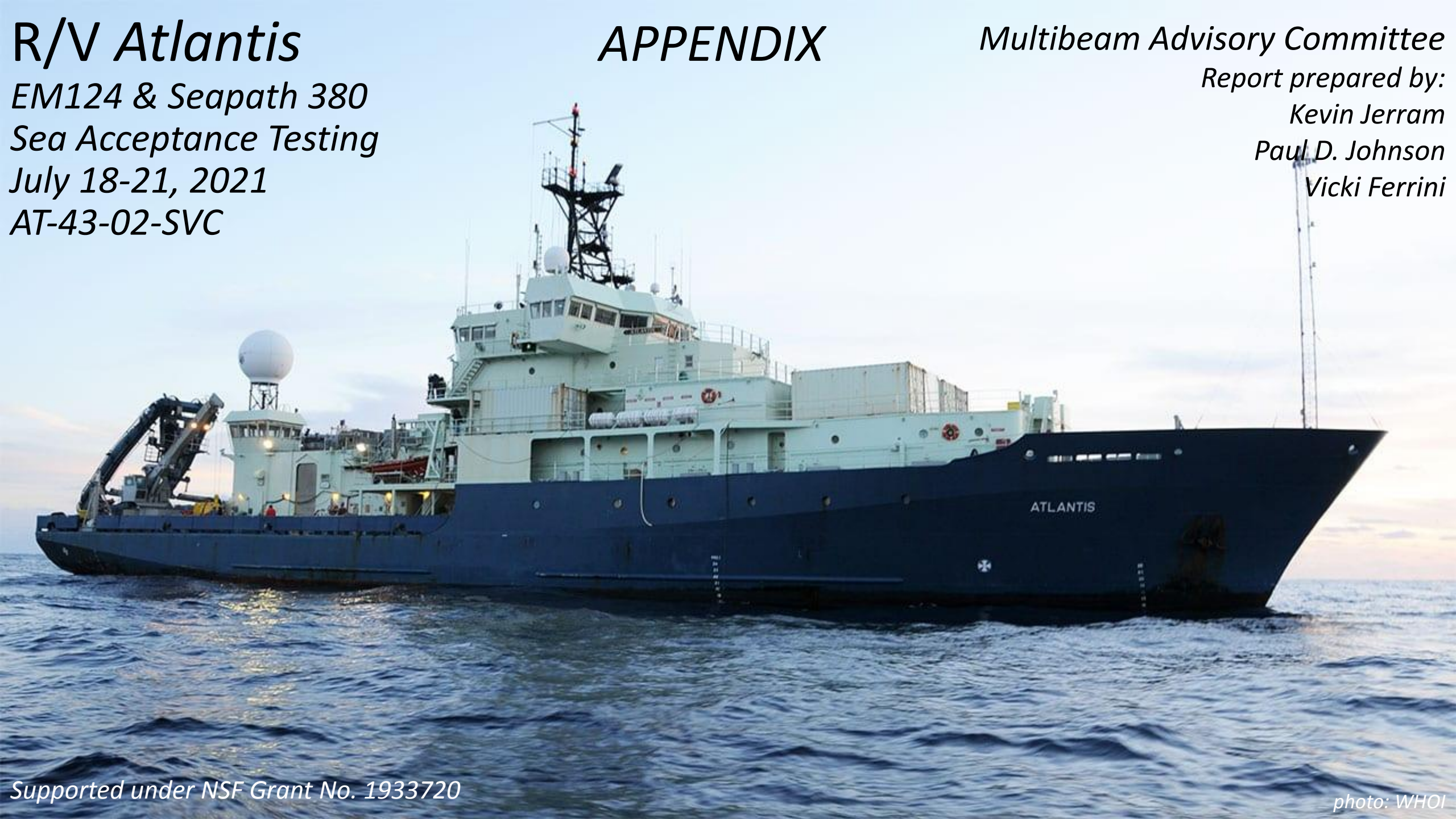
R/V *Atlantis*

EM124 & Seapath 380
Sea Acceptance Testing
July 18-21, 2021
AT-43-02-SVC

APPENDIX

Multibeam Advisory Committee
Report prepared by:
Kevin Jerram
Paul D. Johnson
Vicki Ferrini



Supported under NSF Grant No. 1933720

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Appendix 1: Seapath 380 Configuration

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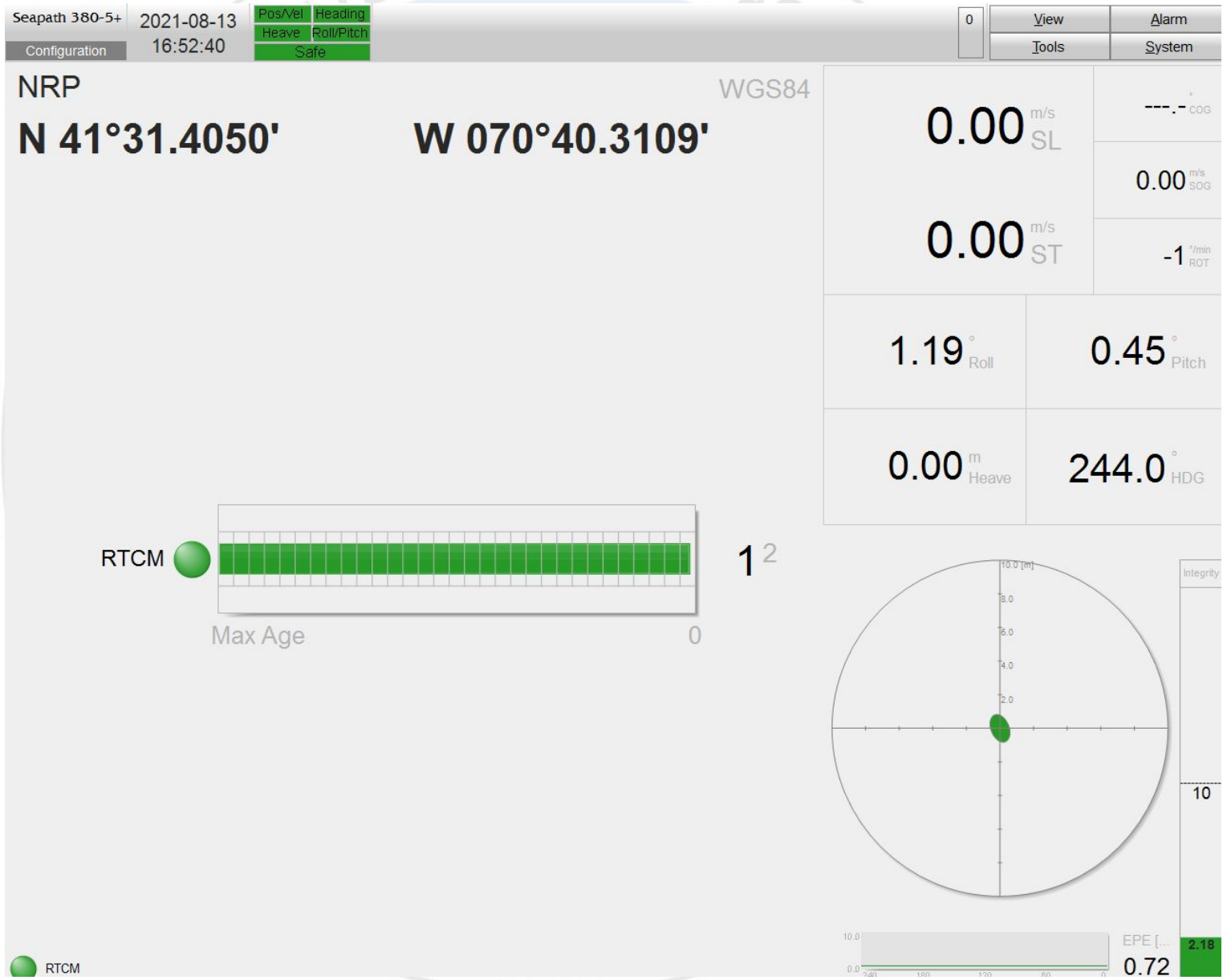

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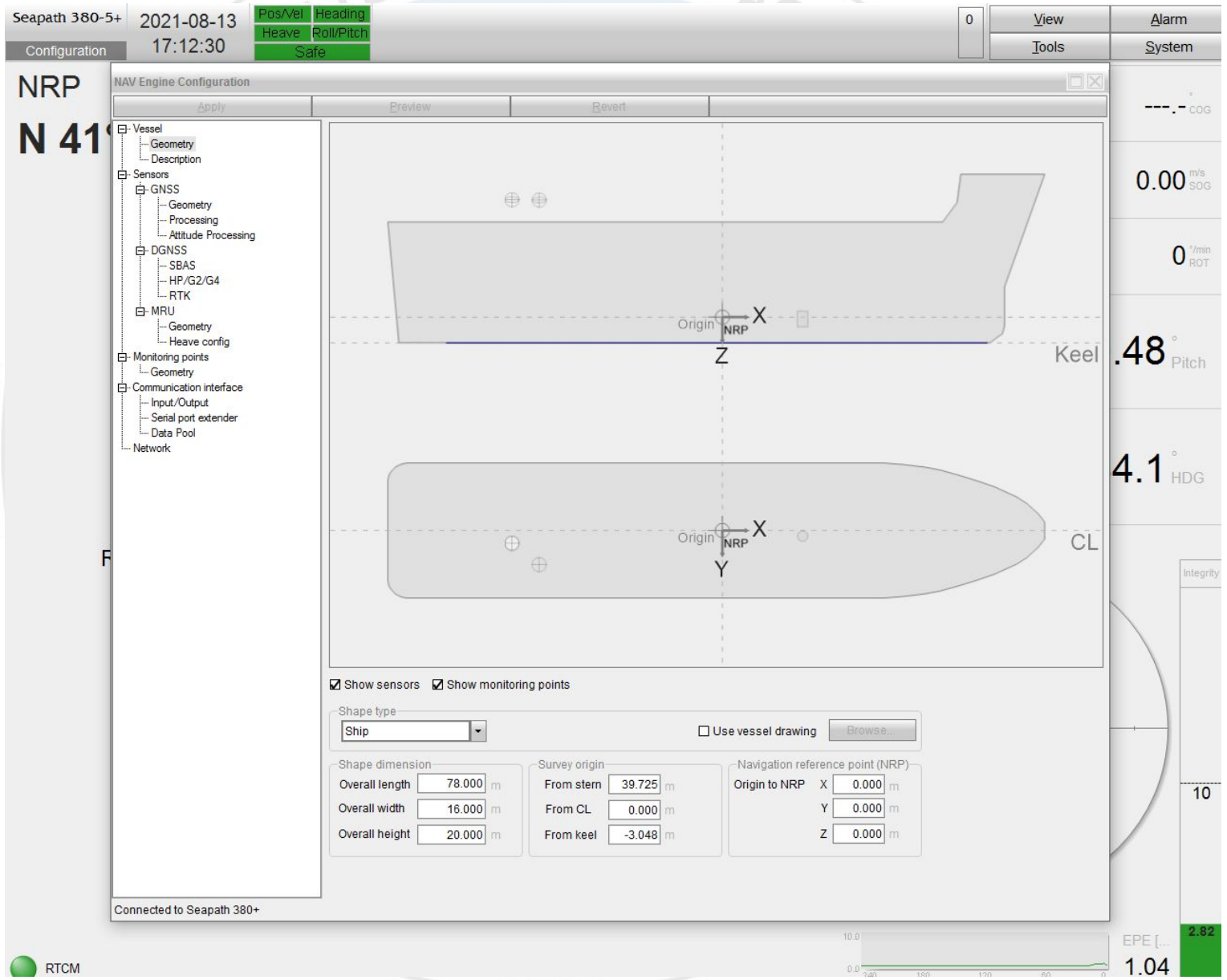

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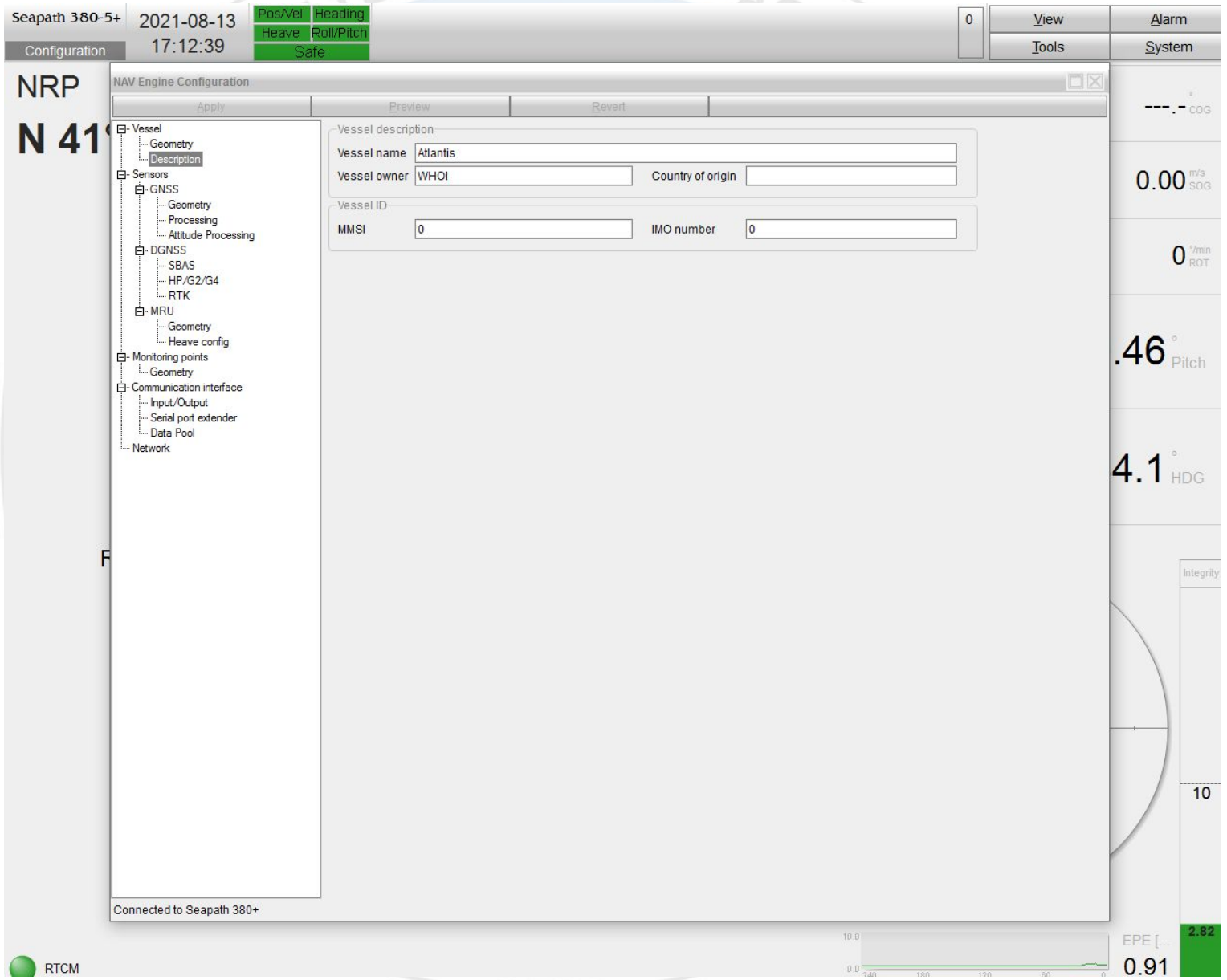

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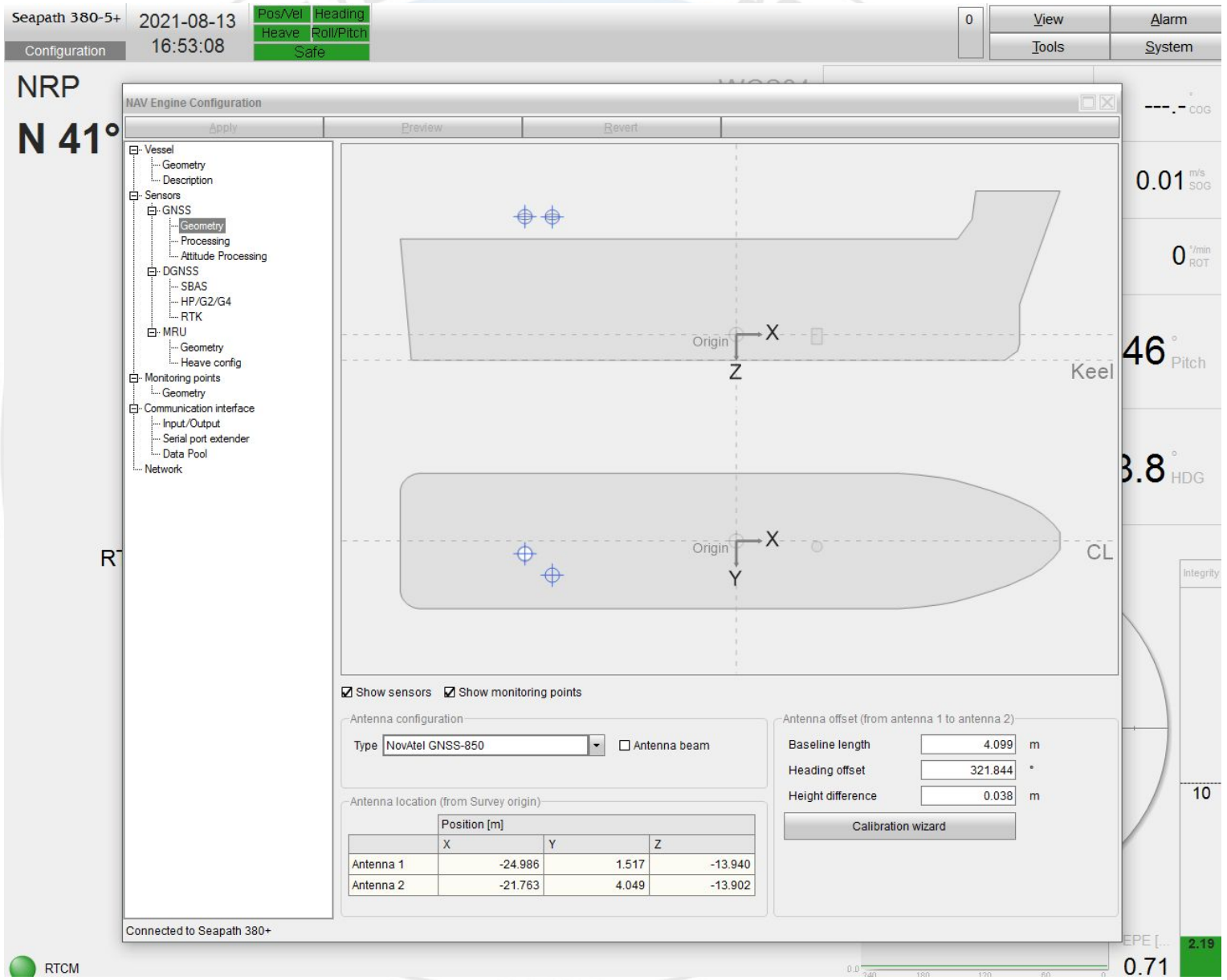

