Our ship is still on course, steering 56° (T) towards St. Malo.

On May 26, we take a Afternoon Sun Sight to find our position.

The time of the observation is 15h 00m 16s UT.

Prepare the Afternoon Plotting Sheet.

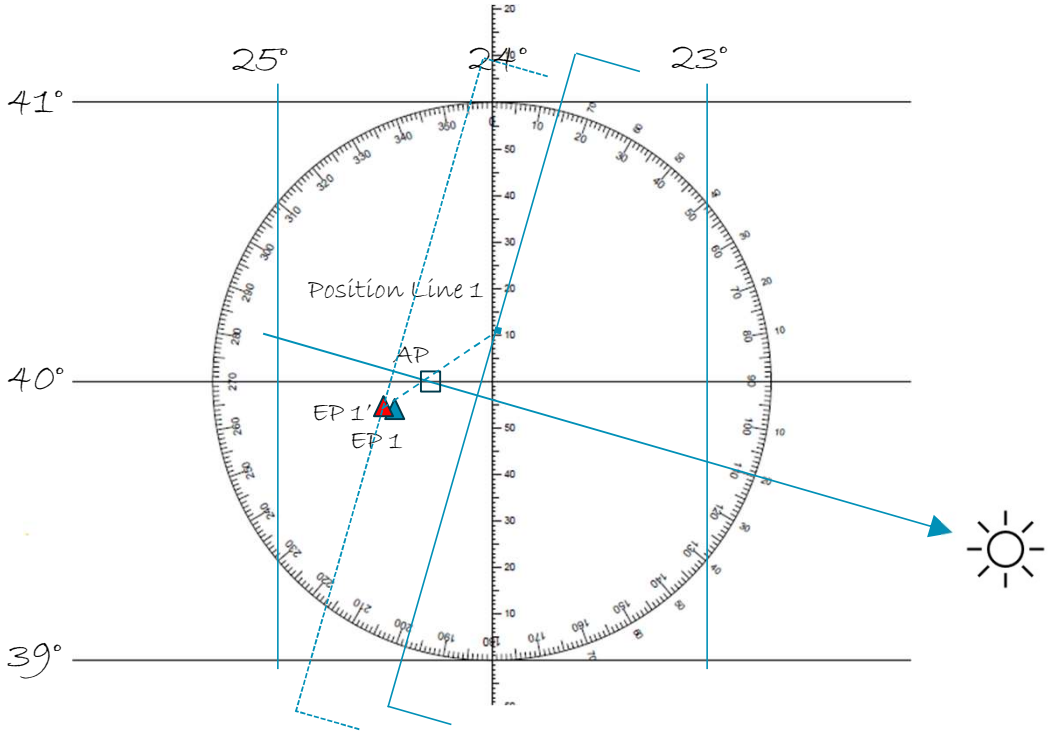
1. Use the 'Morning' Sheet. Plot the Run of a 56° (T) Course Steered, at a SOG of 7kn for 4h10m
2. Determine the 2nd EP
3. Move the Morning Line

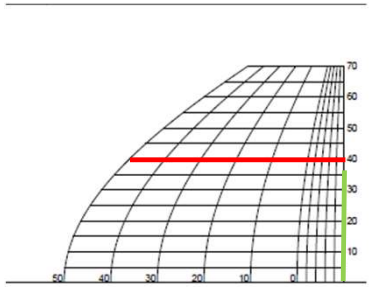
Prepare 2nd Result

Prepare the Afternoon Plot

EP 39° 54' N 024° 28' W
AP 40° N 024° 17'.6 W
Zn= 106°
Intercept 8.4' AWAY

RUN: 56° 7kn 4h10m
EP2 40° 11' N 024° 00'.5 W





Our ship is still on course, steering 56° (T) towards St. Malo.

On May 26, we take a Afternoon Sun Sight to find our position.

The Estimated Position is determined using the Afternoon Plot Sheet.

The time of the observation is 15h 00m 16s UT.

The sextant altitude is 63°27'.3 on the Lower Limb. The Height of the Eye is estimated to be 3.5m. The Index error is 2' off the arc.

Do the Full Afternoon Sight Reduction.

2nd Reduction Answers

Full Afternoon Sight Reduction

SUN SIGHT PRO FORMA

Date:	May 26, 2024					
EP/DR:	40°	11'	.x	N / S		
	024°	00'	.5	E / W		
Sextant Reading				(lower / upper)		
Hight of Eye	3.5	m				
Index Error	2.0	on / off				
Sex. Alt.	63°	27'	.3			
I.E.		2'	.0	(off +, on -)		
	63°	25'	.3			
(2) DIP		- 3'	.3	(-/-)		
Apparent Alt.	63°	22'	.0			
(3) Alt.corr.		15'	.5			
True Alt. (Ho)	63°	37'	.5			
Assumed Latitude	40°	N / S				

	h	m	s
Ship time			
(1) Long Time			
UT time			
		m	d
Greenwich Date:		5	26
Chronometer			
Correction			
UT Sight	15	00	16

