

CAMERA CALIBRATION CERTIFICATE

CAMERA TYPE : RC10

LENS TYPE : 21 NAG II

LENS NO. : 7172

CALIBRATION DATE : 30.03.84

WILD HEERBRUGG LTD



CAMERA CALIBRATION

CAMERA: RC10 LENS: 21 MAG II NO.: 7172 CALIBRATION DATE: 30.03.84

APERTURE : F / 4.0
 FILTER ON GONIOMETER : 450 NM
 FILTER ON CAMERA : ---
 PRINCIPAL DISTANCE FOR FOCUSSING DISTANCE 900 M : 213.91 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	0.6	0.1	0.3
20	1.0	0.2	1.3	0.7	0.8
30	1.0	1.0	1.8	1.0	1.2
40	1.5	1.8	1.8	2.3	1.8
50	1.6	1.5	1.8	1.8	1.7
60	0.5	1.1	1.7	0.9	1.0
70	0.1	0.0	0.5	0.3	0.2
80	-0.9	-0.5	0.1	-0.7	-0.5
90	-0.4	-0.7	-0.3	-0.7	-0.5
100	-1.3	-1.2	-0.1	-0.9	-0.8
110	-1.4	-1.2	-0.3	0.2	-0.6
120	-0.4	-0.5	-0.3	1.2	0.0
130	-0.3	-0.5	0.2	1.4	0.2
140	-1.3	-0.4	0.3	0.3	-0.2
148	-1.5	-2.3	0.2	-1.0	-1.1

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:	0	5	10	15	20	25	30	35
(DEGREES)								
RAD.	85	84	83	82	40	43	37	49
TANG.	85	84	85	56	53	55	50	45

AWAR (AREA WEIGHTED AVERAGE RESOLUTION) IN LP/MM : 53

CAMERA CALIBRATION

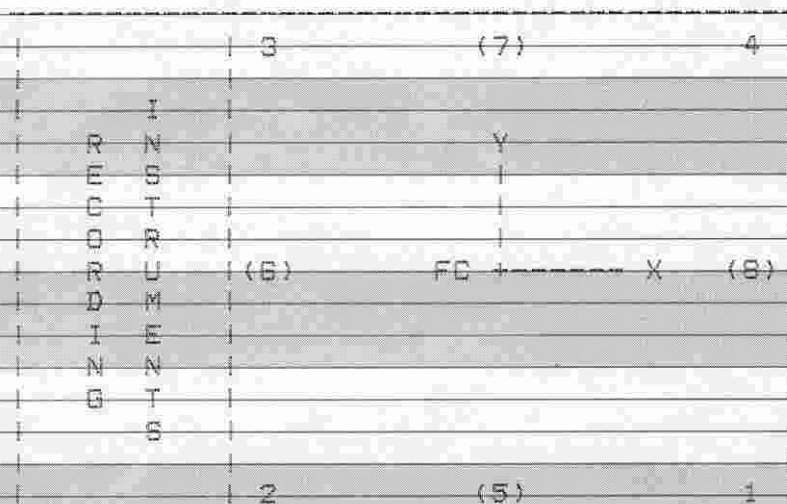
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PRINCIPAL POINT OF AUTOCOLLIMATION (PPA) AND
PRINCIPAL POINT OF SYMMETRY (PPS)-----
REFERRED TO FC, SEE DIAGRAM

