

O Dec 21^m 53^s
 true Dec. 21. 53^s Table 5 B
 90 00
 polar Dist 68-05
 true alt 52 41
 decl 30 22 bearing 08409
 polar Dist 68-05 Cosine 03258
 sum - 2) 151 08
 half sum - 75 34 Cosine 439664
 true alt 52 41
 remainder 22-53 sine 438979
 19.08310
 9.54155

time at ship 9^m 17^s 4^s
 app. time at 6 16 54
 Greenwich }
 range in time - 8 59 50
 26 59 30
 range in 134-57-30

May 31 1826 at 9^m 18^s from lat 30° 22' N long 135° W
 Obs alt was 8. 22 Obs alt was 52.30 the obs Dist was 54° 10' E
 time of obs 9. 18
 add 12. 18
 21. 36
 range in time 1. 00
 mean of obs 30. 18
 subtract 24. 18
 Greenwich by 6 18 amount on the 31

Obs mid noon	14 47	LP noon	54 15
Do midnight	14 45	Do midnight	54 07
	2		8
	1		4
Table 15 B	14 46		54 11
	15		
	15 01		

Obs alt 8. 22 off alt 52.30 app. Dist 54. 10 E app. Dist 54. 10. 20
 off alt - 68. 02 app alt 52. 42 app. Dist 54. 41 10

Sine of app. Dist 9. 9117	Range of app. Dist	1497
Cosine of app. alt 9994	Cosine of app. alt	0327
Pro log of obs par 5214	Pro log of obs par	5214
		7038

A 52 41
 B 85 36
 17 13
 app. Dist 54. 41-10
 1 correction 17-13
 34 23 57
 2 correction 1
 true Dist 54-24-58
 54 32 39
 53 10 51
 1 21 48 pro log 5425
 54 24 58
 54 32 39
 7 41 pro log 1.3697
 1.0212 H m s
 app. time at Greenwich - 6. 16 54