



AEROFILMS

CALIBRATION NO: AF/ZEISS RMK TOP 15 141288 / 2

DATE : 18.9.97

**HUNTING AEROFILMS LIMITED
GATE STUDIOS
STATION ROAD
BOREHAMWOOD
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**TEL : 0181-207-0666
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CAMERA CALIBRATION CERTIFICATE

ZEISS LENS CONE

NO : 15 141288

TYPE : ZEISS RMK TOP

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CALIBRATION No: AF/ZEISS RMK TOP 15 141288 / 2

DATE : 18.9.97

LENS TYPE : ZEISS RMK TOP 15

Serial No : 141288

FILTER TYPE : NONE FITTED

Serial No : -

ORIGIN OF MEASUREMENTS o: The point of Symmetry

SIGN CONVENTION : Distortion is positive if away from origin

CALIBRATED AT A TEMPERATURE OF 20°C

CALIBRATION PERFORMED BY : D.T. PHILPOT

MEASUREMENTS

CALIBRATED PRINCIPAL DISTANCE : 153.597 mm

COORDINATES OF POINT OF SYMMETRY

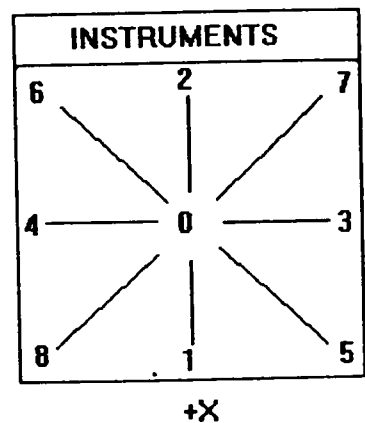
x = -0.032

y = 0.002

COORDINATES OF PRINCIPAL POINT OF AUTOCOLLIMATION

x = -0.023

y = 0.000



RADIAL DISTORTION IN MILLIMETRES :

Radius (mm)	20	40	60	80	100	120	140
Semi diagonal (5)	0.000	0.001	0.002	0.002	-0.002	-0.005	-0.005
Semi diagonal (7)	-0.001	0.000	0.003	0.003	0.002	-0.001	-0.002
Semi diagonal (6)	0.002	0.002	0.003	0.001	-0.004	-0.006	-0.003
Semi diagonal (8)	0.000	0.001	0.003	0.002	-0.001	-0.002	0.001
Mean	0.000	0.000	0.002	0.002	0.000	-0.002	-0.002

BEFORE CALIBRATION THE OPTICAL UNIT WAS CHECKED AND FOUND TO BE IN A SERVICEABLE CONDITION.

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D. T. Philpot
Aerofilms

LENS : ZEISS RMK TOP 15

NO : 141288

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CALIBRATED FOCAL LENGTH : 153.597 mm

