

CAMERA CALIBRATION CERTIFICATE

CAMERA TYPE : RC10A

LENS TYPE : 30/4 NAT A

LENS NO. : 17027

CALIBRATION DATE : 06.01.86

WILD HEERBRUGG LTD



## CAMERA CALIBRATION

CAMERA: RC10A LENS: 30/4 NAT A NO.: 17027 CALIBRATION DATE: 06.01.86

APERTURE : F / 4.0  
 FILTER ON GONIOMETER : VIS (400 - 700 NM)  
 FILTER ON CAMERA : --  
 PRINCIPAL DISTANCE FOR FOCUSING 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	
0	0.3	0.0	0.5	-0.4	0.1
20	0.8	-0.2	0.9	-0.6	0.2
30	0.0	0.1	0.6	-0.2	0.1
40	0.3	0.0	1.4	0.2	0.4
50	0.7	-0.5	2.1	0.2	0.6
60	1.4	-0.6	2.4	-0.5	0.6
70	1.2	-0.3	2.0	-0.2	0.6
80	-0.2	-0.5	1.2	-0.4	0.0
90	-0.3	-1.4	0.4	-0.8	-0.5
100	-0.5	-1.7	1.1	-1.1	-0.5
110	-0.6	-0.6	0.4	-0.3	-0.2
120	-0.7	0.4	0.5	1.0	0.3
130	-0.1	-0.2	-0.4	1.1	0.1
140	-0.9	-0.1	0.0	1.5	0.1
148	-2.2	-1.4	-0.8	0.5	-0.9

## 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 : AGFA-GEVAERT STUDIOLAN 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

CAMERA CALIBRATION

CAMERA: RC10A LENS: 30/4 NAT A NO.: 17027 CALIBRATION DATE: 06.01.86

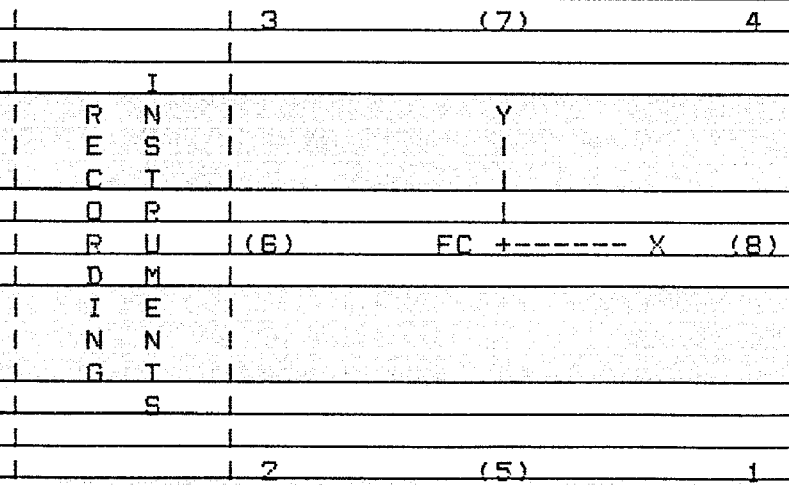
PRINCIPAL POINT OF AUTOCOLLIMATION (PPA) AND  
 PRINCIPAL POINT OF SYMMETRY (PPS)

