

exail

Delph INS subsea

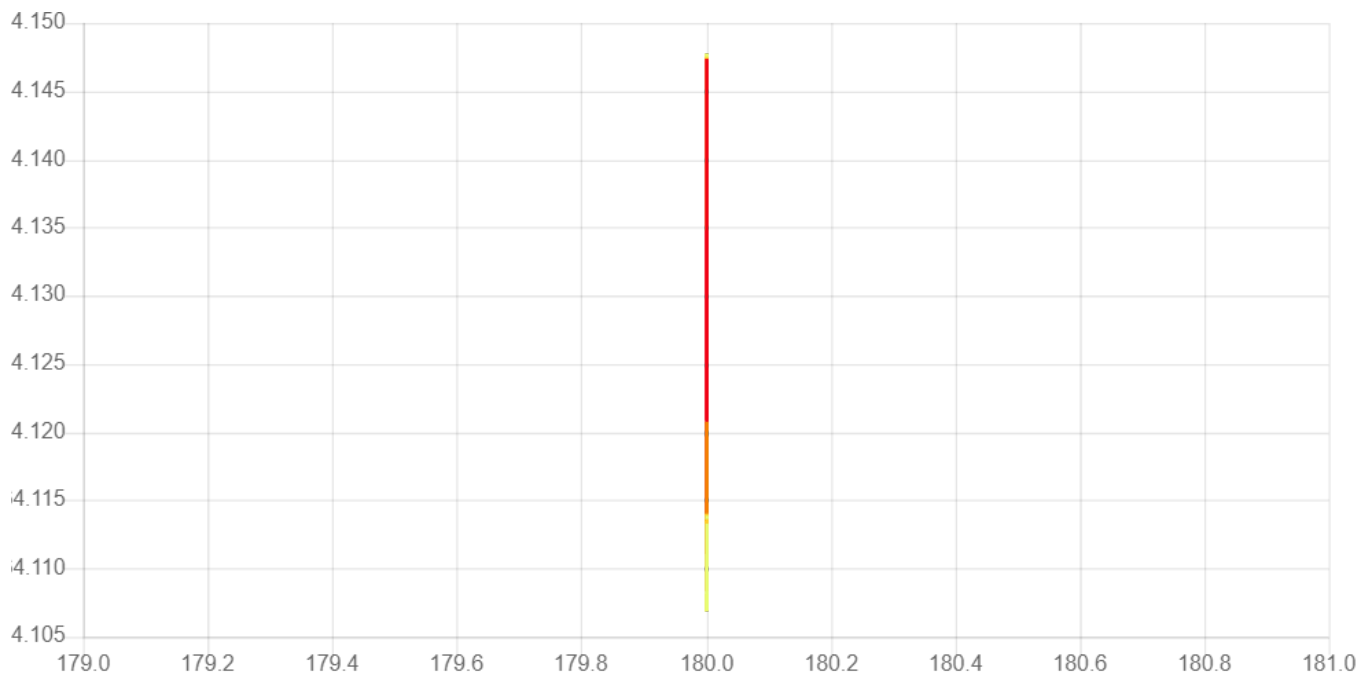
PROJECT OVERVIEW (REAL TIME)

INS-postprocessing-ins

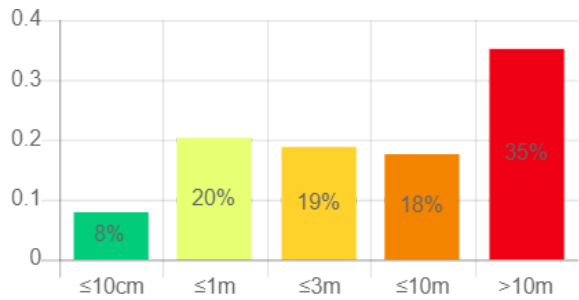
PRODUCT TYPE	rovins
SERIAL NUMBER	PH-1557
PACK NUMBER	
DSP VERSION	2.80
CINT VERSION	5.72
ALGORITHM VERSION	157.0
DELPHINS VERSION	3.7.0
DONGLE	0.0.0.0
TIME (START)	27/11/2014 10:31:42.000
TIME (STOP)	27/11/2014 13:50:43.396
DURATION	03:19:01.396
POST-PROCESSING ALGORITHM	None

