0.4
140	-1.8	-1.9	1.0	1.4	-0.3
148	-2.9	-4.2	0.4	0.4	-1.5

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: (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

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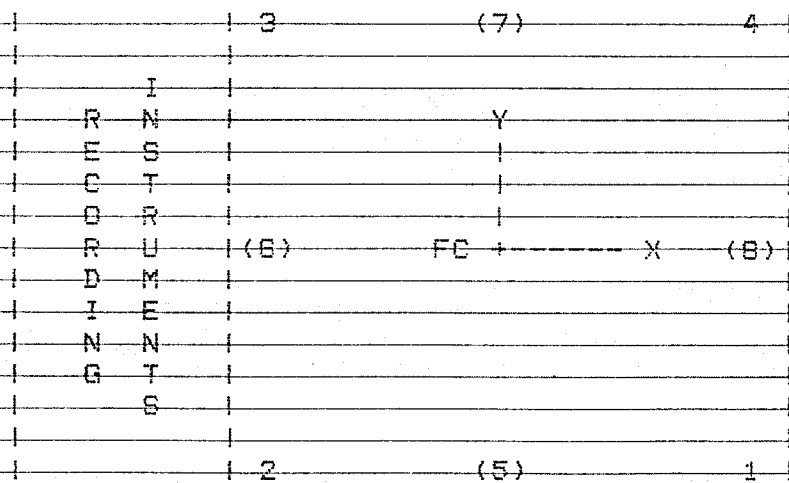
PRINCIPAL POINT OF AUTOCOLLIMATION (PPA) AND
PRINCIPAL POINT OF SYMMETRY (PPS)

REFERRED TO FC, SEE DIAGRAM

	X (MM)	Y (MM)
PPA	0.008	0.009
SPS	0.008	0.004

FIDUCIAL MARKS, REFERRED TO FC

	X (MM)	Y (MM)
1	106.000	106.001
2	105.999	106.001
3	106.001	106.002
4	106.004	106.005



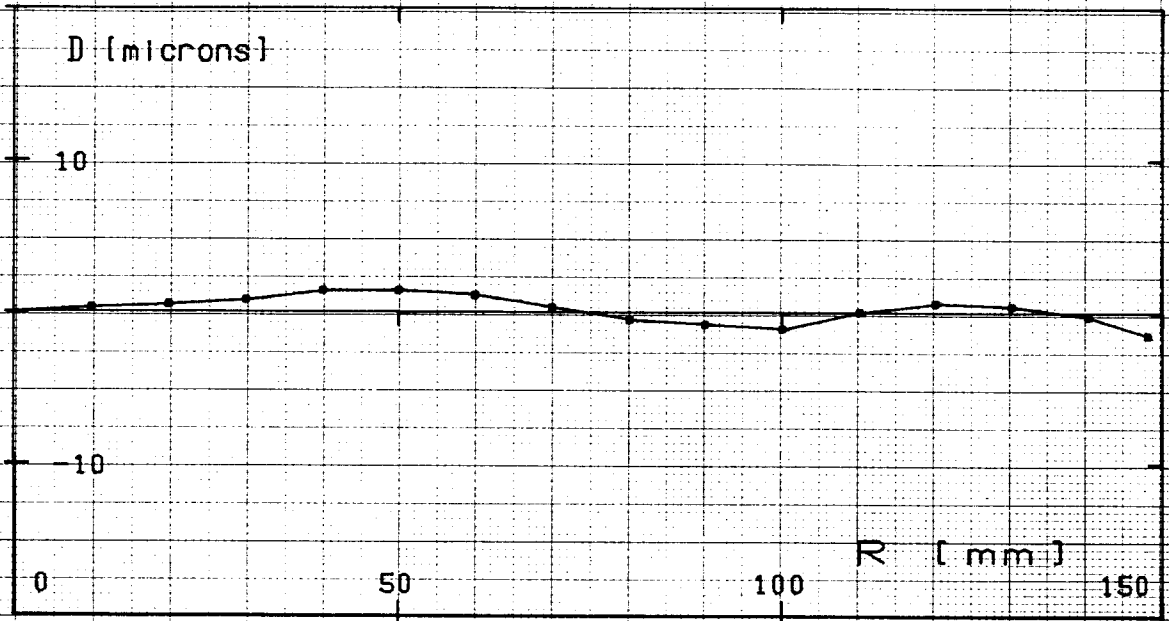
AS SEEN ON FOCAL PLANE FRAME

S

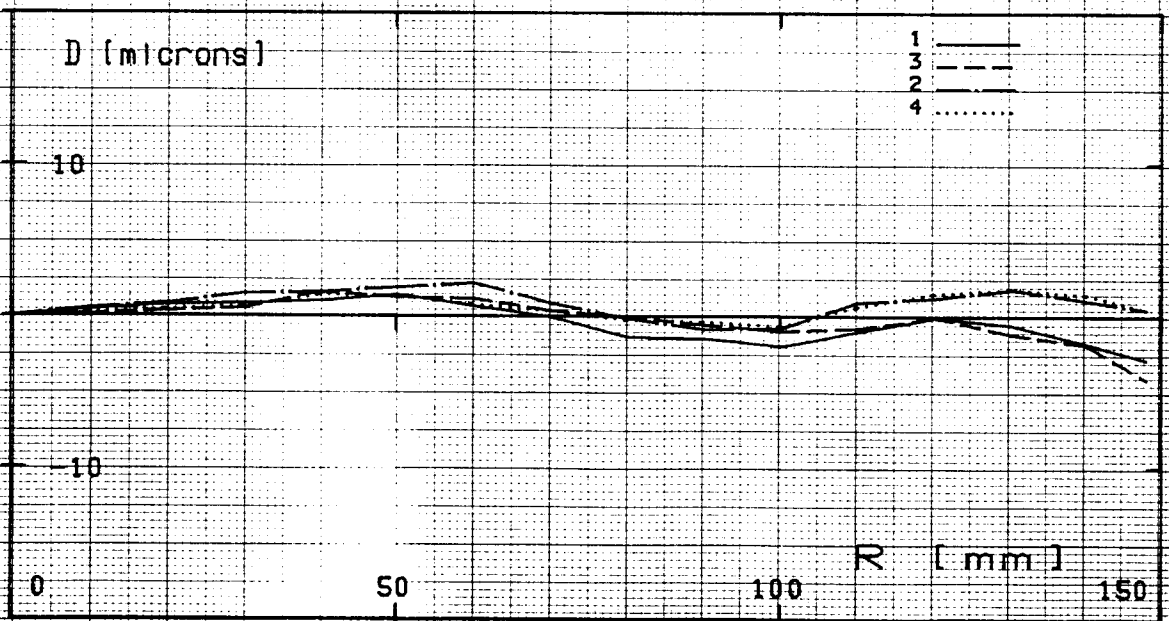
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FILTER ON CAMERA : --
P.D. (900m) : 213.77 MM



MEAN RADIAL DISTORTION CURVE



RADIAL DISTORTION FOR SEMI-DIAGONALS REFERRED TO PPS

