

CAMERA CALIBRATION CERTIFICATE

CAMERA TYPE : RC10

LENS TYPE : 21 NAG II

LENS NO. : 7171

CALIBRATION DATE : 30.11.84

WILD HEERBRUGG LTD



CAMERA CALIBRATION

CAMERA: RC10 LENS: 21 NAG II NO.: 7171 CALIBRATION DATE: 30.11.84

APERTURE : F / 4.0
 FILTER ON GONIOMETER : 450 NM
 FILTER ON CAMERA : --
 PRINCIPAL DISTANCE FOR FOCUSING 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	0.9	-0.1	0.5	0.0	0.3
20	1.1	-0.2	1.3	0.2	0.6
30	1.4	0.4	1.8	0.5	1.0
40	1.9	1.3	2.5	1.6	1.8
50	2.6	1.6	3.1	1.7	2.2
60	1.7	1.6	3.7	1.2	2.0
70	0.2	0.8	1.5	1.1	0.9
80	-1.3	0.4	0.0	0.2	-0.1
90	-1.3	-0.4	-0.6	-0.2	-0.6
100	-1.7	-1.3	0.1	-0.9	-0.9
110	-0.2	-1.0	1.0	-0.2	-0.1
120	0.4	-0.7	1.6	0.3	0.4
130	-0.6	-2.2	1.2	0.8	-0.2
140	-2.8	-2.2	-0.3	0.7	-1.1
148	-4.0	-3.0	-2.1	0.5	-2.1

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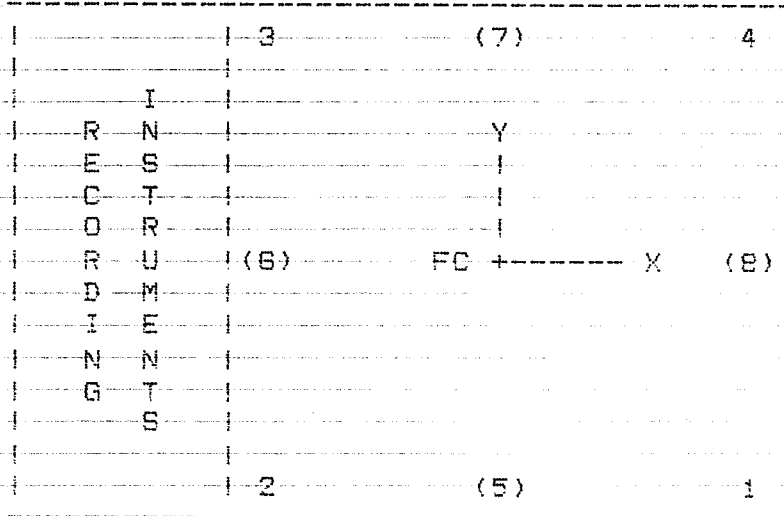
PRINCIPAL POINT OF AUTOCOLLIMATION (PPA) AND
 PRINCIPAL POINT OF SYMMETRY (PPS)

