

CAMERA CALIBRATION CERTIFICATE

CAMERA TYPE : RC10

LENS TYPE : 21 NAG II

LENS NO. : 7171

CALIBRATION DATE : 08.01.88

WILD HEERBRUGG LTD



CAMERA CALIBRATION

CAMERA: RC10 LENS: 21 NAG II NO.: 7171 CALIBRATION DATE: 06.01.86

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	
0	0.8	0.1	0.5	0.1	0.3
20	1.0	0.5	1.4	1.0	0.9
30	0.9	0.9	1.7	1.0	1.1
40	1.7	2.0	2.2	1.8	1.9
50	2.6	2.0	2.6	2.0	2.3
60	0.9	1.9	3.1	1.7	1.9
70	-0.1	1.2	0.8	1.4	0.8
80	-1.3	1.0	0.1	1.3	0.2
90	-1.1	0.1	-0.2	0.3	-0.2
100	-1.7	-0.2	0.2	0.1	-0.4
110	-0.6	-0.2	1.5	0.7	0.3
120	-0.4	-0.4	1.7	1.3	0.5
130	-1.2	-2.0	1.9	1.6	0.0
140	-2.5	-4.0	0.2	0.0	-1.5
148	-5.3	-6.2	-2.0	-1.1	-3.6

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 STUDIOLAN LIQUID 1:15 6 MIN

ANGLE:	0	5	10	15	20	25	30	35
(DEGREES)								
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.

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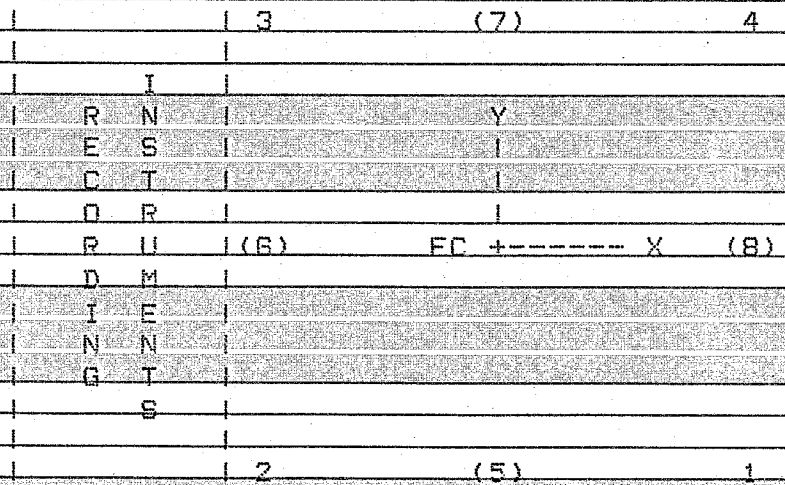
PRINCIPAL POINT OF AUTOCOLLIMATION (PPA) AND
PRINCIPAL POINT OF SYMMETRY (PPS)