NAVIGATION - Positioning quality overview - Northing / Easting (REAL TIME)

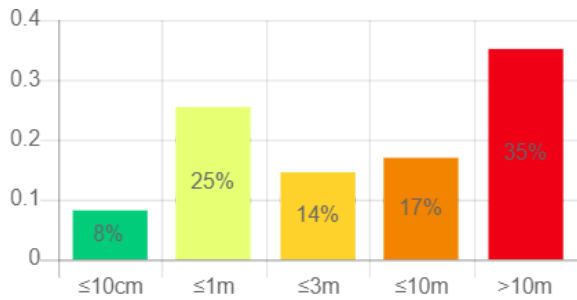
Trajectory (Position Standard Deviation)



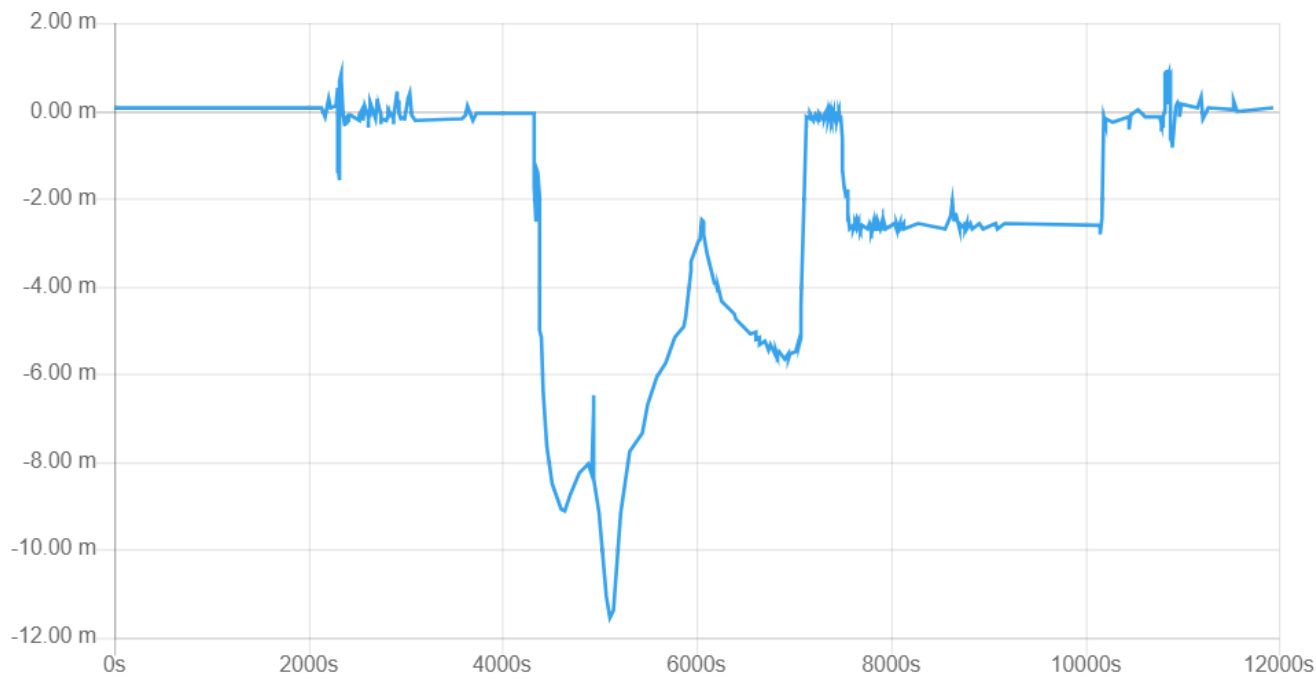
Northing Standard deviation



Easting Standard deviation

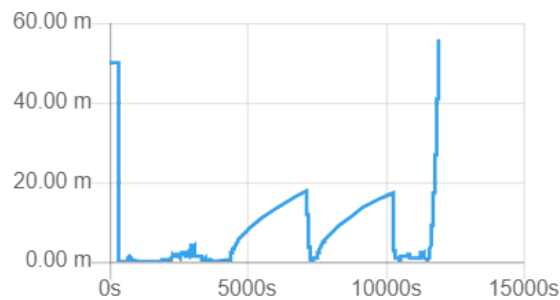


Diving profile

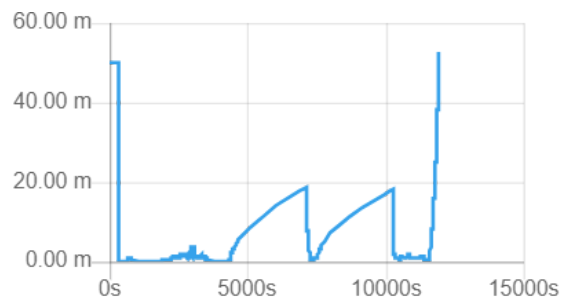


NAVIGATION Positioning quality overview - vs Time (REAL TIME)

Northing Standard deviation



