

R-10



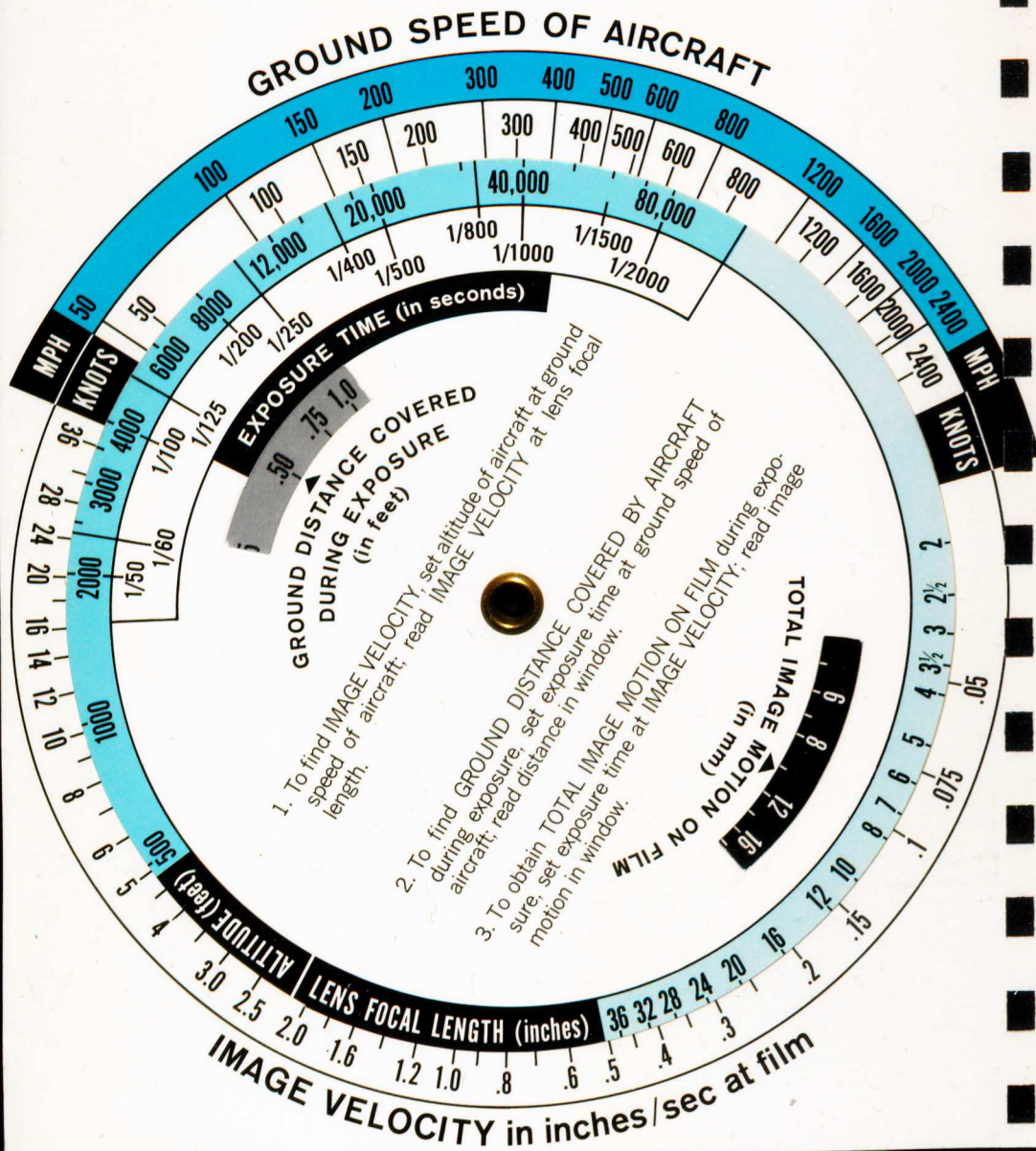
\$4.00

**KODAK**    
**AERIAL EXPOSURE  
COMPUTER**

*Based on Aerial Film Speed and designed for use with  
Kodak black-and-white and color aerial films.*