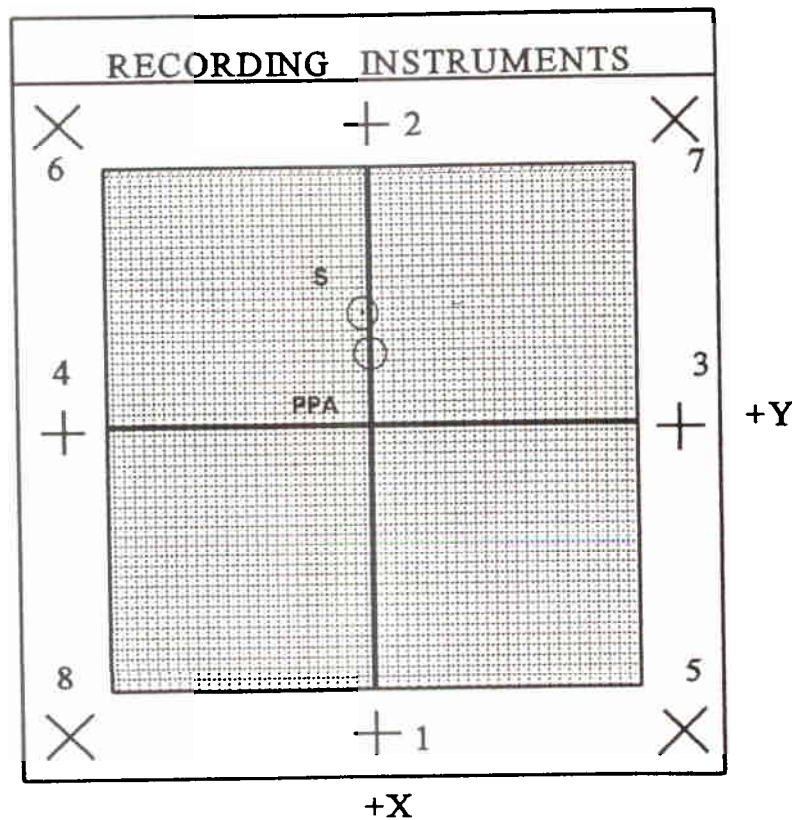
FIDUCIAL COORDS

POINT	X MM	Y MM
FC	0.000	0.000
S	-0.032	0.002
PPA	-0.023	0.000

FIDUCIAL MARKS REFERRED TO F.C.
ARE ACROSS THE SIDE FIDUCIALS

PPA : PRINCIPAL POINT OF AUTOCOLLIMATION

S : POINT OF BEST SYMMETY



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CALIBRATION NO : AF / ZEISS RMK TOP 141288 / 2

