

CAMERA CALIBRATION CERTIFICATE

CAMERA TYPE : RC10
LENS TYPE : 8.8 SAG II
LENS NO. : 2152

CALIBRATION DATE : 31.05.83

WILD HEERBRUGG LTD



CAMERA CALIBRATION

CAMERA: RC10 LENS: 8.8 SAG II NO.: 2152 CALIBRATION DATE: 31.05.83

APERTURE : F / 5.6
 FILTER ON GONIOMETER : 450 NM
 FILTER ON CAMERA : --
 CALIBRATED FOCAL LENGTH : 88.06 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	-1.6	-1.1	-1.8	-1.3
20	-2.5	-3.3	-2.9	-3.6	-3.0
30	-5.2	-5.3	-5.4	-6.4	-5.5
40	-6.8	-7.0	-7.1	-8.3	-7.3
50	-7.1	-7.9	-7.7	-9.1	-7.9
60	-6.3	-6.4	-6.1	-8.3	-6.7
70	-2.8	-3.5	-3.3	-4.9	-3.6
80	1.5	1.3	1.3	-0.2	0.9
90	6.5	5.8	5.4	4.5	5.5
100	8.9	8.5	8.8	8.1	8.5
110	7.6	6.8	7.6	7.3	7.3
120	1.4	0.6	0.2	2.0	1.0
130	-8.1	-9.0	-8.8	-6.1	-8.0
140	-16.2	-16.7	-16.5	-13.2	-15.6
148	-0.1	1.6	3.3	1.6	1.6

PHOTOGRAPHIC RESOLUTION (LINE PAIRS PER MILLIMETER)

 INTERNATIONAL 3-LINE TEST-CHART, CONTRAST (LOG) : 2.0

APERTURE : 5.6
 FILTER : 450 NM
 FILM : AGFAPAN 25 PROFESSIONAL (ASA SPEED: 25)
 DEVELOPER : AGFA-GEVAERT STUDIONAL LIQUID 1:15 6 MIN

ANGLE: (DEGREES)	0	5	10	15	20	25	30	35	40	45	50	55	60
RAD.	81	91	101	78	38	29	25	30	39	64	52	47	18
TANG.	81	91	88	76	72	67	54	61	60	51	34	38	23

AWAR (AREA WEIGHTED AVERAGE RESOLUTION) IN LP/MM : 47

Handwritten mark

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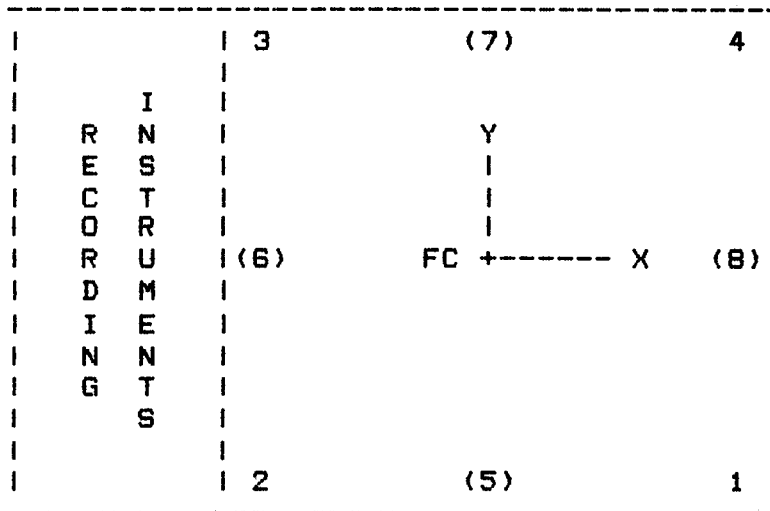
PRINCIPAL POINT OF AUTOCOLLIMATION (PPA) AND
PRINCIPAL POINT OF SYMMETRY (PPS)