 REFERRED TO FC, SEE DIAGRAM

	X (MM)	Y (MM)
PPA	0.003	0.009
SPS	0.004	0.010

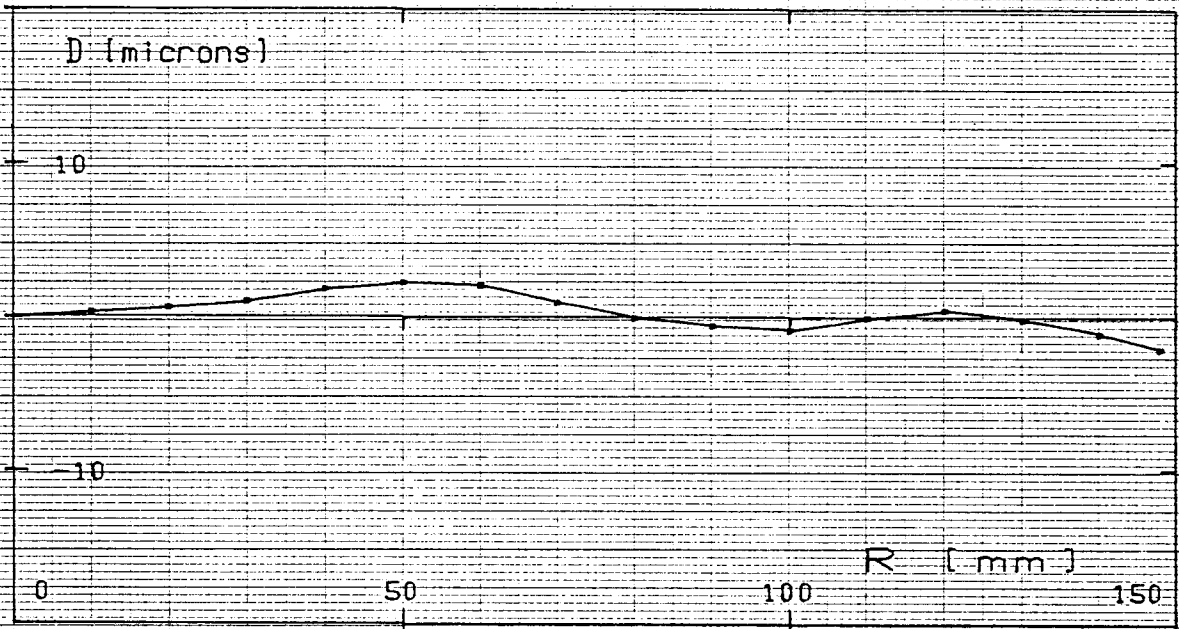
 FIDUCIAL MARKS, REFERRED TO FC

	X (MM)	Y (MM)
1	106.000	-106.003
2	-105.998	-105.998
3	-106.006	106.007
4	106.001	106.001

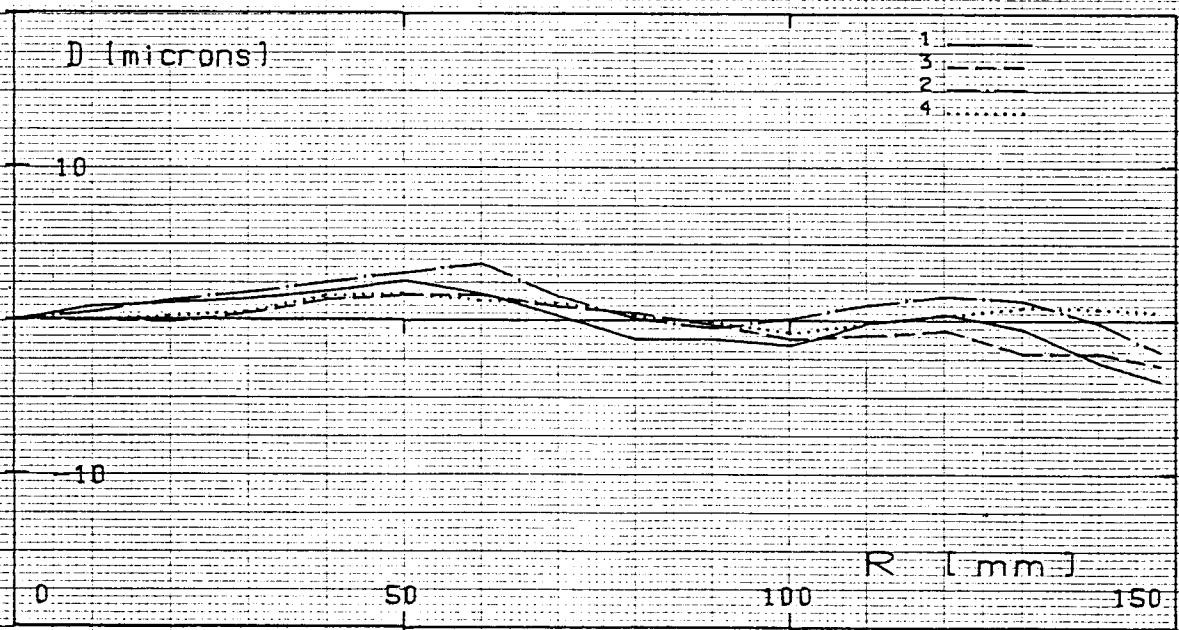


AS SEEN ON FOCAL PLANE FRAME

APERTURE : F / 4.0
 FILTER ON GONIDMETER : 450 NM
 FILTER ON CAMERA : --
 P.D. (900m) : 213.77 MM



MEAN RADIAL DISTORTION CURVE



RADIAL DISTORTION FOR SEMI-DIAGONALS REFERRED TO PPS