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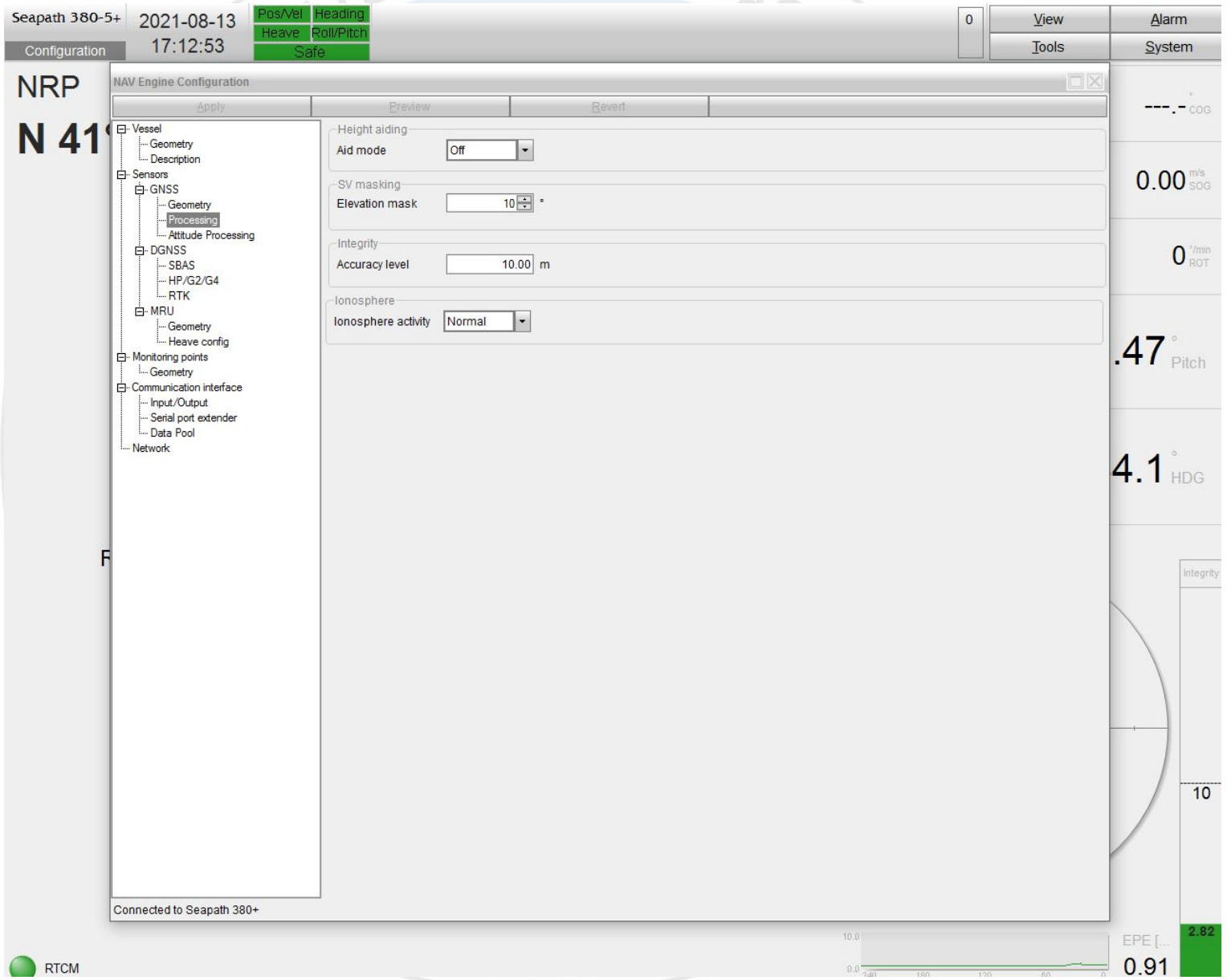

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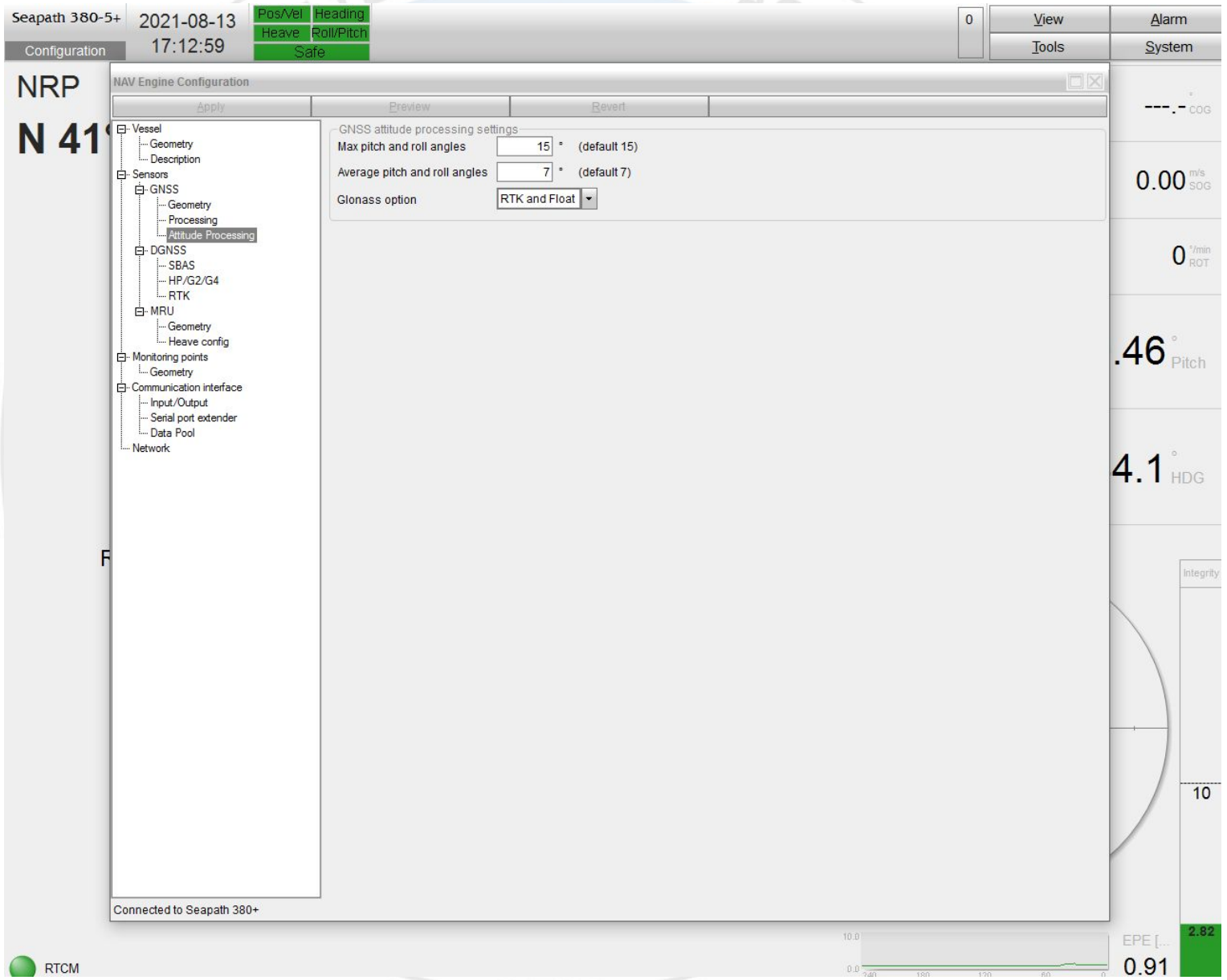

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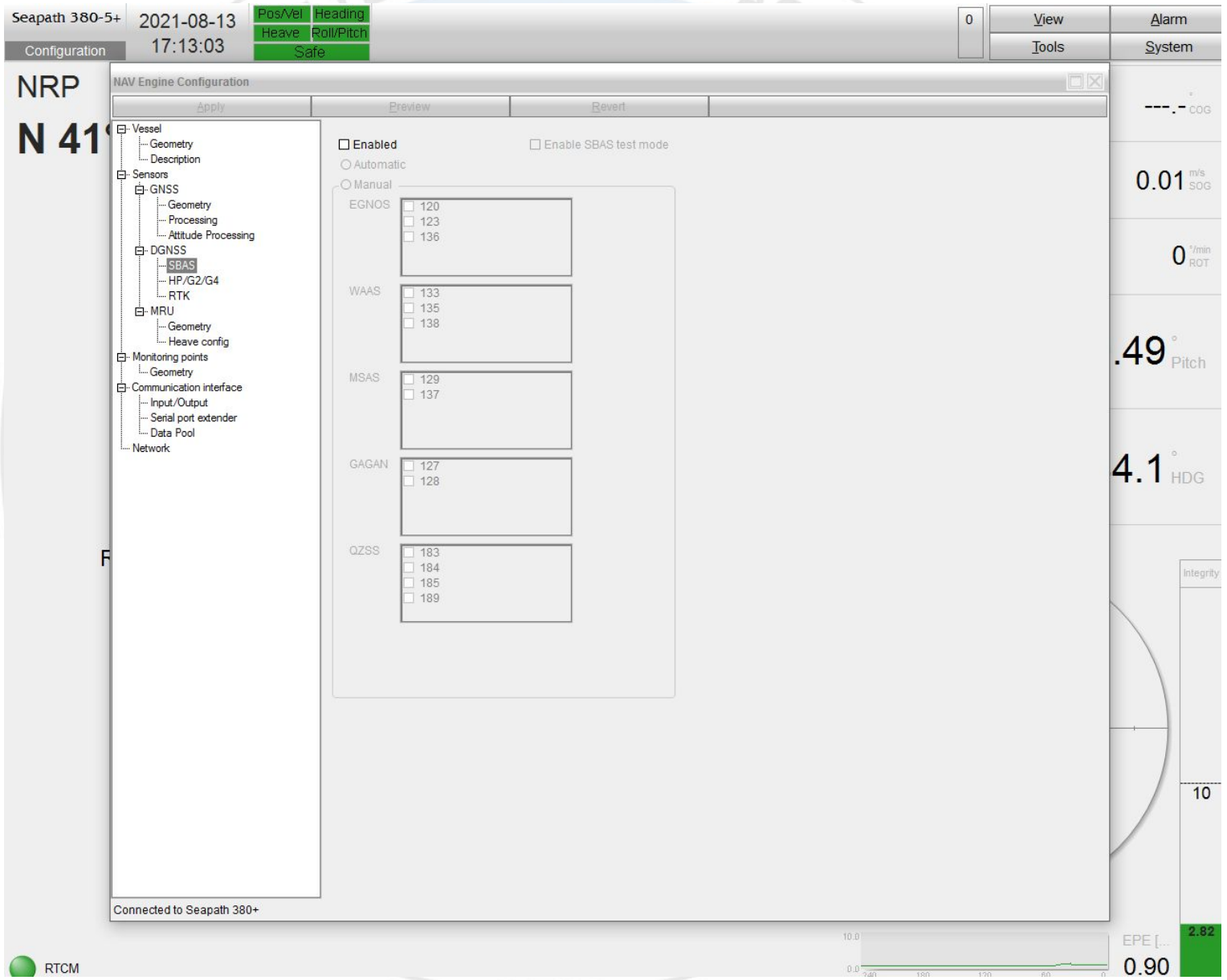

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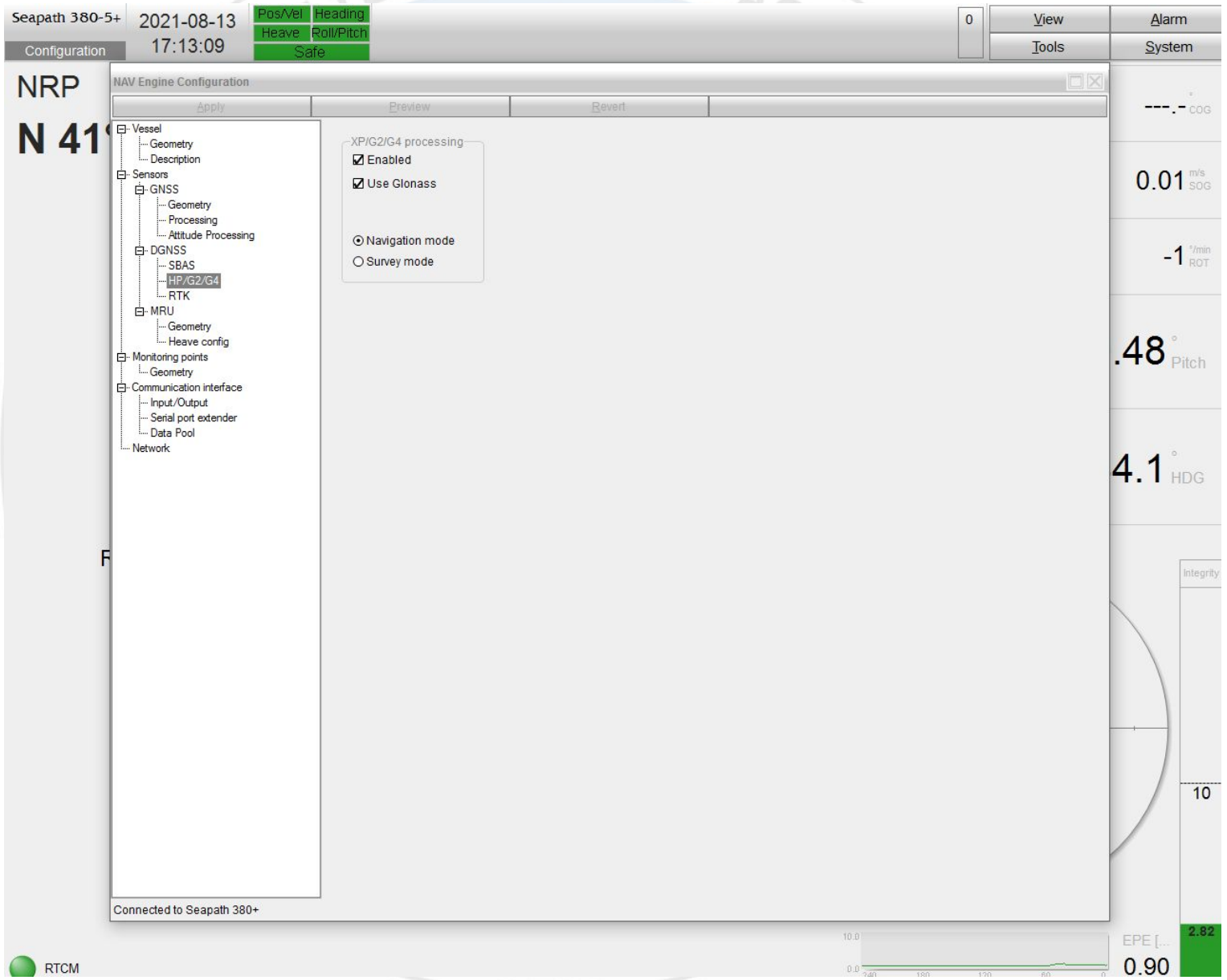

