



Welcome to the Summer newsletter from SKIPPER Electronics AS.

SKIPPER with new combined Speed Log!



The new SKIPPER SD21 is a combined SATLOG and Speed Through Water (STW) Log. It uses the SATLOG with Dual GLONASS/GPS to provide Speed Over Ground (SOG) in three axis (Docking mode), and the SKIPPER DL1 (Doppler) to provide STW in one axis. The Electronic unit is combined, so the installation is made easy!

The SKIPPER SD21 is Wheelmarked, and will satisfy the requirement for vessels above 50 000 GT according to MSC.334(90).

The full setup consist of:

Product number	Description
SY-SD21SB-SA SKIPPER	SD21 in Single hull ball valve stainless 60mm version
DL1SG-SA	DL1 Single Axis Doppler Sensor for Sea valve, 40m cable
SB-60-SA	Sea Valve 60 mm, Single Bottom SKIPPER, DNVGL appr.
SB-60-SA-M-KIT	Mounting Kit for SB-60-SA (Needed for all SB-60-SA Sea Valves)
JB70SD21-SA	Electronic Unit for combined SATLOG and DL1 Doppler Speed Logs
SD21-SB	Display for SATLOG SD21 & S2
CD402CU-SC	DL1-Multi. Control Unit with LAN and plug
JB12-SA	Junction Box, 12 pole for Speed Logs
SL-SN300-SA	SATLOG GPS and GLONASS antenna

[For more information please follow this link!](#)

Performance of SKIPPER DL2 Doppler Speed Log:

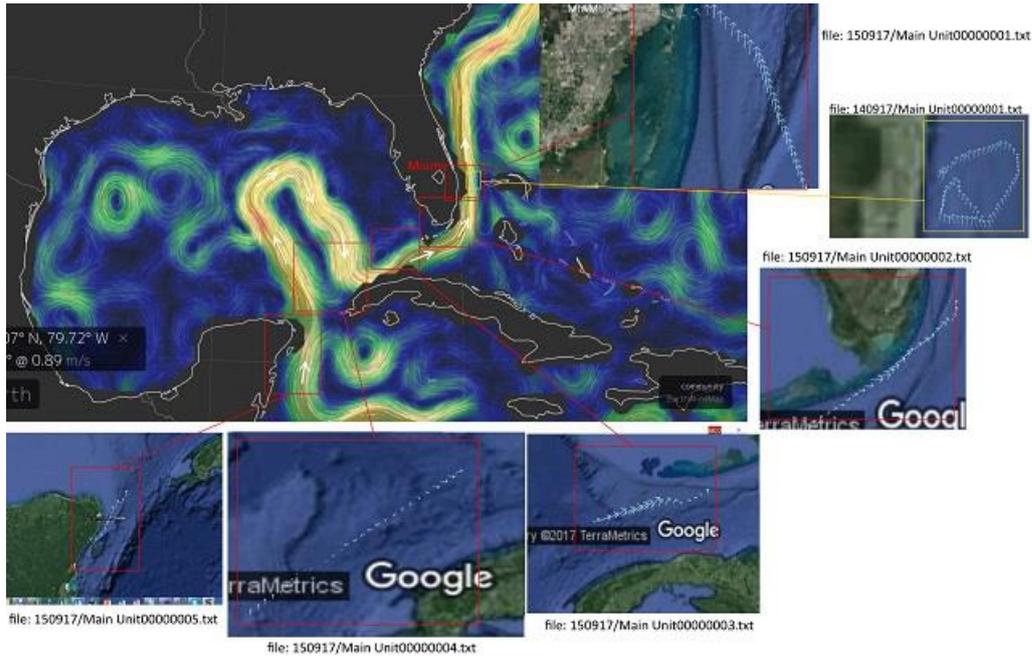
SKIPPER DL2: How does it perform?

SKIPPER DL2 is the new standard 2/3 Axis Doppler STW and SOG. Service on this type of system often starts with a dataset being sent from the customer. From this SKIPPER can see how the system performs, and give direct advice of how to improve the performance of the system. This has led to quick service and solutions.

SKIPPER can also assist to optimise calibration, or even perform the calibration remotely.

The pictures below show such a case where calibration was checked, and by looking at a weeks data set, SKIPPER could clearly follow the Gulfstream currents from the vessel. This is shown by overlaying the currents onto a map of the Gulfstream (earth.nullschool.net)

All this is part of our program to get the DL2 ideal for future vessel usage for manoeuvring, planning and use in efficiency systems.



Download demo of all new SKIPPER products!

Do you want to try the user interfaces on all new SKIPPER products?

- [Download from the following link for DL2!](#)
- [Download from the following link for the rest of the products!](#)

Unzip the file to your PC, and start the .exe program for the product you want to try.

Training Courses in 2019

The following training courses are on planning for 2019:

Date	Place	Host Comany	Duration (Days)
15.-18. October	China, Shanghai	Seven Seas Marine	4*

* Limited spaces available for this course

If you want to join one of these training courses please send your request to support@skipper.no.

Best regards,

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