

Table S1. Deployment number, Marine Autonomous Recording Unit (MARU) sites (Site ID), bottom depth (MARUs were suspended 2 m from seafloor), recording location (latitude and longitude), first date of data collection (Start Date), last date of data collection (End Date), and the total number of recorded 24-hour days for each site and deployment. “NA” represents deployments in which there are no acoustic data for the specified site. MA sites were deployed in the Massachusetts Wind Energy Area (WEA) and RI sites were deployed in the Rhode Island-Massachusetts WEA.

Deployment	MARU Site ID	Depth (m)	Latitude (Decimal °)	Longitude (Decimal °)	Start Date	End Date	Total Days
1	MA-1	53	40.861	-70.731	11/10/2011	4/25/2012	168
1	MA-2	43	40.937	-70.382	11/10/2011	4/25/2012	168
1	MA-3	51	40.744	-70.460	11/10/2011	4/25/2012	168
1	MA-4	48	40.749	-70.326	11/10/2011	4/25/2012	168
1	MA-5	59	40.599	-70.374	11/10/2011	4/25/2012	168
1	MA-6	53	40.613	-70.156	11/10/2011	4/25/2012	168
2	MA-1	53	40.861	-70.731	4/27/2012	10/3/2012	160
2	MA-2	43	40.937	-70.381	4/27/2012	10/3/2012	160
2	MA-3	51	40.744	-70.461	4/27/2012	10/3/2012	160
2	MA-4	48	40.748	-70.325	4/27/2012	10/3/2012	160
2	MA-5	59	40.599	-70.374	4/27/2012	10/3/2012	160
2	MA-6	53	40.613	-70.156	4/27/2012	10/3/2012	160
3	MA-1	54	40.861	-70.731	2/16/2013	7/30/2013	165
3	MA-2	44	40.938	-70.382	2/16/2013	7/30/2013	165
3	MA-3	52	40.744	-70.461	2/16/2013	7/30/2013	165
3	MA-4	47	40.786	-70.326	2/16/2013	7/30/2013	165
3	MA-5	59	40.600	-70.370	2/16/2013	7/30/2013	165
3	MA-6	53	40.612	-70.157	2/16/2013	7/30/2013	165
3	RI-1	50	40.995	-70.864	2/16/2013	7/30/2013	165
3	RI-2	51	40.998	-71.169	N/A	N/A	0
3	RI-3	33	41.142	-71.104	2/16/2013	7/30/2013	165
4	MA-1	54	40.861	-70.732	N/A	N/A	0
4	MA-2	44	40.942	-70.382	N/A	N/A	0
4	MA-3	52	40.744	-70.461	8/2/2013	1/15/2014	167
4	MA-4	47	40.786	-70.326	N/A	N/A	0
4	MA-5	59	40.599	-70.262	8/2/2013	2/12/2014	195
4	MA-6	53	40.613	-70.155	N/A	N/A	0
4	RI-1	50	40.996	-70.864	8/2/2013	2/7/2014	190
4	RI-2	51	40.998	-71.168	8/2/2013	2/12/2014	195
4	RI-3	33	41.142	-71.104	8/2/2013	2/12/2014	195
5	MA-1	54	40.861	-70.731	4/15/2014	9/23/2014	162

Deployment	MARU Site ID	Depth (m)	Latitude (Decimal °)	Longitude (Decimal °)	Start Date	End Date	Total Days
5	MA-2	44	40.938	-70.382	4/15/2014	9/23/2014	162
5	MA-3	52	40.743	-70.461	4/15/2014	9/23/2014	162
5	MA-4	47	40.786	-70.326	4/15/2014	9/23/2014	162
5	MA-5	59	40.597	-70.373	4/15/2014	9/23/2014	162
5	MA-6	53	40.612	-70.155	N/A	N/A	0
5	RI-1	50	40.995	-70.865	4/15/2014	9/23/2014	146
5	RI-2	51	40.998	-71.168	4/15/2014	9/23/2014	162
5	RI-3	33	41.142	-71.103	4/15/2014	9/23/2014	162
6	MA-1	54	40.861	-70.732	9/28/2014	3/19/2015	173
6	MA-2	44	40.938	-70.383	9/28/2014	3/19/2015	173
6	MA-3	52	40.744	-70.461	9/28/2014	3/19/2015	173
6	MA-4	47	40.786	-70.326	9/28/2014	3/19/2015	173
6	MA-5	59	40.599	-70.371	9/28/2014	3/19/2015	173
6	MA-6	53	40.612	-70.155	9/28/2014	3/19/2015	173
6	RI-1	50	40.987	-70.864	9/28/2014	3/19/2015	173
6	RI-2	51	40.998	-71.168	N/A	N/A	0
6	RI-3	33	41.142	-71.104	9/28/2014	3/19/2015	173

Table S2. Pairwise Wilcoxon test comparing the proportion of days per month with North Atlantic right whale upcall presence between seasons. Winter: January–March; Spring: April–June; Summer: July–September; Autumn: October–December.

Season Pairs	Score Mean Difference	SE Difference	Z	p-Value
Winter - Summer	9.18333	2.583303	3.55488	0.0004
Winter - Spring	5.38333	2.585573	2.08207	0.0373
Winter - Autumn	5.27778	2.583303	2.04303	0.0410
Spring - Autumn	0.88889	2.515313	0.35339	0.7238
Summer - Spring	-6.66667	2.51011	-2.65593	0.0079
Summer - Autumn	-7.33333	2.512713	-2.91849	0.0035

Table S3. Pairwise Wilcoxon test comparing the mean daily call rates of North Atlantic right whales between seasons. Winter: January–March; Spring: April–June; Summer: July–September; Autumn: October–December.

Season Pairs	Score Mean Difference	SE Difference	Z	p-Value
Winter - Summer	183.883	11.88192	15.4759	<.0001
Winter - Spring	124.986	12.68561	9.8526	<.0001
Winter - Autumn	101.995	12.54718	8.1289	<.0001
Spring - Autumn	-24.865	11.94562	-2.0815	0.0374
Summer - Spring	-94.496	10.41848	-9.07	<.0001
Summer - Autumn	-107.199	10.47649	-10.2324	<.0001