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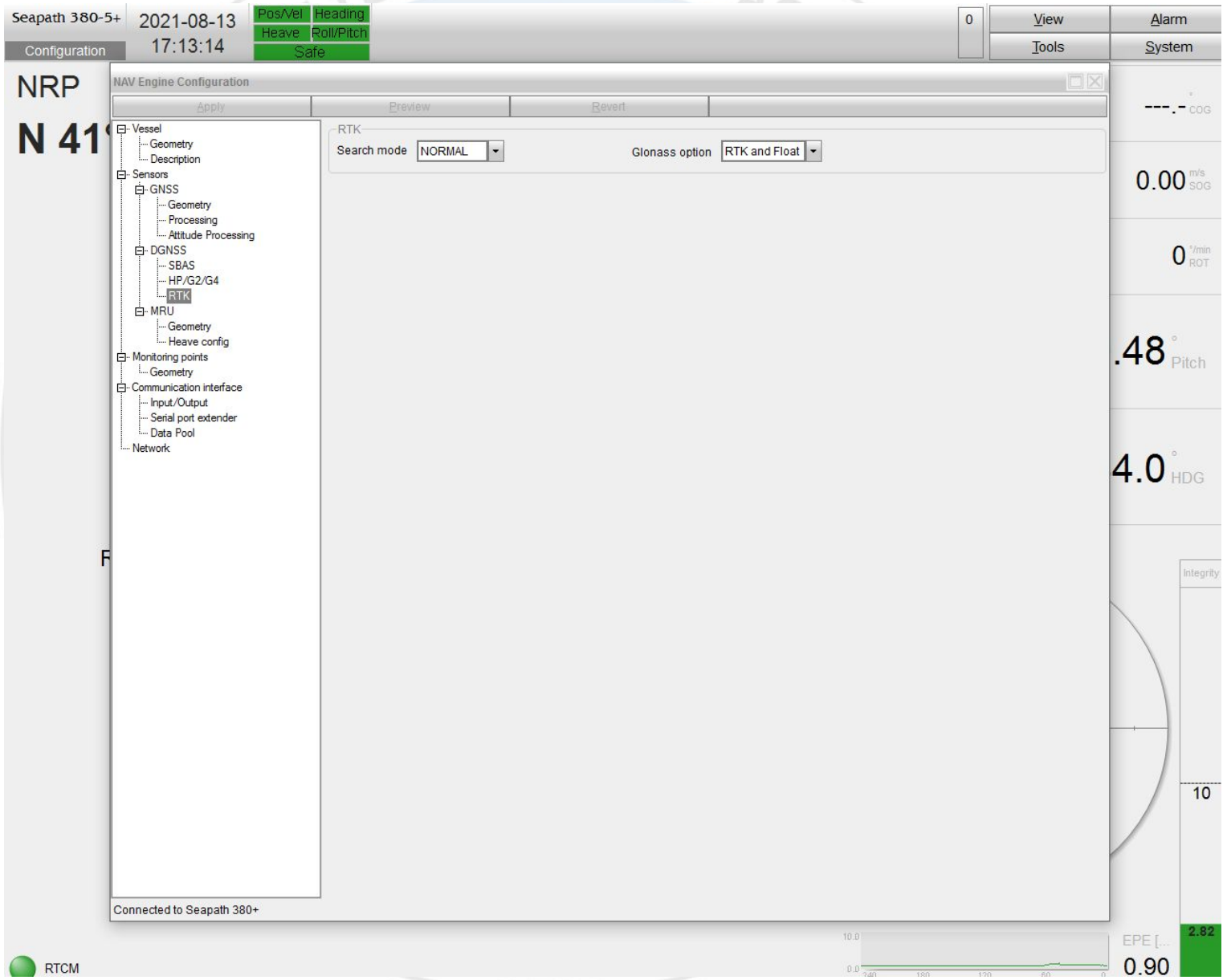

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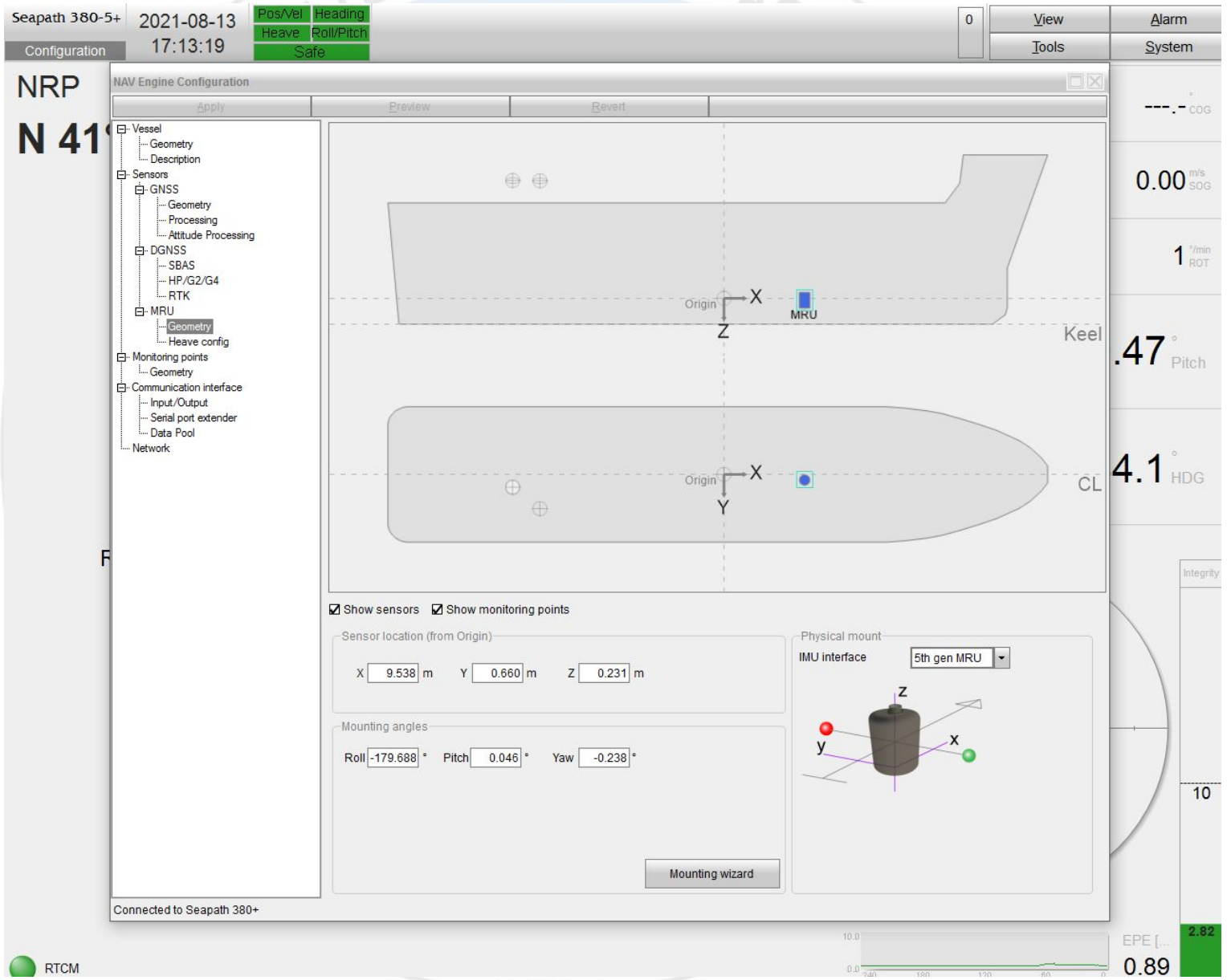

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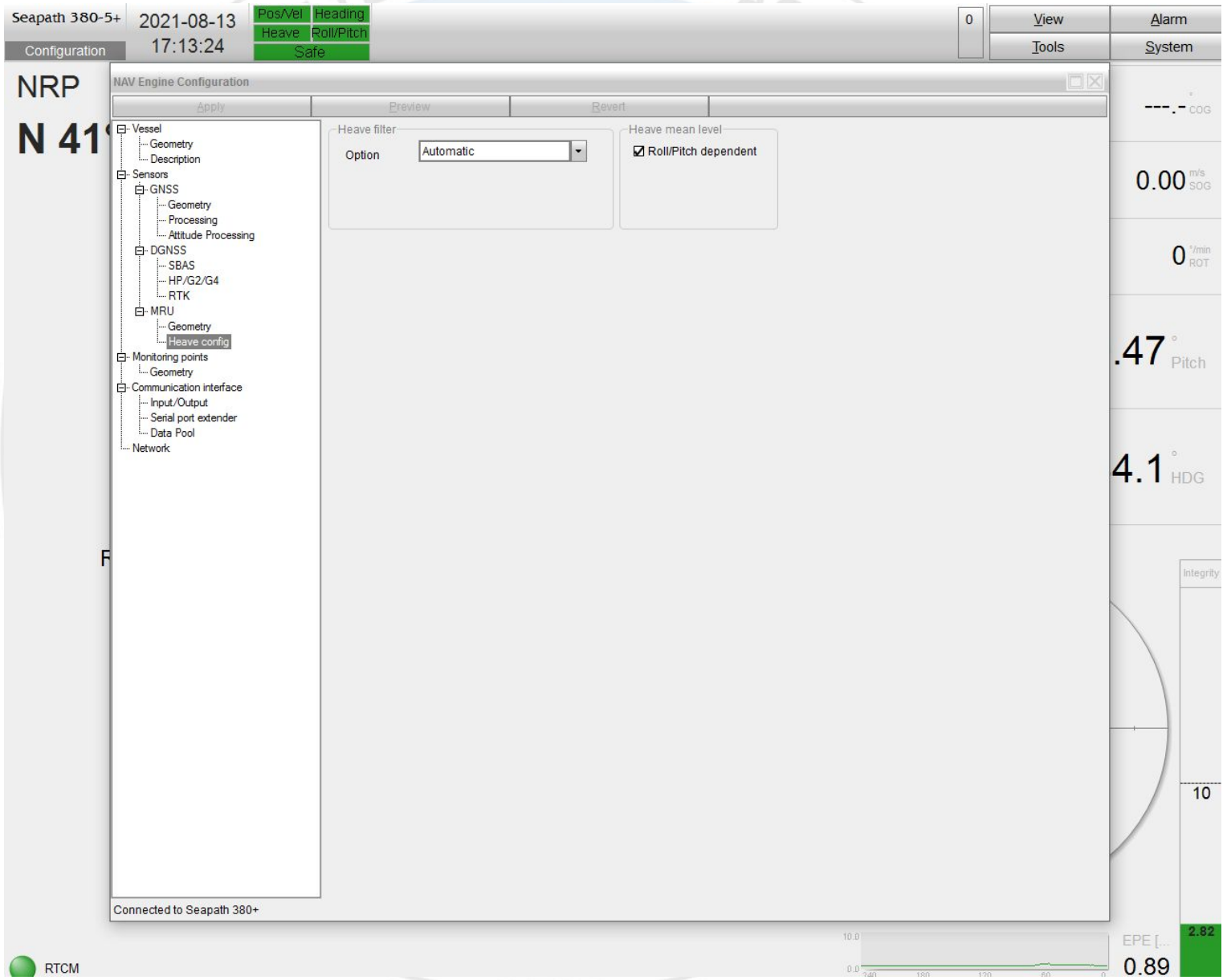

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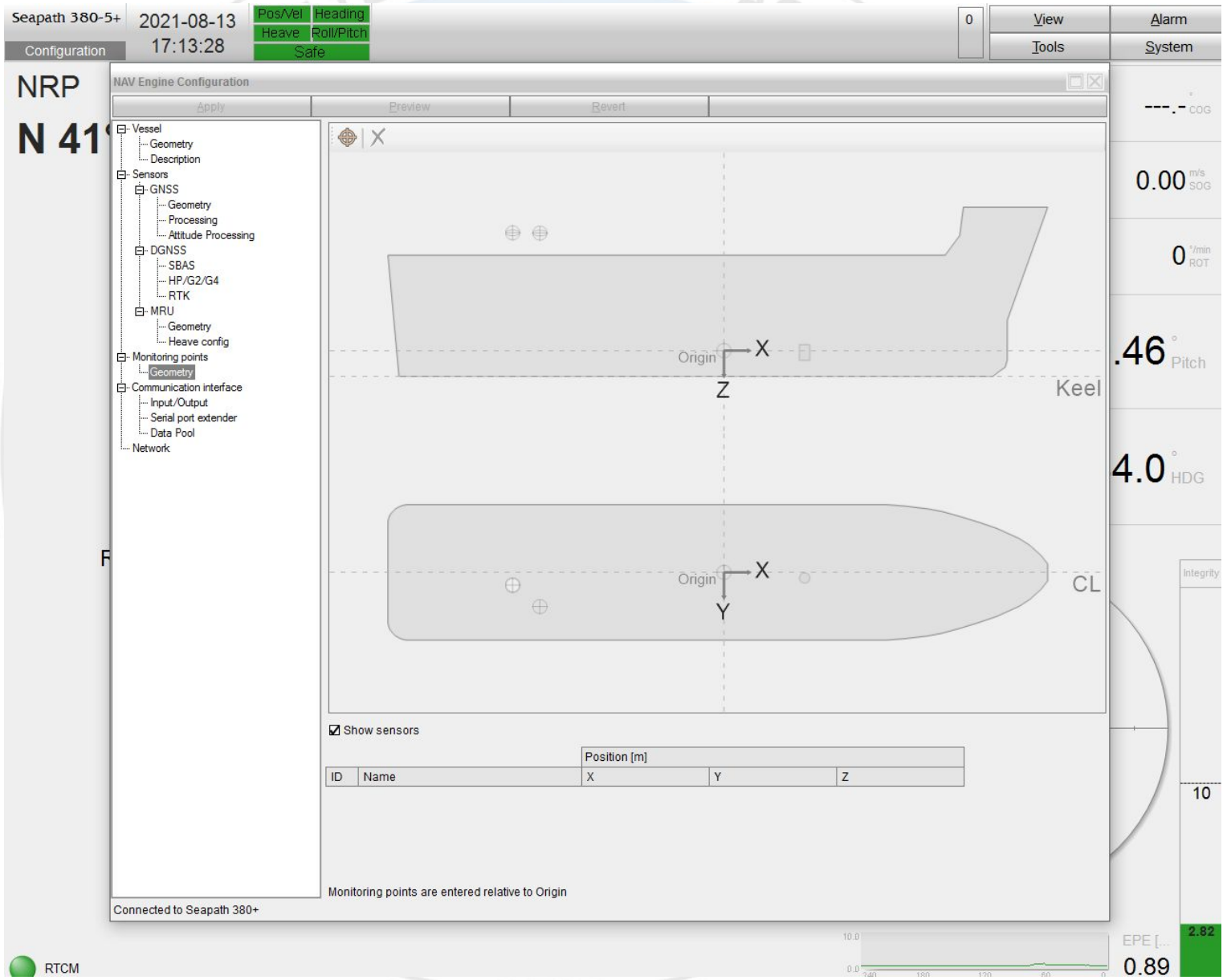

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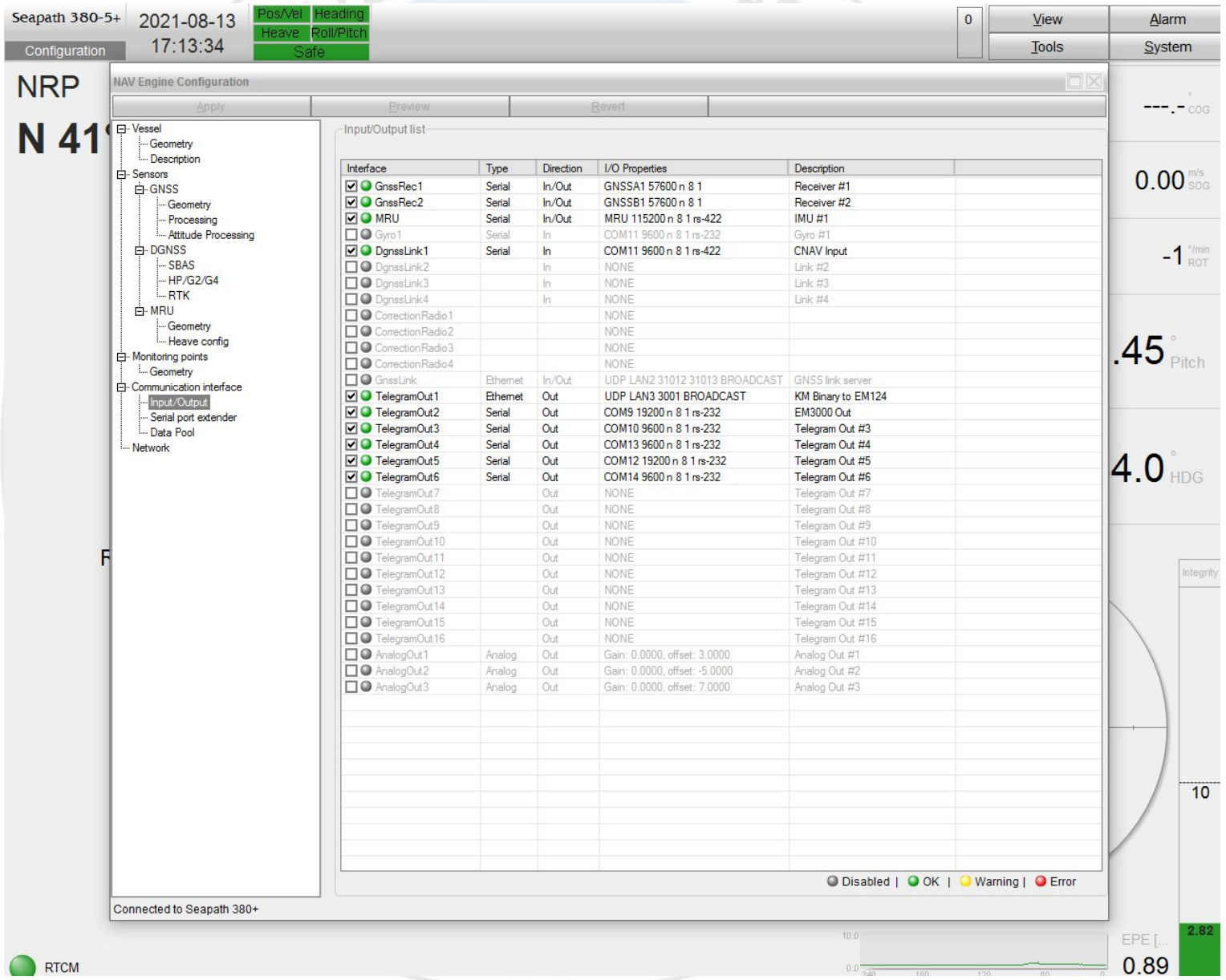

