

In Class Example



Thursday 28 May – Yacht “Nonsuch”

Time	Log	Cse	Wind	L/W	Notes
1055 SPDST	54.0	105C	N3	5	GNSS Fix - 45° 41.7'N / 006° 20.8'W Making for WP4 at 45° 40.6'N / 006° 14.2'W Current average speed = 5.5 knots.

The Skipper wants to determine the Course to Steer (CTS) from the present position to the waypoint.
Work out:

1. The time of HW and range of the tide at Victoria in the morning of 28 May. Is this range springs, neaps or in between?
2. Convert the time of HW to SPDST.
3. Which tidal hour do we need to use to determine the tidal stream from 1055 to 1155 SPDST?
4. Using $\langle \rangle R$ – what is the set and drift for this hour?
5. Plot the start position and the WP, then draw a one-hour triangle to find the CTS in $^{\circ}T$.
6. Convert the CTS to a magnetic bearing ($^{\circ}M$).
7. The skipper expects to make **10deg leeway** on this new course – what is the compass course ($^{\circ}C$) you pass to the helm to correct for this?



In Class Example (Continued)

8. What is the expected speed over the ground (SOG)?
9. What is the estimated time of arrival (ETA) at WP4?

