

Humpback Data Analysis

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Goals of this study

Investigate the co-occurrence of humpback whales and vessel noise.

Data

Acoustic data was collected from drifting acoustic recorders during the 2018 California Current Ecosystem survey. See [Simonis et al 2020](#) for more details. Data analyzed here includes CCES Drifts 10, 12, 13, 14, 16, 20.

Combine Logs

The presence of humpback whales and ships were logged by 3 Seatech analysts, including Virginia Pearson, Audrey Bahnke, and Sarah Bahnke.

Plots

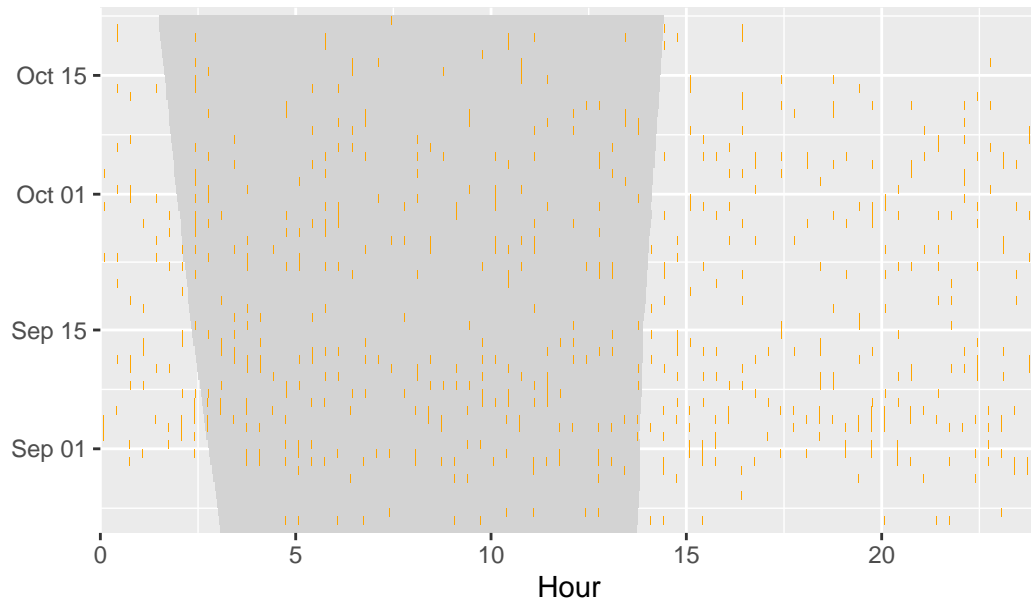
Diel Plot

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#Define Figure Options
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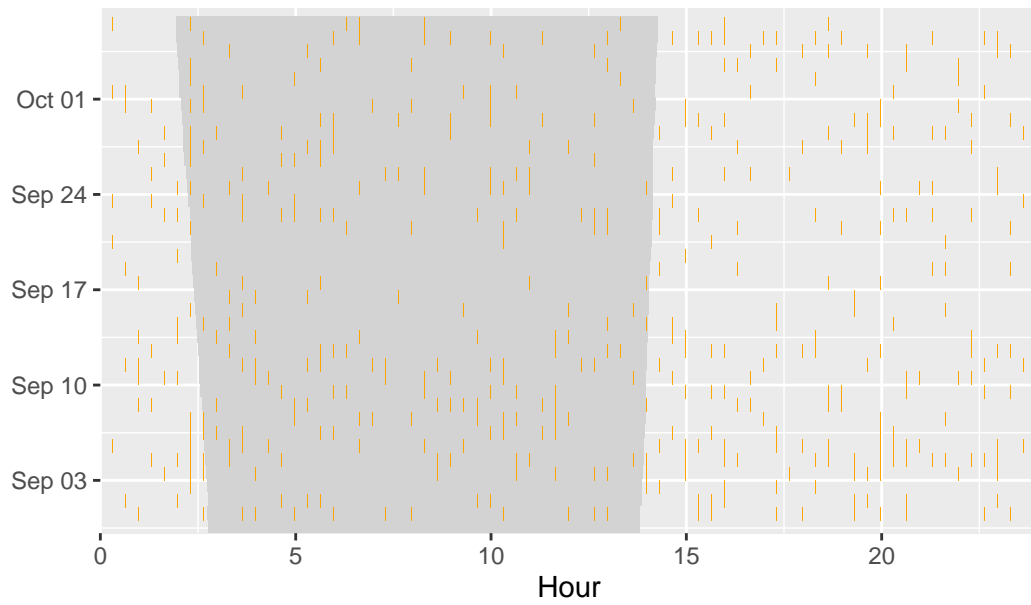
[[1]]