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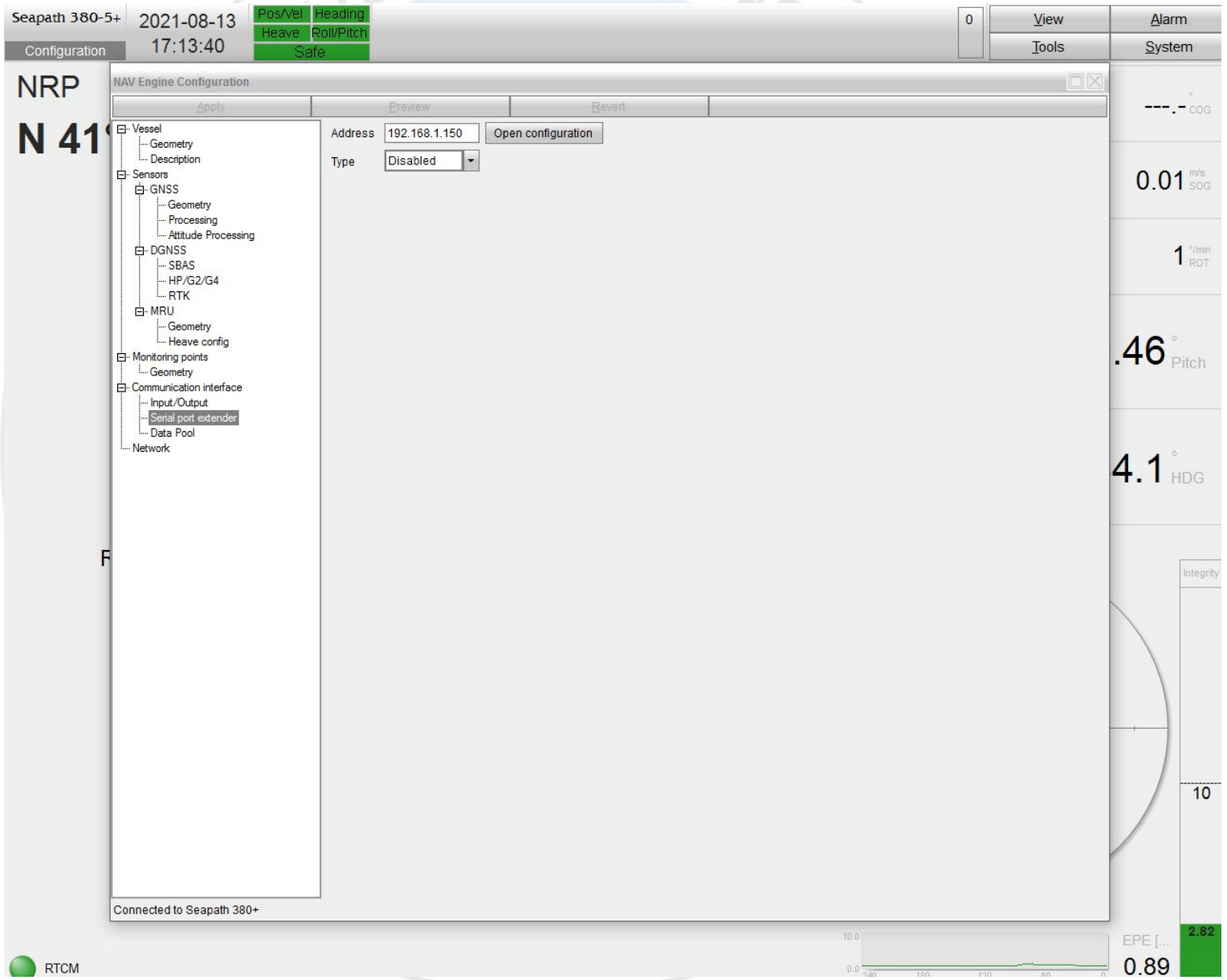

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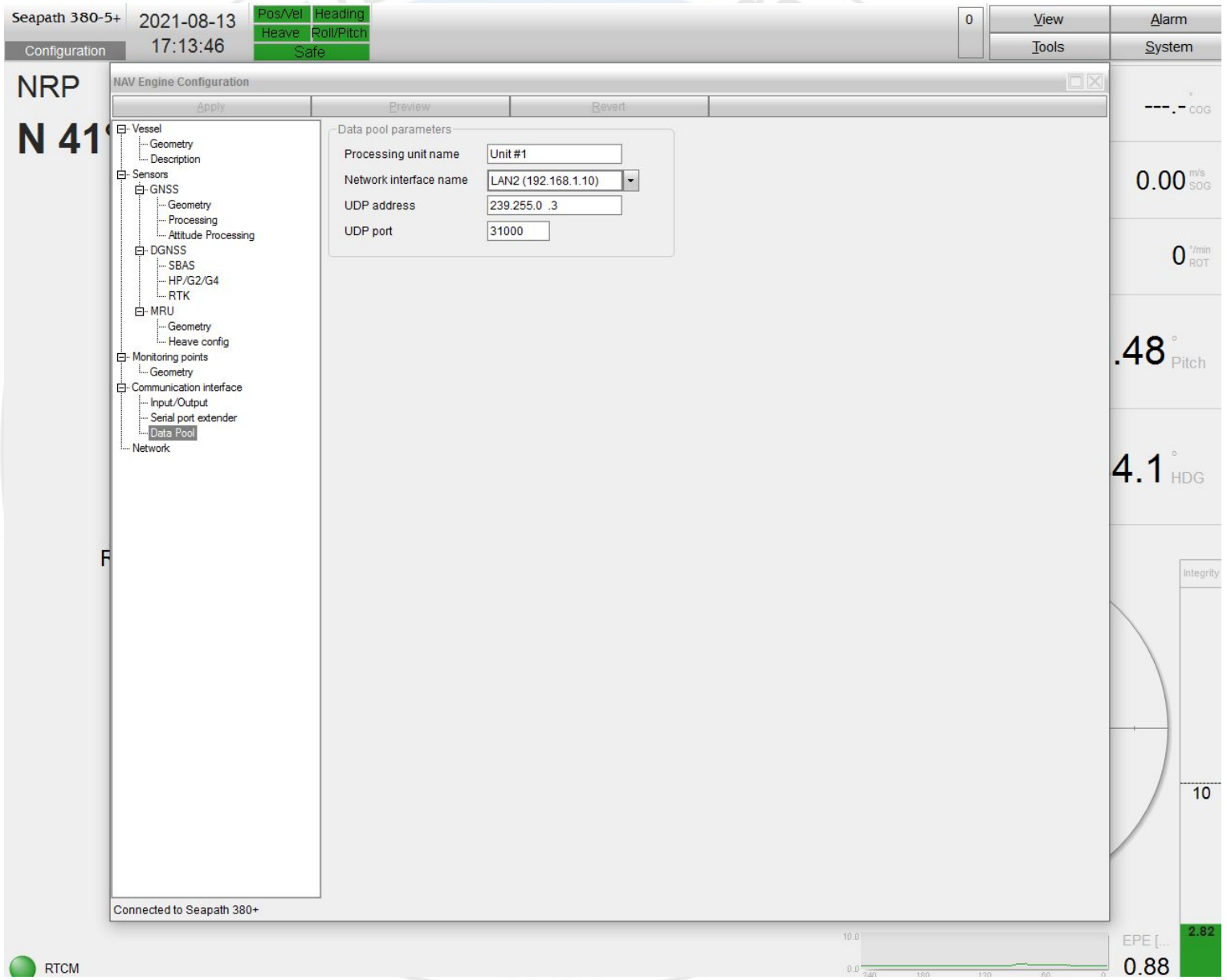

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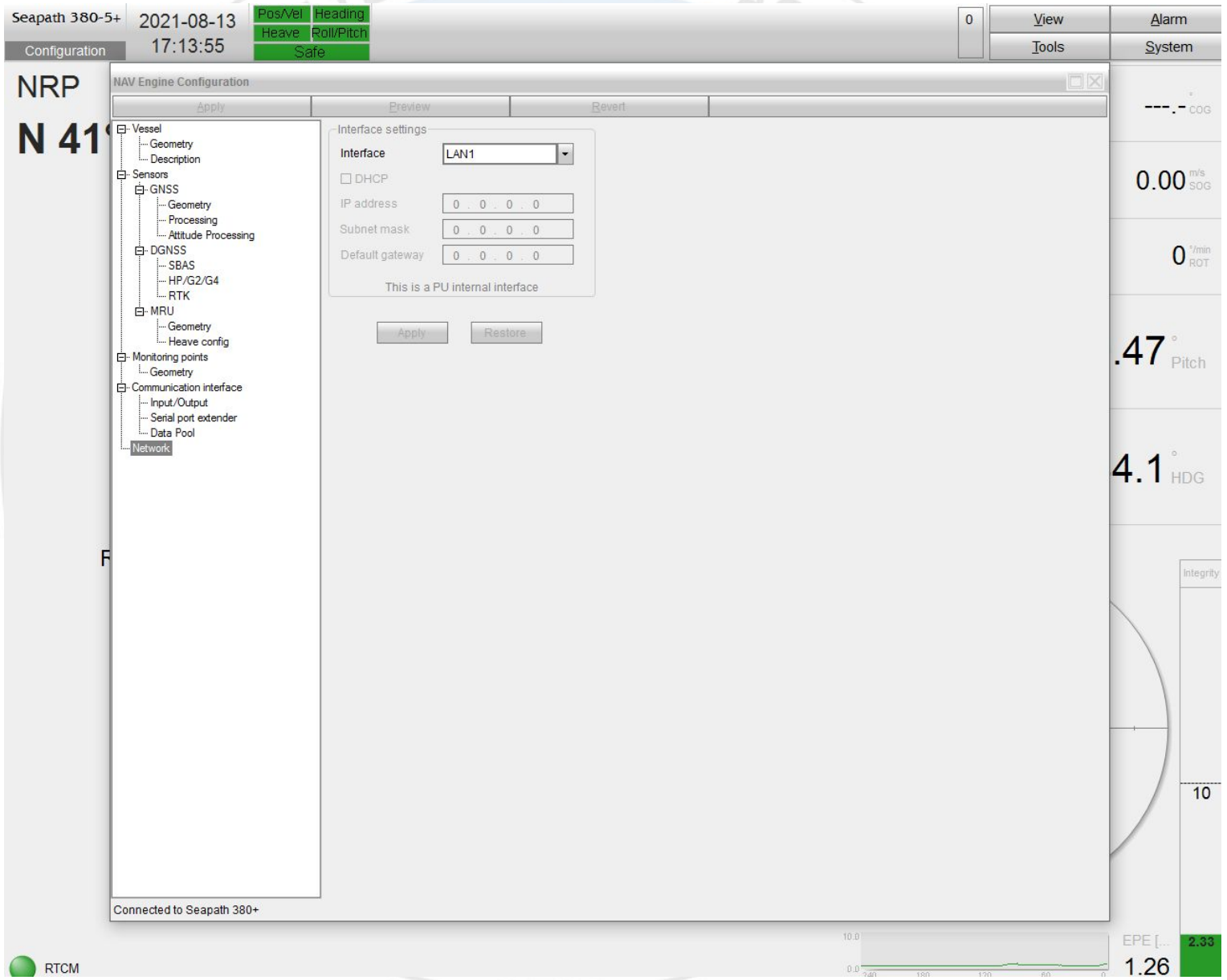

Appendix 2: EM124 Configuration

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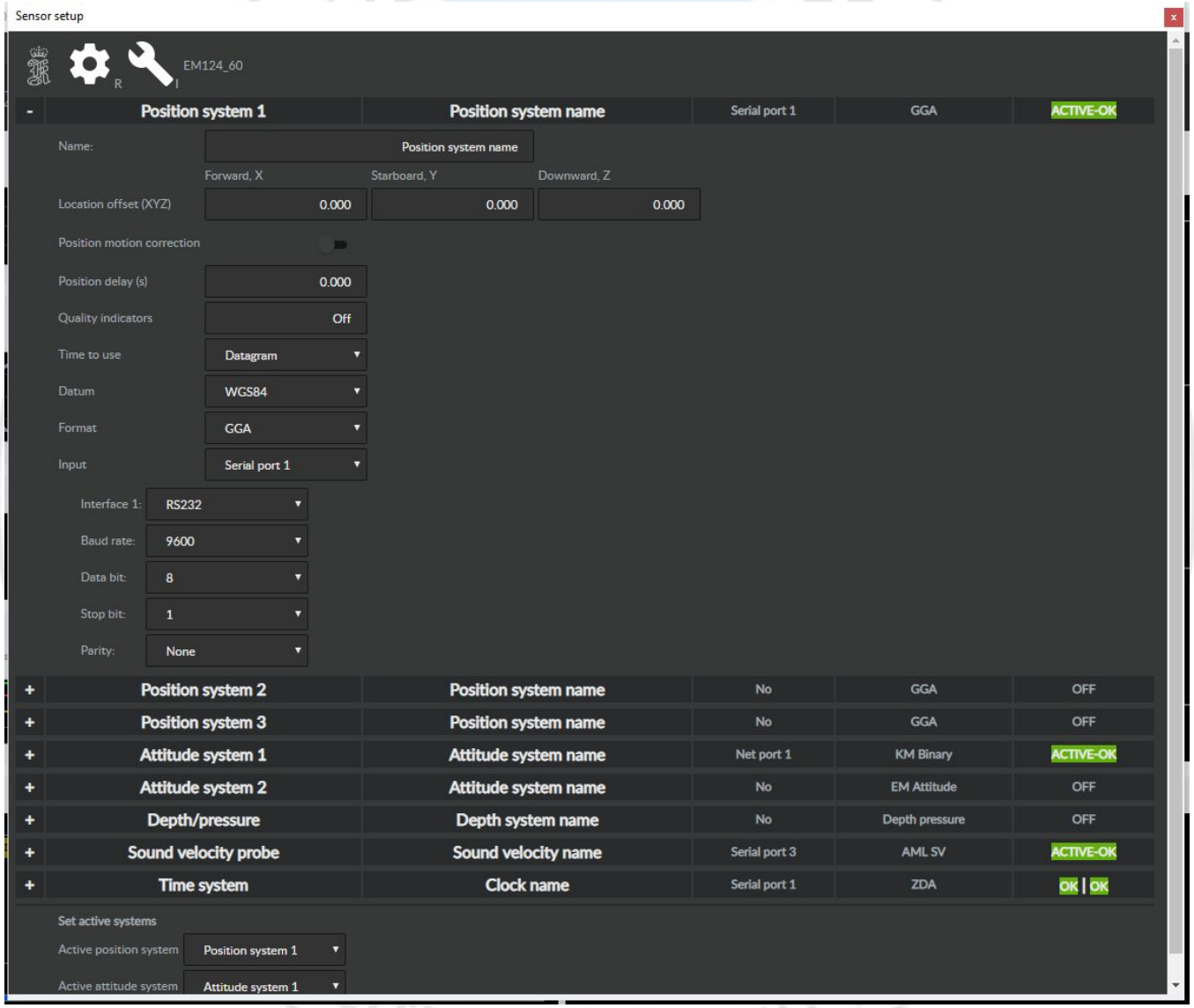

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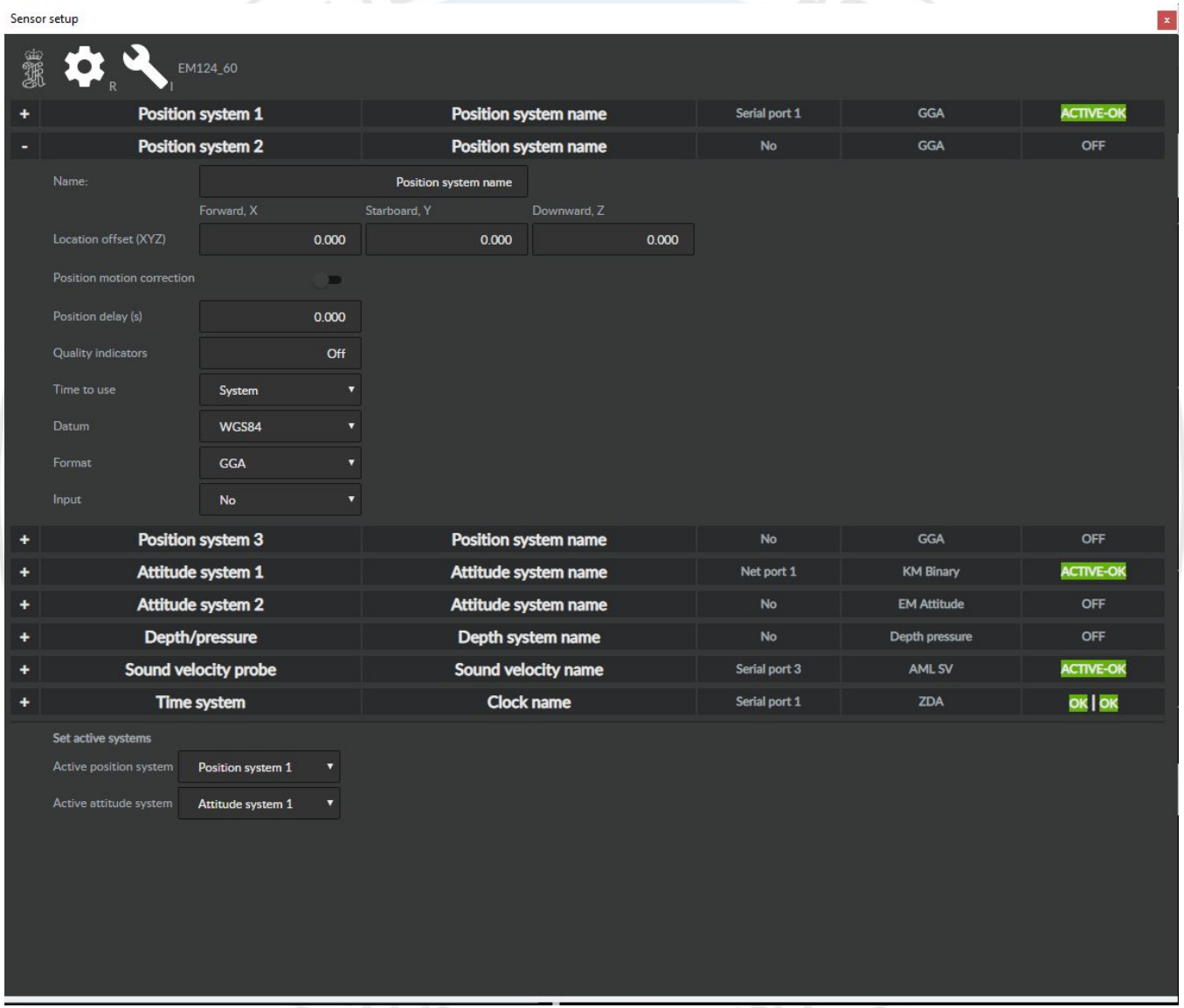

