

Question 2

18th Sept 2020

Time zone +2

(Please note – I've completed the time zone box on the sun sight proforma. This isn't really necessary as we only really use this where a date change might be applicable)

Morning sight

| | |
|-----------------|-----------------------------|
| Ship's time | 0923h |
| DR position | 49° 40.0' N 025° 45.0' W |
| Sextant reading | 33° 13.0' |
| Chrono | 11h 22m 40s |
| Index error | 3.0' off the arc |
| Lower limb | |
| Height of eye | 5.0m |

Run

083° 18nm

Mer pass

| | |
|-----------------|------------------|
| Sextant reading | 41° 31.0' |
| Index error | 3.0' off the arc |
| Lower limb | |
| Height of eye | 5.0m |

NOTE

You'll notice the final fix is approx. 32nm away from our original DR. This can easily be the case if our DR has accumulated errors over time i.e. when it's been cloudy and perhaps several days have passed. If in any doubt, the reduction can be undertaken again using the new obtained position. This should produce a very small or negligible intercept.