Drift-10: Ships



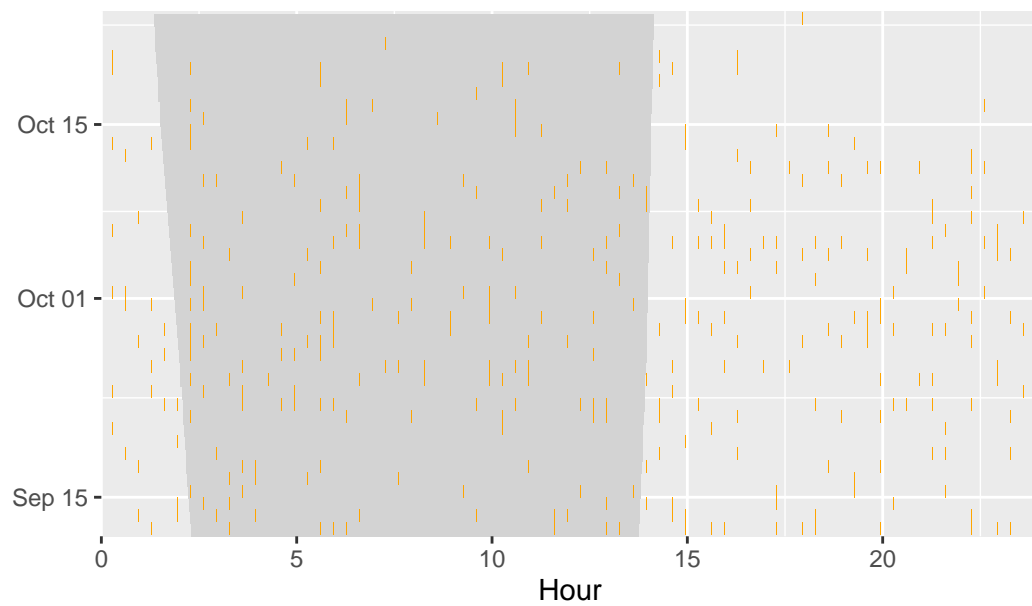
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Drift-12: Ships



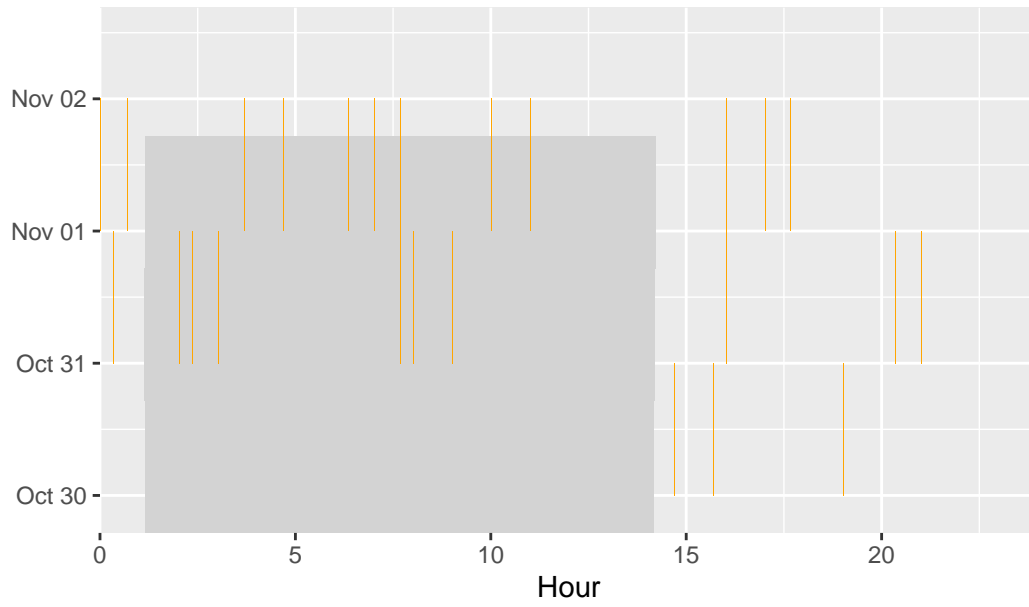
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Drift-13: Ships



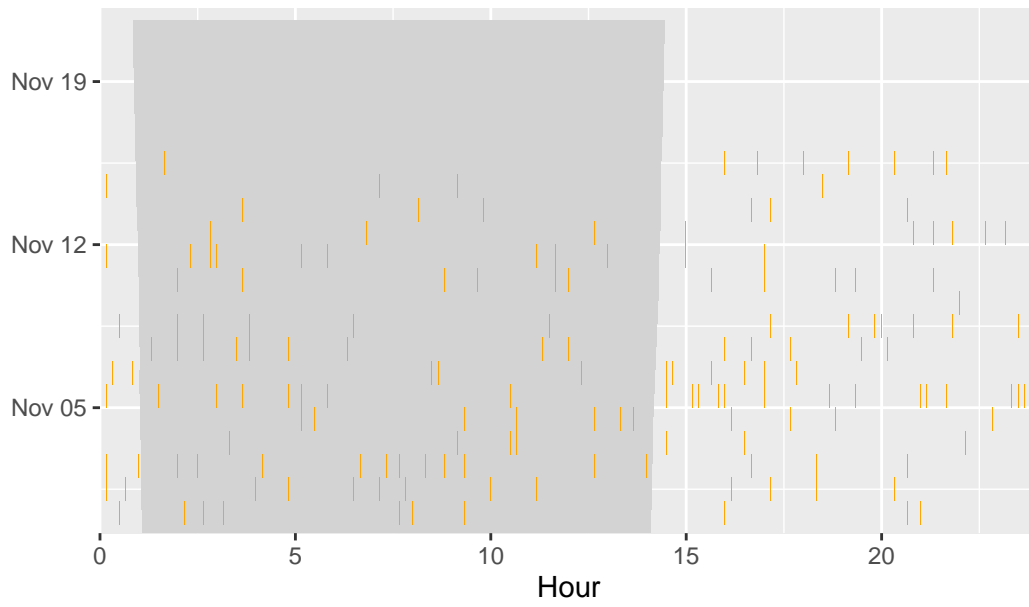
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Drift-14: Ships