(4) GHA h	45°	43'	.3	
(5) + Incr m	0°	04'	.0	
GHA	45°	47'	.3	
Ass. Long	-024°	47'	.3	W- / E+
LHA	21°	00' .0		
(4) Decl.	21°	16'	.8	N / S d=0.4 + (+/-)
(5) d'		0'	.0	(+/-)
Decl.	21°	16'	.8	N / S

(6) SRT Table	40°	21°	SAME	SAME if Ass. Lat and Decl are both N or S, CONTRARY when not		
LHA	21°					
Hc' (6)	63°	54'	.x	d= 46 (+/-)	Z =	130°
Correction (7)		13'		46 / 17	Decl ' rounded to the nearest minute	
Hc	64°	07'	.			
				if N, if LHA > 180, Z = Zn, if LHA < 180, Zn = 360 - Z		
Ho	63°	37'	.5	if S, if LHA > 180, Zn = 180 - Z, if LHA < 180, Zn = 180 + Z		
Intercept	29'	.5	To / Away	Zn =	230	
	(difference Ho and Hc)		if Ho < Hc, Away if Ho > Hc, To			

De Zeezeilers
Zeezeilschool

Our ship is still on course, steering 56° (T) towards St. Malo.

On May 26, we take a Afternoon Sun Sight to find our position.

The time of the observation is 15h 00m 16s UT.

Use the prepared Afternoon Plotting Sheet.

1. Note the data
2. Plot the AP
3. Plot the Sun's bearing (Sun line)
4. Plot the Position Line at the Intercept
5. Find the Position Fix

Fix Result

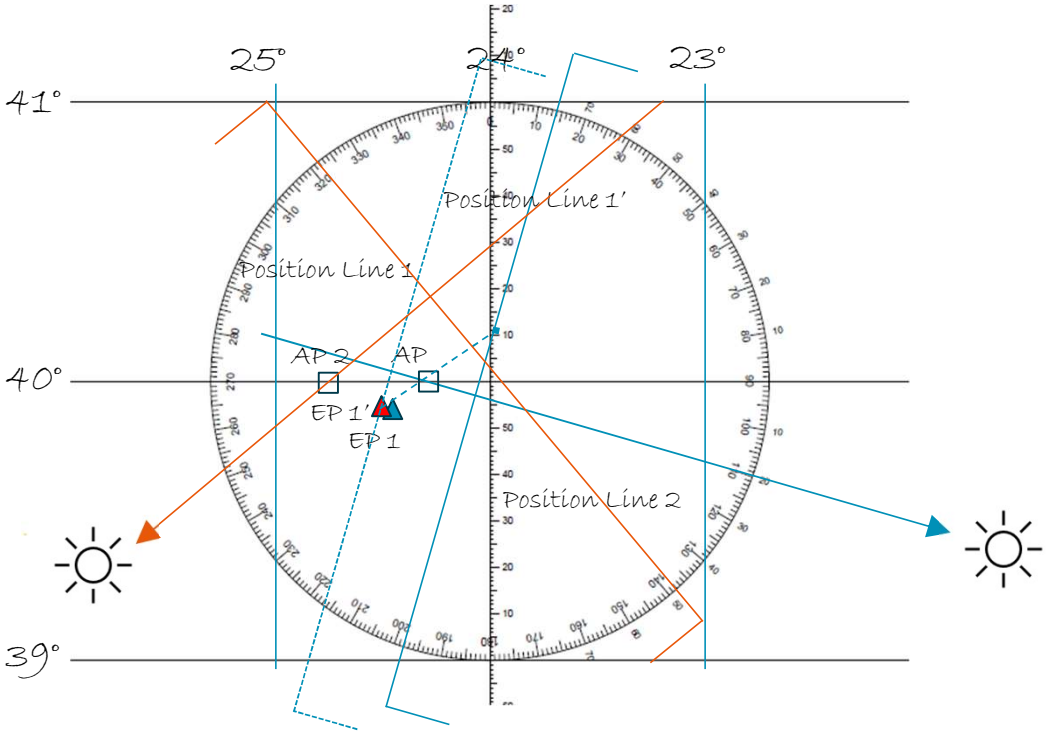
Plotting the 2nd Sight Reduction Results

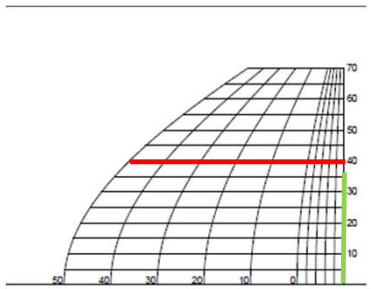
EP 39° 54′ N 024° 28′ W
AP 40° N 024° 17′.6 W
Zn= 106°
Intercept 8.4′ AWAY

RUN: 56° 7kn 4h10m
EP2 40° 11′ N 024° 00′.5 W

AP2 40° N 024° 47′.3 W
Zn= 230°
Intercept 34.5′ AWAY

FIX: 40° 04′.5 N 024° 02′ W





RYA TRAINING CENTRE