

22

Kevron

Aerial Surveys Pty. Ltd.

121 HILL STREET, EAST PERTH, W.A. 6004
Telephone: (09) 325 2844. Fax: (09) 421 1658

RC 20/30 3 1/2"


CAMERA CALIBRATION CERTIFICATE

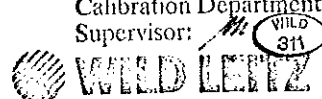
CAMERA TYPE : RC20
LENS TYPE : 8.8/4 SAGA-F
LENS NO. : 11028

CALIBRATION DATE : 10.10.89

WILD HEERBRUGG LTD

Wild Leitz Ltd
CH-9435 Heerbrugg

Calibration Department
Supervisor: 



CAMERA CALIBRATION

CAMERA: RC20 LENS: 8.8/4 SAGA-F NO.: 11028 CALIBRATION DATE: 10.10.89

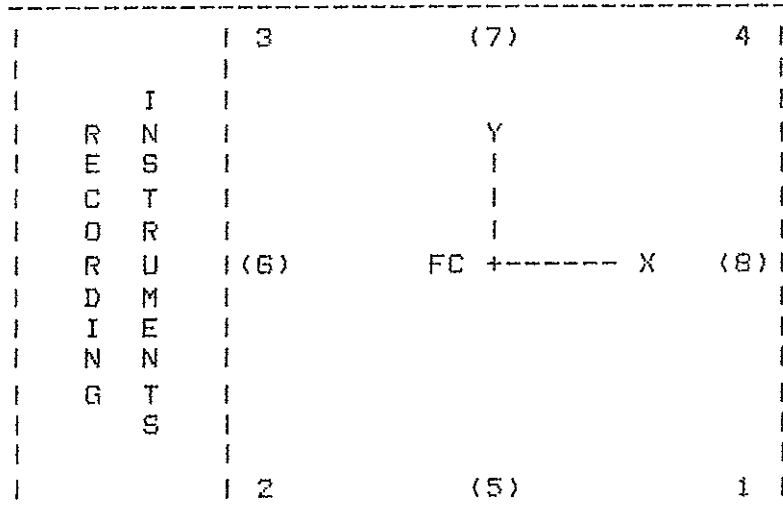
PRINCIPAL POINT OF AUTOCOLLIMATION (PPA) AND
PRINCIPAL POINT OF SYMMETRY (PPS)

REFERRED TO FC, SEE DIAGRAM

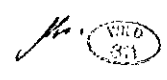
	X (MM)	Y (MM)
PPA	0.000	0.001
SPS	-0.001	0.001

FIDUCIAL MARKS, REFERRED TO FC

	X (MM)	Y (MM)
1	106.001	-106.001
2	-106.002	-106.003
3	-105.998	105.999
4	105.996	105.996



AS SEEN ON FOCAL PLANE FRAME



1 2 3 4

CAMERA CALIBRATION

CAMERA: RC20 LENS: 8.8/4 SAGA-F NO.: 11028 CALIBRATION DATE: 10.10.89

APERTURE : F / 4.0
 FILTER ON GONIOMETER : VIS (400 - 700 NM)
 FILTER ON CAMERA : --
 CALIBRATED FOCAL LENGTH : 88.65 MM

RADIAL DISTORTION (MICROMETERS)

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

RADIUS MM	SEMI - DIAGONALS				MEAN
	1	3	2	4	
10	8.2	5.0	5.8	7.5	6.6
20	10.8	8.0	8.5	10.7	9.5
30	8.5	3.9	5.6	5.6	5.9
40	1.0	-1.6	-1.2	0.3	-0.3
50	-2.8	-5.0	-4.5	-2.7	-3.7
60	-4.0	-4.5	-4.8	-2.9	-4.0
70	-1.7	-2.6	-3.1	-0.6	-2.0
80	1.2	1.3	0.5	3.1	1.5
90	5.8	5.6	4.7	7.4	5.8
100	8.5	8.6	8.8	10.8	9.1
110	8.2	8.2	9.3	11.0	9.1
120	4.5	4.3	5.5	6.8	5.2
130	-3.2	-2.4	0.4	-0.2	-1.3
140	-12.4	-11.1	-6.3	-10.0	-9.9
148	-18.7	-18.8	-12.2	-17.0	-16.6

PHOTOGRAPHIC RESOLUTION (LINE PAIRS PER MILLIMETER)

