

CAMERA CALIBRATION CERTIFICATE

CAMERA TYPE : RC10A

LENS TYPE : 30/4 NAT A

LENS NO. : 17027

CALIBRATION DATE : 17.04.85

WILD HEERBRUGG LTD



## CAMERA CALIBRATION

CAMERA: RC10A LENS: 30/4 NAT A NO.: 17027 CALIBRATION DATE: 17.04.85

APERTURE : F / 4.0  
 FILTER ON GONIOMETER : VIS (400 - 700 NM)  
 FILTER ON CAMERA :  
 PRINCIPAL DISTANCE FOR FOCUSSING DISTANCE 850 M : 303.98 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	0.4	0.5	0.2	0.0	0.2
20	1.1	-0.4	0.6	-0.3	0.2
30	0.1	0.1	0.4	-0.4	0.0
40	0.4	-0.6	1.1	0.3	0.3
50	0.7	-0.7	1.5	-0.1	0.3
60	1.8	-1.3	1.9	-0.7	0.4
70	1.1	-0.9	1.6	-0.8	0.2
80	0.1	-1.2	0.2	-1.0	-0.4
90	0.1	-1.8	-0.4	-1.3	-0.8
100	-0.2	-1.7	0.2	-1.4	-0.6
110	-0.3	-0.1	0.5	-0.3	0.0
120	-0.6	1.1	0.3	0.6	0.3
130	0.3	1.2	0.4	1.4	0.8
140	-0.6	0.2	-0.1	0.9	0.1
148	-1.0	-0.3	-1.7	0.3	-0.6

## 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 STUDIOINAL LIQUID 1:15 6 MIN

ANGLE: (DEGREES)	0	5	10	15	20	25
RAD.	67	67	66	46	50	48
TANG.	67	67	58	49	53	55

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

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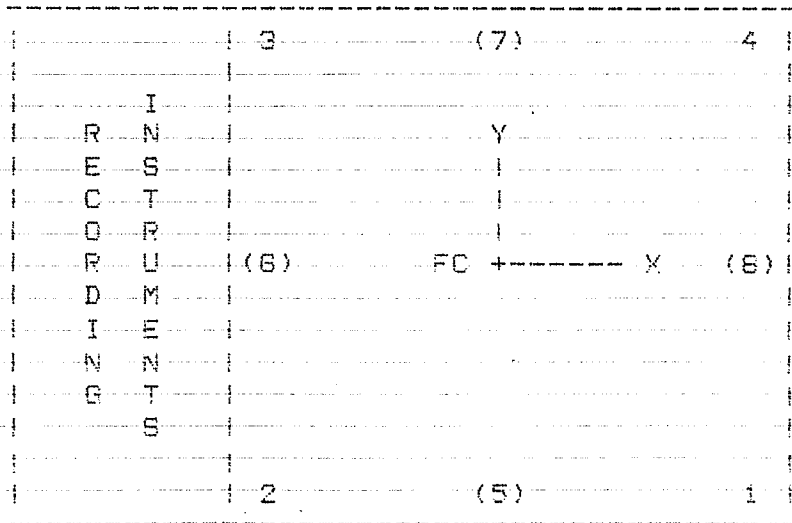
PRINCIPAL POINT OF AUTO-COLLIMATION (PPA) AND  
 PRINCIPAL POINT OF SYMMETRY (PPS)