# TIME-MOTION DIAL

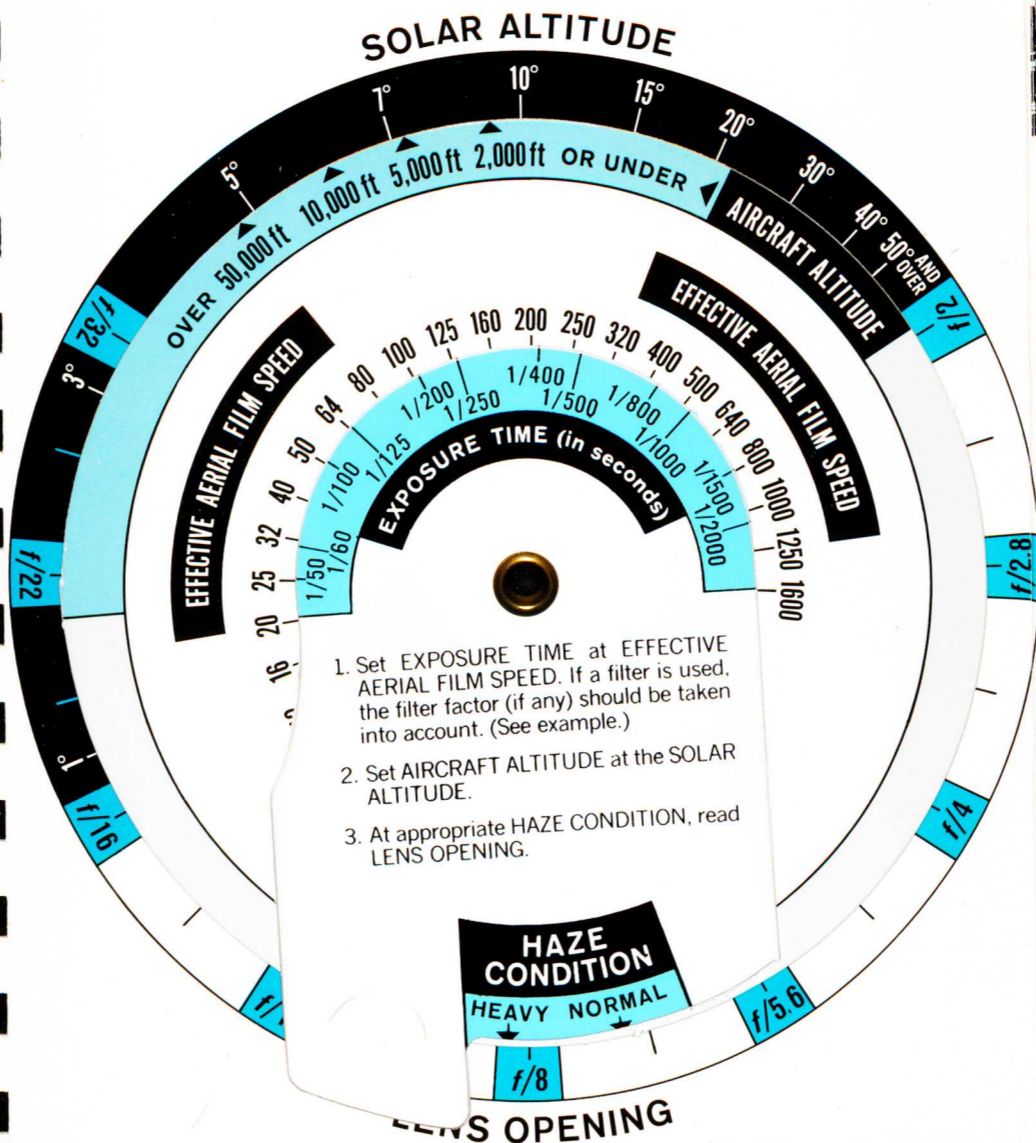
Subject matter and end use of an aerial photograph dictate image-motion tolerance, or the amount of blur acceptable in a negative. The Time-Motion Dial is useful in determining image motion during exposure and in selecting a tolerable exposure time for various combinations of aircraft speed, altitude, and focal length of lens available.



