Test Case TC51 Test STW correction w/ Leeway

Belongs to Plan(s): TP5 dashboard_tactics...

Belongs to Suite(s): TS18 NMEA simulator ...

Case Type: Functionality

Label(s): windows linux

Test Quality: **EXCELLENT** Defects Closed Fixed

Assign To: Petri Makijarvi

Case Priority: Medium

Estimate: 180

Is Automated

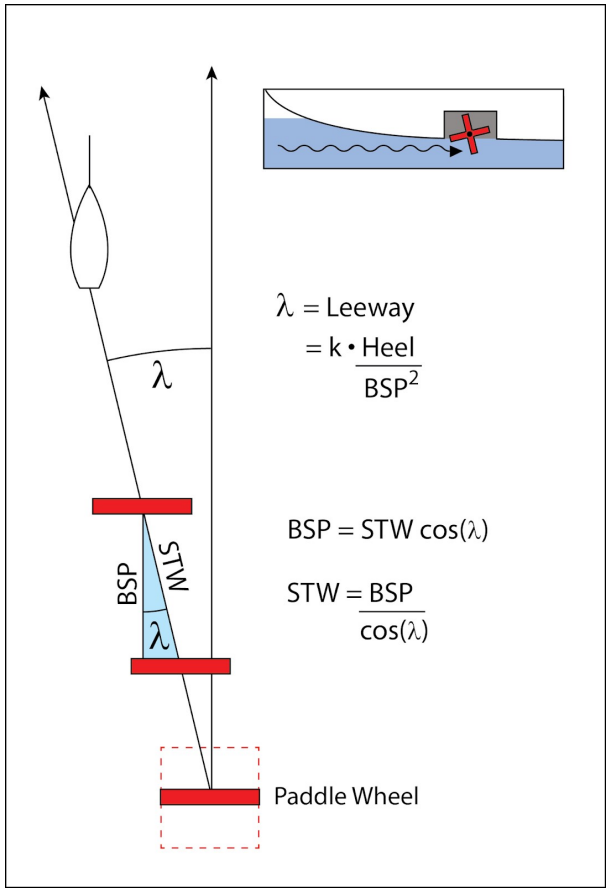
Precondition

Pre-requisite for this test is successful execution of TC50. In this test we use NMEA simulator http://www.kave.fi /Apps/ to create and control speed on water, it is also to make the apparent wind consistent with the heel. The NMEA Simulator not sending XDR-sentences for heel, they are generated with NMEA Converter plugin.

Steps

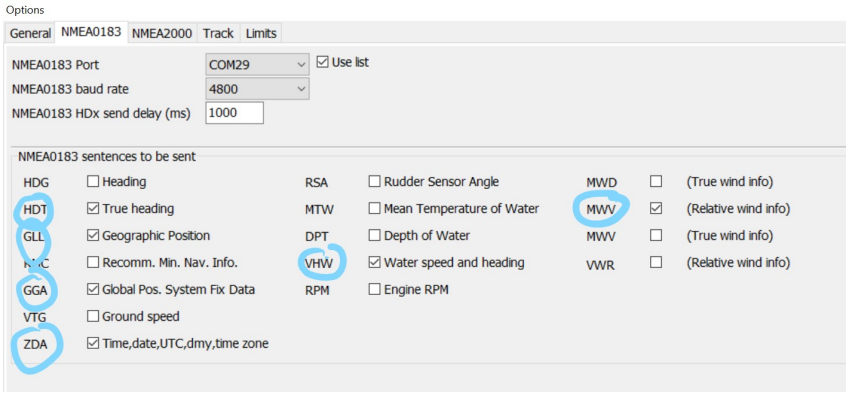
Click "**Tab**" or "**Shift** + **Tab**" to navigate grid

