(72)

In Table I. will be found, answering to Hour angle 20 minutes and Lat. 47 degrees, two Numbers, 205 and 6.6 : the first of these enables one to find the second correction, and the other is the first correction.

In Table II., answering to Altitude 57 degrees and Number 205, is found 8.9, which is the second correction to be applied as above.

EXAMPLE II.

At 11h. 53m. A.M.—App. T. at ship the Sun's true Altitude was observed to be 47° 47′ 47″ Lat. by acct. 27° South. Required the Sun's true Altitude at Noon.

12° 11	м. 00′ 53	True Alt	47° = =	47' 0 1	47" 42 18
Hour angle	7'	Mer. Alt	47	49	47

EXAMPLE III.

At 11h. 10m. A.M., by Watch, show on App. Time at ship 26' the true altitude of the Sun's L. L. was observed to be 66° 17' 34" bearing South, the Latitude by account is 15° 0' North, and the corrected declination 8° 22' 17" S. Required the Latitude by Sun's Meridian Altitude.

Time by Watch 11 10 A. M. Error on App. T 26	True Altitude $$	<pre>' 34' 4 42) 54</pre>	s.
True App. T	Alt. at Noon	3 10 0 00	
Horary angle 24'	Zenith distance 22 50 Corr. decl 8 23	5 50 1 17	N. S.
	Latitude	' 33"	N.

a

H

.