

2. Mars 1983

CAMERA CALIBRATION CERTIFICATE

CAMERA TYPE : RD10

LENS TYPE : 15/4 LAG

LENS NO. : 13018

CALIBRATION DATE : 02.03.83

WILD HEERBRUGG LTD

CAMERA CALIBRATION

CAMERA: RC10 LENS: 15/4 UAG NO.: 13019 CALIBRATION DATE: 02.03.93

APERTURE : F / 4  
 FILTER ON GONIOMETER : VIS (400 - 700 NM)  
 FILTER ON CAMERA : --  
 CALIBRATED FOCAL LENGTH : 152.37 MM

RADIAL DISTORTION (MICROMETERS)

REFERRED TO PRINCIPAL POINT OF SYMMETRY (PPS)  
 (POSITIVE VALUES DENOTE IMAGE DISPLACEMENT AWAY FROM CENTER)

RADIAL	SEMI - DIAGONALS				MEAN
	1	3	2	4	
10	1.1	-0.4	0.6	0.1	0.3
20	1.2	-0.5	0.8	0.1	0.4
30	0.0	0.0	0.1	-0.1	0.0
40	-0.1	-0.1	-0.5	0.1	-0.1
50	0.2	-0.8	-0.2	-0.2	-0.2
60	-0.7	-0.2	-0.2	-0.2	-0.3
70	-0.2	0.2	-0.5	0.2	0.0
80	-0.1	1.0	-0.2	0.8	0.3
90	1.1	1.7	0.2	1.4	1.1
100	0.9	1.7	1.5	1.6	1.4
110	1.6	1.4	1.6	1.6	1.6
120	1.0	0.7	0.2	0.6	0.6
130	-0.5	-0.4	-0.3	-0.2	-0.3
140	-1.8	-1.8	-1.8	-2.0	-1.7
148	-1.8	-2.6	-1.7	-2.6	-2.1

PHOTOGRAPHIC RESOLUTION (LINE PAIRS PER MILLIMETER)

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

APERTURE : 4.0  
 FILTER : 450 NM  
 FILM : ADAPLAN 25 PROFESSIONAL (ASA SPEED: 25)  
 DEVELOPER : AGFA-DEVAERT STUDIOAL LIQUID 1:15 8 MIN

ANGLE:	0	5	10	15	20	25	30	35	40	45
(DEGREES)										
RAD.	67	67	66	61	76	76	73	77	67	38
TANG.	67	67	66	62	59	69	63	71	65	33

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

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CAMERA CALIBRATION

CAMERA: RC10 LENS: 15/4 UAG NO.: 13018 CALIBRATION DATE: 02.03.88

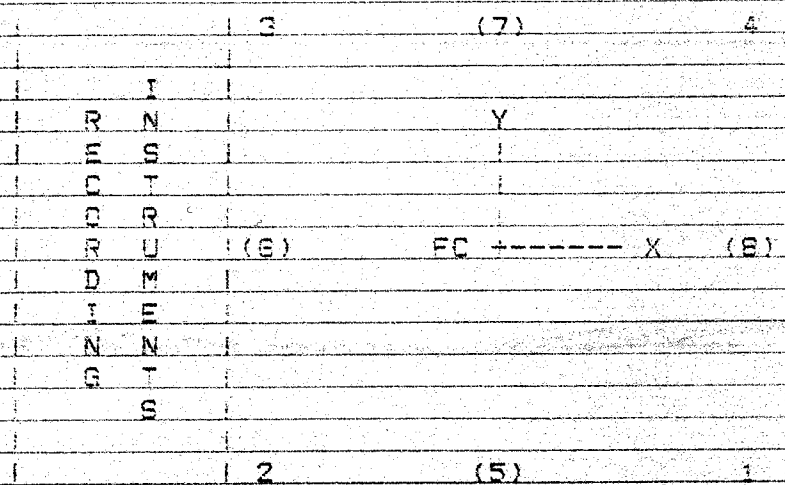
PRINCIPAL POINT OF AUTOCOLLIMATION (PPA) AND  
PRINCIPAL POINT OF SYMMETRY (PPS)

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REFERRED TO FC, SEE DIAGRAM

	X (MM)	Y (MM)
PPA	0.007	0.003
PPS	0.000	0.000

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IDUCIAL MARKS, REFERRED TO FC