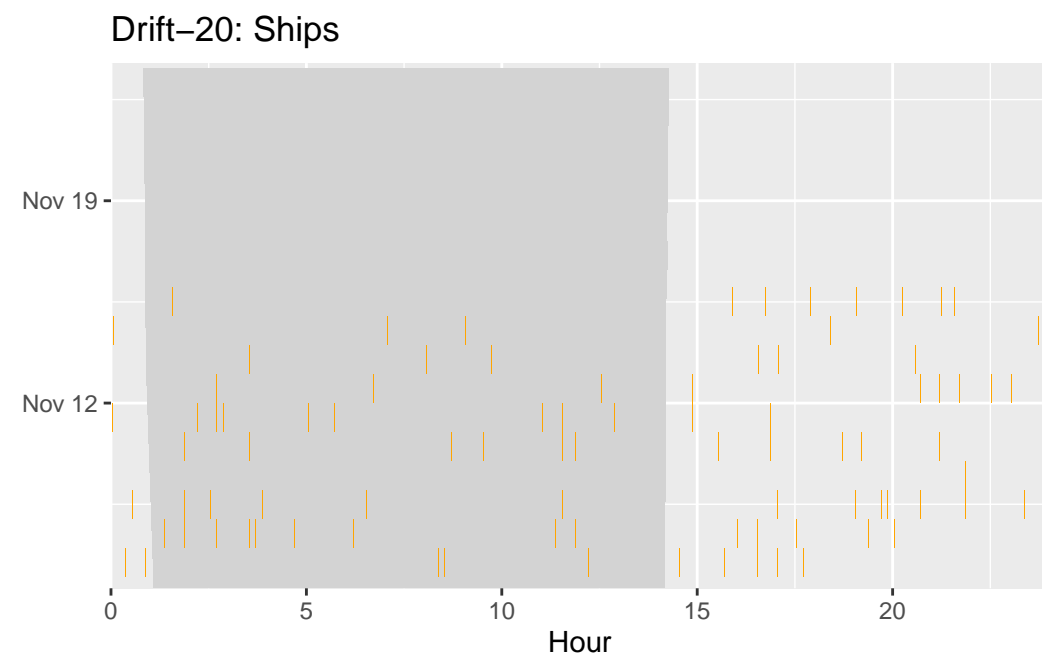


[[5]]

Drift-16: Ships



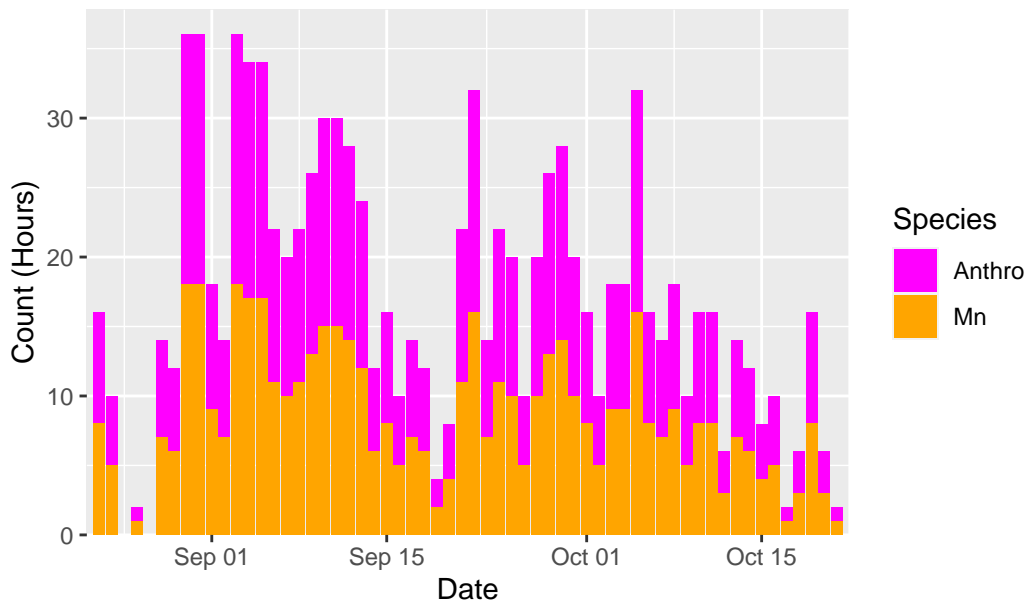
[[6]]



