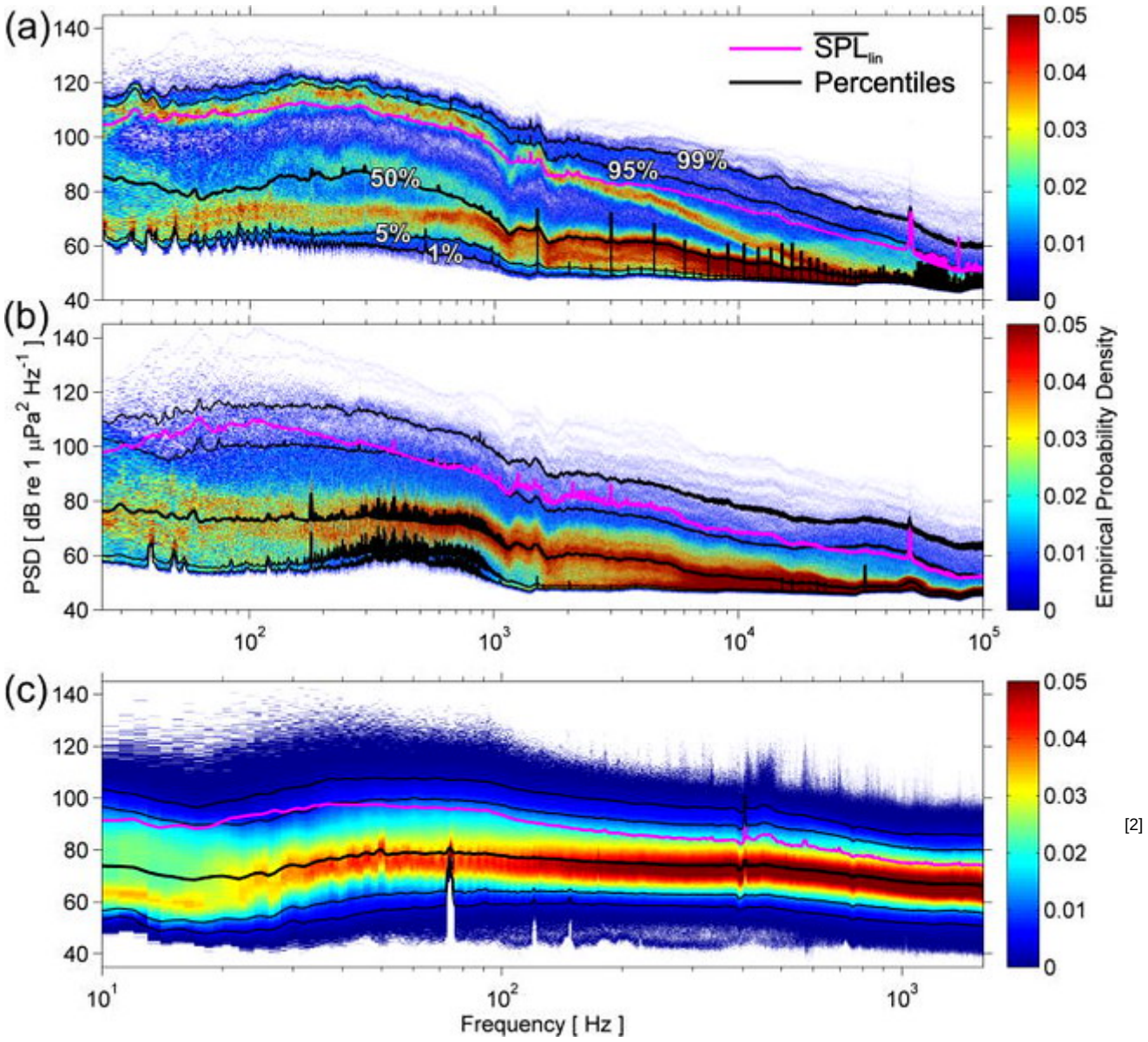
New JASA Paper on Assessing Hydrophone Performance [1]

Submitted by Rory Lattimer Thu, 2013-03-21 00:00



[2]

ONC staff have co-authored another Journal of Acoustical Society of America (JASA) paper in conjunction with first author Nathan D. Merchant of the University of Bath and researchers from the University of Aberdeen. ONC's Tom Dakin, Sensor and Instrument Technology business development officer, and John Dorocicz, Acoustic Systems Developer, contributed to the manuscript, and Jeff Bosma and Richard Dewey also assisted with field work for the paper, "Spectral probability density as a tool for ambient noise analysis [3]."

Tom Dakin believes that "Nathan's technique is an excellent process for assessing the hydrophone data for systematic problems and persistent environmental problems. It is something we should implement at Ocean Networks Canada for hydrophone data QA for the first few months after each new hydrophone deployment."

Nathan Merchant's first collaboration with Tom and John resulted in the paper "Averaging underwater noise levels for environmental assessment of shipping [4]", which was the most downloaded JASA manuscript in September 2012.

References

Spectral probability density as a tool for ambient noise analysis [3]
Nathan D. Merchant, Tim R. Barton, Paul M. Thompson, Enrico Pirotta, D. Tom Dakin, and John Dorocicz, J. Acoust. Soc. Am. 133, EL262 (2013), DOI:10.1121/1.4794934

Averaging underwater noise levels for environmental assessment of shipping [4]
Nathan D. Merchant, Philippe Blondel, D. Tom Dakin, and John Dorocicz, J. Acoust. Soc. Am. Volume 132, Issue 4, pp. EL343-EL349 (2012)

Tags:

- Hydrophone [5]
- ASA [6]
- Acoustics [7]
- spectral probability density [8]

Categories:

- Data Highlights [9]
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- Science Highlights [11]

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[2] http://farm6.staticflickr.com/5508/9494256541_9be78449ab_z.jpg
[3] http://asadl.org/jasa/resource/1/jasman/v133/i4/pEL262_s1
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