

## **CAMERA CALIBRATION CERTIFICATE**

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

NO. 21 NAG II NO. 7101

TYPE: RC 10

13.2.1981

# CAMERA CALIBRATION

LENS : 21 NAG II      NO.: 7101      CALIBRATION DATE: 81/02/13

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	2	1	1	-2	0
20	2	2	2	1	2
30	3	3	3	-1	2
40	4	3	6	1	3
50	2	3	3	2	2
60	1	3	0	-1	1
70	1	2	1	0	1
80	0	3	2	-1	1
90	1	1	-1	-2	0
100	3	1	1	0	1
110	2	0	0	0	0
120	1	1	-2	-1	0
130	-2	-2	-2	0	-2
140	-4	-4	-2	-2	-3
148	-2	-2	-6	-4	-4

## RESOLVING POWER (LINE PAIRS PER MILLIMETER)

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

ANGLE (DFG.)	0	5	10	15	20	25	30	35
RAD.	75	75	74	82	50	38	33	49
TANG.	75	84	73	79	53	49	45	25
AWAR	53							

*St.*

# CAMERA CALIBRATION

LENS : 21 NAG II

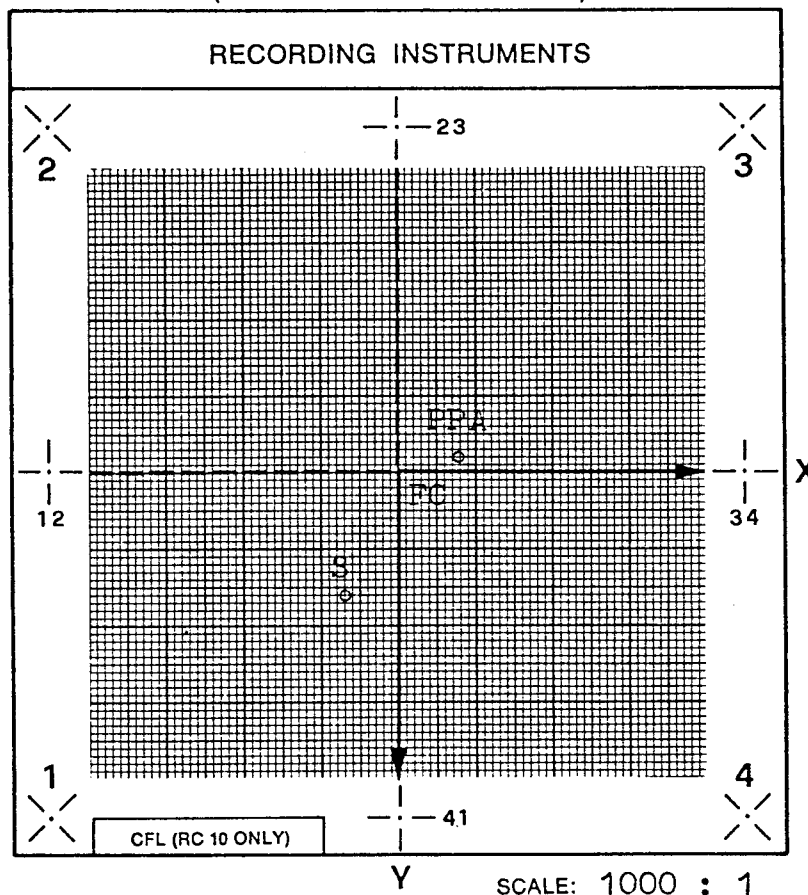
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POINT	X MM	Y MM
FC	0.000	0.000
S	-0.007	.016
PPA	.008	-0.002
1	-106.000	106.001
2	-106.002	-106.003
3	106.005	-106.006
4	105.999	105.999

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

(SEEN ON IMAGE PLANE FRAME)



*Handwritten signature*

ZI NAG II NO. 7101

81/02/13

P.D. (900 M) 213.89 MM  
FILTER ON CAMERA  
APERTURE F/4.0



WILD HEERBRUGG LTD