Figures

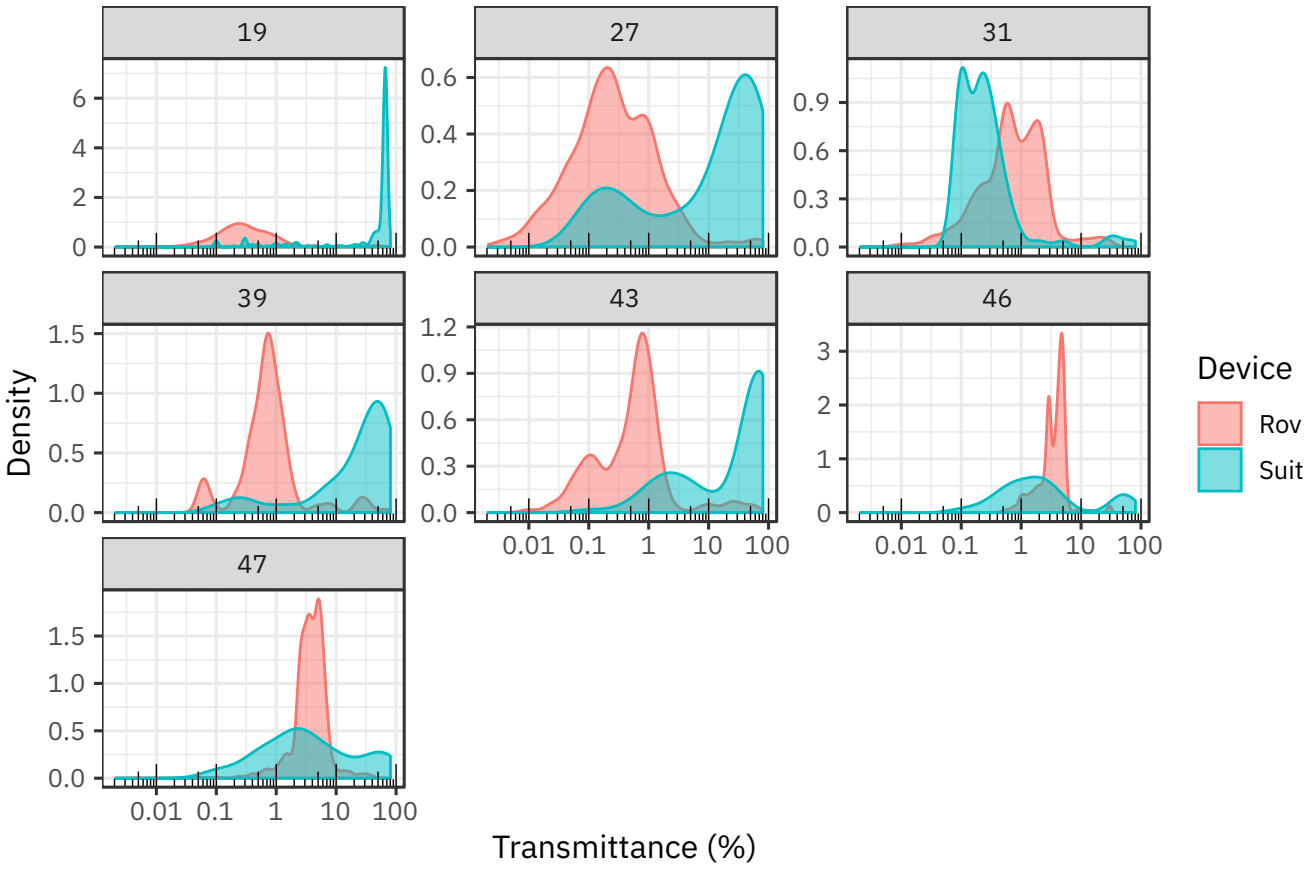

Figure 1: Density plots showing the distribution of transmittance values measured by the ROV and the SUIT devices between 0-3 meters under sea ice. Numbers on top of the gray boxes identify the stations.