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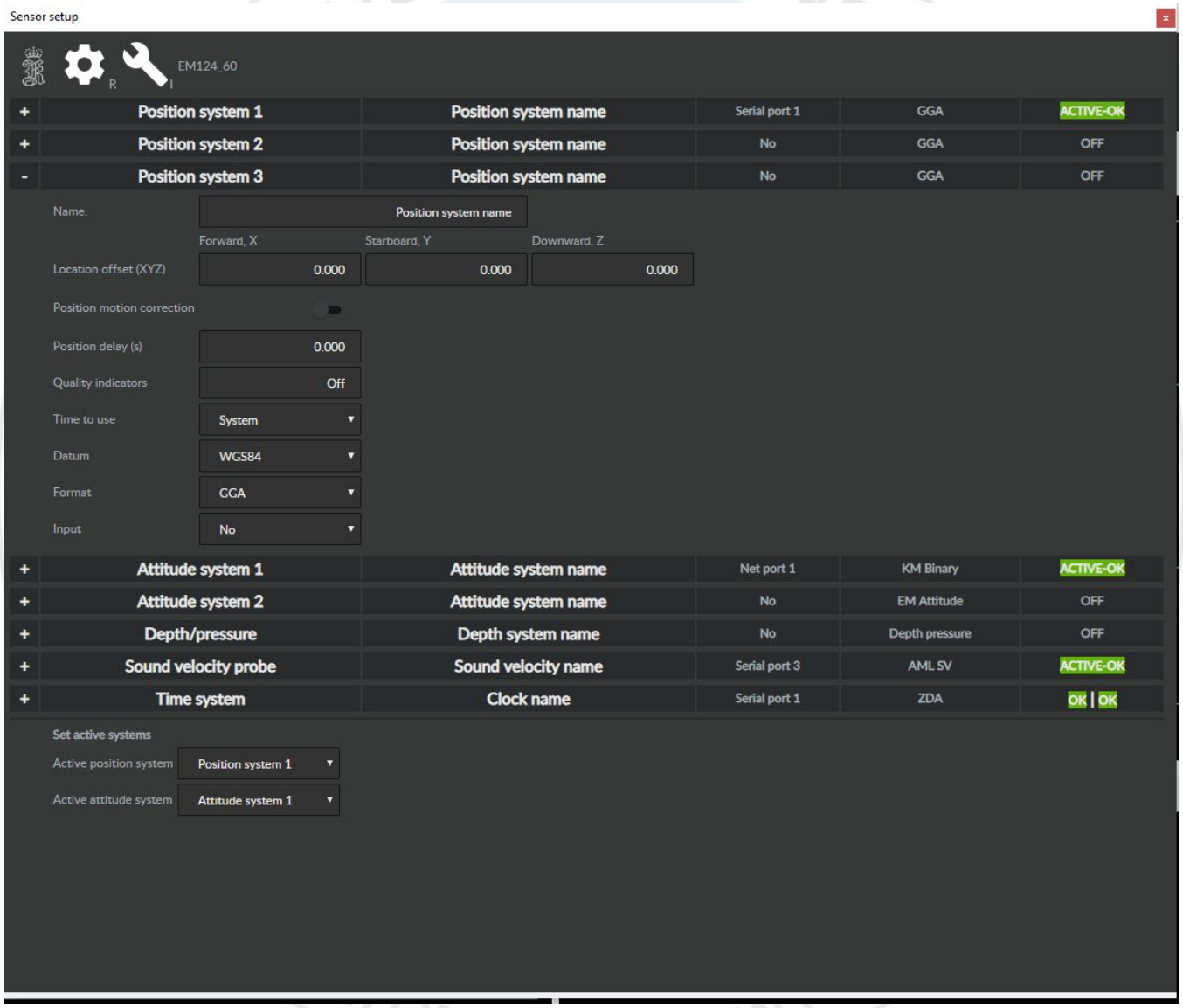

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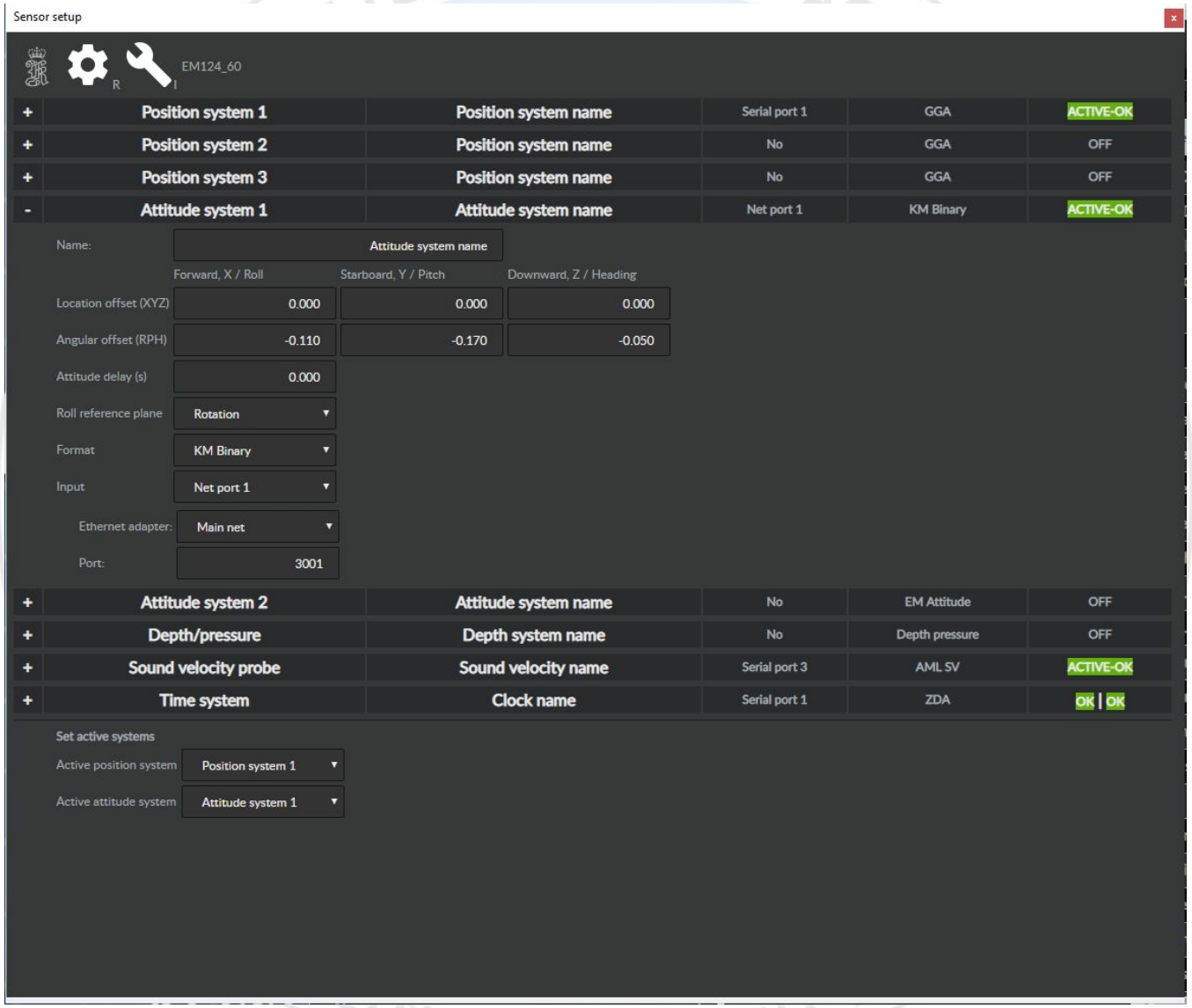

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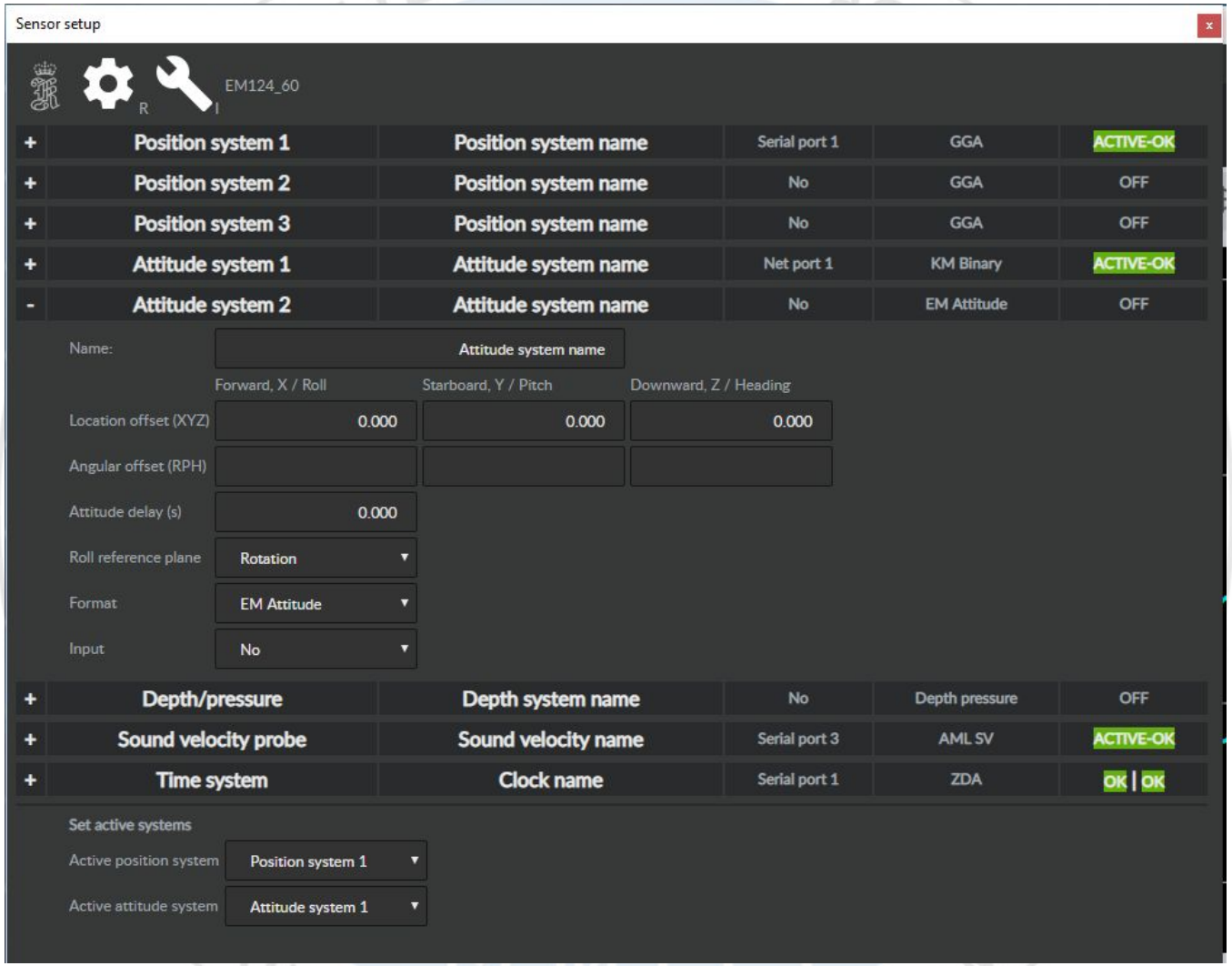

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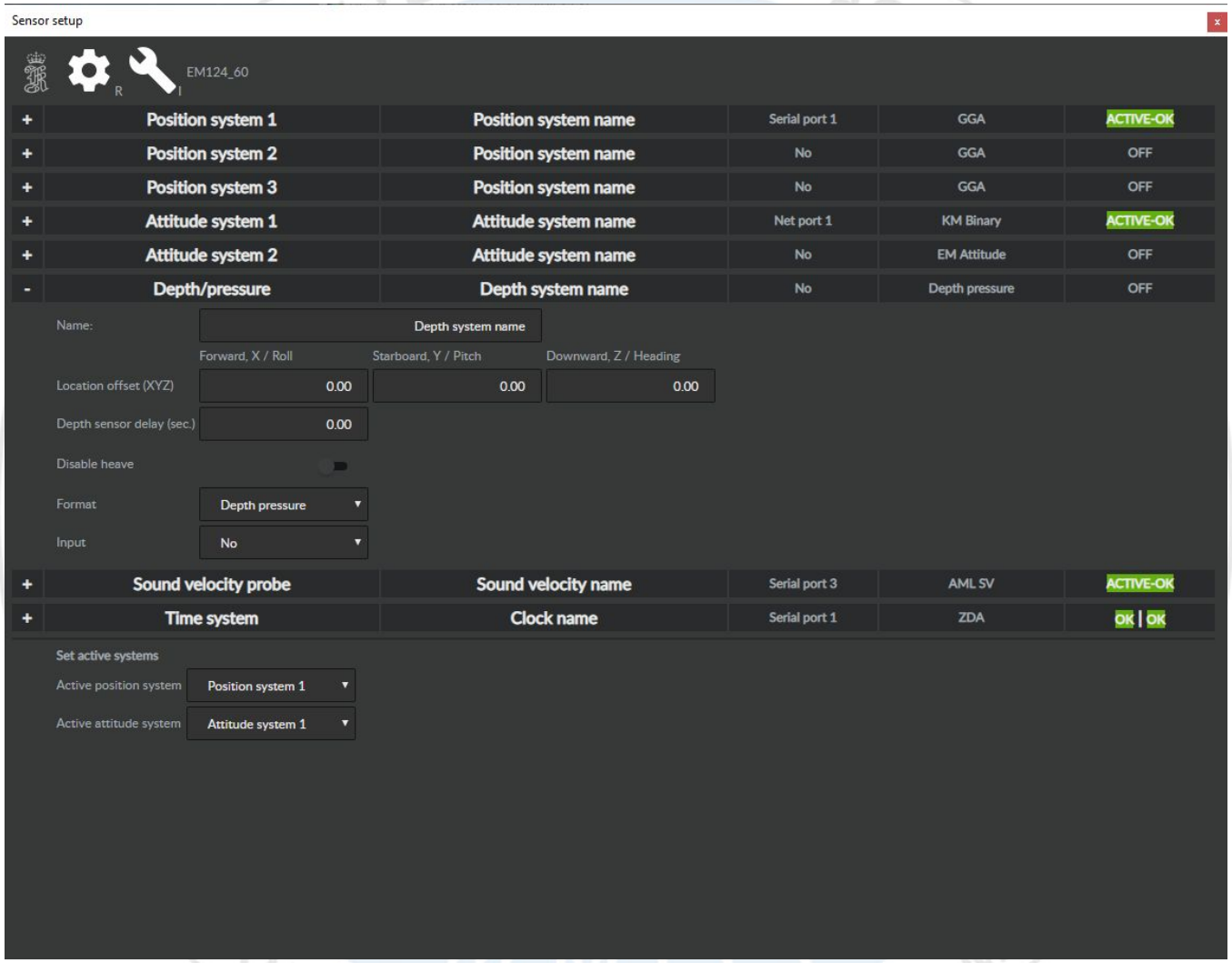

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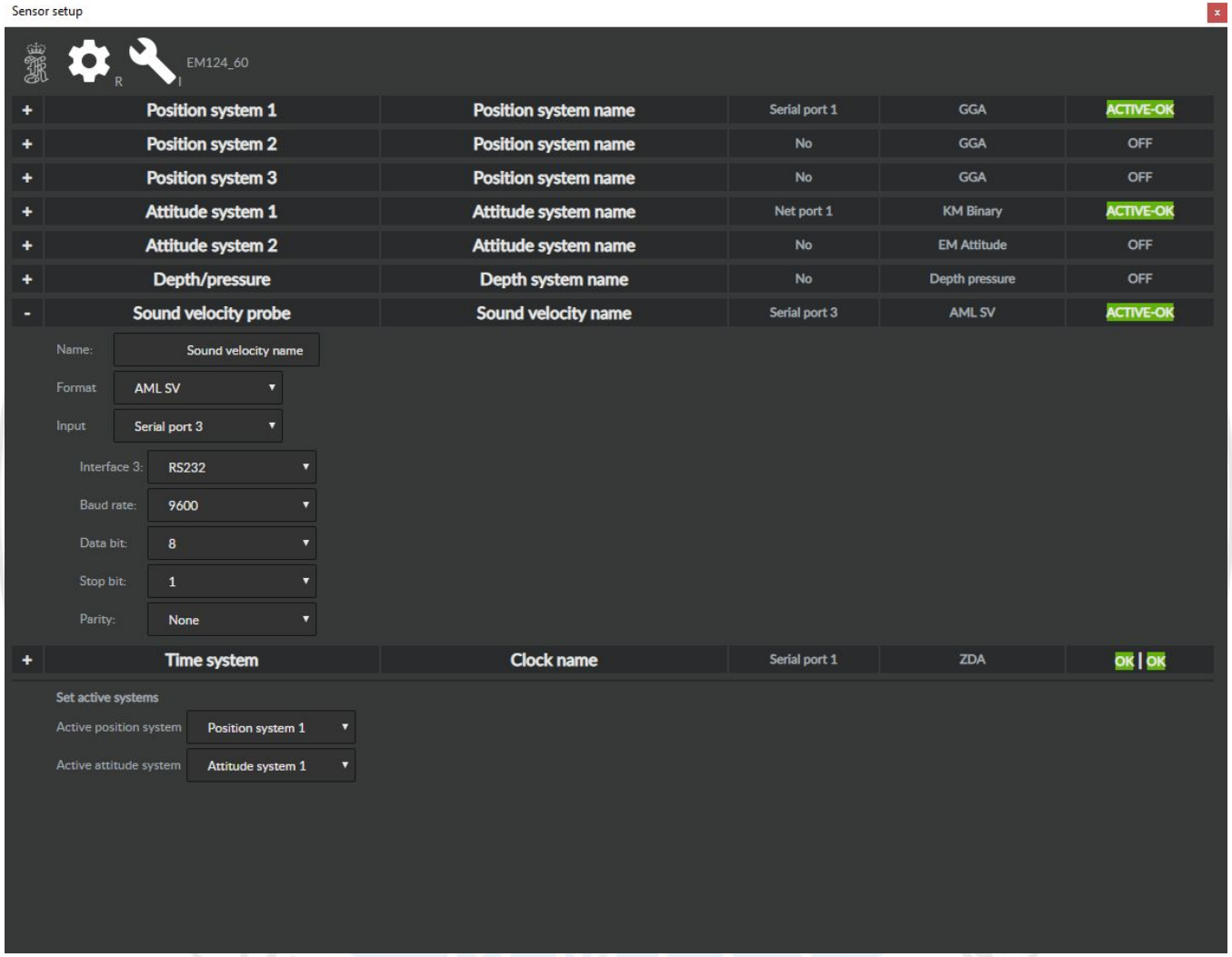

