

A Rule to find the Longitude by the Sun setting

To the Observed Lower Limb, Subtract 21' from the Sum, the Sum being the Satt. Polar Dist, add together, then add 21' to the half Sum and Note the Remainder, take out of Table 27th Secant of Latt, Co. Secant of P Dist Co Sine of half Sum, & Sine of Remainder, (NB) When the Upper Limb is Observed Subtract 53 miles from the Sum, and add 53' to the half Sum

Chron time	upper limb
9.58.44	Latt 13.34 secant 01229
Chron fast 31.06	P. Dist 96.37 cosecant 00290
9.27.38	110.11
6.09.18	109.18
3.19.20	54.58 cosine 9.76296
	55.52 sine 9.91612
	17.69372
	9.84686

Long 49.35 West
March the 3rd 1849

Mr John B Payne

Produce. Co. 37) 594 (18.4
32
274
256
18
Mr John B Payne 1849
7867
176.8
00.99

From Sept the 20th 1849
Dec the 7th 1849

125 17.38.41
90 3.30
107 38.1400 (844)
400
360
400
360
40
20) 515 (26
11
796
25
821