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*Supplement of*

## **A multi-scale comparison of modeled and observed seasonal methane emissions in northern wetlands**

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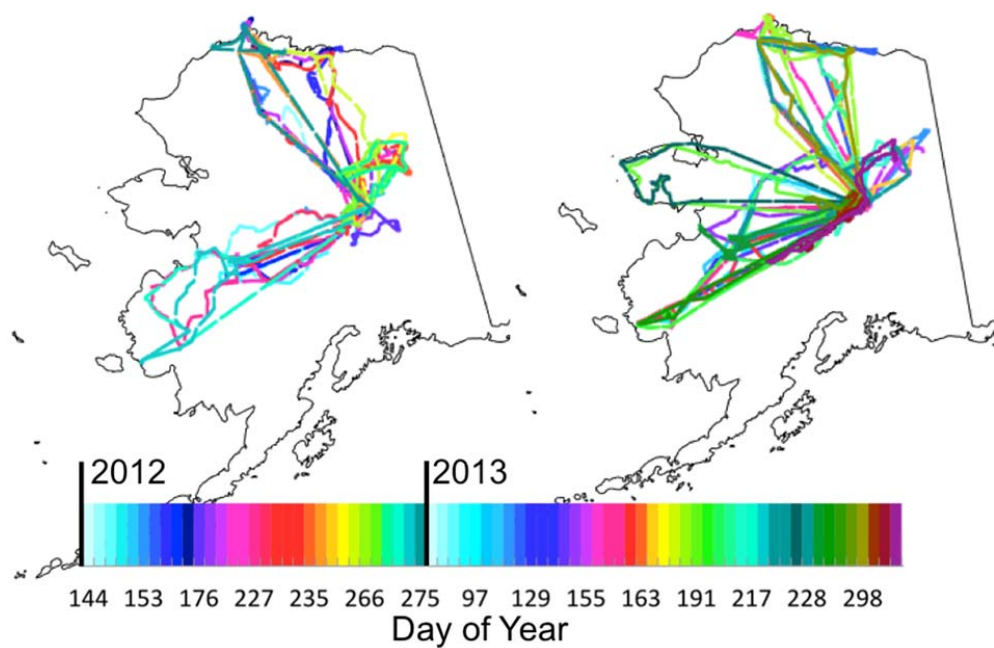


Fig. S1. Flight tracks with valid CH<sub>4</sub> mole fractions during the CARVE 2012 and 2013 campaigns. There were 31 flight days in 2012 and 43 flight days in 2013 (Supplement Table S2).



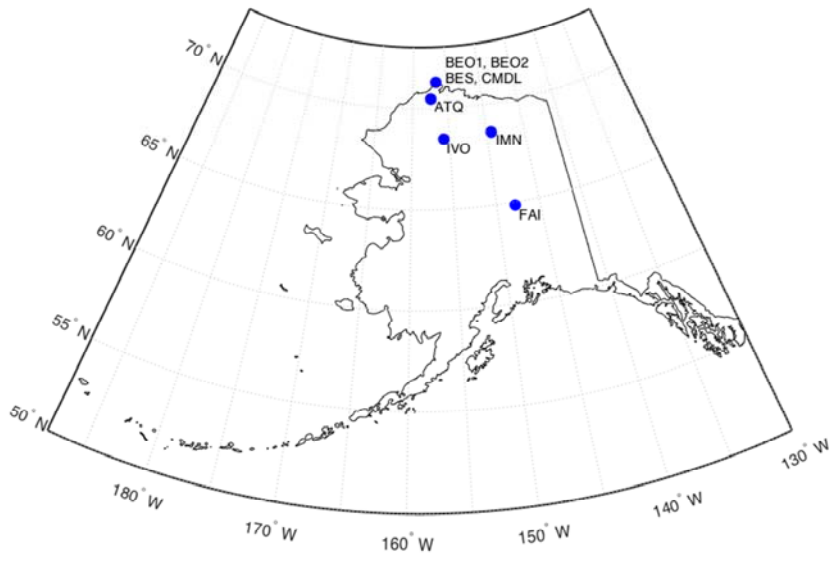


Fig. S2 The eight eddy covariance (EC) sites in Alaska

Table S2. The flight dates of CARVE measurements in 2012 and 2013

<b>Year</b>	<b>Month</b>	<b>Dates</b>
2012	May	23,24,27,28,30
	June	1,18,19,21,22,24
	July	17,22,24,25
	August	14,18,19,20,21,22,23
	September	17,18,19,21,22,23,24,26
	October	1
2013	April	2,3,4,5,6
	May	2,4,6,7,8,9,10,13
	June	2,3,6,7,8,9,11
	July	3,4,5,7,9,11,12
	August	2,3,4,7,11,12,13
	September	5,6,7,10,12
	October	24,25,26,27

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