	X (MM)	Y (MM)
PPA	0.002	0.006
PPS	0.003	0.006

REFUGIAL MARKS, REFERRED TO FC

	X (MM)	Y (MM)
1	106.005	-106.001
2	-106.004	-106.001
3	-106.007	106.004
4	106.004	106.001

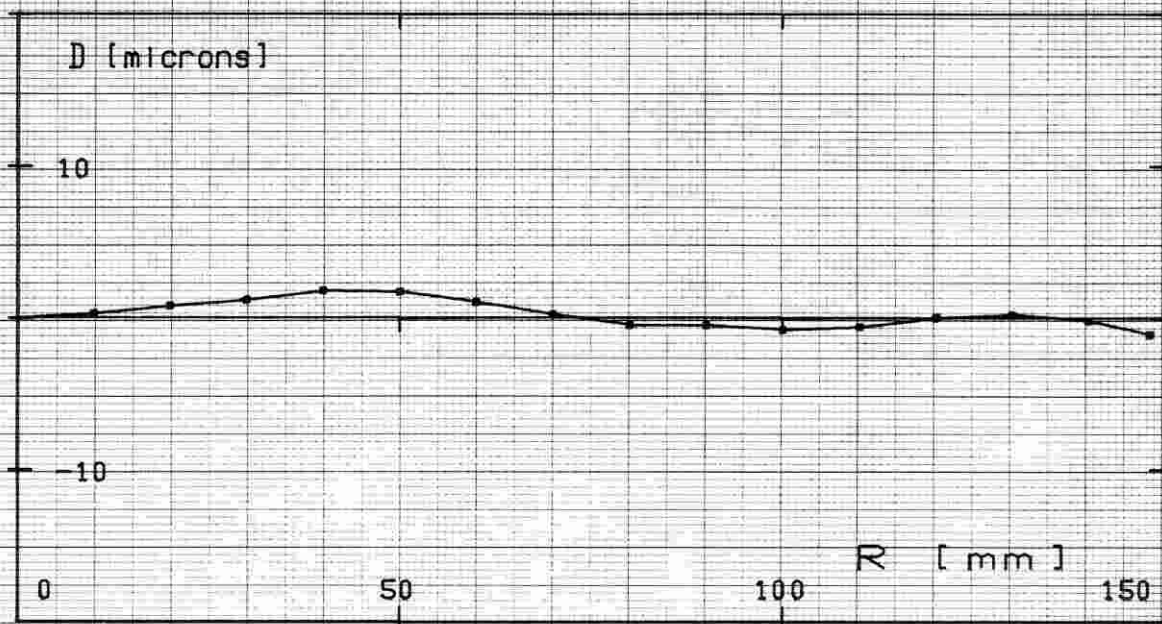


AS SEEN ON FOCAL PLANE FRAME

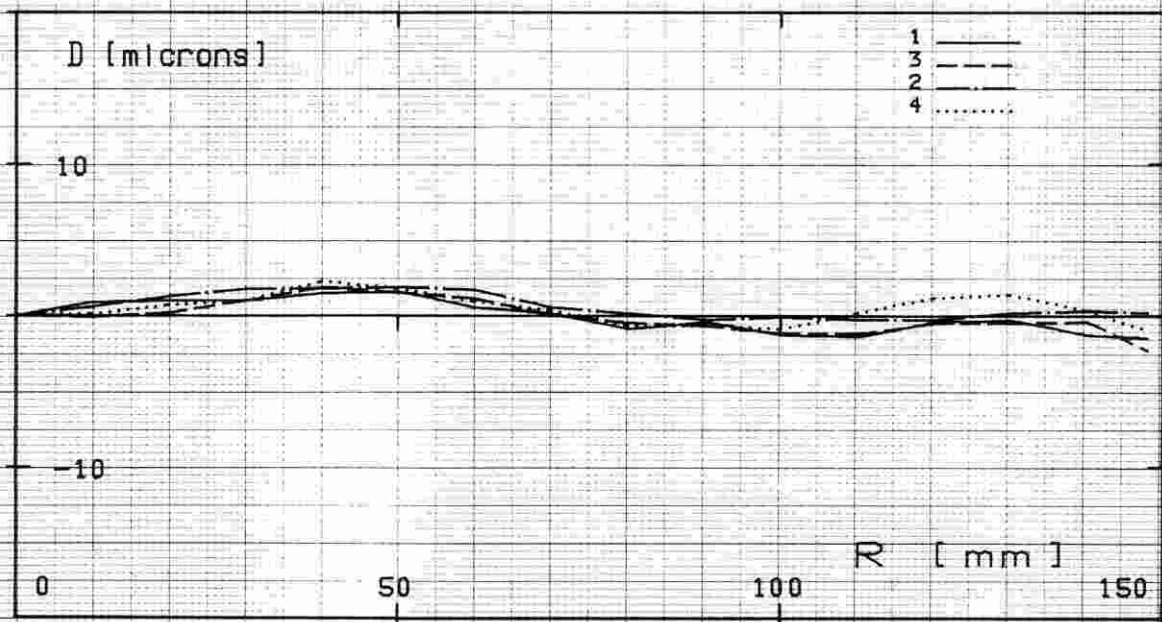
RC10 21 NAG II NO. 7172

30.03.84

APERTURE : F / 4.0
 FILTER ON GONIOMETER : 450 NM
 FILTER ON CAMERA : --
 P.D. (900m) : 213.91 MM



MEAN RADIAL DISTORTION CURVE



RADIAL DISTORTION FOR SEMI-DIAGONALS
 REFERRED TO PPS

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