Weekly Plot

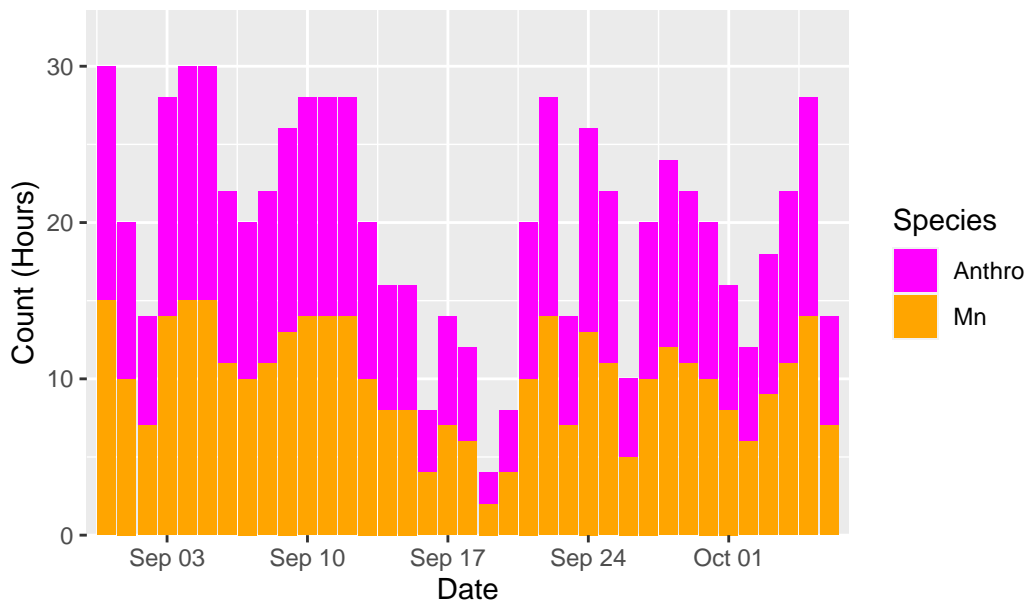
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Drift-10: Humpback whales and ships

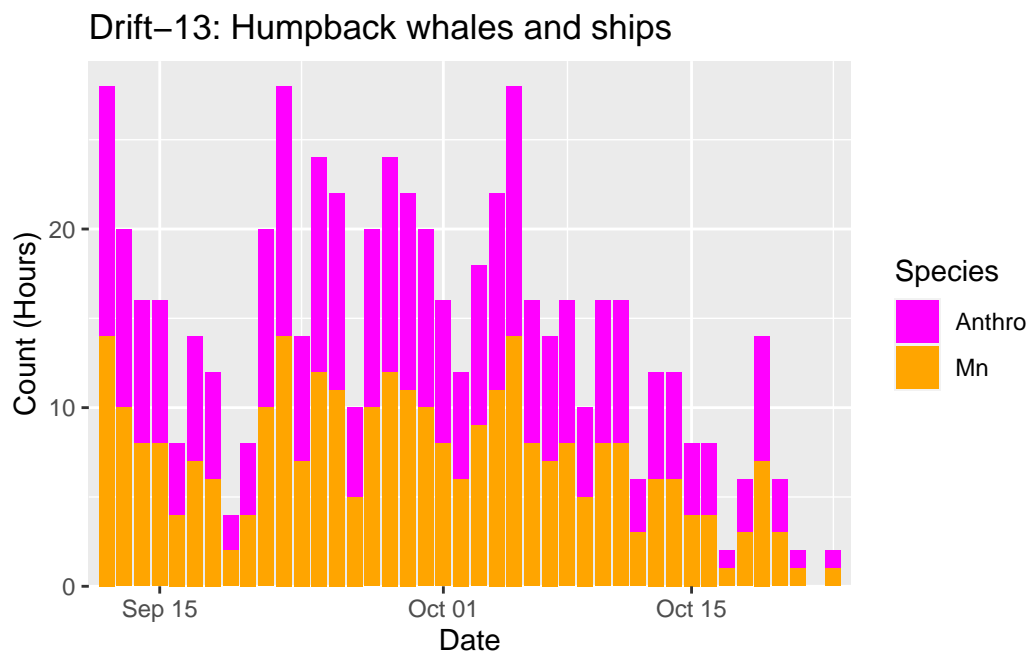


[[2]]

