

28.02.77

**WILD**  
HEERBRUGG

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**CAMERA CALIBRATION CERTIFICATE** 28.2.77

**WILD LENS CONE / ~~CAMERA~~**

NO. 15 UAG II NO. 3008

TYPE: RC 10

THIS CALIBRATION CERTIFICATE REPLACES THE  
PREVIOUS CERTIFICATE ISSUED ON 74/08/29

# CAMERA CALIBRATION

LENS : 15 UAG II      NC.: 3008

CALIBRATION DATE: 77/02/28

FILTER ON CAMERA: ----

APERTURE F / 5.6

CALIBRATED FOCAL LENGTH      153.02 MM

## DISTORTION (MICROMETERS)

POSITIVE VALUES DENOTE IMAGE DISPLACEMENT AWAY FROM CENTER.

RADIUS MM	SEMI-DIAGONAL				MEAN
	1	3	2	4	
0	0	0	0	0	0
10	-1	0	1	-2	-1
20	-1	0	1	-1	0
30	-1	0	0	-1	0
40	2	1	0	0	1
50	1	1	1	2	1
60	0	1	-2	-1	0
70	2	2	2	1	2
80	3	2	5	1	3
90	1	2	3	1	2
100	2	1	1	1	1
110	-2	-1	-1	1	0
120	-2	-2	-2	-2	-2
130	-5	-3	-2	-3	-3
140	-2	-3	-3	-1	-2
148	0	-3	1	2	0

## RESOLVING POWER (LINE PAIRS PER MILLIMETER)

CONTRAST (LOG) 2.0    APERTURE: 4.0    FILM: AGFAPAN 25 PROFESSIONAL

ANGLE (DEG.)	0	5	10	15	20	25	30	35	40	45
RAD.	75	67	83	46	40	38	65	69	26	12
TANG.	75	74	82	56	53	55	63	57	25	19
AWAR	52									

15

# CAMERA CALIBRATION

LENS : 15 UAG II

NO.: 3008

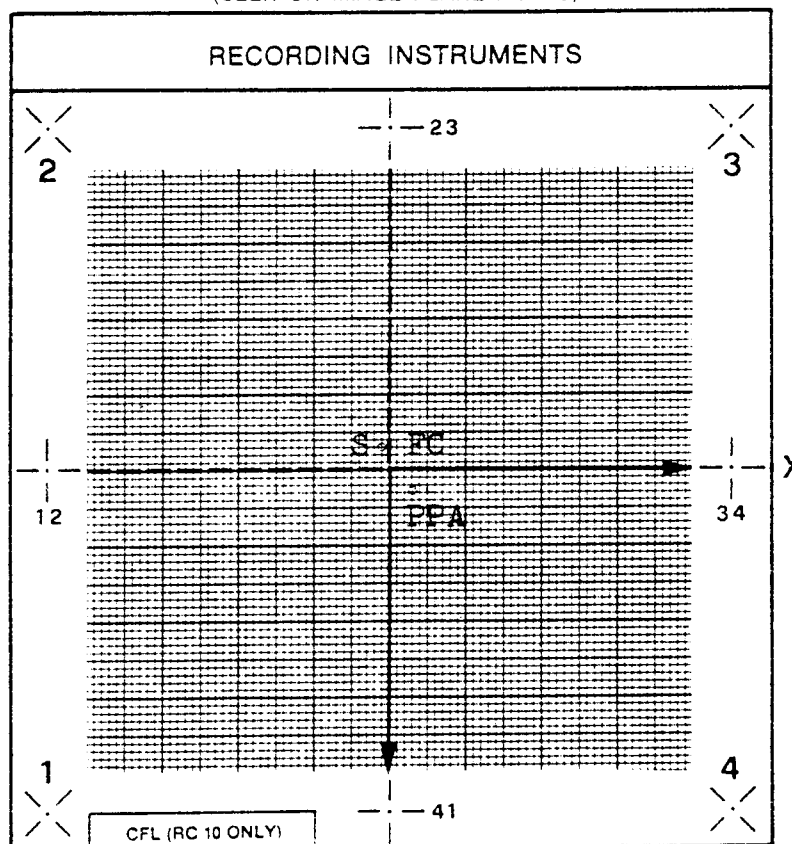
CALIBRATION DATE: 77/02/26

POINT	X MM	Y MM
FC	0.000	0.000
S	-.001	-.003
PPA	.003	.003
1	-105.999	106.002
2	-106.003	-106.005
3	105.997	-106.000
4	105.999	106.001

