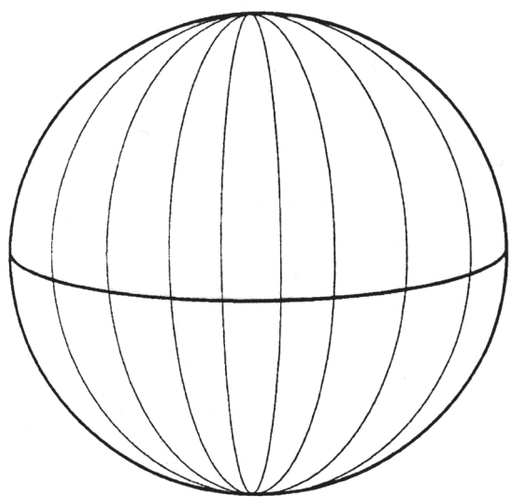
Sight 19

SIGHT REDUCTION TABLES: INTERCEPT, and BEARING Zn ("Azimuth") of the SUN

1	DR LAT	N S	°	' .
2	DR LONG	E W	°	' .



N. Lat.: { LHA > 180°, ……Zn = Z
{ LHA < 180°, ……Zn = 360 – Z
S. Lat.: { LHA > 180°, ……Zn = 180 – Z
{ LHA < 180°, ……Zn = 180 + Z

Sun's GHA *(Almanac, Daily pages)*; **LHA**

15	Sun's GHA	°	' .
		+ 3 6 0°	0 0 . 0
16	15 + 360° if required to allow subtraction in 18	°	' .
17	ASSUMED LONG º from (2) [' in 16] if long W **W –** [60' – ' in 16] if long E **E +**	°	' .
18	LOCAL HOUR ANGLE 16 + or – 17	°	0 0 . 0'
	Subtract 360° if LHA > 360°	– 3 6 0º	0 0 . 0'
19	**Copy LHA to 23**		

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23	LHA (total in 18 above, minus 360° if LHA > 360°)	°	0 0 . 0'
24	ASSUMED LAT N from DR in 1, rounded off S	°	0 0 . 0'
25	DEC CORRECTED N S	°	' .
26	COMPUTED ALT Hc for 23, 24 & 25; **same** or **contrary**; for DEC ° only. **Note d (+ / –) in 27, & Z in 31**	°	' . 0
27	d (+ / – **' per ° of Dec**) CORR'N to Hc for DEC ' table 5 (back of book), for ' in 25	+ –	' . 0
28	HC CORRECTED for ' of DEC in 25	°	' . 0
29	OBS. ALT Ho	°	' .
30	INTERCEPT Ho > Hc: T (28 – 29 or 29 – 28) Ho < Hc: A	T / A	.

	N. LAT	3 6 0 º	S. LAT	1 8 0 º
31		Z º		Z º
32		Zn º		Zn º