

2. 11. 1976

**WILHELM
HEERBRUGG**

*Anteil ausgeleihen von Fa Wild für Flug
Zellenbuch SW - Kierstall
Lage Mittelpunkt 1976*

CAMERA CALIBRATION CERTIFICATE

WILD LENS CONE / ~~CAMERA~~

NO. 21 NAG II NO. 7101

TYPE: RC 10

CAMERA CALIBRATION

LENS : 21 NAG II

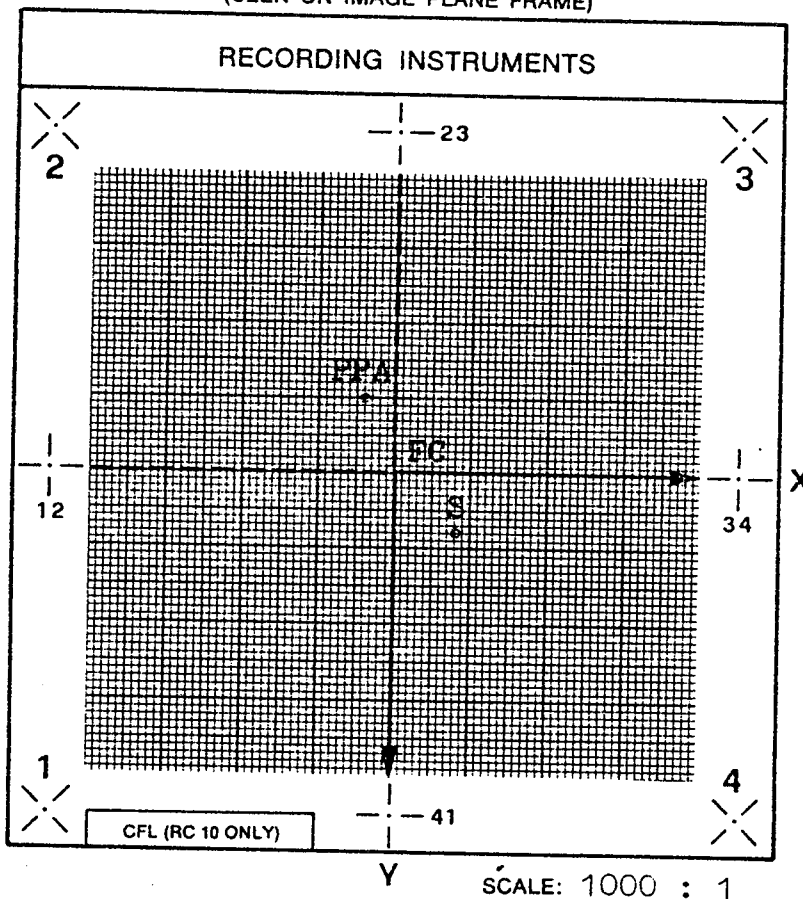
NO.: 7101

CALIBRATION DATE: 76/11/02

POINT	X MM	Y MM
FC	0.000	0.000
S	.008	.008
PPA	-.004	-.010
1	-105.997	105.997
2	-106.006	-106.006
3	106.005	-106.006
4	106.000	106.000

S : POINT OF BEST SYMMETRY
PPA : PRINCIPAL POINT OF AUTOCOLLIMATION

(SEEN ON IMAGE PLANE FRAME)



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CAMERA CALIBRATION

LENS : 21 NAG II NO.: 7101

CALIBRATION DATE: 76/11/02

FILTER ON CAMERA: ----

APERTURE F / 4.0

PRINCIPAL DISTANCE (900 M) 213.89 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	0	-1	1	0	0
20	1	-2	2	-2	0
30	0	-1	2	0	1
40	1	1	3	1	1
50	1	2	3	1	2
60	3	0	2	0	1
70	2	1	0	-4	0
80	-1	-2	0	-3	-1
90	-1	-1	1	-3	-1
100	-1	0	-3	-3	-2
110	0	1	-3	-1	-1
120	0	2	-2	0	0
130	1	2	1	2	2
140	1	0	-1	1	0
148	0	-1	0	1	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
RAD.	85	84	94	82	50	38	33	44
TANG.	85	94	82	79	67	49	45	23
AWAR	56							

S.