Drift-12: Humpback whales and ships

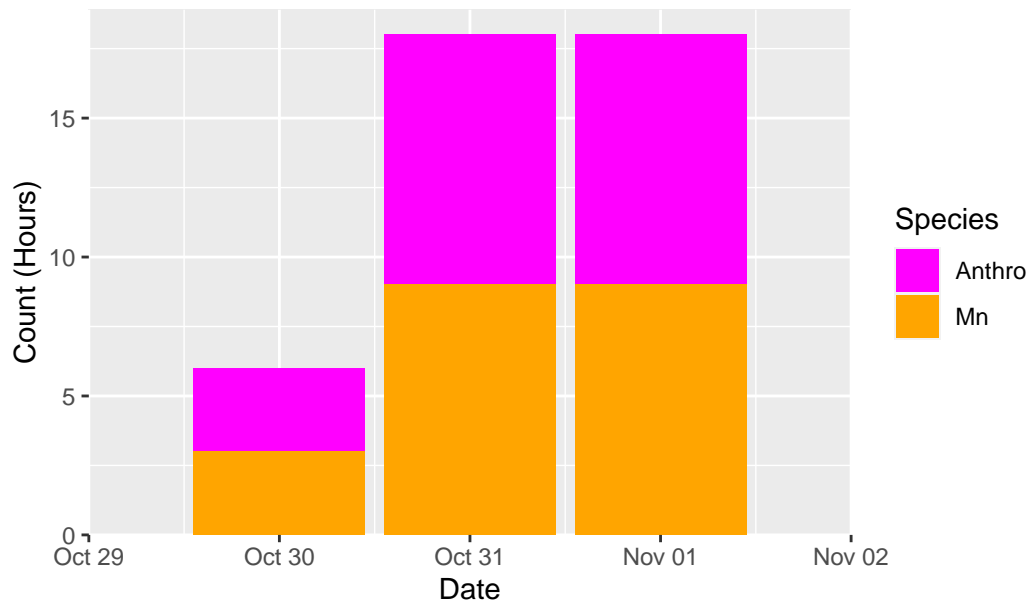


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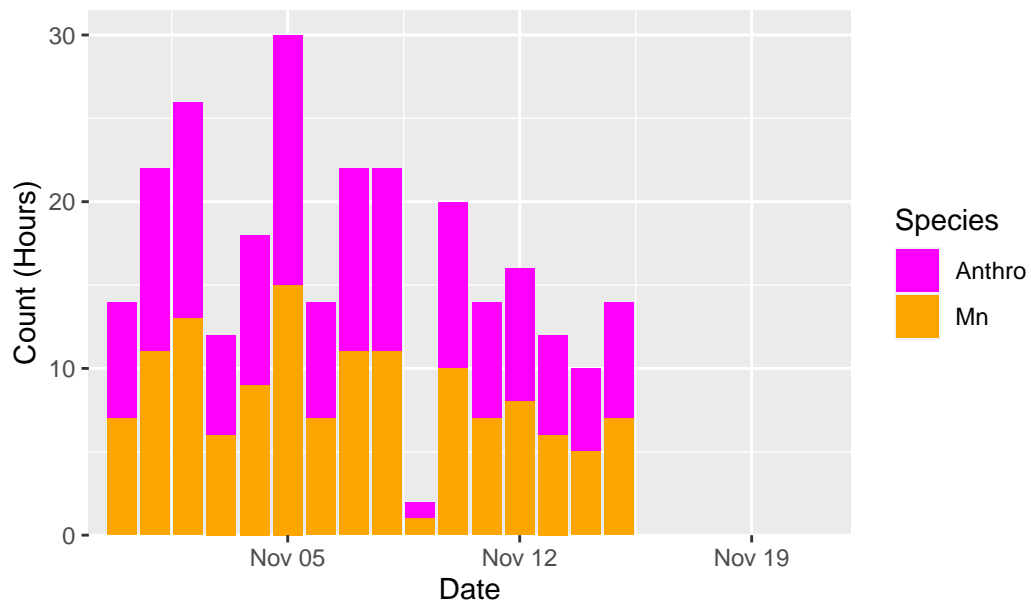
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Drift-14: Humpback whales and ships

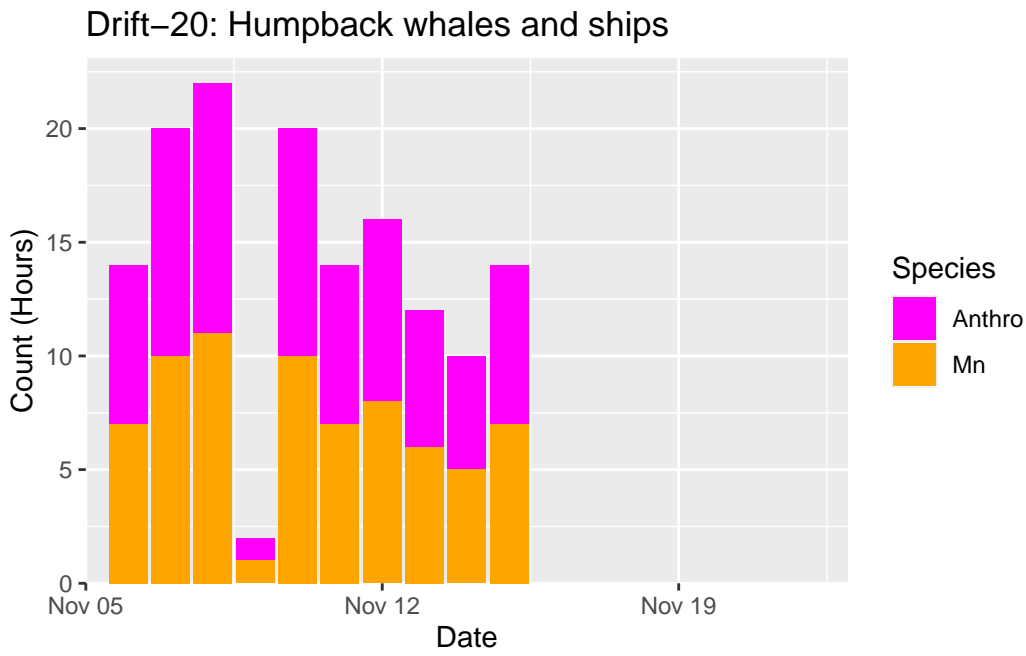


[[5]]