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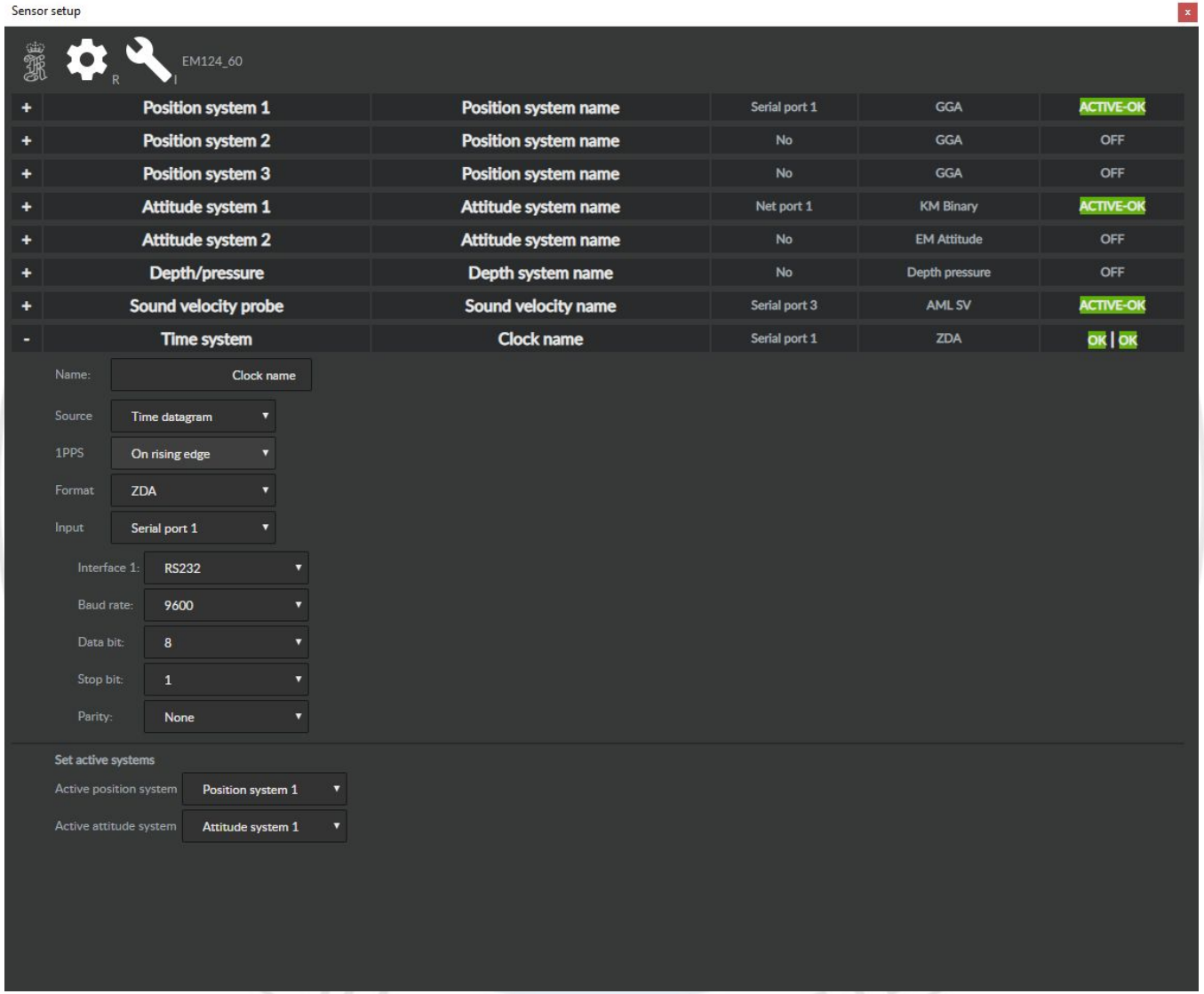

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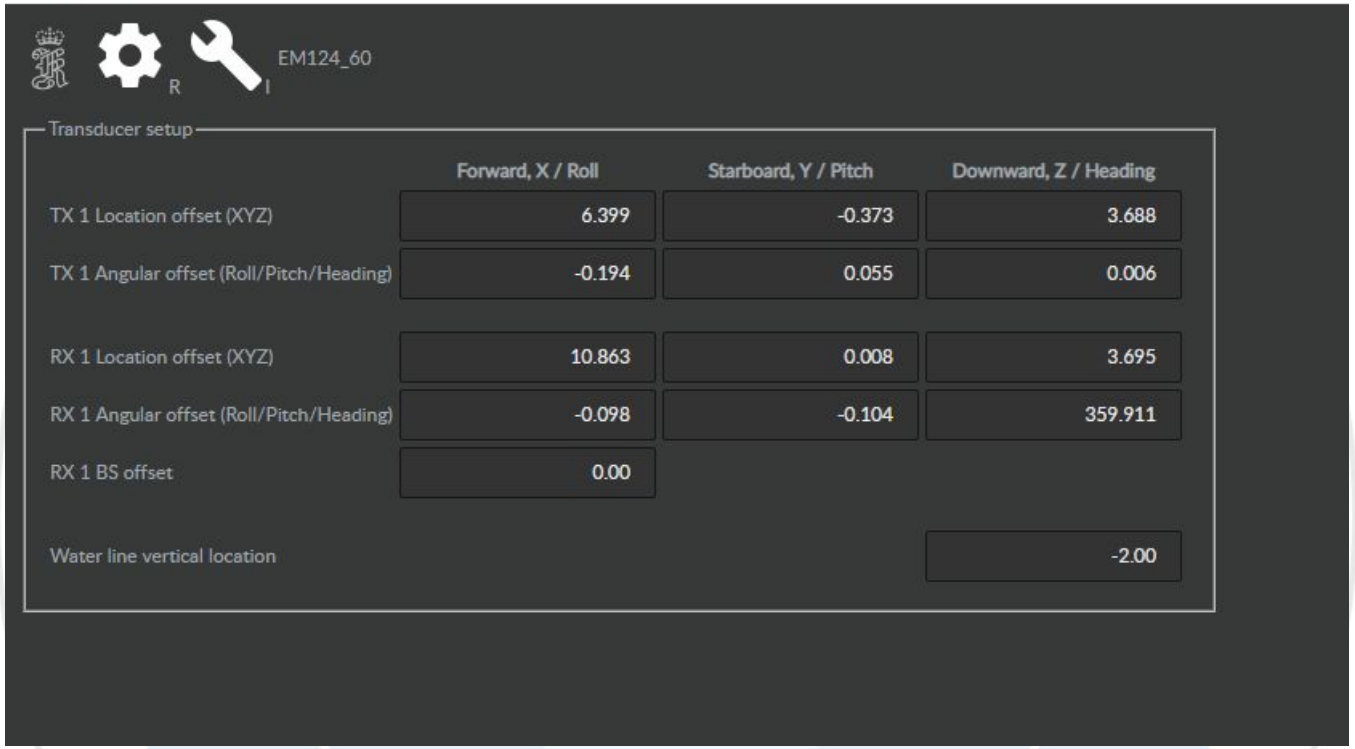
Transducer setup



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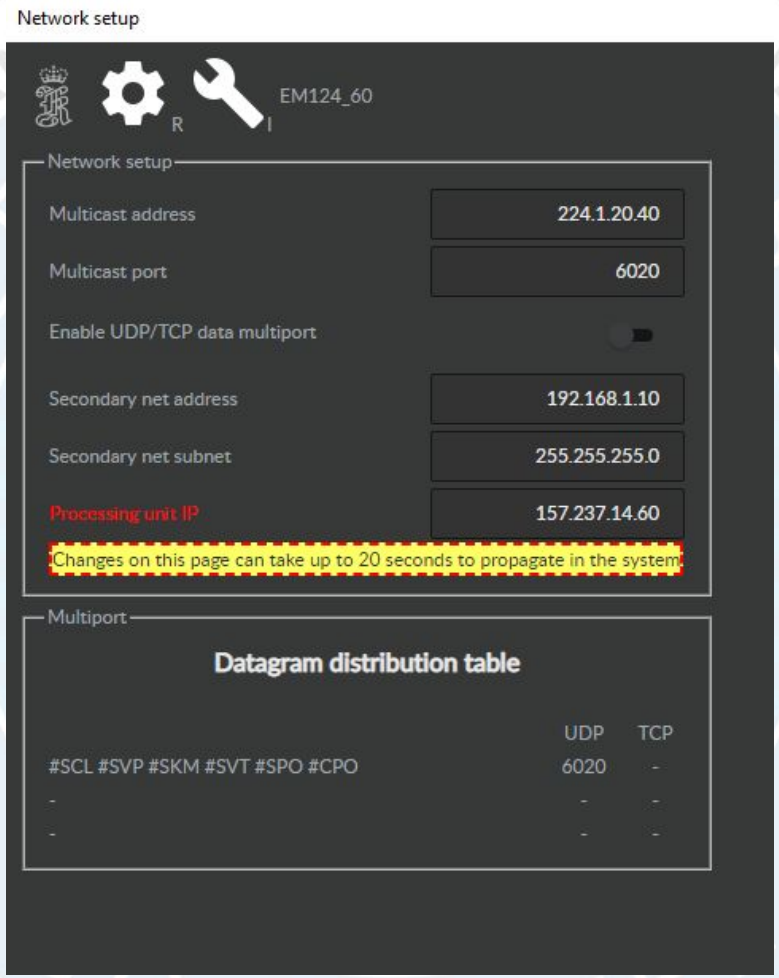

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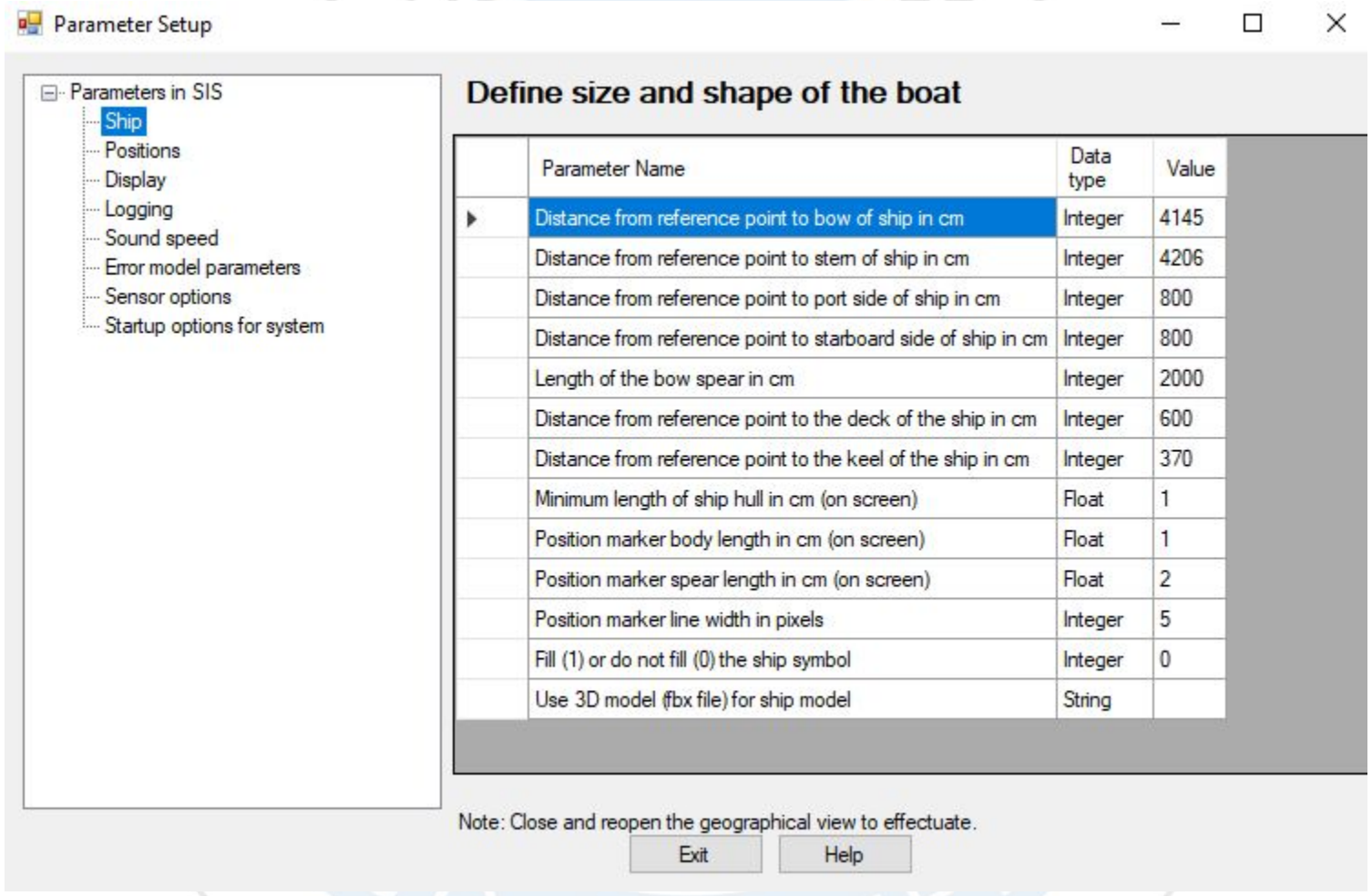

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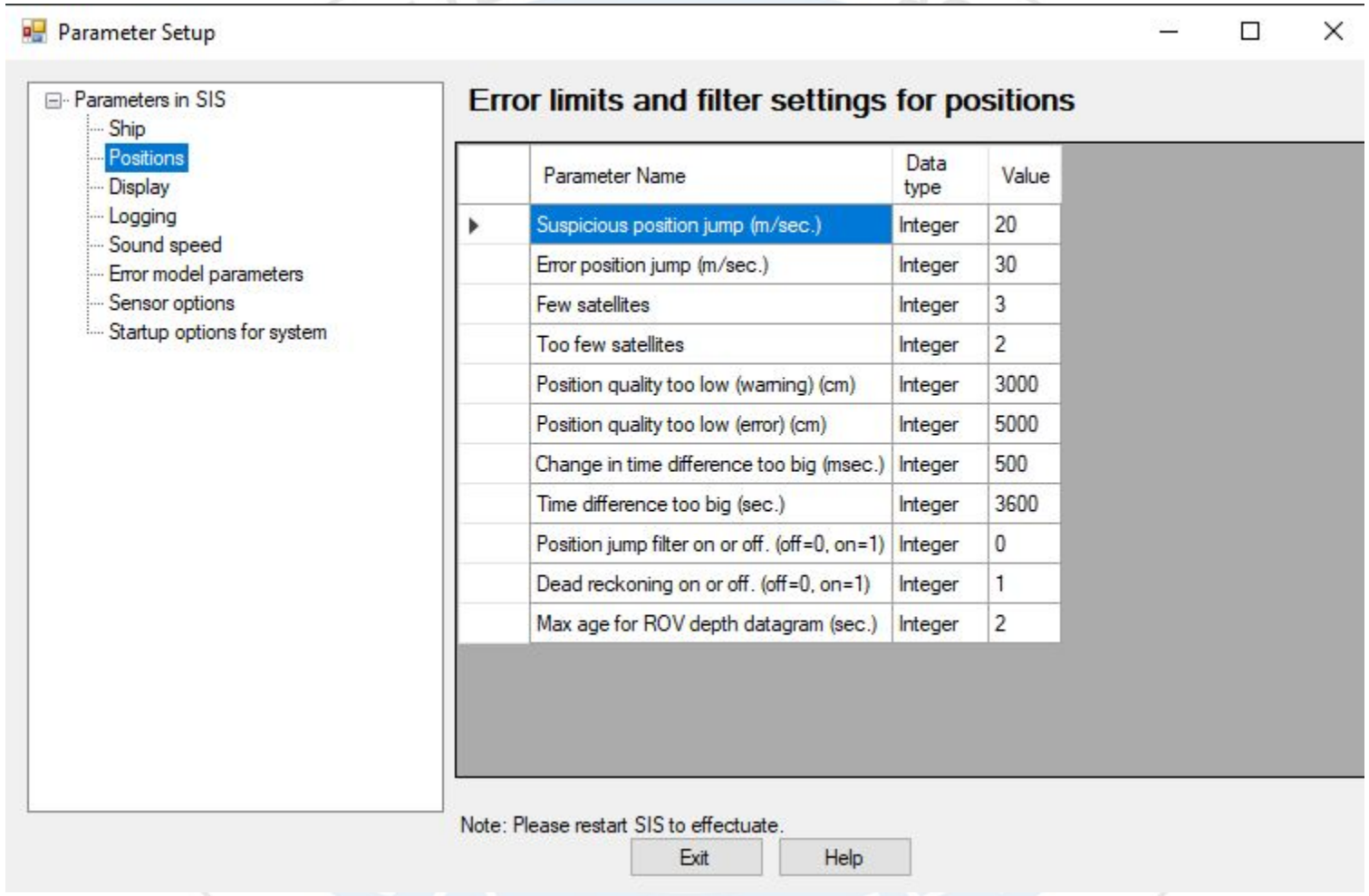

