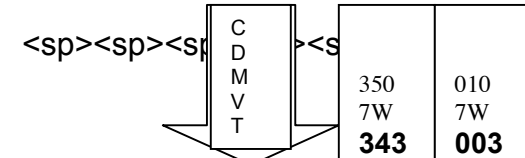


## Day Skipper Ex 4 CHARTWORK: POSITION FIXING – ANSWERS PART B

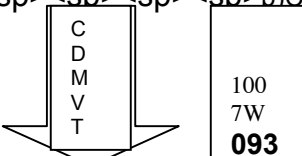
9. 

Time	Log	Dist
1555	00	
1615	1.7	<b>1.7</b>
1727	8.1	<b>6.4</b>

DR Position – plot courses of 343T for 1.7M and 003T for 6.4M to get position-  
**45°51'.00N 006°12'.30W**

10. a) Fix 45° 38'.4N 006° 24'.50W at 1130

b) Convert course to true

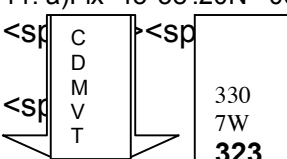


Speed 4.5k Dist for 1 hr **4.5M – Course 093T**  
**DR @ 1235 45°38'.20N 006°18'.1W**

c)

Tide: 349T for 2M  
**EP 45° 40'.2N 006°18'.70W**

11. a) Fix 45°38'.20N 006° 15'.00W – plot on chart b) Convert course to true



Log 13.3-4.1 Distance is **9.2M – Course 323T**  
**DR 45° 45'.5N 006° 22'.90W**

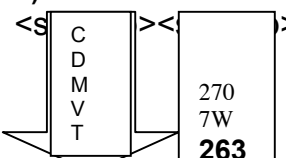
Tide: 174T for 0.8M and 182T for 1.6M  
**EP at 0950 45° 43'.1N 006°22'.90W**

c) Yacht will pass SW of hazard d) SOG 3.7 knots. SOG less than speed thro water as it's sailing against tide

12. a) HW Victoria 1013 Spring range

0943                      1013                      1043                      HW + 1                      1143

b) From diamond M                      HW +1 hour                      186°(T)                      1.2 knots



Speed 9.0k Dist for 1 hr **9M – Course 263T**  
 This will give DR posn – add tide: 186°(T) 1.2 knots  
 c) EP 45°49'.35N 006° 24'.20W  
 d) COG 256°(T)

13. No – boat will not clear reef. EP 1143 45 49 80N 006 18 60 W

14. a) Fix 45° 49'.15N 006°17'.90W b) HW Victoria 1633UT Neaps HW-2 179T 1.4Kn 1/2hr 0.7M  
 EP 1445 45° 39'.8N 006°14'.00W

15. a) It will clear rock by 0.75M b) COG 232T SOG 13.7Kn