1 Please study the below diagram to understand the correction we attempt to reach:

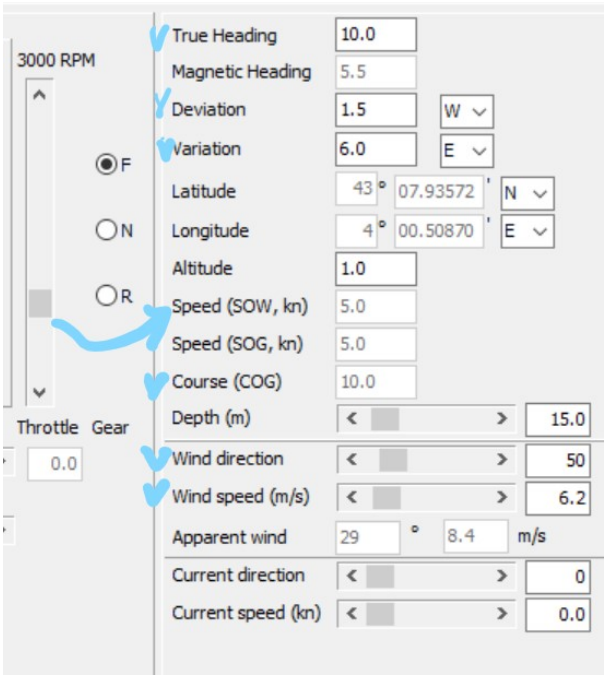


cf. http://davidburchnavigation.blogspot.com/2018/04/effect-of-leeway-on-knotmeter-speed.html

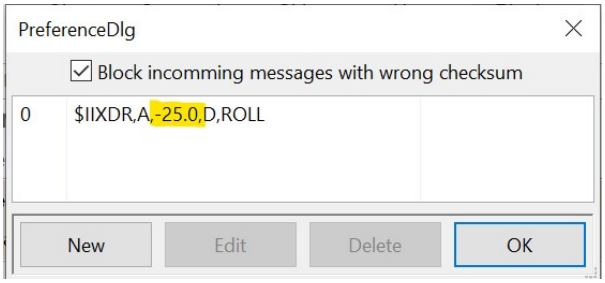
2 Continue with the same settings as in preceding Leeway testing what comes to the NMEA sentences from the NMEA simulator:



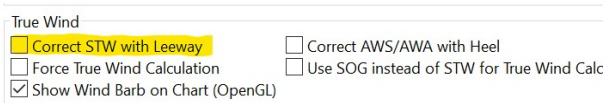
3 Use these values for making the boat move and for the wind:



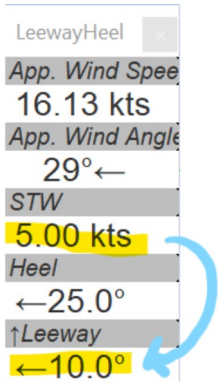
4 Provide XDR sentences with the NMEA converter to make the boat heel to port side by **25** degrees.



5 Make sure that the STW correction is not selected.

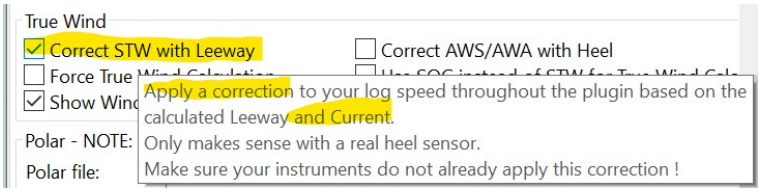


6 Observe the leeway with the non-corrected STW.

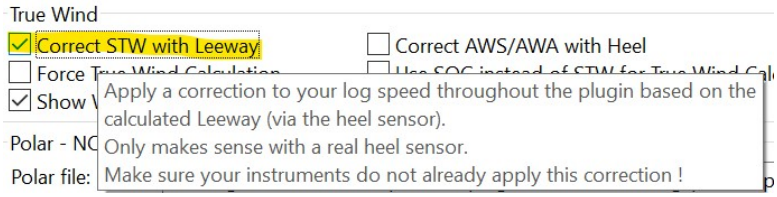


7 Select the correction of the STW with Leeway.

PASS criteria: bug fixes for b3 have been applied and the pop-up warning message has been modified accordingly:



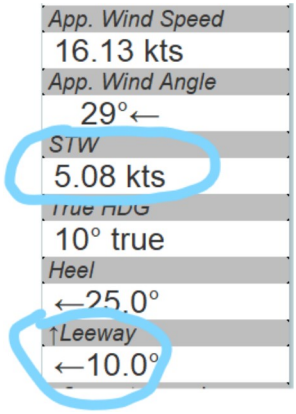
FAIL criteria: bug fixes for b3 have not been applied and the pop-up warning is that of tactics_pi v1.0.009.