# EXPOSURE DIAL

The KODAK Aerial Exposure Computer will usually give an exposure within the film-exposure latitude, presuming that lenses of average transmission will be used and that the Effective Aerial Film Speed used will be that for the film-process combination selected. Proper exposure depends, to some extent, on the photographer's judgment regarding haze condition and amount of tolerable image motion. With extremely bright or dark subjects, some exposure adjustment may be necessary.

The characteristics of aerial scenes differ markedly from those of ordinary pictorial scenes; different film-speed criteria are used to relate aerial-scene characteristics to practical exposure recommendations. Effective Aerial Film Speeds (not to be confused with conventional film speeds which are designed for pictorial photography) for black-and-white negative aerial films are based on 3/2E, where E is the exposure (in meter-candle-seconds) at the point on the characteristic curve where the density is 0.3 above base plus fog density.



# LATITUDE ZONE MAP



# DATE TABLE

A	Dec. 21	A	
B	Dec. 5	Jan. 5	B
C	Nov. 20	Jan. 20	C
D	Nov. 4	Feb. 5	D
E	Oct. 20	Feb. 20	E
F	Oct. 5	Mar. 7	F
G	Sept. 20	Mar. 22	G
H	Sept. 5	Apr. 6	H
I	Aug. 20	Apr. 22	I
J	Aug. 5	May 7	J
K	July 21	May 22	K
L	July 6	June 6	L
M	June 21	M	

# SOLAR ALTITUDE TABLES

LATITUDE 0°		LATITUDE 10°		LATITUDE 20°	
NORTH	SOUTH	NORTH	SOUTH	NORTH	SOUTH
0630, 1730	0630, 1730	0600, 1800	0600, 1800	0600, 1800	0600, 1800
0700, 1700	0700, 1700	0630, 1730	0630, 1730	0630, 1730	0630, 1730
0730, 1630	0730, 1630	0700, 1700	0700, 1700	0700, 1700	0700, 1700
0800, 1600	0800, 1600	0730, 1630	0730, 1630	0730, 1630	0730, 1630
0830, 1530	0830, 1530	0800, 1600	0800, 1600	0800, 1600	0800, 1600
0900, 1500	0900, 1500	0830, 1530	0830, 1530	0830, 1530	0830, 1530
0930, 1430	0930, 1430	0900, 1500	0900, 1500	0900, 1500	0900, 1500
		0930, 1430	0930, 1430	0930, 1430	0930, 1430
		1000, 1400	1000, 1400	1000, 1400	1000, 1400

LATITUDE 30°		LATITUDE 40°	
NORTH	SOUTH	NORTH	SOUTH
0600, 1800	0600, 1800	0500, 1900	0500, 1900
0630, 1730	0630, 1730	0530, 1830	0530, 1830
0700, 1700	0700, 1700	0600, 1800	0600, 1800
0730, 1630	0730, 1630	0630, 1730	0630, 1730
0800, 1600	0800, 1600	0700, 1700	0700, 1700
0830, 1530	0830, 1530	0730, 1630	0730, 1630
0900, 1500	0900, 1500	0800, 1600	0800, 1600
0930, 1430	0930, 1430	0830, 1530	0830, 1530
1000, 1400	1000, 1400	0900, 1500	0900, 1500
1030, 1330	1030, 1330	0930, 1430	0930, 1430
1100, 1300	1100, 1300	1000, 1400	1000, 1400
1130, 1230	1130, 1230	1030, 1330	1030, 1330
1200	1200	1100, 1300	1100, 1300
		1130, 1230	1130, 1230
		1200	1200