REFERRED TO FC, SEE DIAGRAM

	X (MM)	Y (MM)
PPA	-0.008	0.009
SPS	-0.024	0.014

TRIDUCIAL MARKS, REFERRED TO FC

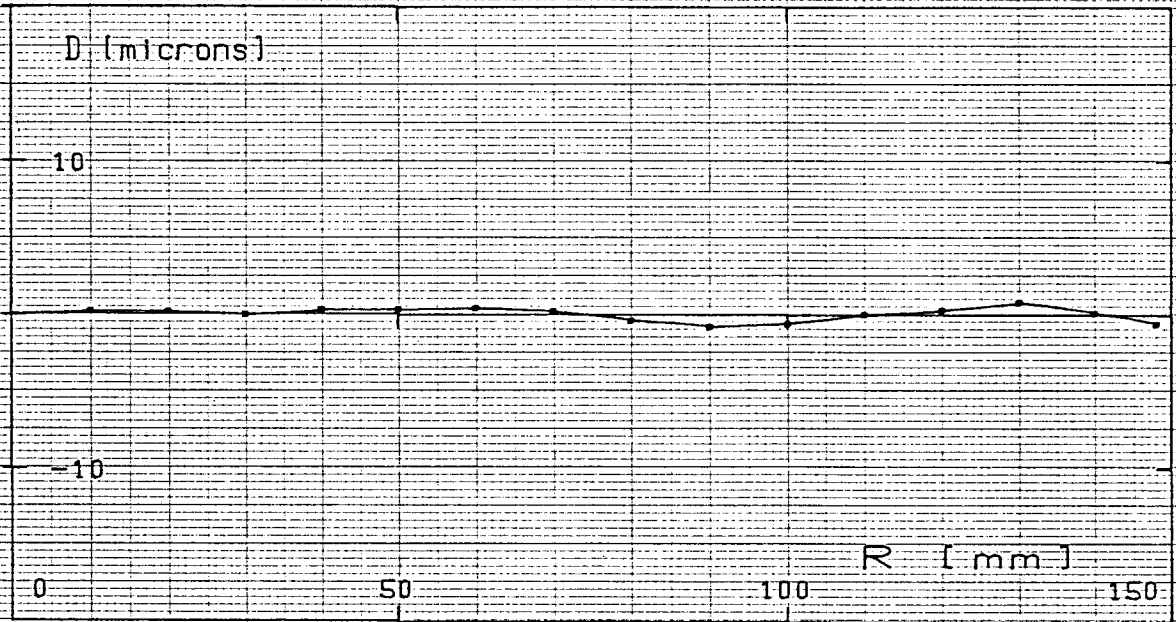
	X (MM)	Y (MM)
1	105.999	-106.000
2	-105.999	-106.000
3	-106.001	106.002
4	105.998	105.999



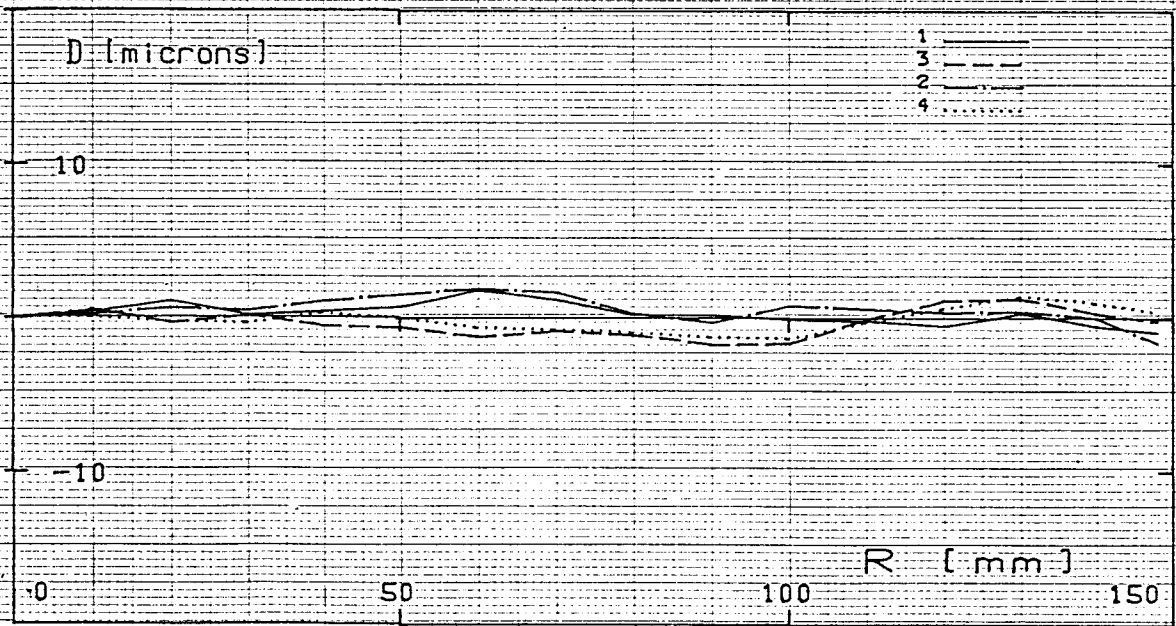
AS SEEN ON FOCAL PLANE FRAME

RC10A 30/4 NAT A NO. 17027 17.04.85

APERTURE : F / 4.0  
FILTER ON GONIOMETER : UIS (400 - 700 NM)  
FILTER ON CAMERA : --  
P.D. (850 m) : 303.98 MM



MEAN RADIAL DISTORTION CURVE



RADIAL DISTORTION FOR SEMI-DIAGONALS REFERRED TO PPS