S : POINT OF BEST SYMMETRY

PPA : PRINCIPAL POINT OF AUTOCOLLIMATION

(SEEN ON IMAGE PLANE FRAME)



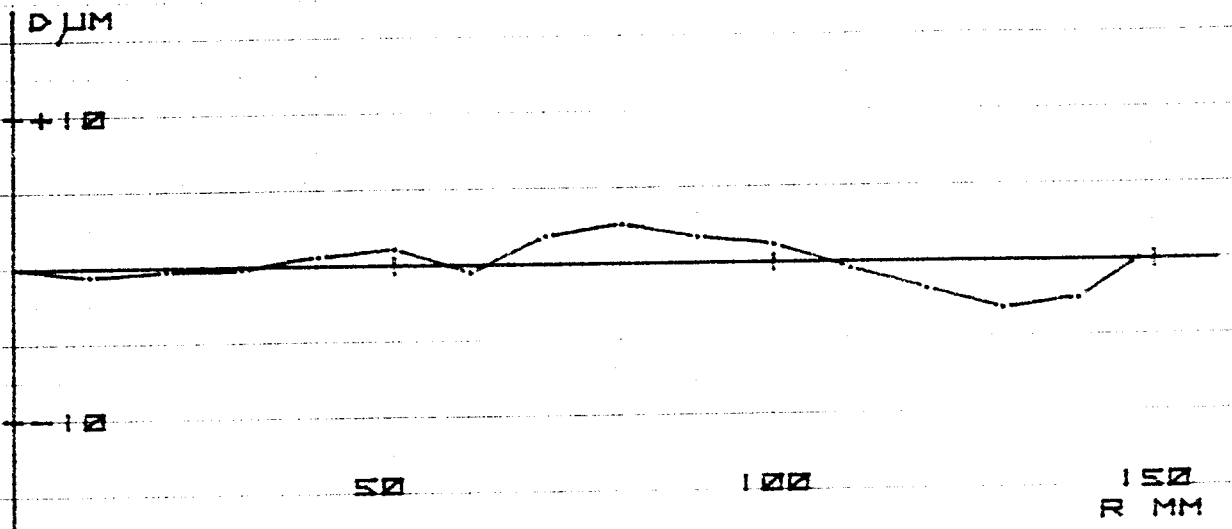
15 UAG 11 NO. 3008

77/02/29

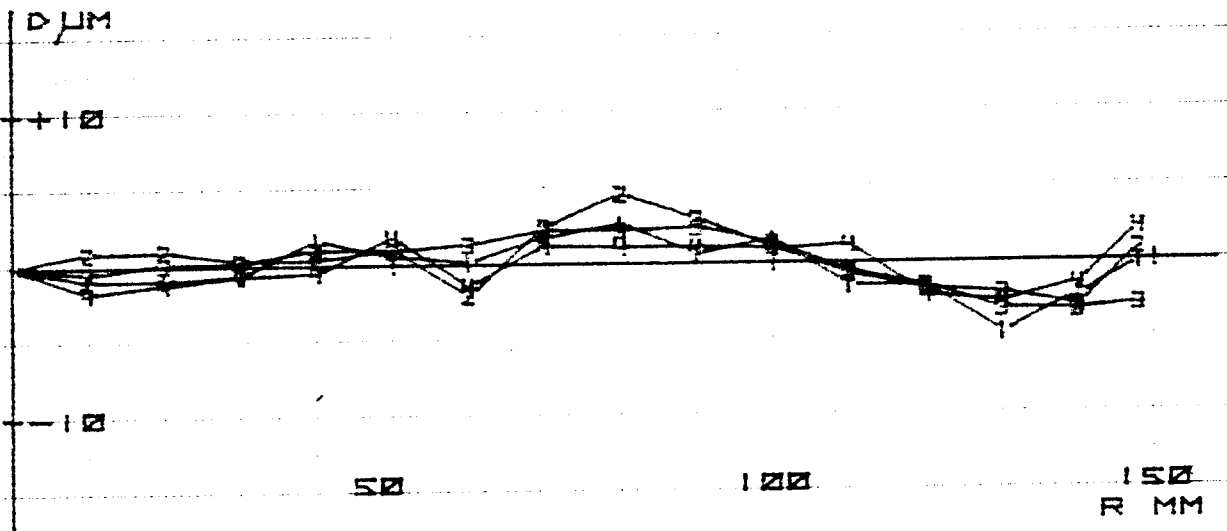
C.F.L. 153.02 MM

FILTER ON CAMERA ----

APERTURE F/5.6



MEAN DISTORTION CURVE



ORIGIN: POINT OF SYMMETRY