Drift-16: Humpback whales and ships

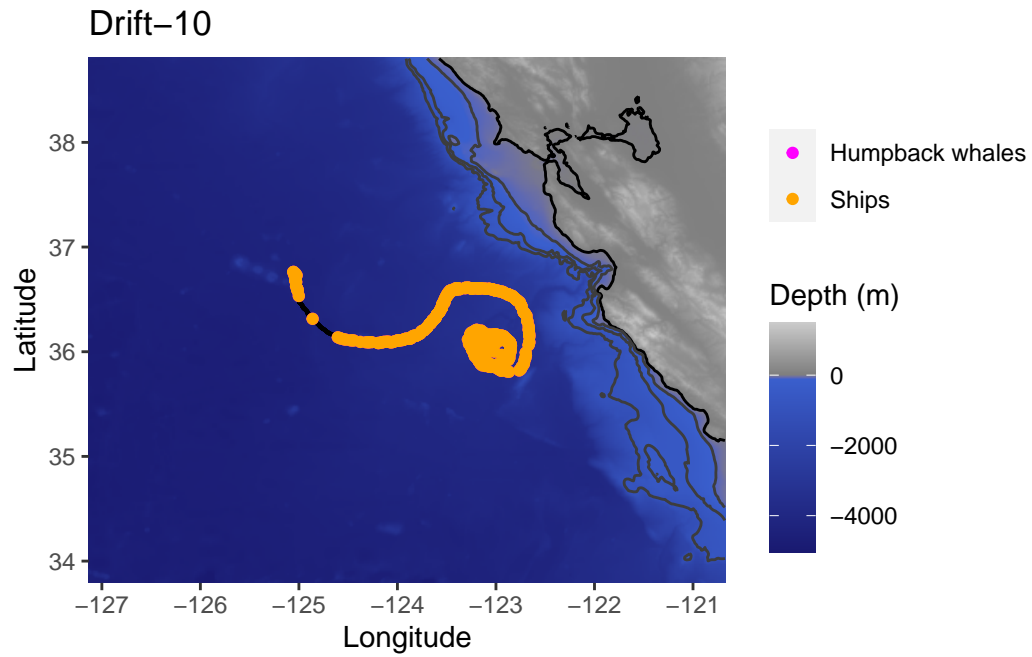


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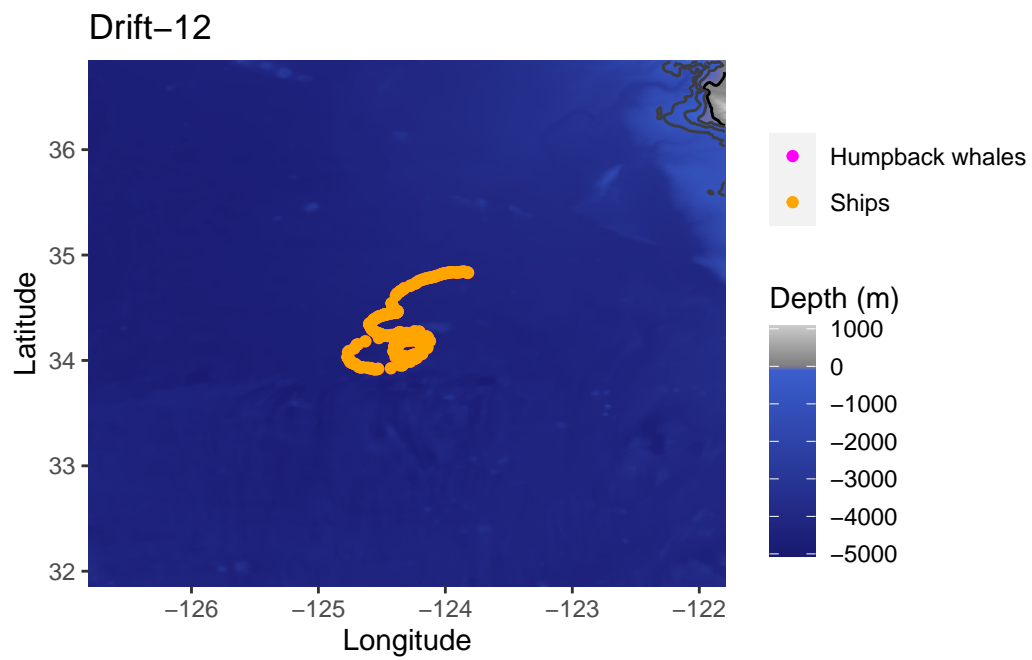