Easting Standard deviation



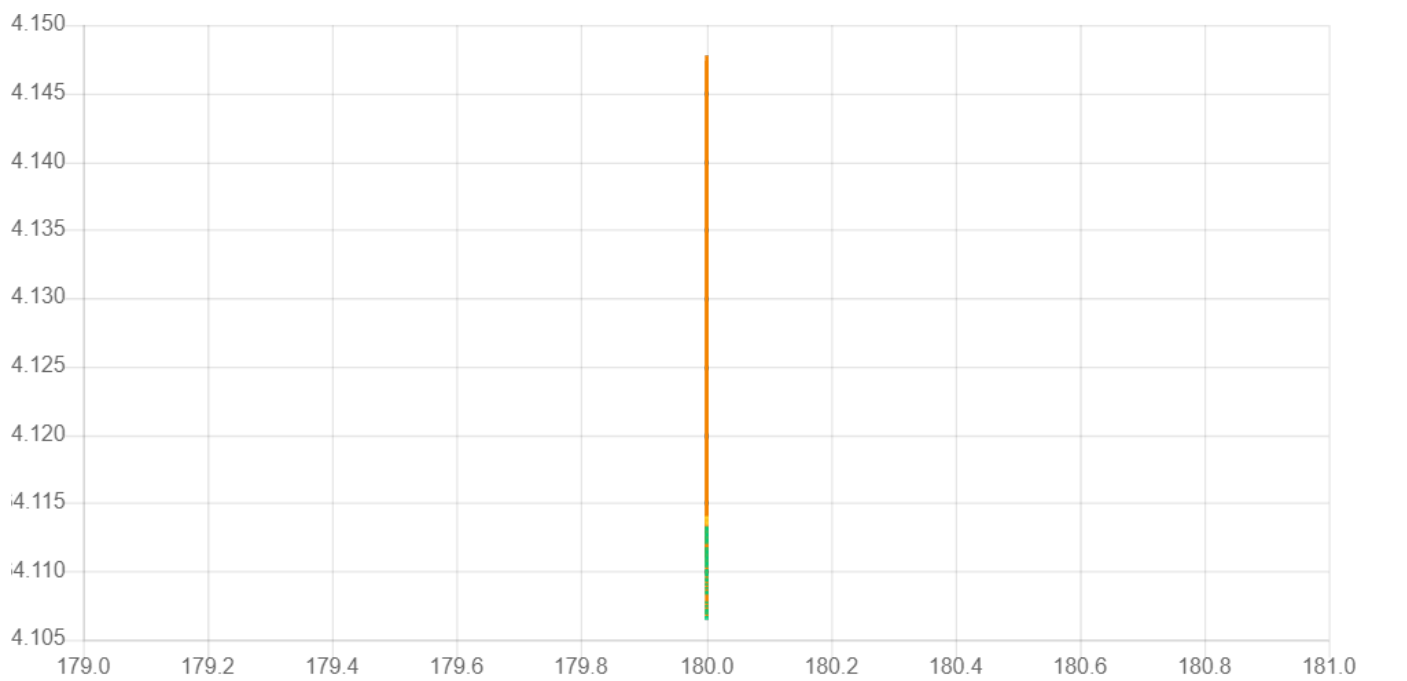
	Requirement	Ratio (CEP _{xx})	Result
Horizontal Position Standard Deviation (Northing)	≤3m	≥95.0%	47.1%
Horizontal Position Standard Deviation (Easting)	≤3m	≥95.0%	47.9%
Vertical Position Standard Deviation	≤3m	≥95.0%	100.0%
Heading Standard Deviation	≤0.1°	≥95.0%	97.9%
Roll Standard Deviation	≤0.01°	≥95.0%	100.0%
Pitch Standard Deviation	≤0.01°	≥95.0%	100.0%

