

CAMERA CALIBRATION CERTIFICATE

CAMERA TYPE : RC10

LENS TYPE : 30 AT II

LENS NO. : 4117

CALIBRATION DATE : 05.03.85

WILD HEERBRUGG LTD



CAMERA CALIBRATION

CAMERA: RC10 LENS: 30 AT 11 NO.: 4117 CALIBRATION DATE: 05.03.85

APERTURE : F / 4.0
FILTER ON GONIOMETER : 450 NM
FILTER ON CAMERA : --
PRINCIPAL DISTANCE FOR FOCUSING DISTANCE 850 M : 305.02 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	-0.3	-1.9	-0.4	-1.8	-1.1
20	-1.3	-3.4	-1.9	-3.9	-2.6
30	-3.4	-3.2	-3.8	-4.2	-3.6
40	-4.0	-3.0	-4.2	-3.6	-3.7
50	-2.9	-3.1	-3.5	-3.0	-3.1
60	-2.3	-1.2	-1.9	-1.8	-1.8
70	-0.9	0.5	-0.8	0.3	-0.2
80	0.0	2.8	0.3	2.6	1.4
90	2.5	4.0	2.0	3.0	2.8
100	2.4	3.6	2.9	3.3	3.0
110	2.4	2.6	2.1	2.9	2.5
120	0.8	-0.6	0.3	-0.5	0.0
130	-1.3	-2.4	-1.4	-2.0	-1.7
140	-1.2	-2.0	-0.7	-2.1	-1.5
148	1.6	1.4	2.3	2.4	1.9

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 : KODAK HC110 PREPARATION 2 SOLUTION C

ANGLE:	0	5	10	15	20	25
(DEGREES)						
RAD.	84	84	52	36	40	21
TANG.	84	84	73	49	37	22

AWAR (AREA WEIGHTED AVERAGE RESOLUTION) IN LP/MM : 46

CAMERA CALIBRATION

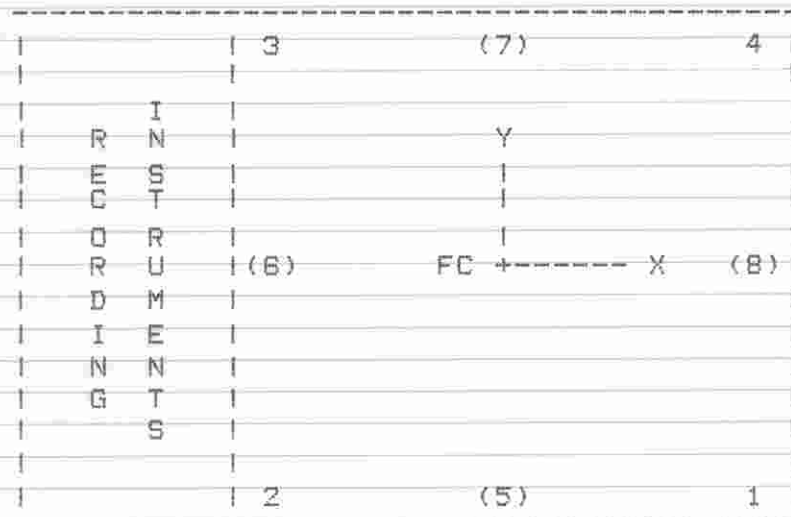
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PRINCIPAL POINT OF AUTOCOLLIMATION (PPA) AND
PRINCIPAL POINT OF SYMMETRY (PPS)-----
REFERRED TO FC, SEE DIAGRAM