Map

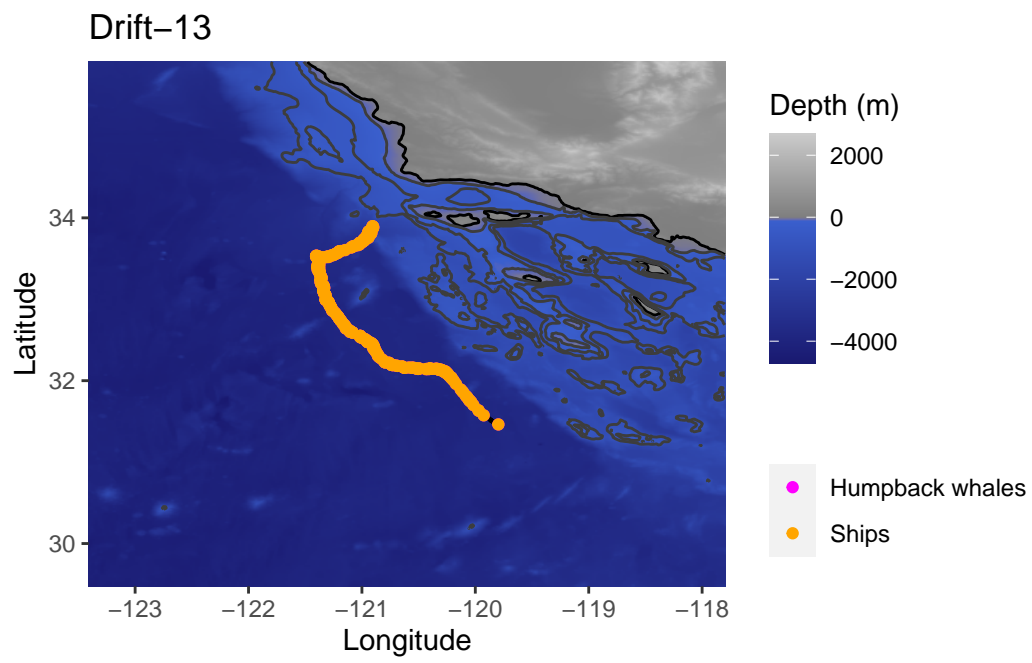
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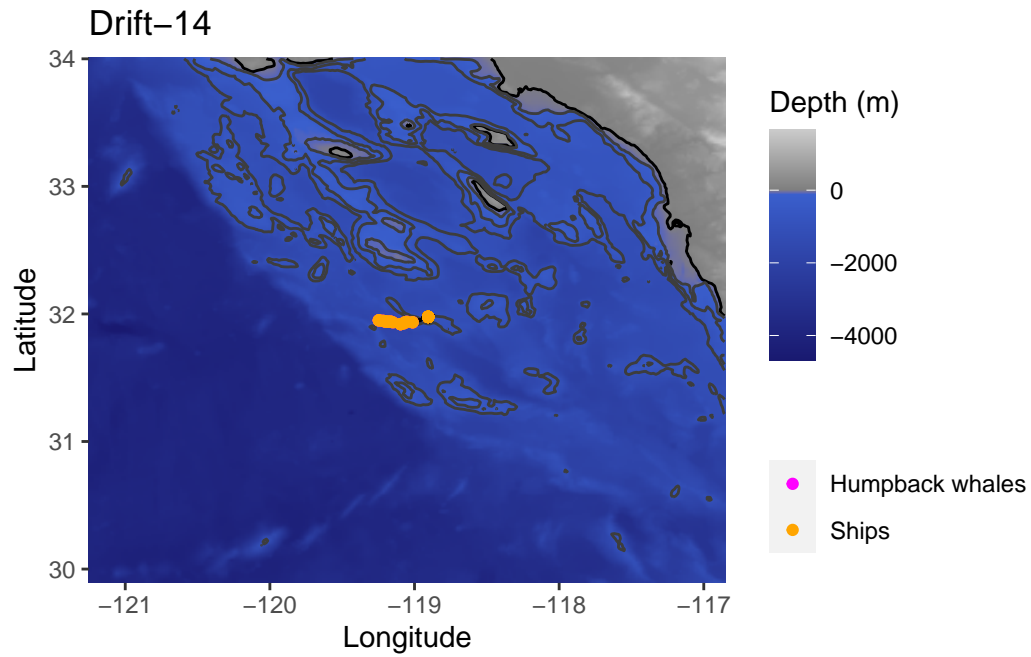
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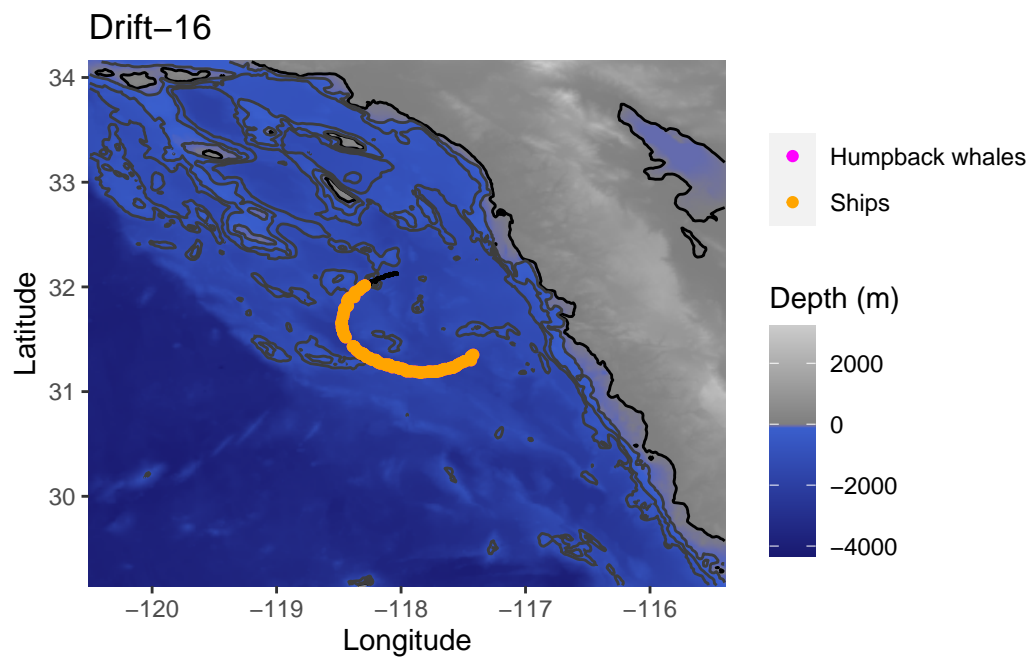
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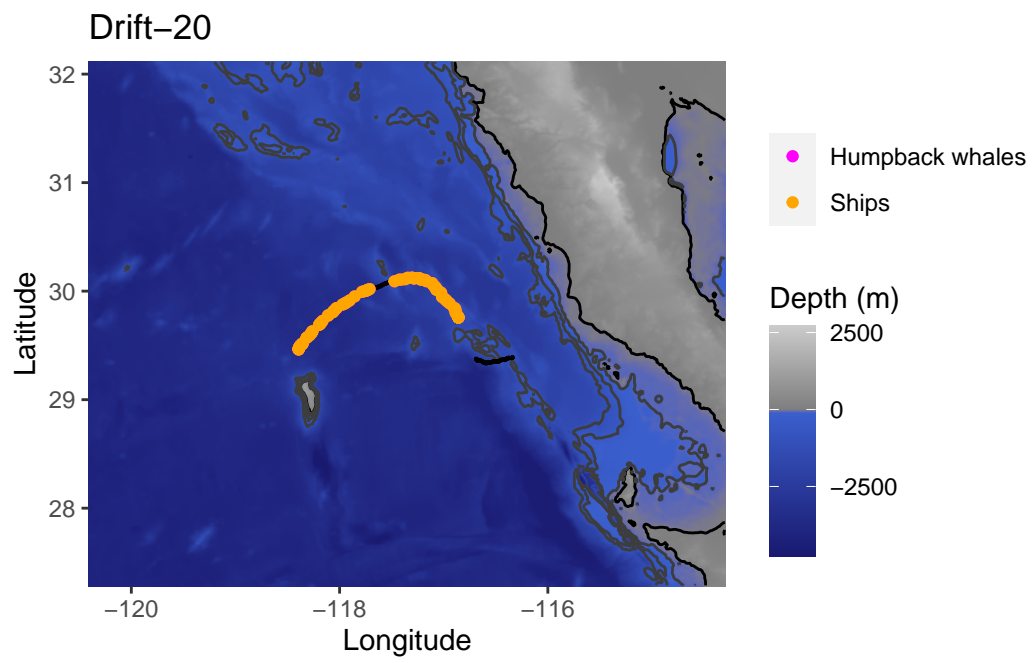
[[4]]



