

CAMERA CALIBRATION CERTIFICATE

CAMERA TYPE : RC10
LENS TYPE : 15/4 UAG
LENS NO. : 13027

CALIBRATION DATE : 07.12.88

WILD HEERBRUGG LTD



CAMERA CALIBRATION

CAMERA: RC10 LENS: 15/4 UAG NO.: 13027 CALIBRATION DATE: 07.12.88

APERTURE : F / 4.0
 FILTER ON GONIOMETER : VIS (400 - 700 NM)
 FILTER ON CAMERA : --
 CALIBRATED FOCAL LENGTH : 152.60 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	0.7	-0.2	0.3	0.0	0.2
20	0.8	-0.1	0.6	0.3	0.4
30	0.3	-0.1	0.7	0.1	0.2
40	0.0	0.0	0.2	0.0	0.0
50	0.0	-0.5	0.0	-0.1	-0.1
60	-0.5	0.0	0.7	-0.3	0.0
70	0.2	-0.2	0.1	0.1	0.0
80	0.2	0.7	0.8	0.7	0.6
90	1.2	1.1	1.2	1.0	1.1
100	1.0	1.0	1.6	1.1	1.1
110	1.3	0.8	1.6	1.4	1.2
120	0.8	0.3	0.3	0.5	0.5
130	-0.4	-1.0	-0.1	0.0	-0.3
140	-2.3	-1.2	-1.5	-0.9	-1.4
148	-2.5	-2.1	-1.5	-1.3	-1.8

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 5 MIN.

ANGLE:	0	5	10	15	20	25	30	35	40	45
(DEGREES)										
RAD.	95	106	104	81	70	61	73	87	57	38
TANG.	95	94	82	79	66	59	63	63	49	33

AWAR (AREA WEIGHTED AVERAGE RESOLUTION) IN LP/MM : 68

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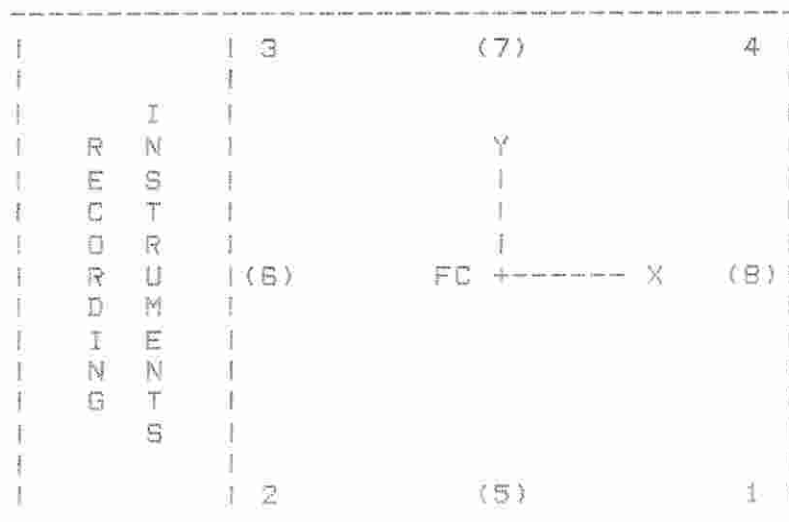
PRINCIPAL POINT OF AUTOCOLLIMATION (PPA) AND
PRINCIPAL POINT OF SYMMETRY (PPS)

