

The following supplement accompanies the article

Table S1. Results from the post-hoc pairwise comparison Dunn's test of estimated source levels per month and for the OBS H- and Z-channel deployed off southwest Portugal. Grey shaded cells show not statistical significant levels ($p>0.5$).

Months	H-channel	Z-channel
Jan-Feb	Z=9.23, $p<0.001$	Z=10.88, $p<0.001$
Jan-Mar	Z=2.31, $p<0.05$	Z=6.78, $p<0.001$
Jan-Apr	Z=11.23, $p<0.001$	Z=14.77, $p<0.001$
Jan-Nov	Z=3.41, $p<0.001$	Z=19.05, $p<0.001$
Jan-Dec	Z=11.12, $p<0.001$	Z=23.94, $p<0.001$
Feb-Mar	Z=0.35, $p=0.7$	Z=4.47, $p<0.001$
Feb-Apr	Z=7.73, $p<0.001$	Z=10.63, $p<0.001$
Feb-Nov	Z=1.29, $p=0.2$	Z=-13.23, $p<0.001$
Feb-Dec	Z=-5.32, $p<0.001$	Z=-16.82, $p<0.001$
Mar-Apr	Z=3.59, $p<0.001$	Z=1.42, $p=0.2$
Mar-Nov	Z=0.84, $p=0.4$	Z=-0.98, $p=0.4$
Mar-Dec	Z=-1.46, $p=0.2$	Z=-1.39, $p=0.2$
Apr-Nov	Z=7.39, $p<0.001$	Z=0.83, $p=0.4$
Apr-Dec	Z=4.03, $p<0.001$	Z=0.26, $p=0.7$