

### Calculation of the Local Hour Angle

GREENWICH DATE: \_\_\_\_\_; LOG: \_\_\_\_\_; COURSE: \_\_\_\_\_

1	DR LAT	N S	°	'
2	DR LONG	E W	°	'

**Time of sight (UTC )**

3	CHRONOMETER		h	min	s
4	CRONO. CORRECTION	SLOW FAST	+	min	s
5	UTC TIME		h	min	s

**Sun altitude (Almanac, Altitude Correction Table)**

6	SEXTANT ALT Hs		°	'
7	INDEX CORRECTION	Off the arc On the arc	+	'
8	CORRECTED Hs		°	'
9	HT OF EYE ( )	DIP	-	'
10	APPARENT ALT. Ha		°	'
11	MAIN CORRECTION for Ha SUN: Summer or Winter, LL or UL	UL LL	- +	'
12	OBSERVED ALT. Ho		°	'

**Sun's Declination (Almanac, Altitude Correction Table)**

20	DECLINATION of sun For that day, and hours in	N S	°	'
21	CORR. to DEC for minutes in 5; <b>d</b> (+/- )		+	'
22	DEC CORRECTED 20 +/- 21	N S	°	'

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

13	GHA of sun for that day, and for hours in 5 <b>Record "Dec" in 20, and increment "d" in 21</b>		°	'
14	INCREMENT in GHA for min & s of sight; Inc. & Corr. table	+	°	'
15	GHA TOTAL 13 +14		°	'
			+ 3 6 0°	0 0 . 0'
16	Add 360° if W longitude > GHA to allow subtraction in 18		°	'
17	DR LONG from 2	E + W -	°	'
18	LOCAL HOUR ANGLE 15 or 16 +/- 17		°	'
			- 3 6 0°	0 0 . 0'
19	<b>LHA</b>		°	'