	X (MM)	Y (MM)
PPA	0.008	0.002
S	0.017	-0.002

FIDUCIAL MARKS, REFERRED TO FC

	X (MM)	Y (MM)
1	105.996	-105.995
2	-106.000	-105.999
3	-105.997	105.996
4	105.999	105.998

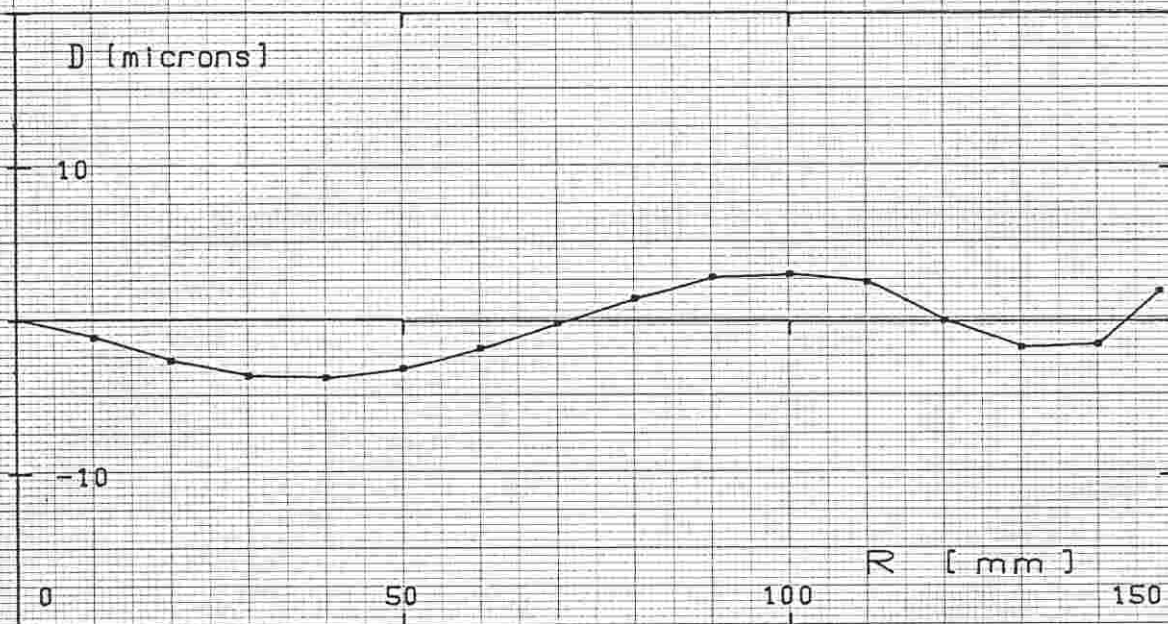


AS SEEN ON FOCAL PLANE FRAME

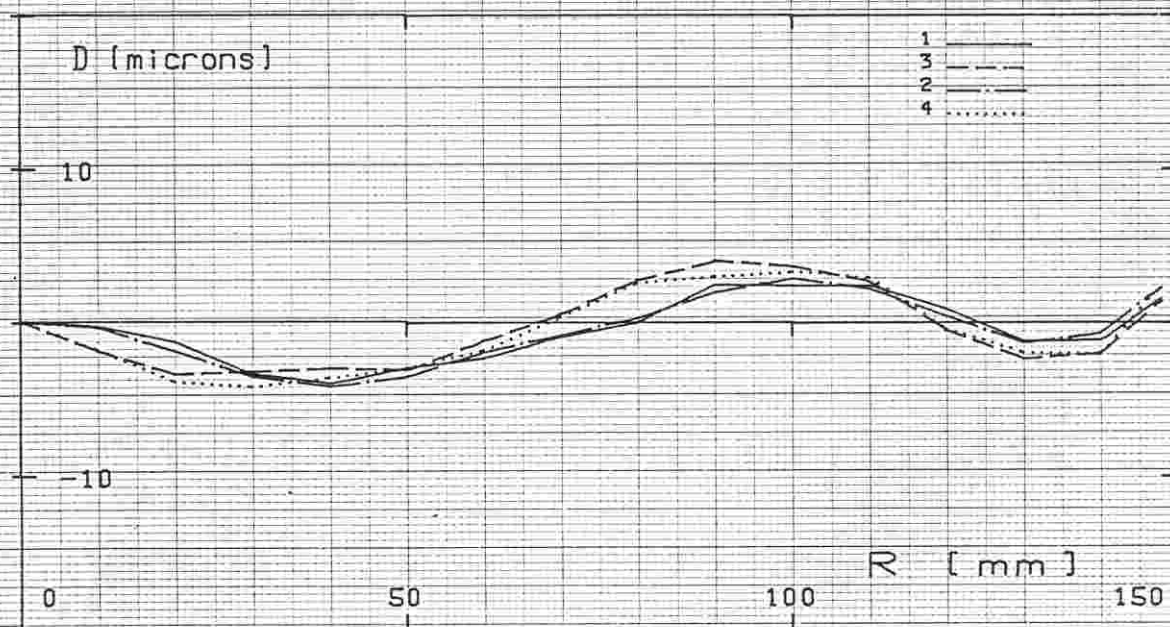
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APERTURE : F / 4.0
 FILTER ON GONIOMETER : 450 NM
 FILTER ON CAMERA : --
 P.D. (850 m) : 305.02 MM



MEAN RADIAL DISTORTION CURVE



RADIAL DISTORTION FOR SEMI-DIAGONALS
 REFERRED TO PPS