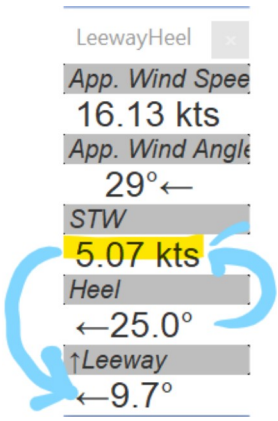
PASS or FAIL

8 Observe and verify the result, STW' = STW / cos (Leeway)

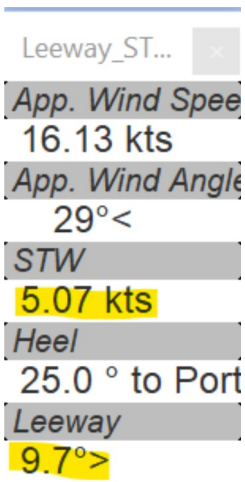
PASS Criteria: Fixes for the Defect D3 have been applied and Leeway is not corrected with corrected STW.



FAIL Criteria: Fixes for the Defect D3 have **not** been applied ore regression has occurred and Leeway corrected with corrected STW.



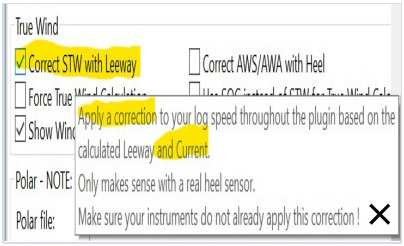
The failed result can be confirmed (not mandatory) with the tactics_pi v1.0.009 in the same installation:

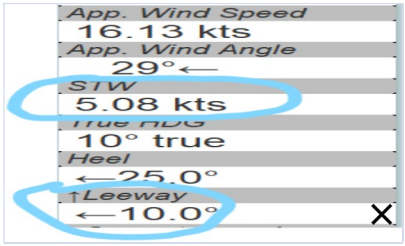


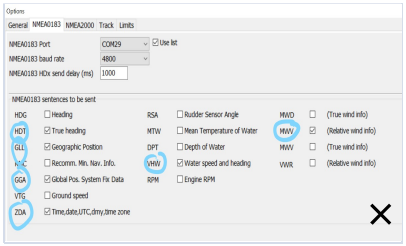
PASS or FAIL

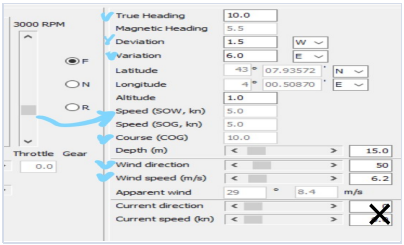
⊕ Add Step

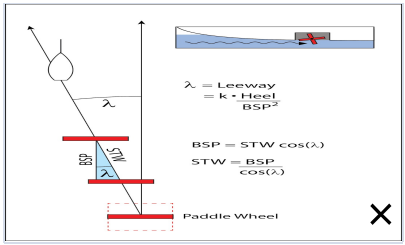
Attachments

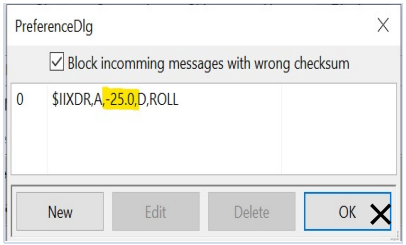












« ‹ 1 2 › »

Add Attachments

RESULTS | DEFECTS | REQUIREMENTS

Status	Test Plan Run	Assigned To	Updated At↑	Actions
Fail	TPR35 dashboard_tactics_pi_...	Petri Makijarvi	about a year ago	
Skip	TPR36 dashboard_tactics_pi_...	Petri Makijarvi	about a year ago	
Pass	TPR37 dashboard_tactics_pi_...	Petri Makijarvi	about a year ago	
Skip	TPR41 dashboard_tactics_pi_...	Petri Makijarvi	about a year ago	
Skip	TPR42 dashboard_tactics_pi_...	Petri Makijarvi	about a year ago	

« ‹ 1 2 3 4 › »

ACTIVITY | HISTORY | COMMENTS