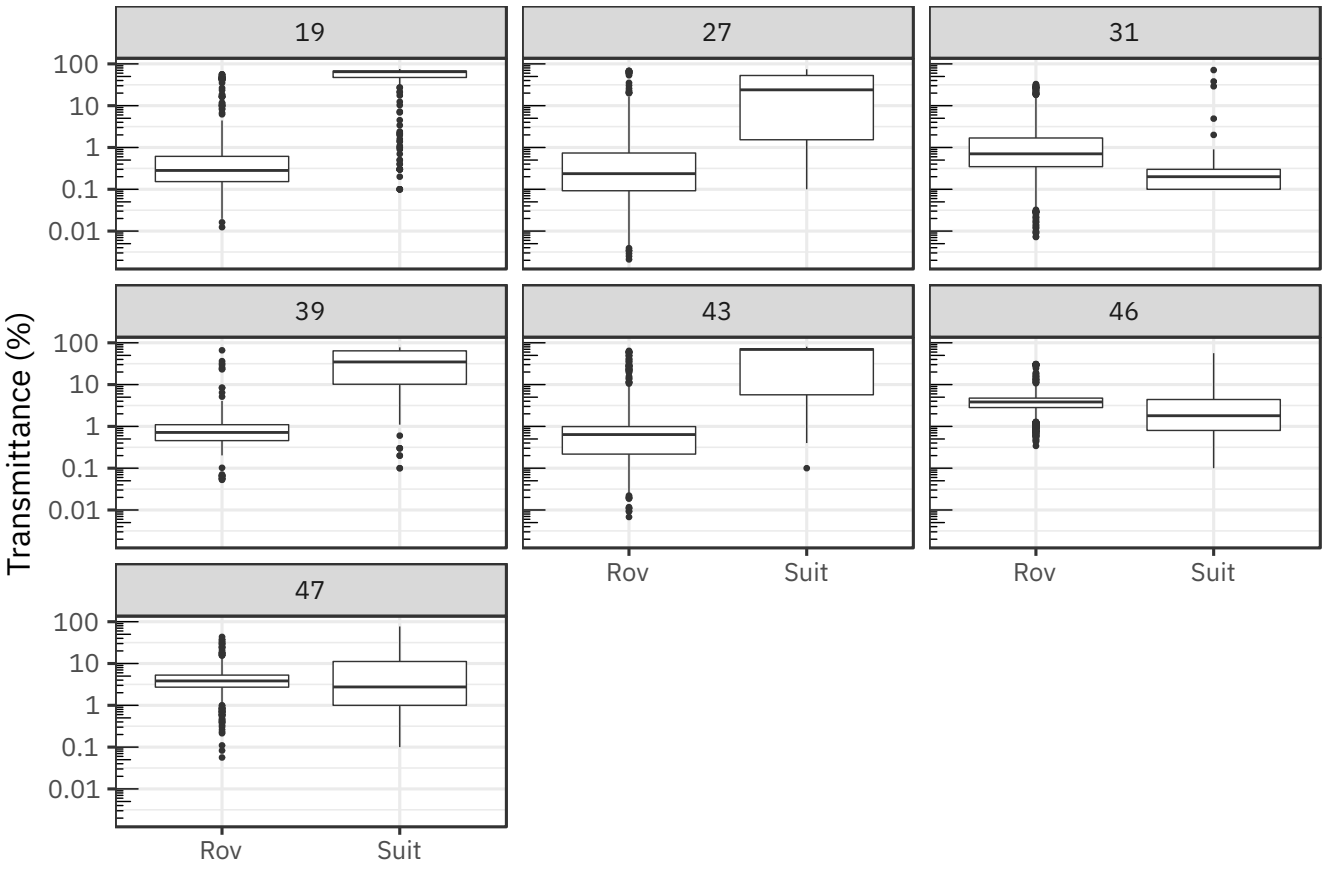

Figure 2: Boxplots, just an idea for the moment.