-----  
 REFERRED TO FC, SEE DIAGRAM

	X (MM)	Y (MM)
PPA	-0.007	0.008
SPS	-0.012	-0.006

FIDUCIAL MARKS, REFERRED TO FC

	X (MM)	Y (MM)
1	105.989	-105.991
2	-106.000	-106.002
3	-105.997	105.999
4	105.997	105.999

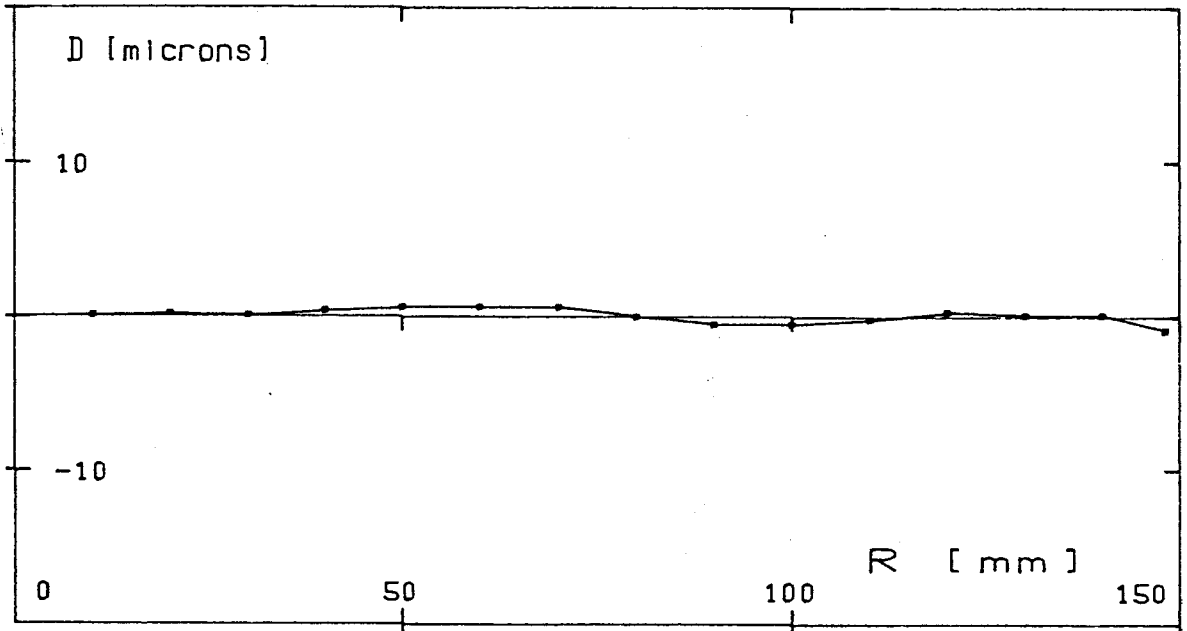


AS SEEN ON FOCAL PLANE FRAME

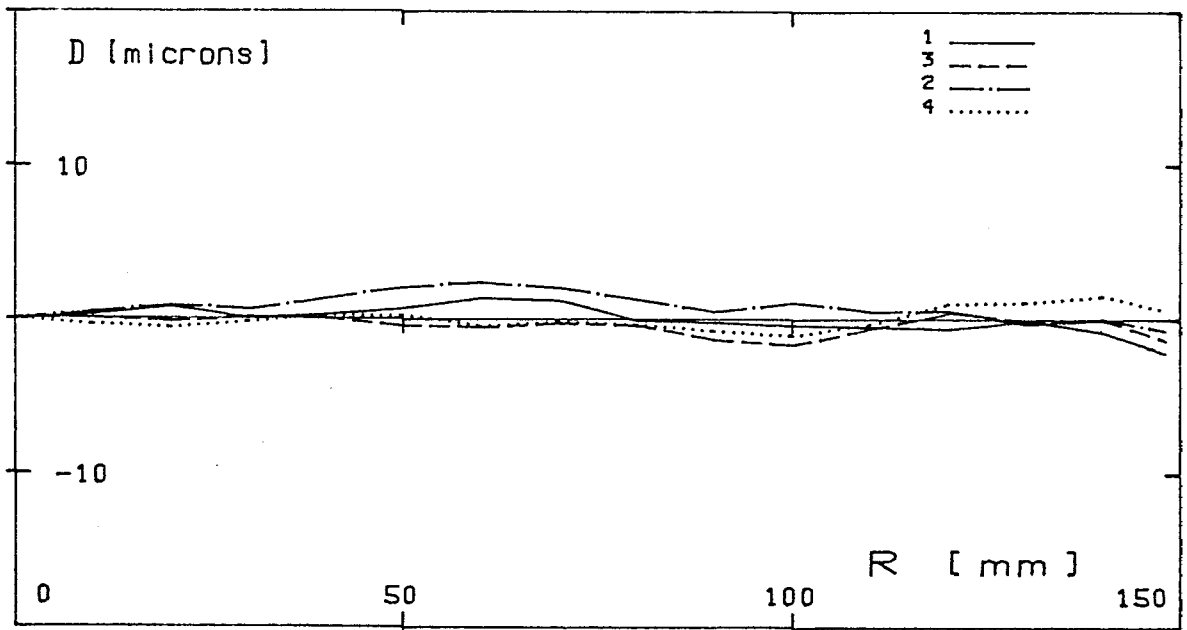
*MLC*

RC10A 30/4 NAT A NO. 17027 06.01.86

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

*MW*