



Greg Rudzinski - Latitude Wheeler

Match Big Dipper in wheel with Big Dipper in sky.

Read minutes of correction for Polaris observation off top of wheel.

Example (Height of Eye: 6 ft, Index Error: 2' off the arc):

Hs		32°10.6'
Index Corr.	+	2.0'
		32°12.6'
Dip	-	2.4'
		32°10.2'
App. Alt.		32°10.2'
Refraction	-	1.6'
		32°08.6'
True Alt. (Ho)		
If LHA Aries is approx. 170°		
		32°09'
Q corr.	+	21'
		32°30'
Latitude		

He (m)	Dip corr.	He (ft)	Dip corr.
1.5	-2.2'	5	-2.2'
2	-2.5'	6	-2.4'
2.5	-2.8'	8	-2.7'
3	-3.0'	10	-3.1'
3.5	-3.3'	12	-3.4'
4	-3.5'	15	-3.8'

App. Alt.	Refr. corr.	App. Alt.	Refr. corr.
0°00'	-34.5'	10°	-5.4'
0°30'	-28.8'	12°	-4.5'
1°00'	-24.3'	14°	-3.9'
1°30'	-20.9'	16°	-3.4'
2°	-18.2'	20°	-2.7'
3°	-14.3'	25°	-2.1'
4°	-11.7'	30°	-1.7'
5°	-9.9'	40°	-1.2'
6°	-8.5'	50°	-0.8'
8°	-6.6'	60°	-0.6'