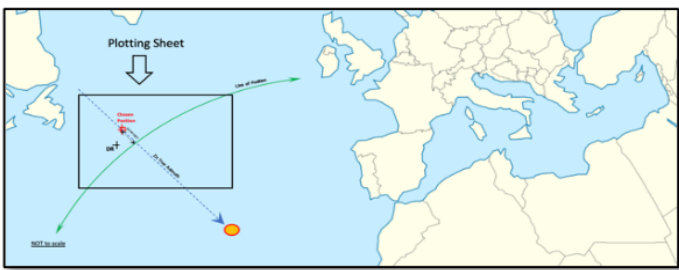


DATE 15th November 2020

DR LATITUDE 15⁰ 49 . 0 ' N/S

DR LONGITUDE 043⁰ 44 . 0 ' W/E



SHIPS CLOCK _____ : _____

ZONE TIME WEST (+)
EAST (-) _____ : _____ UT

DATE IN GREENWICH _____

Sun Sight Pro forma

SEXTANT 0 40⁰ 07 . 0 ' +

INDEX ERROR On arc = SUBTRACT 0 . 0 ' Off arc = ADD _____

40⁰ 07 . 0 ' +

HEIGHT OF EYE 4.5 m SUBTRACT 3 . 7 ' +

APPARENT ALTITUDE 40⁰ 03 . 3 ' +

ALTITUDE CORRECTION SUBTRACT 15 . 1 ' +

TRUE SEXTANT ALTITUDE (Ho) 40⁰ 18 . 4 ' +

CHRONOMETER 12 H 14 M 32 S

CORRECTION PLUS (+)
MINUS (-) _____ M _____ S

UT 12 H 14 M 32 S A →

<p>A → <u>12</u> H</p> <p><u>14</u> M <u>32</u> S</p>	<p>GHA <u>003</u>⁰ <u>50</u> . <u>1</u> ' +</p> <p>ADD <u>03</u>⁰ <u>38</u> . <u>0</u> ' +</p> <p>GHA = <u>007</u>⁰ <u>28</u> . <u>1</u> ' +</p>	<p>DEC <u>18</u>⁰ <u>40</u> . <u>0</u> ' N/S d <u>0</u> . <u>6</u> ' (+)</p> <p>+ <u>0</u> . <u>1</u> ' ← v and d corrections</p> <p>DEC = <u>18</u>⁰ <u>40</u> . <u>1</u> ' +</p>
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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 043⁰ 28 . 1 ' D →

LHA = 324⁰ 00 . 0 ' C →

ASSUMED LATITUDE 16⁰ N/S C →

LHA 324⁰ D →

DEC 18⁰ N/S D →

SAME or CONTRARY

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)

<p>Hc <u>40</u>⁰ <u>53</u> . <u>0</u> ' +</p> <p>CORRECTION <u>-27</u> . <u>0</u> ' -</p> <p>CALCULATED SEXTANT ALTITUDE Hc <u>40</u>⁰ <u>26</u> . <u>0</u> ' +</p> <p>B → TRUE SEXTANT ALTITUDE Ho <u>40</u>⁰ <u>18</u> . <u>4</u> ' +</p> <p>INTERCEPT <u>7</u> . <u>6</u> ' TOWARDS AWAY</p>	<p>d - <u>40</u> ' +</p> <p style="text-align: center;">TABLE 5</p> <p>Z <u>132</u>⁰</p> <p style="text-align: center;">↓</p> <p>N. Lat. { L.H.A. greater than 180° ... Zn=Z L.H.A. less than 180° ... Zn=360°-Z</p> <p>S. Lat. { L.H.A. greater than 180° ... Zn=180°-Z L.H.A. less than 180° ... Zn=180°+Z</p> <p style="text-align: center;">↓</p> <p>Zn <u>132</u>⁰</p>
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