REFERRED TO FC, SEE DIAGRAM

	X (MM)	Y (MM)
PPA	0.004	-0.003
S	-0.001	-0.007

FIDUCIAL MARKS, REFERRED TO FC

	X (MM)	Y (MM)
1	106.002	-106.002
2	-105.995	-105.994
3	-106.003	106.003
4	106.004	106.003

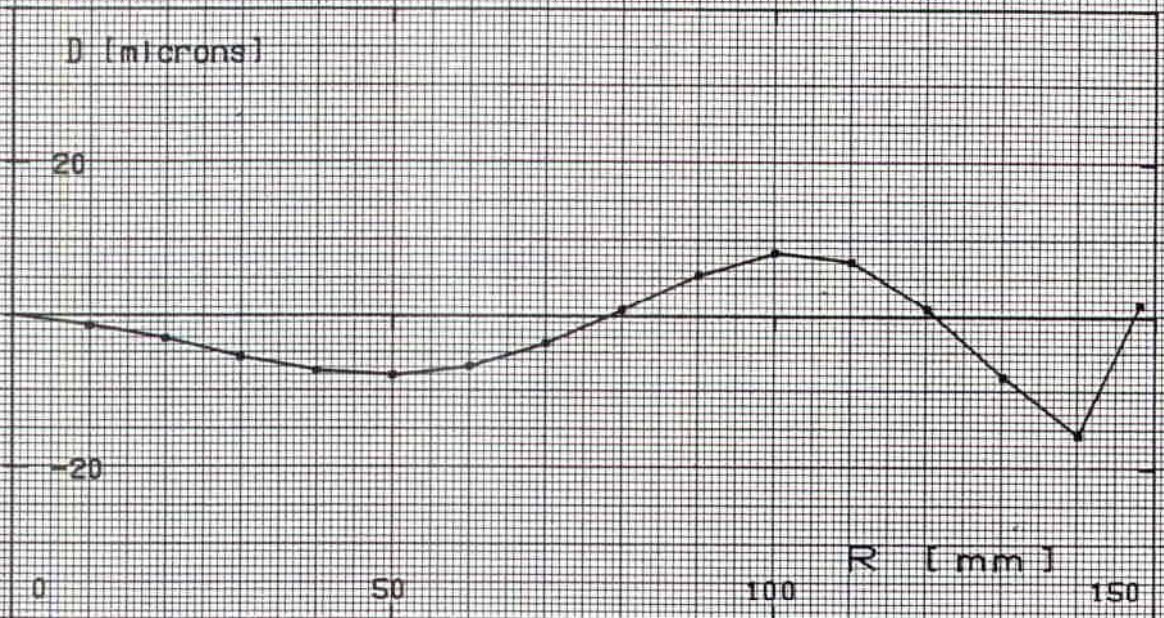


AS SEEN ON FOCAL PLANE FRAME

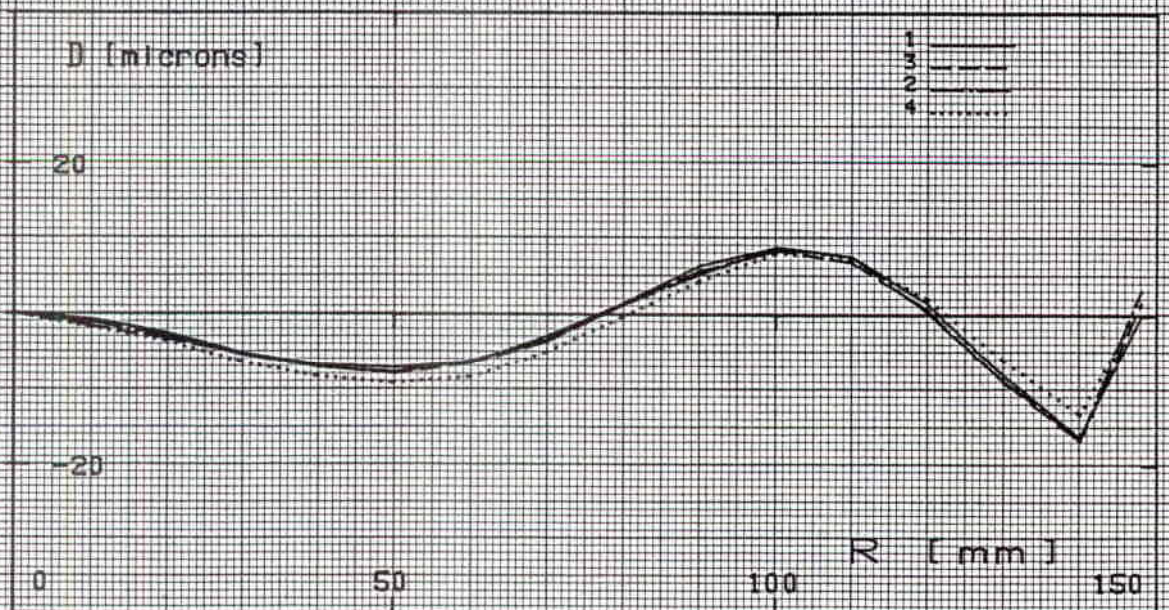
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FILTER ON CAMERA : --
C.F.L. : 88.06 MM



MEAN RADIAL DISTORTION CURVE



RADIAL DISTORTION FOR SEMI-DIAGONALS
REFERRED TO PPS