Alignment Status

- Initial alignment should be recorded.
- Heading performance shall be reached.
- The system shall remain static during the rough alignment phase.

SENSOR General overview (REAL TIME)

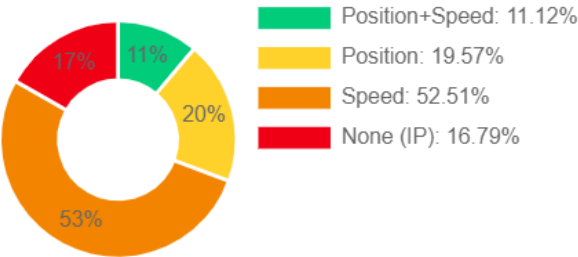
Trajectory (Pairing mode)



Aiding sensors

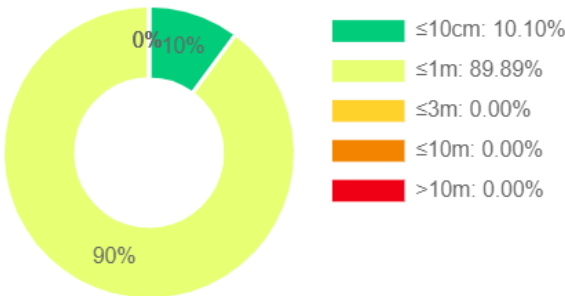
- ☒ GPS₁
- ☒ DEPTH
- ☒ DVL_(bottom track)
- ☒ DVL_(water track)

INS Pairing mode

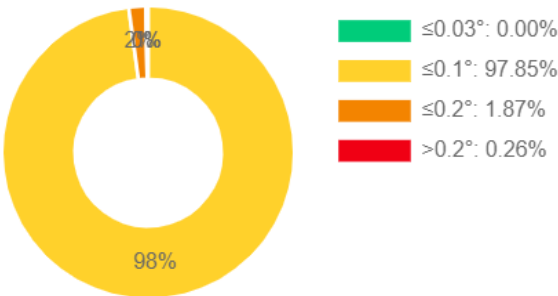


INERTIAL NAVIGATION SYSTEM (REAL TIME)