REFERRED TO EC, SEE DIAGRAM

	X (MM)	Y (MM)
FPA	-0.008	0.003
S	-0.013	-0.003

FIDUCIAL MARKS, REFERRED TO FC

	X (MM)	Y (MM)
1	106.000	-105.999
2	-106.003	-106.002
3	-105.998	105.997
4	106.002	106.001



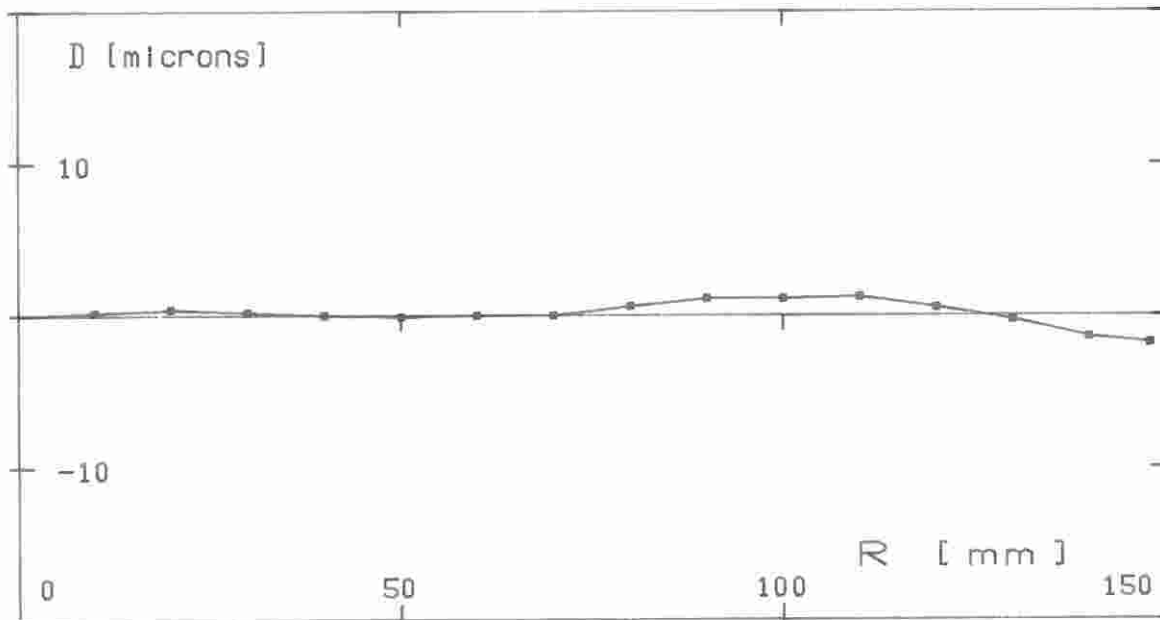
AS SEEN ON FOCAL PLANE FRAME



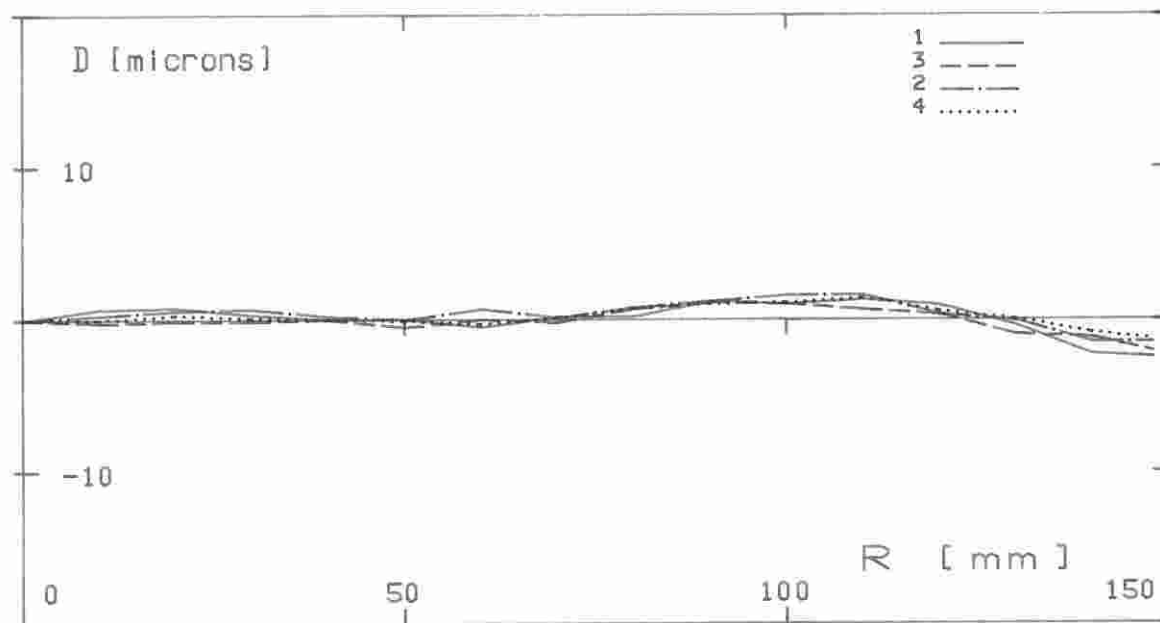
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APERTURE : F / 4.0
FILTER ON GONIOMETER : VIS (400 - 700 NM)
FILTER ON CAMERA : --
C.F.L. : 152.60 MM



MEAN RADIAL DISTORTION CURVE



RADIAL DISTORTION FOR SEMI-DIAGONALS
REFERRED TO PPS

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