

12/1/82

# CAMERA CALIBRATION CERTIFICATE

CAMERA TYPE : RC10

LENS TYPE : 15/4 UAG

LENS NO. : 13003

CALIBRATION DATE : 26.01.82

WILD HEERBRUGG LTD

## CAMERA CALIBRATION

CAMERA : RC10 LENS : 15/4 UAG NO. : 13003 CALIBRATION DATE : 26.01.82

APERTURE : F / 4  
FILTER ON GONIOMETER : VIS (400 -700 NM)  
FILTER ON CAMERA : --  
CALIBRATED FOCAL LENGTH : 153.18 MM

RADIAL DISTORTION (MICROMETERS) REFERRING TO PRINCIPAL POINT OF SYMMETRY

(POSITIVE VALUES DENOTE IMAGE DISPLACEMENT AWAY FROM CENTER)

RADIUS MM	SEMI - DIAGONAL				MEAN
	1	3	2	4	
10	0.2	-0.1	0.1	-0.2	0.0
20	-0.4	-0.5	-0.1	-0.8	-0.4
30	-1.7	-1.4	-0.7	-2.0	-1.4
40	-2.8	-2.1	-1.7	-3.0	-2.4
50	-3.7	-3.1	-1.9	-3.9	-3.1
60	-4.5	-2.6	-1.4	-4.3	-3.2
70	-3.1	-2.2	-0.4	-3.7	-2.3
80	-2.5	-0.9	0.9	-2.6	-1.2
90	-0.8	0.6	2.1	-1.2	0.1
100	-0.1	1.6	4.1	0.3	1.4
110	0.8	1.8	4.4	2.6	2.4
120	0.8	1.4	4.4	3.8	2.6
130	0.6	0.3	3.1	5.3	2.3
140	-0.5	-1.6	3.3	6.6	1.9
148	-0.7	-3.8	3.9	8.2	1.9

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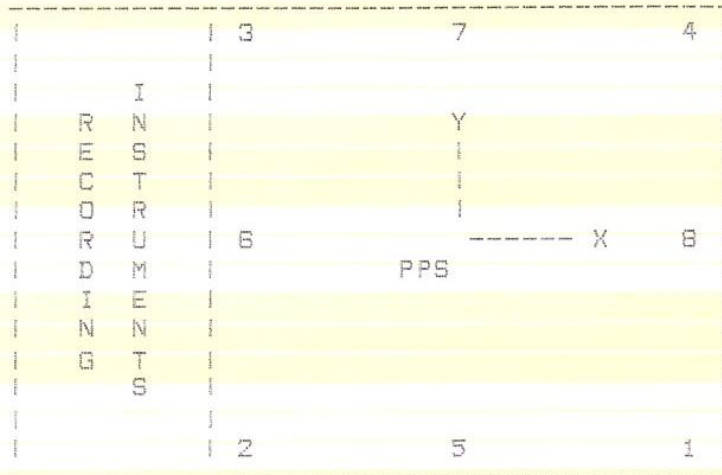
Principal Point of Autocollimation (PPA) and Fiducial Center (FC)

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 Referring to Principal Point of Symmetry (PPS), see Diagram

	X (mm)	Y (mm)
PPA	0.095	0.035
FC (S)	0.066	0.017

FIDUCIAL MARKS, REFERRING TO PPS

	X (mm)	Y (mm)
1	106.065	-105.978
2	-105.933	-105.979
3	-105.942	106.022
4	106.069	106.017



