

CAMERA CALIBRATION CERTIFICATE

CAMERA TYPE : RC10

LENS TYPE : 21 NAG II

LENS NO. : 7111

CALIBRATION DATE : 10.02.84

WILD HEERBRUGG LTD



CAMERA CALIBRATION

CAMERA: RC10 LENS: 21 NAG II NO.: 7111 CALIBRATION DATE: 10.02.84

APERTURE : F / 4.0
FILTER ON GONIOMETER : 450 NM
FILTER ON CAMERA : --
PRINCIPAL DISTANCE FOR FOCUSSING DISTANCE 900 M : 213.79 MM

RADIAL DISTORTION (MICROMETERS)

REFERRED TO PRINCIPAL POINT OF SYMMETRY (PPS)
(POSITIVE VALUES DENOTE IMAGE DISPLACEMENT AWAY FROM CENTER)

RADIUS	SEMI - DIAGONALS				MEAN
MM	1	3	2	4	
10	0.6	0.0	0.7	0.1	0.3
20	0.9	0.6	0.9	0.4	0.7
30	1.2	1.1	1.4	0.6	1.0
40	1.3	1.8	1.4	1.3	1.4
50	1.8	1.4	1.4	1.2	1.4
60	0.5	1.2	0.9	0.4	0.7
70	-0.6	-0.1	-0.7	-0.1	-0.3
80	-1.2	0.0	-1.0	-0.6	-0.7
90	-0.3	0.0	-1.3	-0.7	-0.5
100	-0.2	0.1	-0.2	-0.9	-0.3
110	0.8	0.6	0.4	-0.2	0.4
120	1.3	0.7	-0.2	0.0	0.4
130	1.1	0.5	-0.2	0.3	0.4
140	0.0	0.8	-1.0	-0.4	-0.1
148	-1.5	-2.2	-2.4	-3.1	-2.3

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:	0	5	10	15	20	25	30	35
(DEGREES)								
RAD.	85	75	83	82	50	38	33	39
TANG.	85	84	82	63	59	49	50	40

AWAR (AREA WEIGHTED AVERAGE RESOLUTION) IN LP/MM : 54

CAMERA CALIBRATION

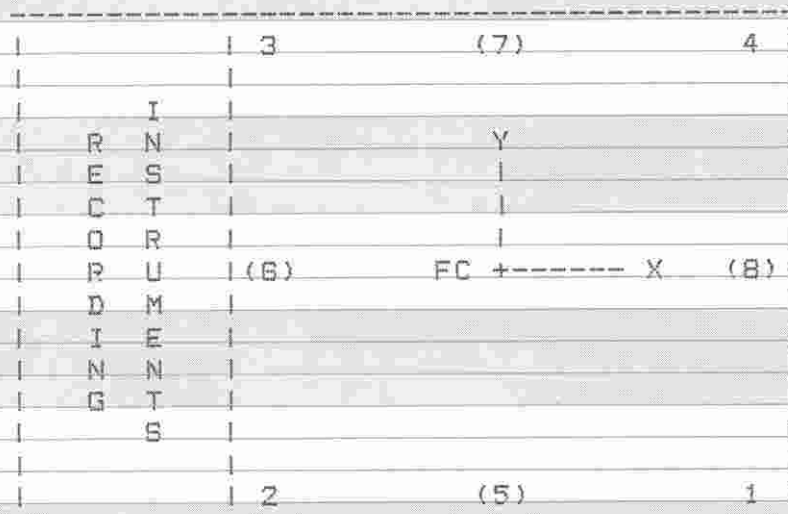
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PRINCIPAL POINT OF AUTOCOLLIMATION (PPA) AND
PRINCIPAL POINT OF SYMMETRY (PPS)-----
REFERRED TO FC, SEE DIAGRAM

	X (MM)	Y (MM)
PPA	0.019	-0.003
S	0.012	-0.004

FIDUCIAL MARKS, REFERRED TO FC

	X (MM)	Y (MM)
1	106.000	-106.999
2	-106.001	-106.001
3	-106.003	106.003
4	106.002	106.002

Kont. durch *Plm* 11.6.92

AS SEEN ON FOCAL PLANE FRAME

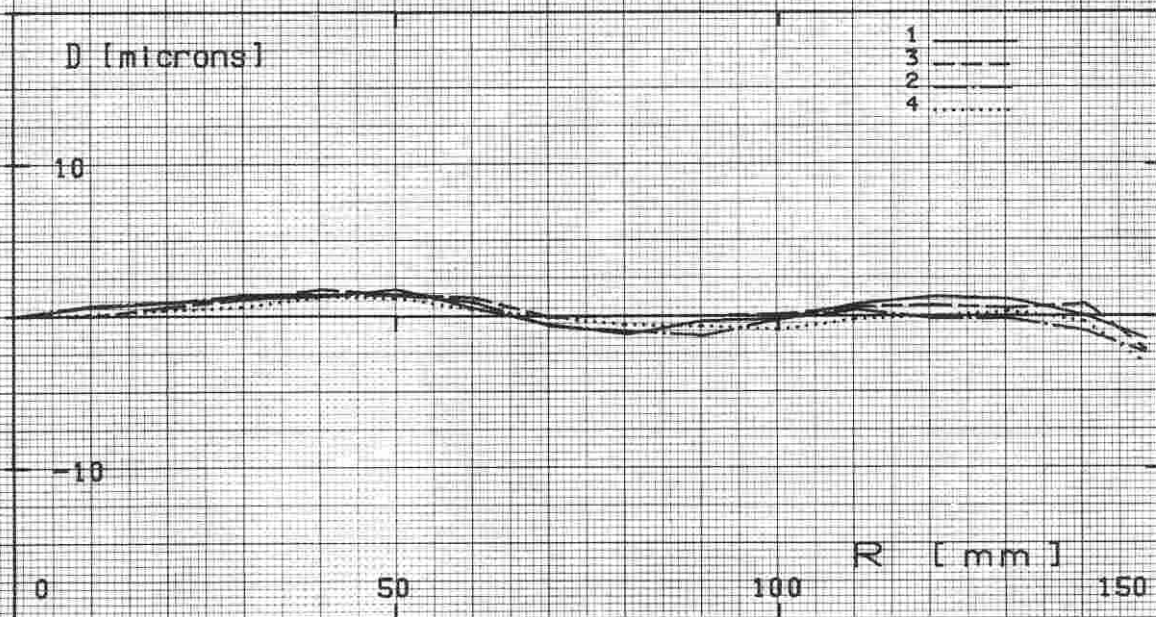
RC10 21 NAG II NO. 7111

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APERTURE : F / 4.0
 FILTER ON GONIOMETER : 450 NM
 FILTER ON CAMERA : --
 P.D. (900m) : 213.79 MM



MEAN RADIAL DISTORTION CURVE



RADIAL DISTORTION FOR SEMI-DIAGONALS
 REFERRED TO PPS