[[5]]



[[6]]



Map of all drifts

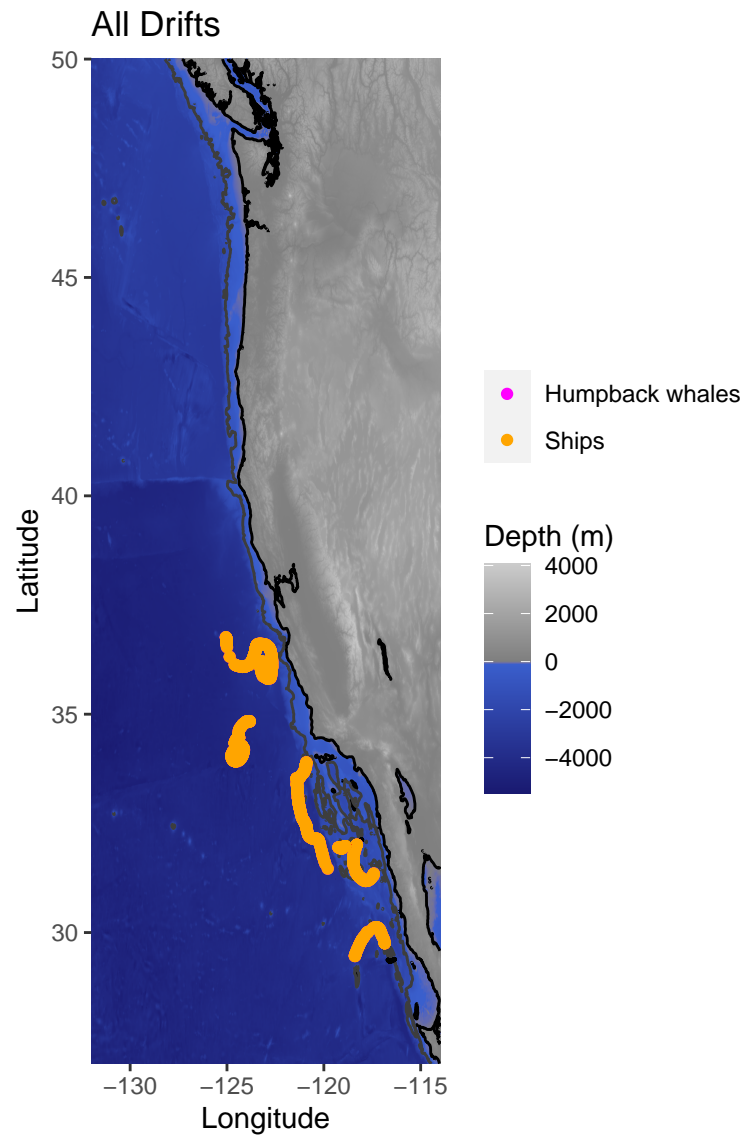


Figure 1: Map of all drifts analyzed