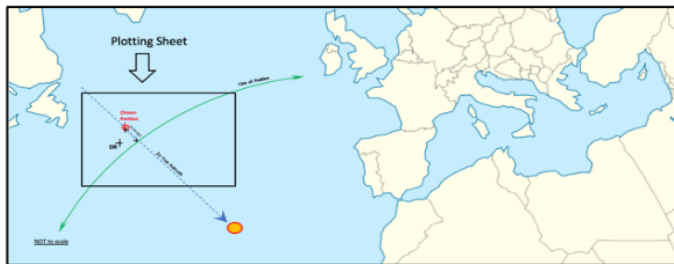


DATE 23<sup>rd</sup> MAY 2020

DR LATITUDE 36<sup>0</sup> 43 . 0 ' N/S

DR LONGITUDE 019<sup>0</sup> 53 . 0 ' W/E



SHIPS CLOCK \_\_\_\_\_ : \_\_\_\_\_

ZONE TIME WEST (+) \_\_\_\_\_  
EAST (-) \_\_\_\_\_

DATE IN GREENWICH \_\_\_\_\_

### Sun Sight Pro forma

SEXTANT 0 21<sup>0</sup> 41 . 0 ' N/S

INDEX ERROR On arc SUBTRACT 2 . 0 ' N/S  
 Off arc ADD

21<sup>0</sup> 39 . 0 ' N/S

HEIGHT OF EYE 3 . 0 m SUBTRACT 3 . 0 ' N/S

APPARENT ALTITUDE 21<sup>0</sup> 36 . 0 ' N/S

ALTITUDE CORRECTION SUBTRACT 13 . 6 ' N/S

TRUE SEXTANT ALTITUDE (Ho) 21<sup>0</sup> 49 . 6 ' N/S **B** ↷

CHRONOMETER 10 H 45 M 50 S

CORRECTION PLUS (+) \_\_\_\_\_  
MINUS (-) 0 M 0 S

UT 10 H 45 M 50 S **A** ↷

↷ <b>A</b> <u>10</u> H <u>45</u> M <u>50</u> S	<b>GHA</b> <u>330</u> <sup>0</sup> <u>48</u> . <u>1</u> ADD <u>11</u> <sup>0</sup> <u>27</u> . <u>5</u> <b>GHA =</b> <u>342</u> <sup>0</sup> <u>15</u> . <u>6</u>	<b>DEC</b> <u>20</u> <sup>0</sup> <u>42</u> . <u>2</u> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">N/S</span> d <u>0</u> . <u>5</u> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">(+)</span> + <u>0</u> . <u>4</u> ← v and d corrections <b>DEC =</b> <u>20</u> <sup>0</sup> <u>42</u> . <u>6</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** 020<sup>0</sup> 15 . 6

**LHA =** 322<sup>0</sup> 00 . 0 **C** ↷

**ASSUMED LATITUDE** 37<sup>0</sup> N/S ↷ **C** 322<sup>0</sup> **LHA** ↷ **D** 20<sup>0</sup> N/S **DEC**

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)

SAME or CONTRARY

	<b>Hc</b> <u>22</u> <sup>0</sup> <u>41</u> . <u>0</u> CORRECTION <u>-37</u> . <u>0</u> <b>CALCULATED SEXTANT ALTITUDE Hc</b> <u>22</u> <sup>0</sup> <u>04</u> . <u>0</u> <b>TRUE SEXTANT ALTITUDE Ho</b> <u>21</u> <sup>0</sup> <u>49</u> . <u>6</u> <b>INTERCEPT</b> <u>14</u> . <u>4</u>	d <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">(-)</span> <u>51</u>	<b>Z</b> <u>141</u> <sup>0</sup> ↓ TABLE 5 ↓ <b>Zn</b> <u>039</u> <sup>0</sup> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">TOWARDS AWAY</span>
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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