

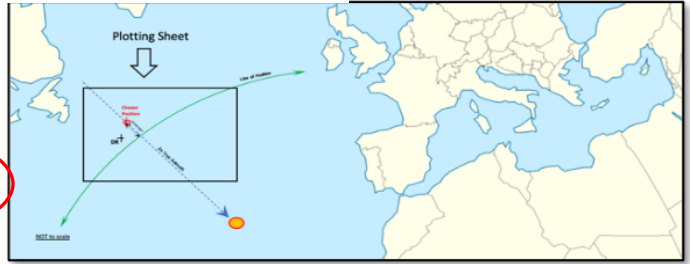
This position comes from our plotting - position DR2

DATE 15<sup>th</sup> November 2020

DR LATITUDE 15<sup>0</sup> 49 . 0 ' **N/S**  
 DR LONGITUDE 044<sup>0</sup> 15 . 0 ' **W/E**

SHIPS CLOCK \_\_\_\_\_ : \_\_\_\_\_  
 ZONE TIME **WEST (+)** \_\_\_\_\_  
 EAST (-) \_\_\_\_\_ : \_\_\_\_\_ UT  
 DATE IN GREENWICH \_\_\_\_\_

CHRONOMETER 15 H 47 M 03 S  
 CORRECTION **PLUS (+)** 0 M 0 S  
 MINUS (-) \_\_\_\_\_  
 UT 15 H 47 M 03 S **A** →



### Sun Sight Pro forma

SEXTANT 52<sup>0</sup> 25 . 0 '  
 INDEX ERROR On arc = **SUBTRACT** 0 . 0 '  
 Off arc = **ADD** \_\_\_\_\_  
52<sup>0</sup> 25 . 0 '  
 HEIGHT OF EYE 4 . 5 m **SUBTRACT** 3 . 7 '  
 APPARENT ALTITUDE 52<sup>0</sup> 21 . 3 '  
 ALTITUDE CORRECTION **SUBTRACT** 16 . 8 '  
 TRUE SEXTANT ALTITUDE (Ho) 52<sup>0</sup> 04 . 5 ' **B** →

<b>A</b> → <u>15</u> H <u>47</u> M <u>03</u> S	GHA <u>048</u> <u>49</u> . <u>8</u>	DEC <u>18</u> <u>41</u> . <u>9</u> <b>N/S</b> d <u>0</u> . <u>6</u> <b>(+)</b>
	ADD <u>11</u> <u>45</u> . <u>7</u>	<b>v and d corrections</b> →
	GHA = <u>060</u> <u>35</u> . <u>5</u>	DEC = <u>18</u> <u>42</u> . <u>4</u>

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** 044 35 . 5

LHA = 016<sup>0</sup> 00 . 0 **C** →

**ASSUMED LATITUDE** 16<sup>0</sup> **N/S** → **C**

LHA 016<sup>0</sup> → **D**

DEC 18<sup>0</sup> **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)

Hc	<u>52</u> <u>32</u> . <u>0</u>	d <b>(-)</b> <u>55</u>	Z	<u>154</u>
CORRECTION	<u>-38</u> . <u>0</u>			
CALCULATED SEXTANT ALTITUDE Hc	<u>51</u> <u>54</u> . <u>0</u>			
TRUE SEXTANT ALTITUDE Ho	<u>52</u> <u>04</u> . <u>5</u>			
INTERCEPT	<u>10</u> . <u>5</u>	<b>TOWARDS AWAY</b>		

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

Zn 206<sup>0</sup>