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RESOLUTION

LENS TYPE: ZEISS RMK TOP 15

SERIAL NO: 141288

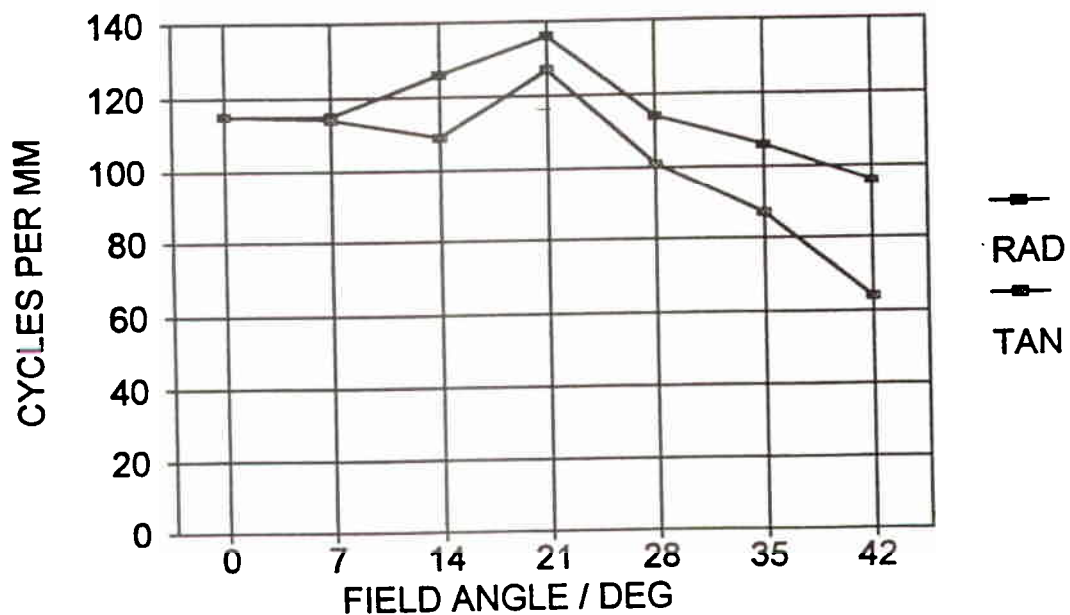
FOCAL LENGTH: 153.597 mm

APERTURE: F4

FILM TYPE: KODAK PANATONIC X 3412

PHOTOGRAPHIC RESOLVING POWER, IN CYCLES PER MM

DEGREES OF AXIS	RESOLUTION	
	RADIAL	TANGENTIAL
0	115	115
7	115	114
14	126	109
21	136	127
28	114	101
35	106	87
42	96	64



MEASURED BY : ZEISS 29.1.92

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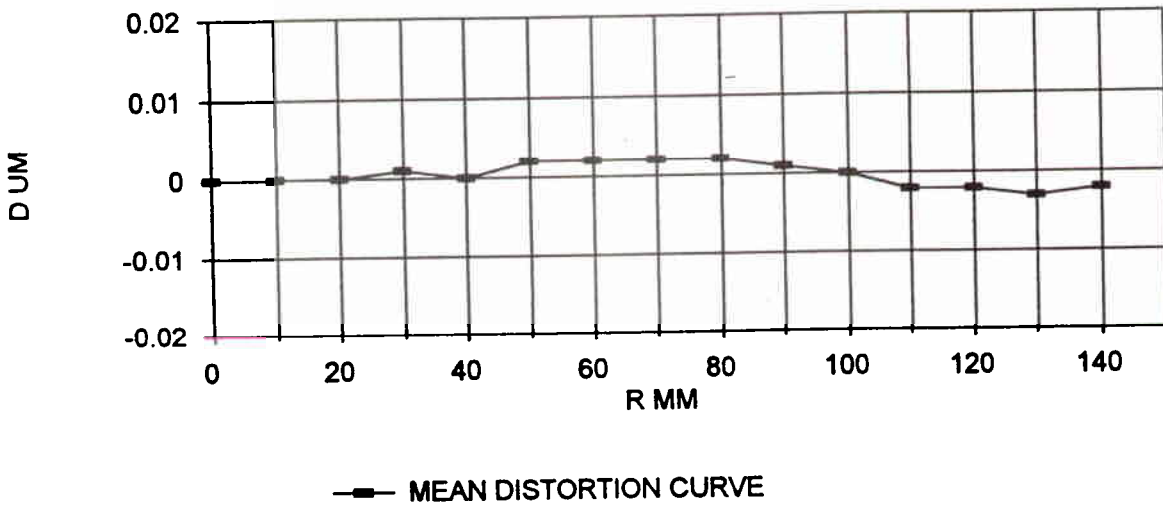
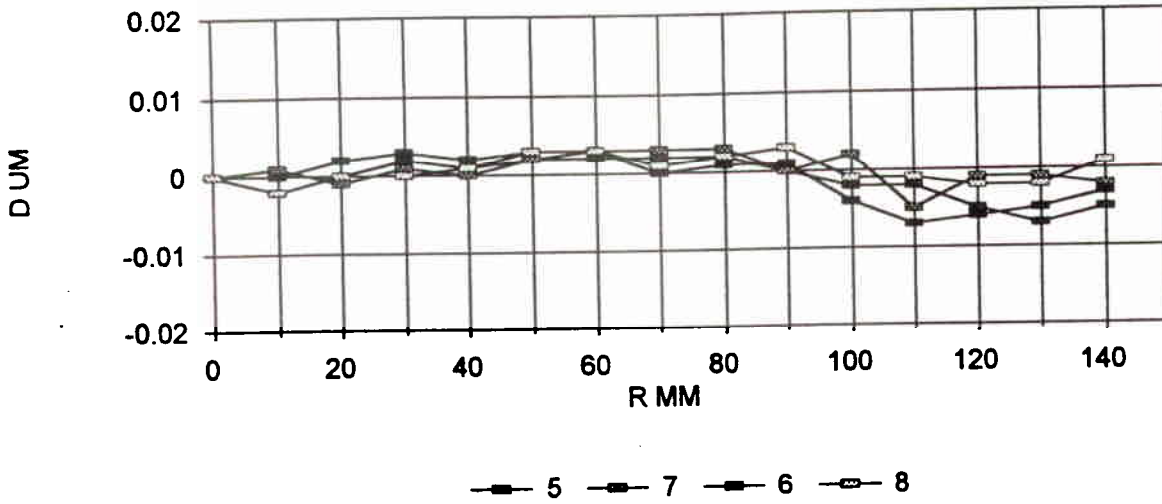
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FILTER ON CAMERA : NONE FITTED

APERTURE : F4



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