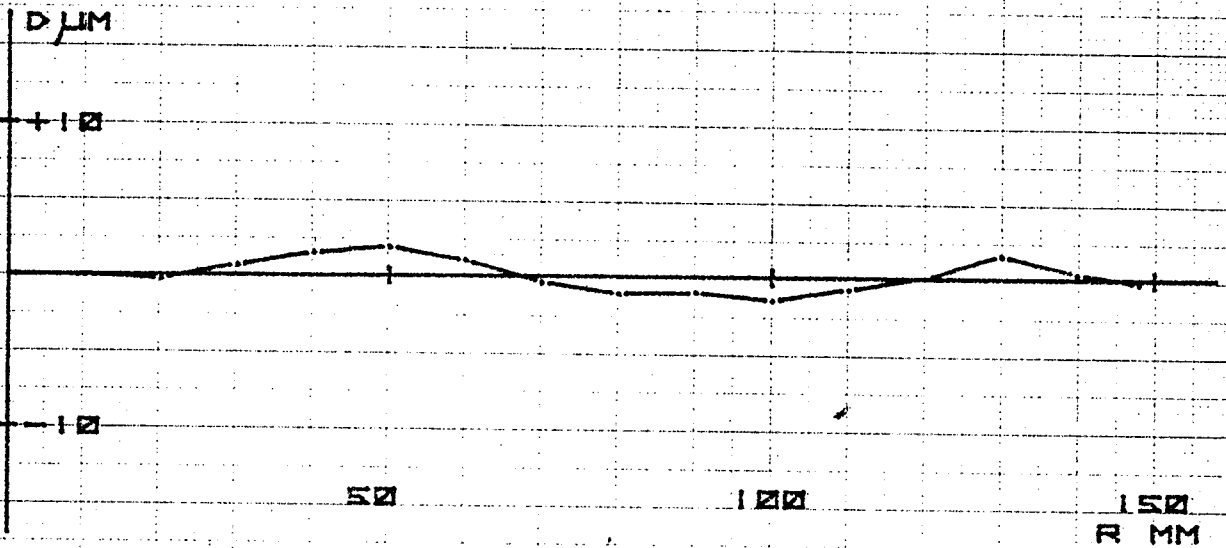
ZI NAG II NO. 7101

75/11/02

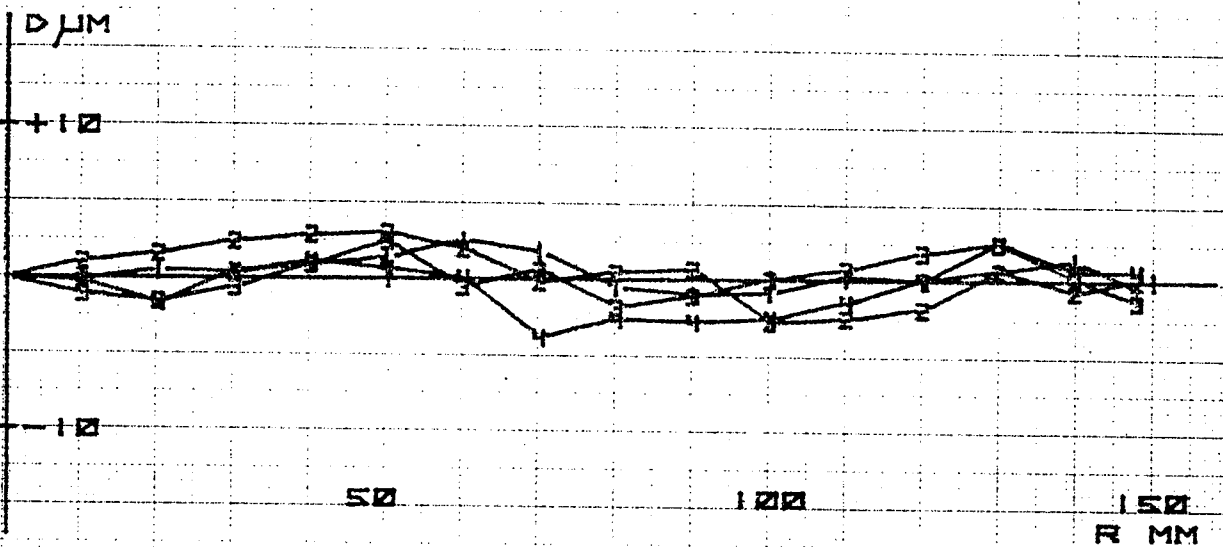
P.D. <900 M> 213.88 MM

FILTER ON CAMERA ----

APERTURE F/4.0



MEAN DISTORTION CURVE



ORIGIN: POINT OF SYMMETRY

WILD HEERBRUGG LTD