

M23 - Tidal stream calculation

Current vector calculation

1. Find standard port for tidal stream (on the chart at table with tidal diamonds)
2. Find hour HW standard port in tidal almanac
3. Correct hour for summer time (if applicable)
4. Correct hour for your location (if applicable)
5. Is it spring or neaps ?
6. Choice tidal diamond
7. Find out how many hours before or after HW

Estimated position calculation	Course to steer calculation
<ol style="list-style-type: none"> 1. Plot start position on the chart 2. What is the steered compass course ? (CC) 3. Correct for deviation (if applicable) 4. = Magnetic course (M) 5. Correct for variation 6. = True course (T) 7. Correction for leeway (if applicable) 8. = Final true course (T) plot it on the chart 9. Calculate sailed distance and plot it on the chart 10.= Dead reckoning (DR) 11.Draw current vector(s) at the DR position (1 per hour) 12.= plot estimated position – use symbol 	<ol style="list-style-type: none"> 1. Plot start position on the chart 2. Plot destination on the chart 3. Draw a line on the chart between start and the destination . 4. Calculate distance 5. Calculate approximately sailing time 6. Draw current vector (one per hour) at the start position. 7. Connect end of current vector(s) with distance sailed (nbr hours equal number of current vectors) and draw a line . This is your is Course Over Water 8. Calculate the course to steer (T) 9. Correct for variation 10. = Magnetic course (M) 11. Correct for leeway (if applicable) 12. Correct for deviation 13. = Final compass course to steer (CC)