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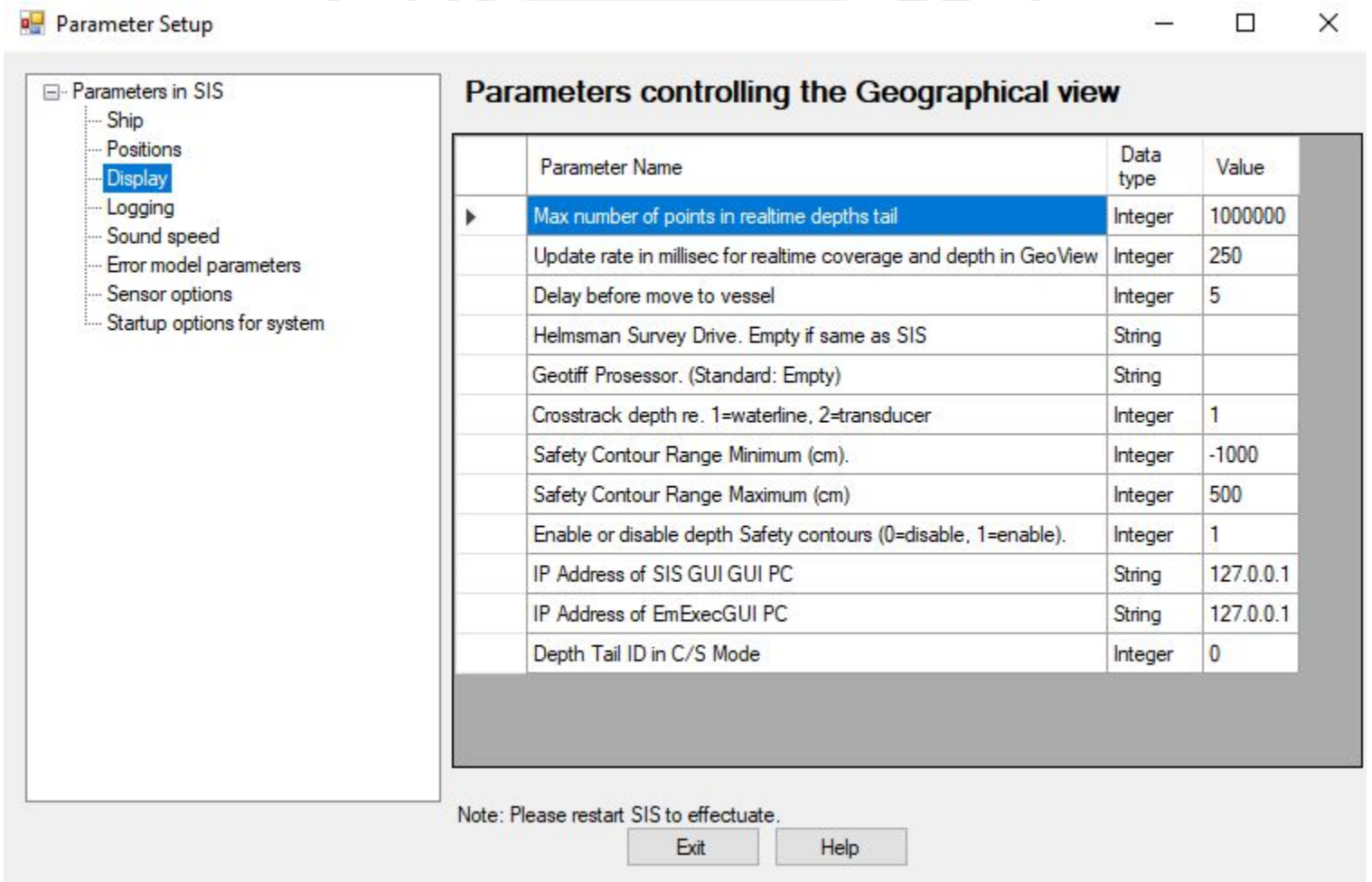

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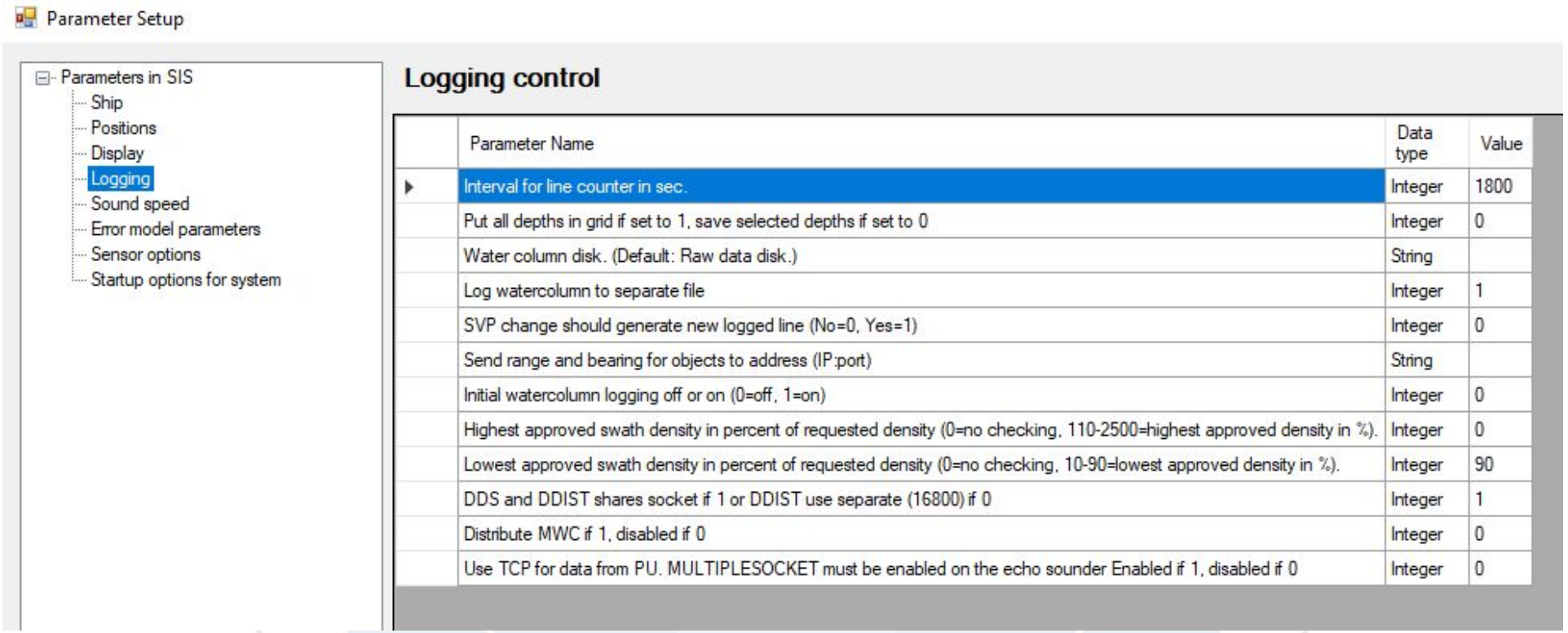

Parameter Name	Data type	Value
Interval for line counter in sec.	Integer	1800
Put all depths in grid if set to 1, save selected depths if set to 0	Integer	0
Water column disk. (Default: Raw data disk.)	String	
Log watercolumn to separate file	Integer	1
SVP change should generate new logged line (No=0, Yes=1)	Integer	0
Send range and bearing for objects to address (IP:port)	String	
Initial watercolumn logging off or on (0=off, 1=on)	Integer	0
Highest approved swath density in percent of requested density (0=no checking, 110-2500=highest approved density in %).	Integer	0
Lowest approved swath density in percent of requested density (0=no checking, 10-90=lowest approved density in %).	Integer	90
DDS and DDIST shares socket if 1 or DDIST use separate (16800) if 0	Integer	1
Distribute MWC if 1, disabled if 0	Integer	0
Use TCP for data from PU. MULTIPLESOCKET must be enabled on the echo sounder Enabled if 1, disabled if 0	Integer	0

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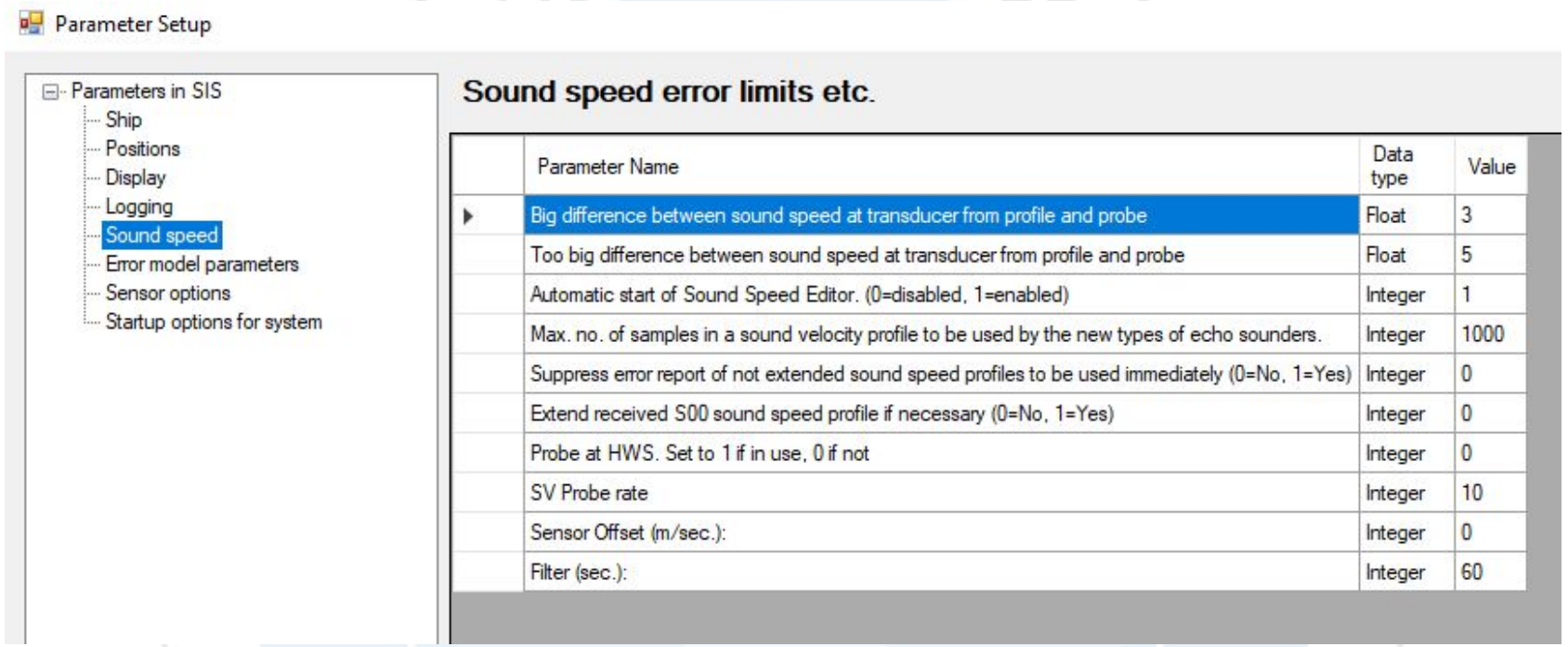

Parameter Name	Data type	Value
Big difference between sound speed at transducer from profile and probe	Float	3
Too big difference between sound speed at transducer from profile and probe	Float	5
Automatic start of Sound Speed Editor. (0=disabled, 1=enabled)	Integer	1
Max. no. of samples in a sound velocity profile to be used by the new types of echo sounders.	Integer	1000
Suppress error report of not extended sound speed profiles to be used immediately (0=No, 1=Yes)	Integer	0
Extend received S00 sound speed profile if necessary (0=No, 1=Yes)	Integer	0
Probe at HWS. Set to 1 if in use, 0 if not	Integer	0
SV Probe rate	Integer	10
Sensor Offset (m/sec.):	Integer	0
Filter (sec.):	Integer	60

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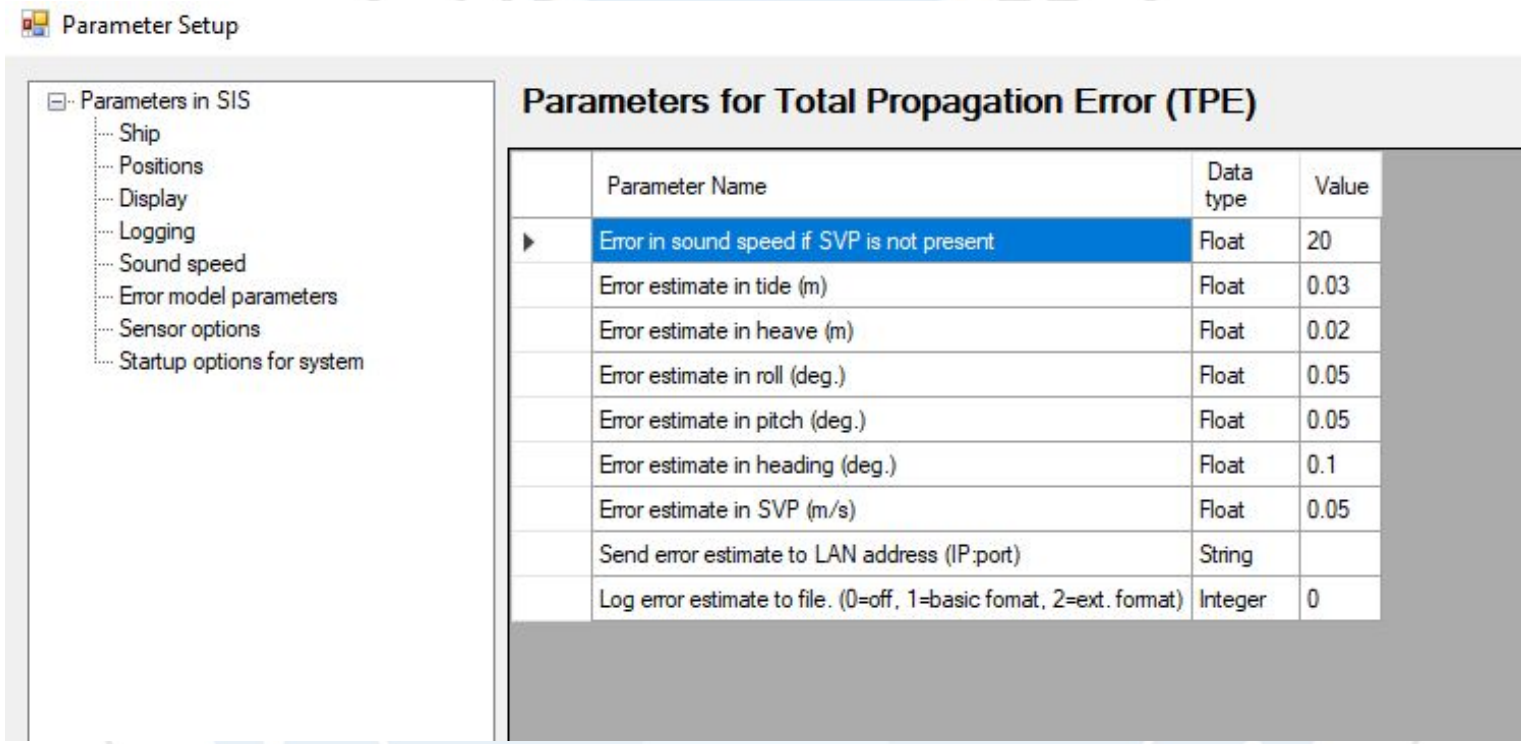

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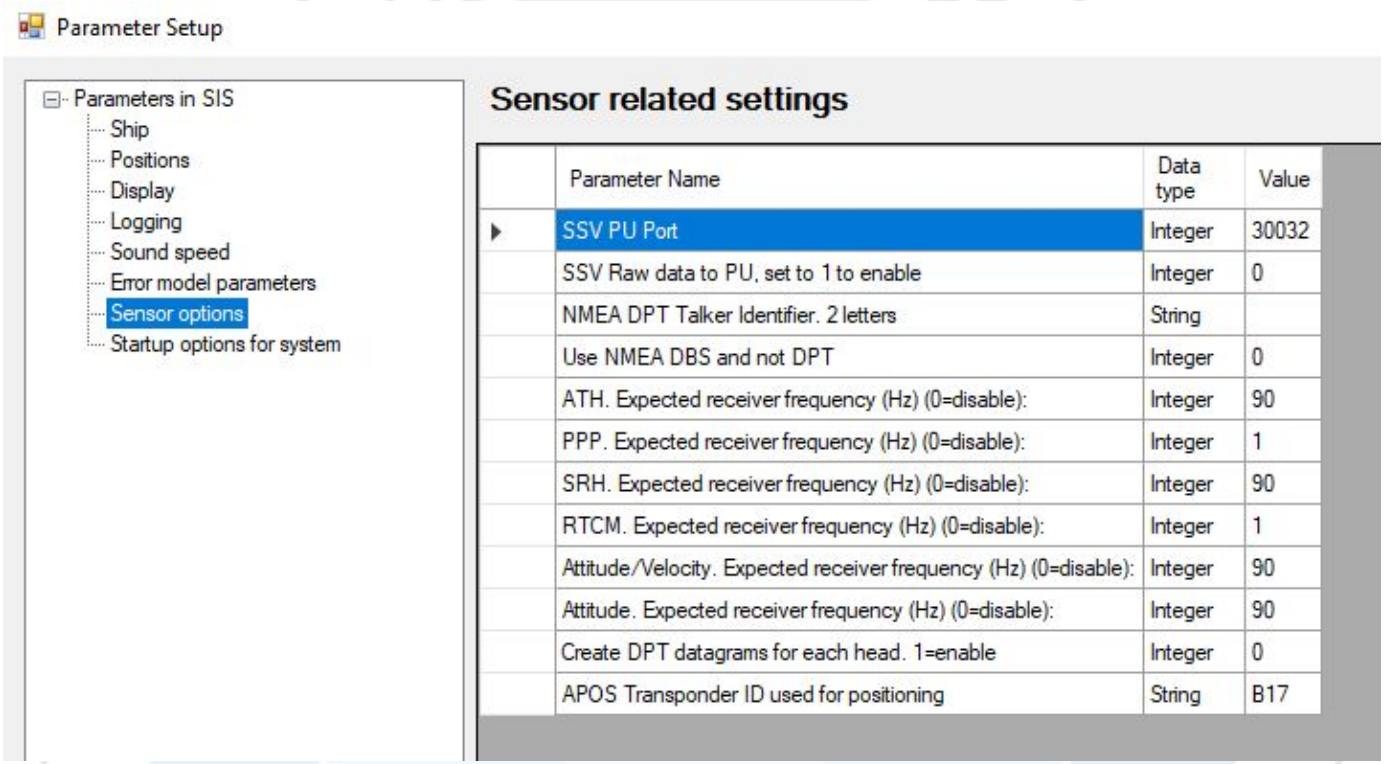