	X (MM)	Y (MM)
1	106.002	-106.006
2	-105.997	-106.001
3	-106.002	106.006
4	105.998	106.002



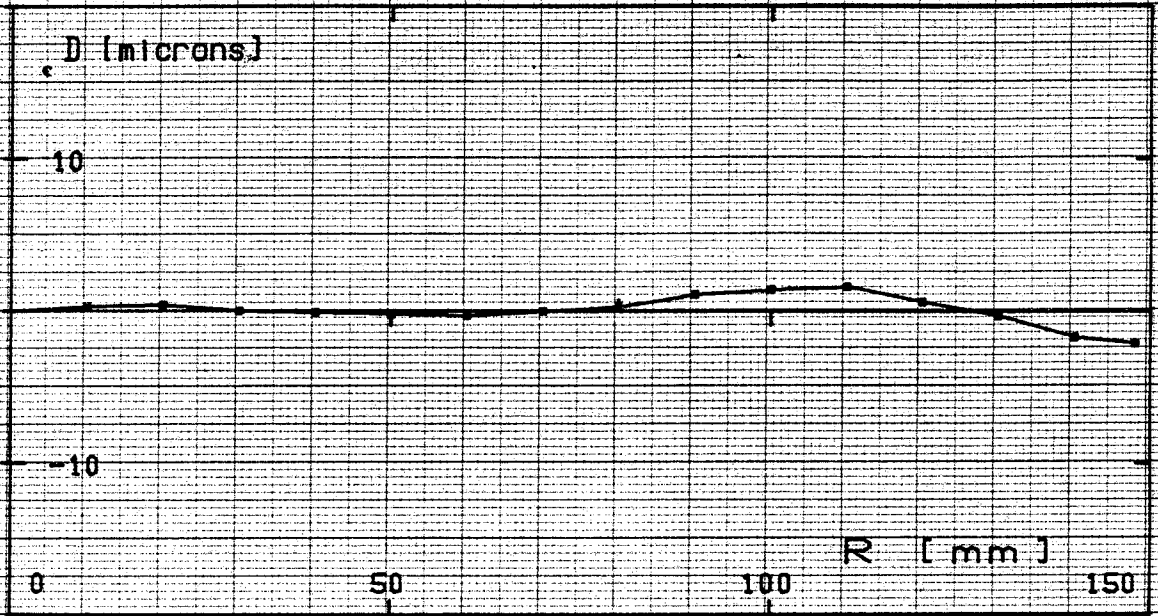
AS SEEN ON FOCAL PLANE FRAME



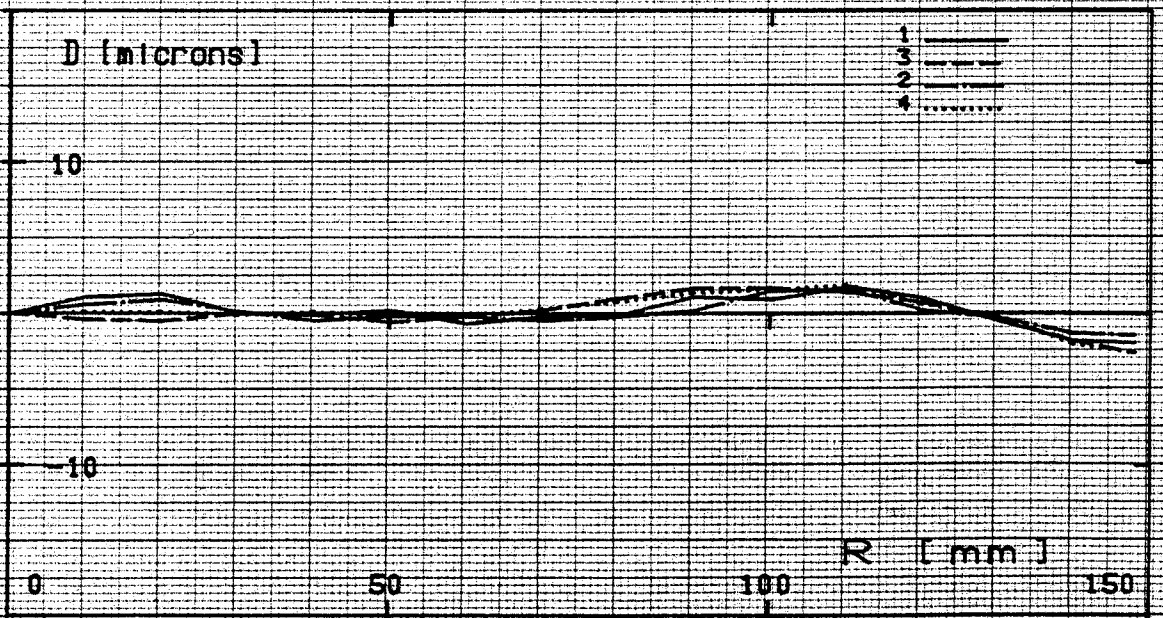
RC10 15/4 UAG NO. 13018

02.03.83

APERTURE : F / 4  
FILTER ON GONIOMETER : VIS (400 - 700 NM)  
FILTER ON CAMERA : —  
C.F.L. : 153.37 MM



MEAN RADIAL DISTORTION CURVE



RADIAL DISTORTION FOR SEMI-DIAGONALS REFERRED TO PPS