REFERRED TO FC, SEE DIAGRAM

	X (MM)	Y (MM)
PPA	0.013	0.023
SPS	0.017	0.016

FIDUCIAL MARKS, REFERRED TO FC

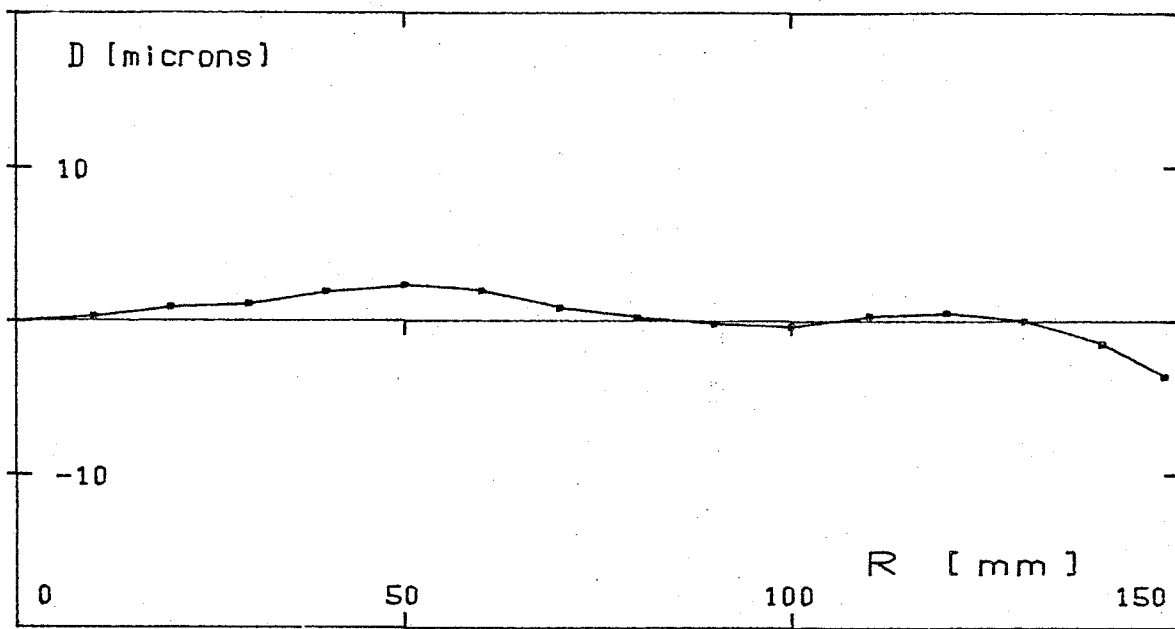
	X (MM)	Y (MM)
1	106.002	-106.000
2	-105.997	-105.995
3	-106.003	106.000
4	106.003	106.000



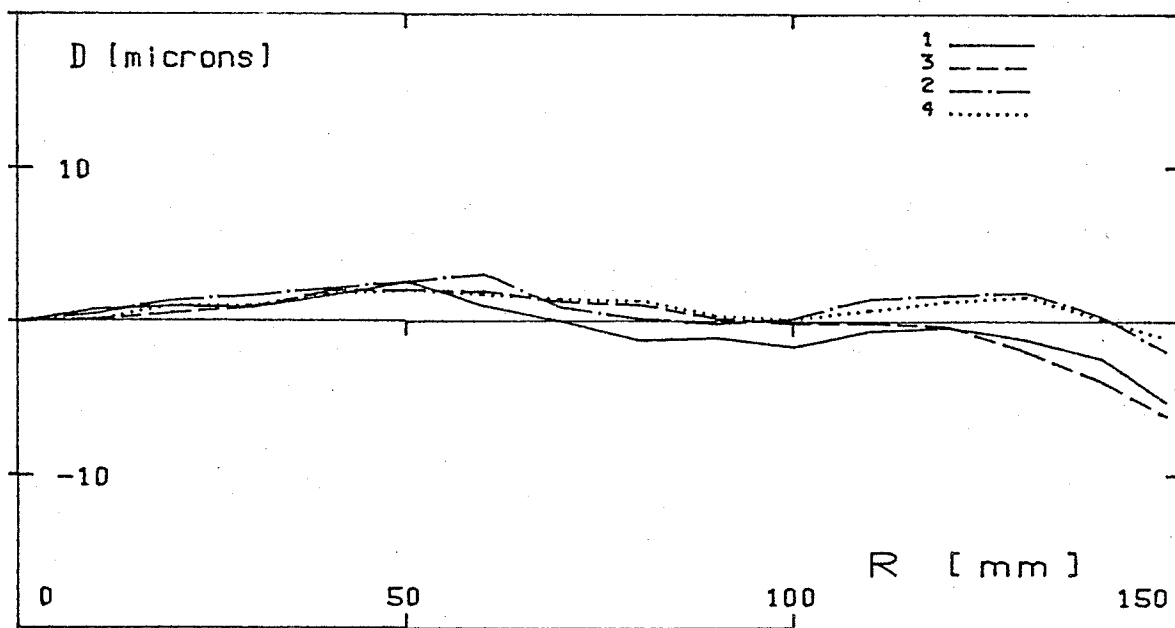
AS SEEN ON FOCAL PLANE FRAME

M.

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



MEAN RADIAL DISTORTION CURVE



RADIAL DISTORTION FOR SEMI-DIAGONALS REFERRED TO PPS

Mc.