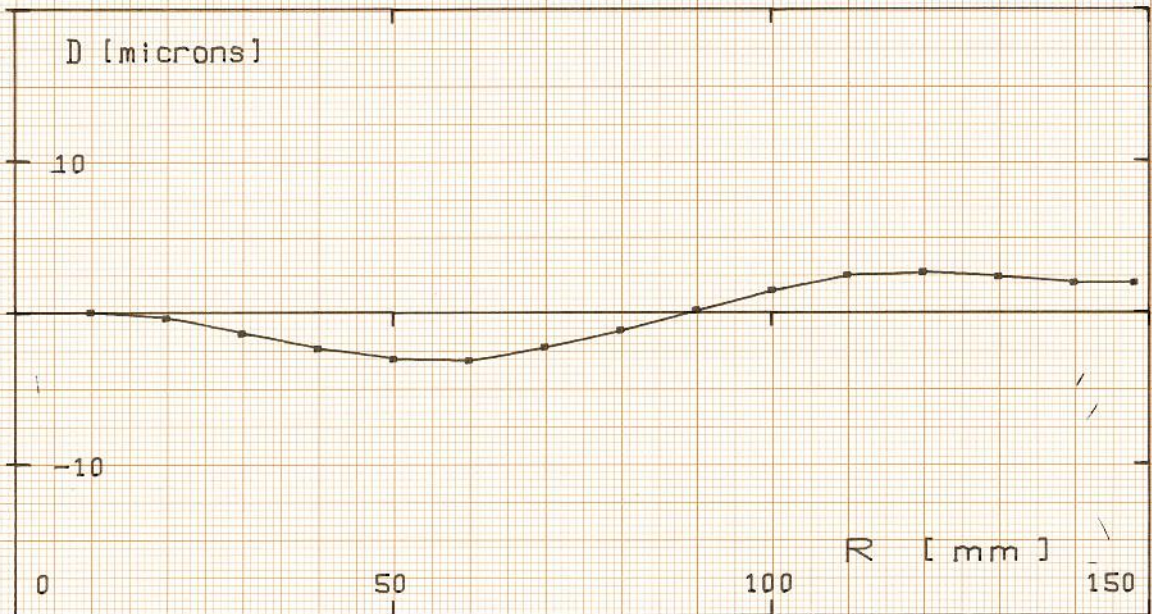
As seen on Focal Plane Frame



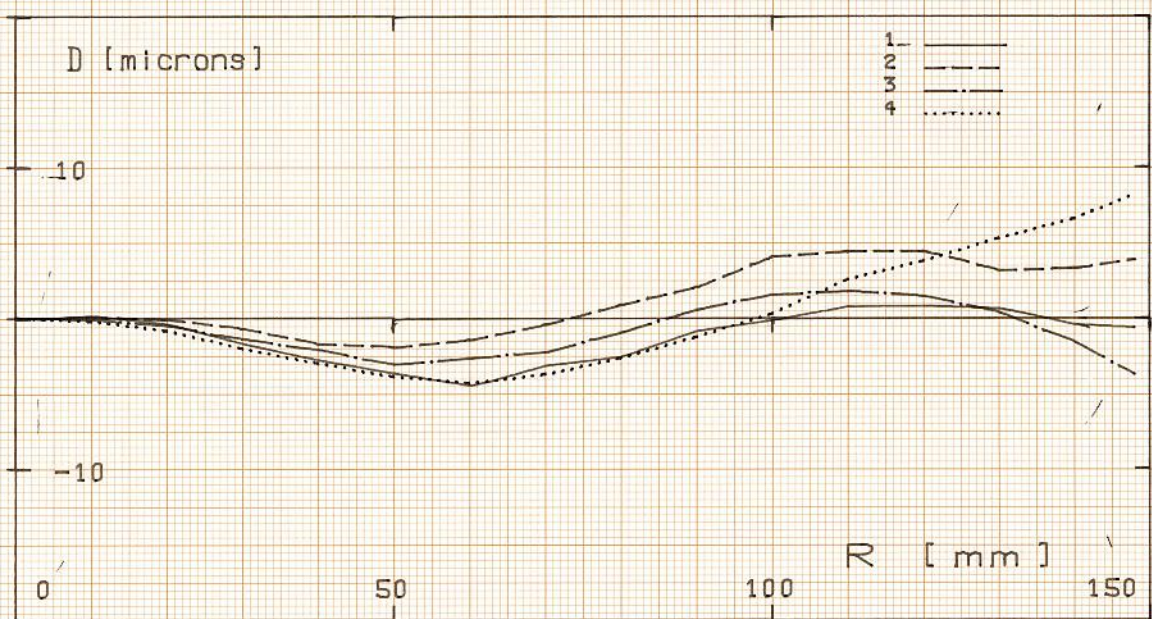
RC10 15/4 UAG NO. 13003

26.01.82

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FILTER ON GONIOMETER : VIS (400 - 700 NM)  
FILTER ON CAMERA : --  
C.F.L. : 153.18 MM



MEAN RADIAL DISTORTION CURVE



RADIAL DISTORTION FOR SEMI-DIAGONALS REFERRING TO PPS