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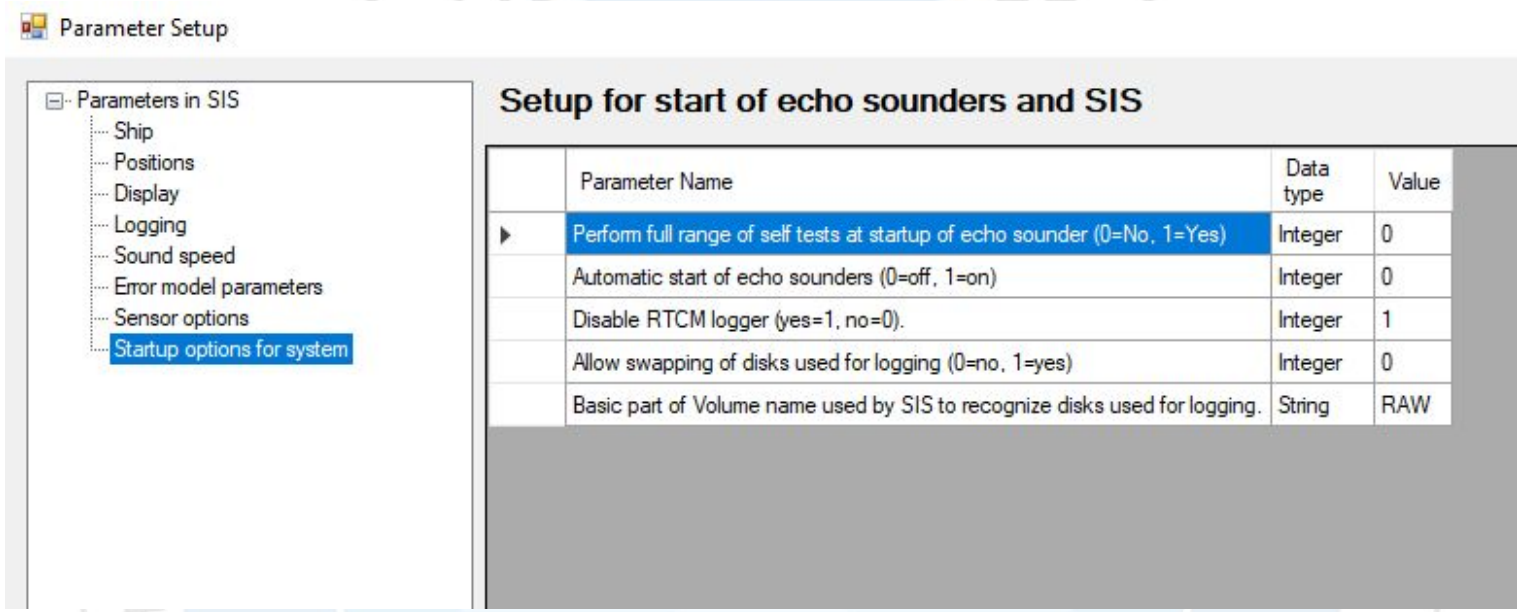

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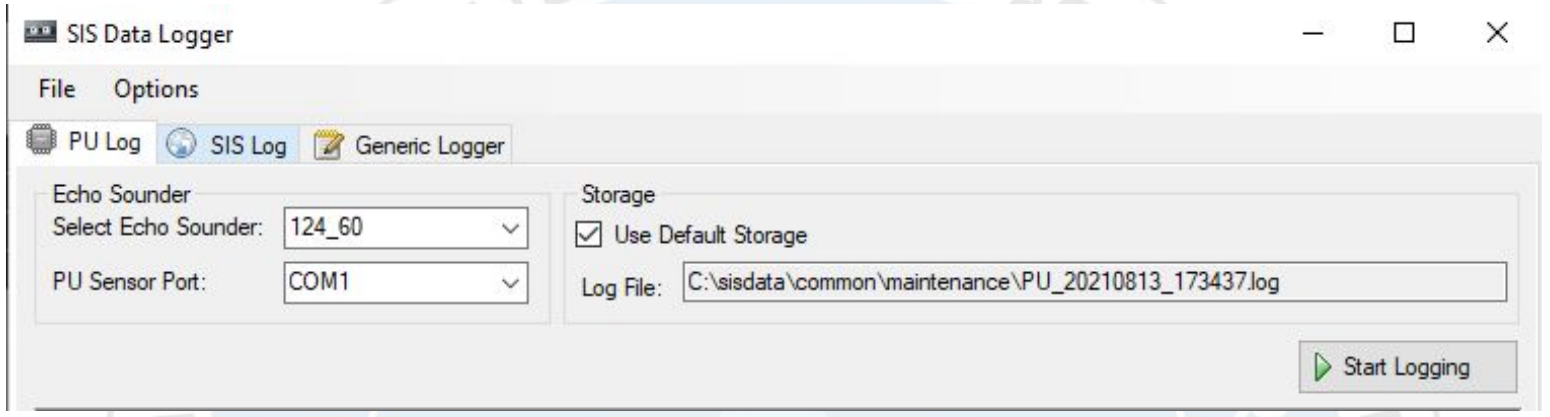

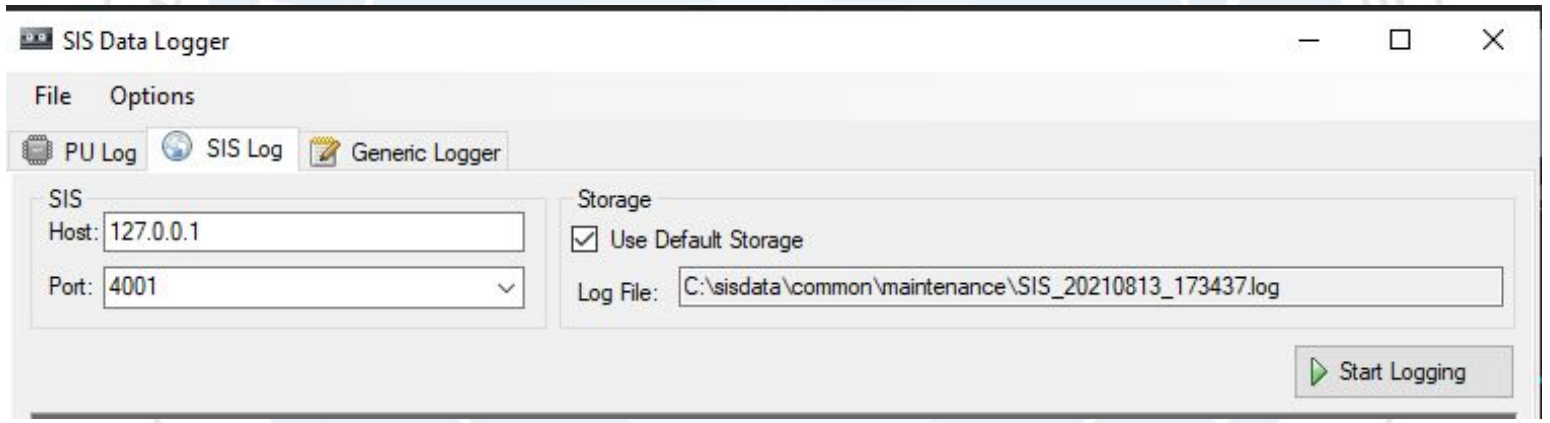

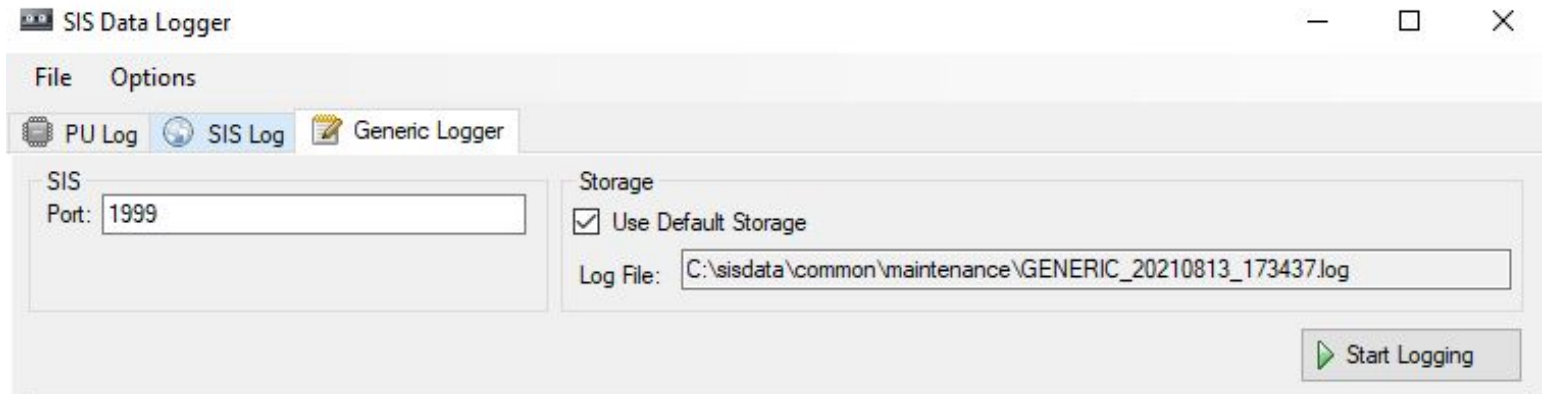

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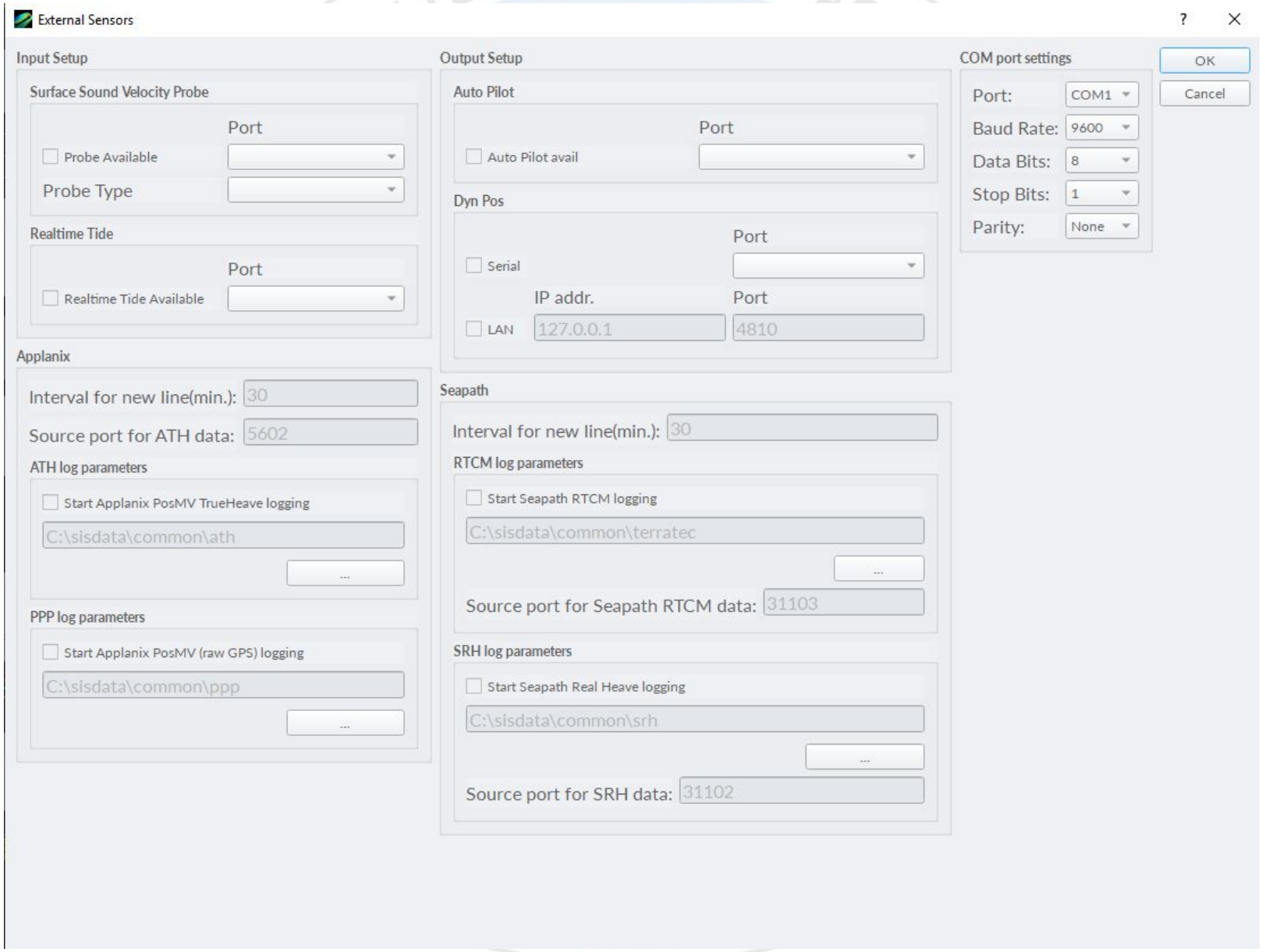

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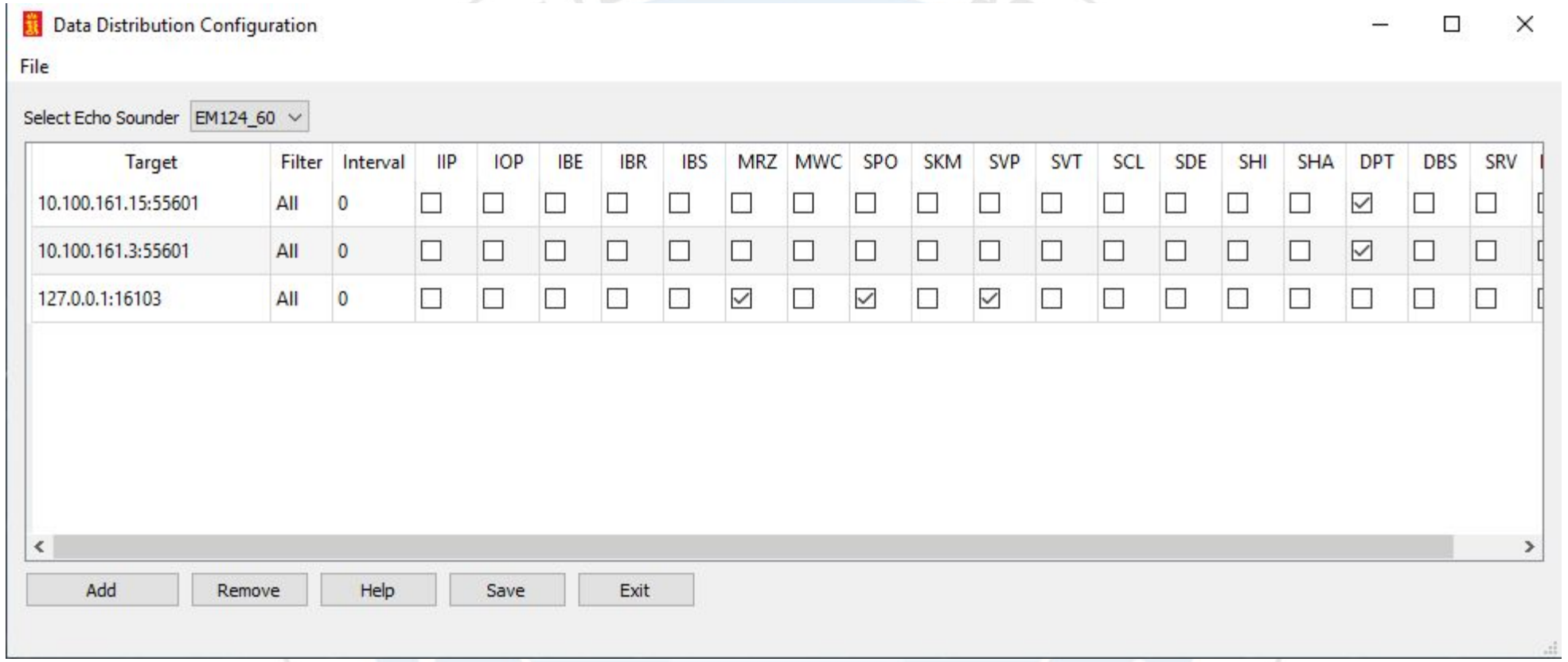

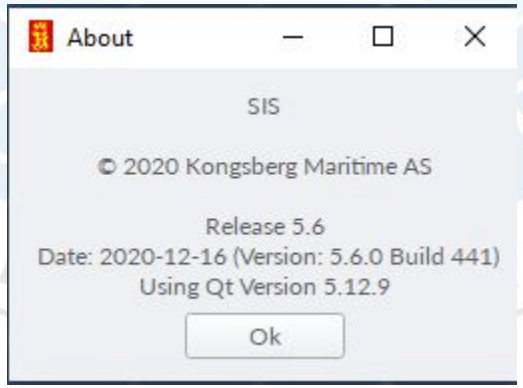

photo: WHOI