

## Question 5

A note with this question. This scenario puts us in the southern hemisphere. For those that aren't used to it, it's very easy to constantly make errors with the latitude scale. Those of us from the northern hemisphere are used to the latitude increasing upwards, where of course, in the Southern hemisphere this is the opposite. You'll notice on the plotting sheet I've crossed out all the northerly minutes in a bid to reduce these errors.

It's also May with us in the Southern hemisphere (Sun in the northern Hemisphere). Therefore, the situation will be contrary.

23<sup>rd</sup> May 2020

Time zone +1

### Morning sight

Ship's time	0945h
DR position	36° 43.0' S 019° 53.0' W
Sextant reading	21° 41.0'
Chrono	10h 45m 50s
Index error	2.0' on the arc
Lower limb	
Height of eye	3.0m

### Run

090° T 20nm

### Mer Pass

Sextant reading	32° 13.0'
Index error	2.0' on the arc
Lower limb	
Height of eye	3.00m