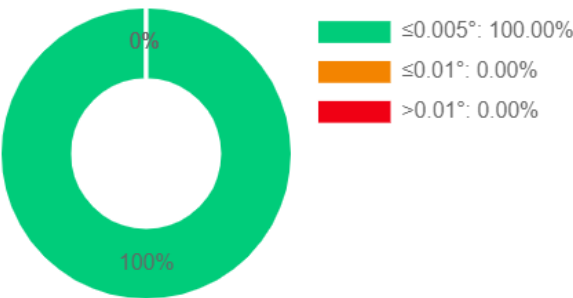
Altitude Standard deviation



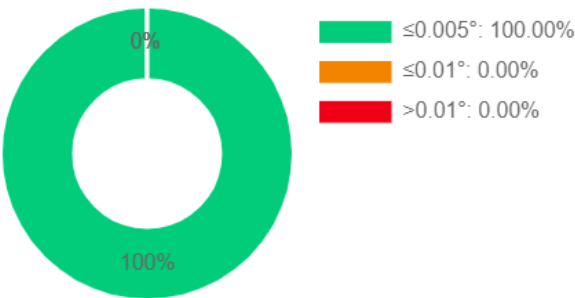
Heading Standard deviation



Roll Standard deviation

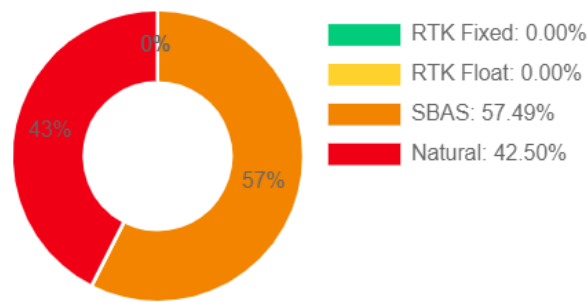


Pitch Standard deviation

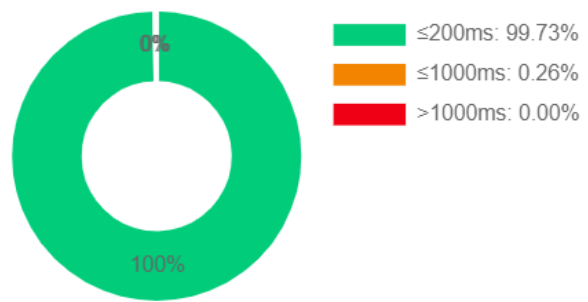


GLOBAL NAVIGATION SATELITE SYSTEM - GNSS (REAL TIME)

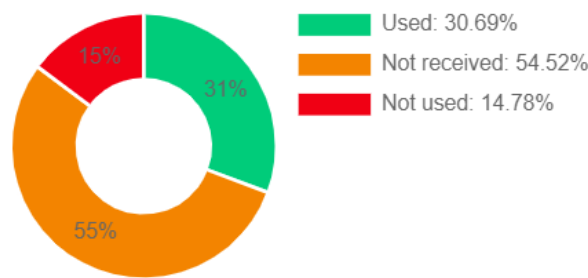
GPS₁ Mode



GPS₁ Latency

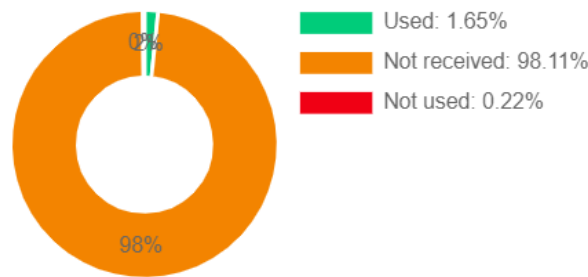


GPS₁ Status



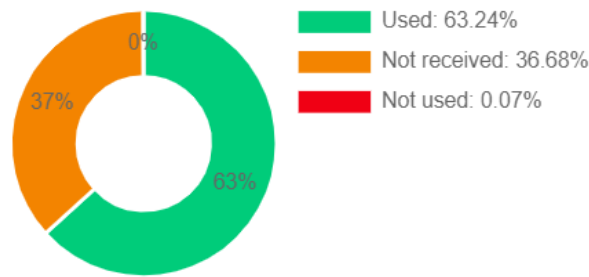
DOPPLER VELOCITY LOG - WATER TRACK (REAL TIME)

DVL-WT Status



DOPPLER VELOCITY LOG - BOTTOM TRACK (REAL TIME)

DVL-BT Status



DEPTH (REAL TIME)

DEPTH Status