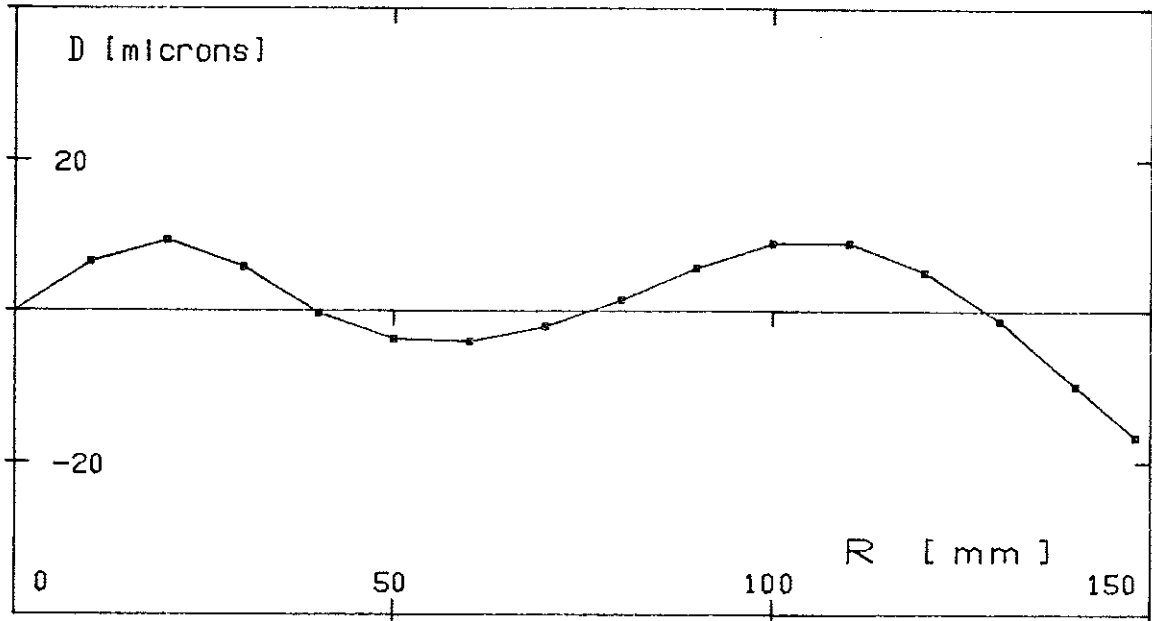
 INTERNATIONAL 3-LINE TEST-CHART, CONTRAST (LOG) : 2.0
 APERTURE : 4.0
 FILTER : 450 NM
 FILM : AGFAPAN 25 PROFESSIONAL (ASA SPEED: 25)
 DEVELOPER : KODAK HC110 PREPARATION 2 SOLUTION C

ANGLE: (DEGREES)	0	5	10	15	20	25	30	35	40	45	50	55	60
RAD.	57	57	71	88	96	52	39	37	62	91	41	33	46
TANG.	57	64	62	60	45	53	48	48	53	57	60	34	39

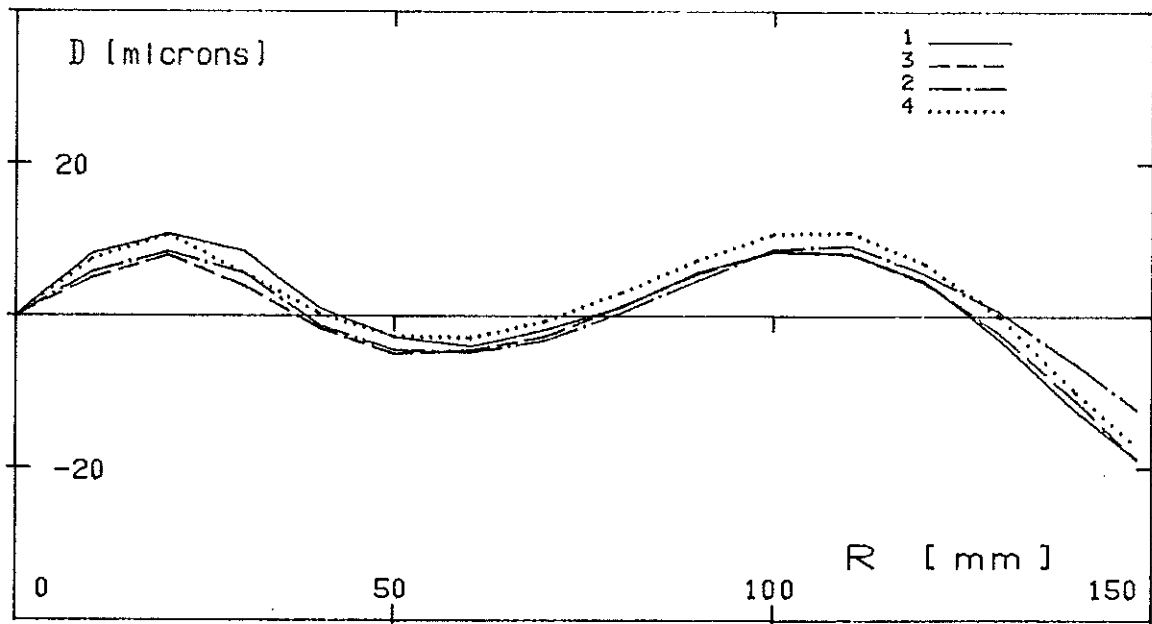
AWAR (AREA WEIGHTED AVERAGE RESOLUTION) IN LP/MM : 52

RC20 8.8/4 SAGA-F NO. 11028 10.10.89

APERTURE : F / 4.0
FILTER ON GONIOMETER : VIS (400 - 700 NM)
FILTER ON CAMERA : --
C.F.L. : 88.65 MM



MEAN RADIAL DISTORTION CURVE



RADIAL DISTORTION FOR SEMI-DIAGONALS REFERRED TO PPS

WILD 811