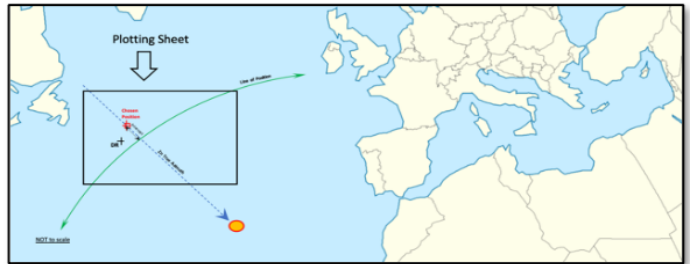


DATE 24th February 2020

DR LATITUDE 12⁰ 33 . 0 N/S
 DR LONGITUDE 062⁰ 03 . 0 W/E

SHIPS CLOCK _____ : _____
 ZONE TIME WEST (+) _____
 EAST (-) _____ : _____ UT
 DATE IN GREENWICH _____

CHRONOMETER 05 H 15 M 21 S
 CORRECTION PLUS (+) _____
~~MINUS (-)~~ 0 M 0 S
 UT 05 H 15 M 21 S **A** →



Sun Sight Pro forma

SEXTANT 0 42⁰ 32 . 0
 INDEX ERROR On arc SUBTRACT 4 . 0
 Off arc ADD
42⁰ 28 . 0
 HEIGHT OF EYE 4 . 0 m SUBTRACT 3 . 5
 APPARENT ALTITUDE 42⁰ 24 . 5
 ALTITUDE CORRECTION SUBTRACT 15 . 2
 ADD
 TRUE SEXTANT ALTITUDE (Ho) 42⁰ 39 . 7 **B** →

→ A <u>05</u> H <u>15</u> M <u>21</u> S	GHA <u>251 40 . 3</u> ADD <u>03 50 . 2</u> GHA = <u>255 30 . 5</u>	DEC <u>09 39 . 7</u> N/S d <u>0 . 9</u> (+) - <u>0 . 2</u> ← v and d corrections DEC = <u>09 39 . 5</u>
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If we are WEST
 SUBTRACT ASSUMED LONG FROM GHA
 If we are EAST
 ADD ASSUMED TO GHA (add 360 to GHA if req'd)
 If LHA is > 360 subtract 360

ASSUMED LONGITUDE 062 29 . 5
 LHA = 318⁰ 00 . 0 **C** →

ASSUMED LATITUDE <u>13⁰</u> N/S → C	LHA <u>318⁰</u> → D	DEC <u>09⁰</u> N/S	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; display: inline-block;"> SAME or CONTRARY </div>
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NB - Chosen Latitude = D.R.
 Latitude rounded UP or DOWN
 Using ASSUMED LAT, DEC, SAME/CONTRARY & LHA in the SIGHT REDUCTION TABLES VOL 2 or 3 look up the Hc, d correction and the Azimuth (Z)

	Hc <u>42 51 . 0</u> CORRECTION <u>- 19 . 0</u> CALCULATED SEXTANT ALTITUDE Hc <u>42 32 . 0</u> TRUE SEXTANT ALTITUDE Ho <u>42 39 . 7</u> INTERCEPT <u>7 . 7</u> TOWARDS AWAY	d (-) <u>28</u> TABLE 5 N. Lat. { L.H.A. greater than 180° Zn=Z L.H.A. less than 180° Zn=360°-Z S. Lat. { L.H.A. greater than 180° Zn=180°-Z L.H.A. less than 180° Zn=180°+Z	Z <u>116⁰</u> Zn <u>116⁰</u>
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