

CAMERA CALIBRATION CERTIFICATE

CAMERA TYPE : RC10

LENS TYPE : 21 NAG II

LENS NO. : 7102

CALIBRATION DATE : 01.10.84

WILD HEERBRUGG LTD



CAMERA CALIBRATION

CAMERA: RC10 LENS: 21 NAG II NO.: 7102 CALIBRATION DATE: 01.10.84

APERTURE : F / 4.0
 FILTER ON GONIDMETER : 450 NM
 FILTER ON CAMERA : --
 PRINCIPAL DISTANCE FOR FOCUSSING DISTANCE 900 M : 213.56 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	0.5	0.4	0.6	0.3	0.4
20	0.6	0.5	1.0	0.5	0.6
30	0.7	0.9	2.0	1.0	1.1
40	1.2	1.4	2.0	1.5	1.5
50	0.9	0.8	1.7	1.2	1.1
60	0.1	0.6	1.9	0.7	0.8
70	-0.3	-0.6	0.6	-0.1	-0.1
80	-1.9	-1.0	-0.3	-0.3	-0.8
90	-1.5	-1.1	-0.7	-0.7	-1.0
100	-2.5	-1.6	-0.3	-0.9	-1.3
110	-1.7	-1.8	0.4	0.1	-0.7
120	-1.1	-1.3	0.5	0.4	-0.3
130	-0.8	-1.3	1.7	1.7	0.3
140	-1.3	-0.6	1.9	2.3	0.5
148	-1.2	-2.2	1.2	2.1	0.0

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 STUDIOLAL LIQUID 1:15 6 MIN

ANGLE: (DEGREES)	0	5	10	15	20	25	30	35
RAD.	75	60	66	92	50	43	37	44
TANG.	75	67	52	79	59	49	40	32

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

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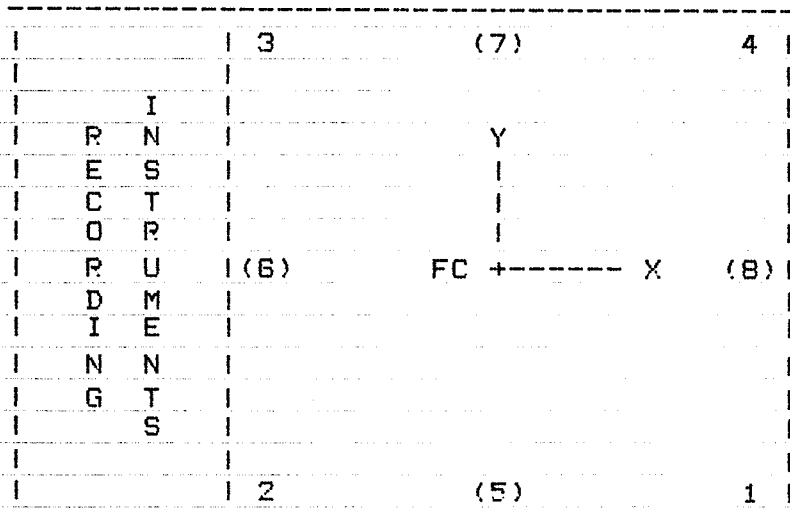
PRINCIPAL POINT OF AUTOCOLLIMATION (PPA) AND
PRINCIPAL POINT OF SYMMETRY (PPS)

REFERRED TO FC, SEE DIAGRAM

	X (MM)	Y (MM)
PPA	-0.001	0.013
SPS	0.001	-0.006

FIDUCIAL MARKS, REFERRED TO FC

	X (MM)	Y (MM)
1	106.004	-106.005
2	-106.000	-106.000
3	-106.003	106.003
4	106.002	106.002



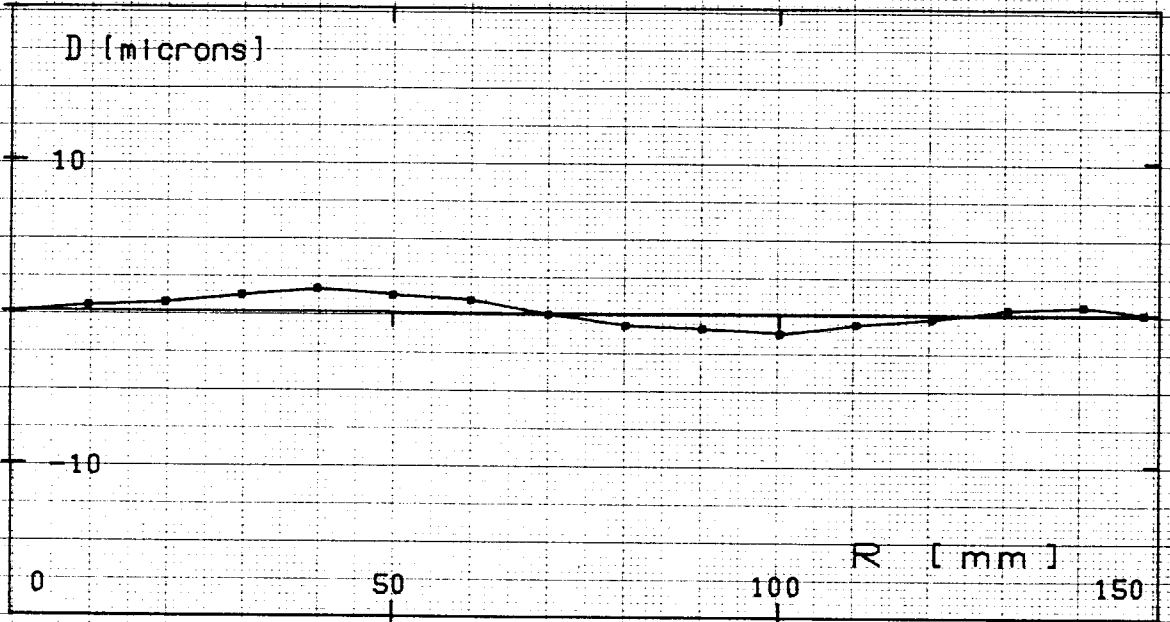
AS SEEN ON FOCAL PLANE FRAME

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FILTER ON CAMERA : --
P.D. (900m) : 213.56 MM



MEAN RADIAL DISTORTION CURVE



RADIAL DISTORTION FOR SEMI-DIAGONALS REFERRED TO PPS