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
.$source	1	3965.49	3965.49	2307.06	0.0000
Residuals	1720	2956.43	1.72		

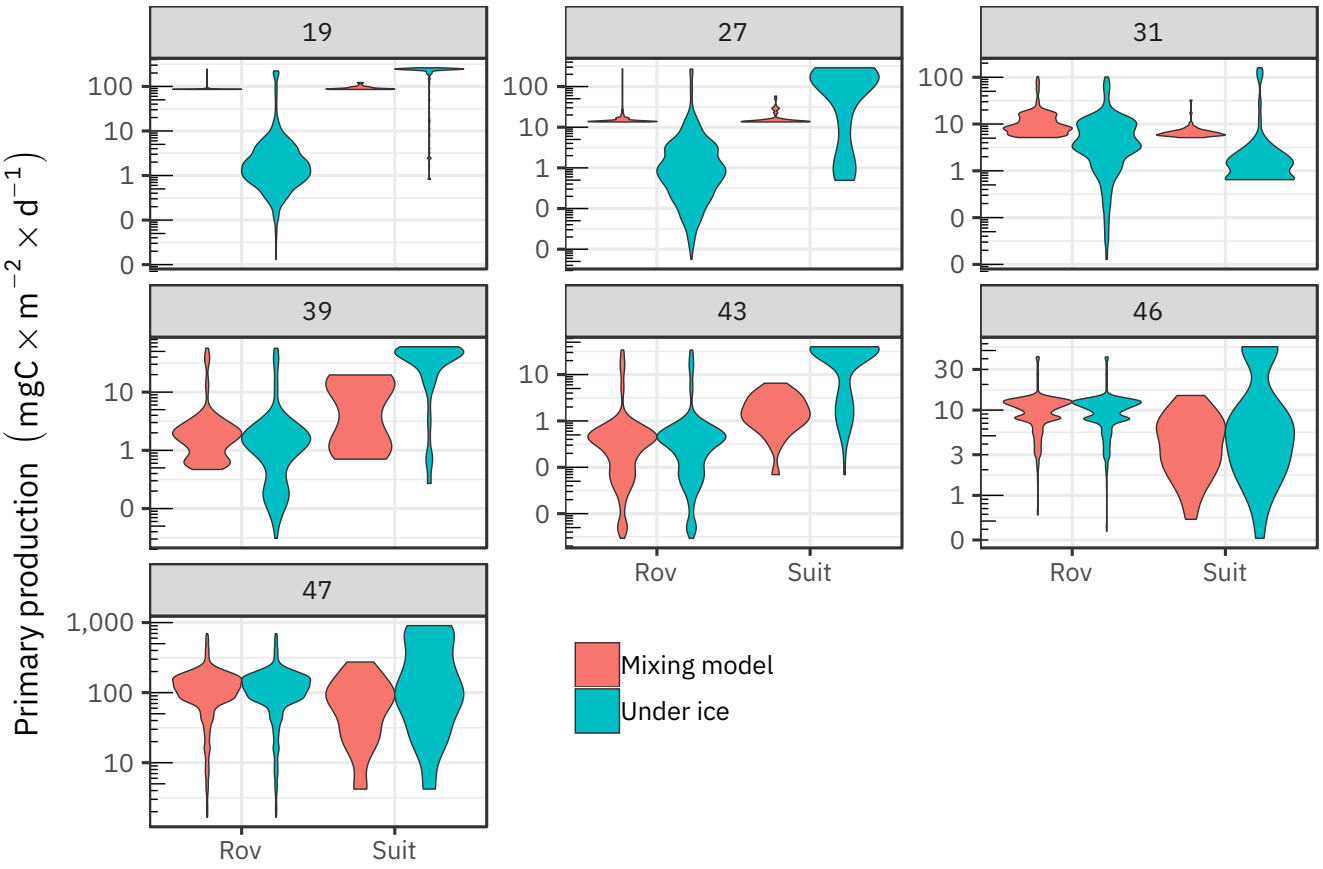

Figure 3: Violin plots of primary production calculated from ROV and SUIT transmittance data. For SUIT data, mixing models were calculated using only transmittance ≤ 0.1 whereas the under ice models were calculated using all transmittance data. The next table shows the SIC values used for the mixing models.

	station	cast	sic_9
1	19	5	0.71
2	27	3	0.96
3	31	3	0.97
4	32	5	0.98
5	39	8	0.99
6	43	5	1.00
7	46	2	1.00
8	47	4	1.00

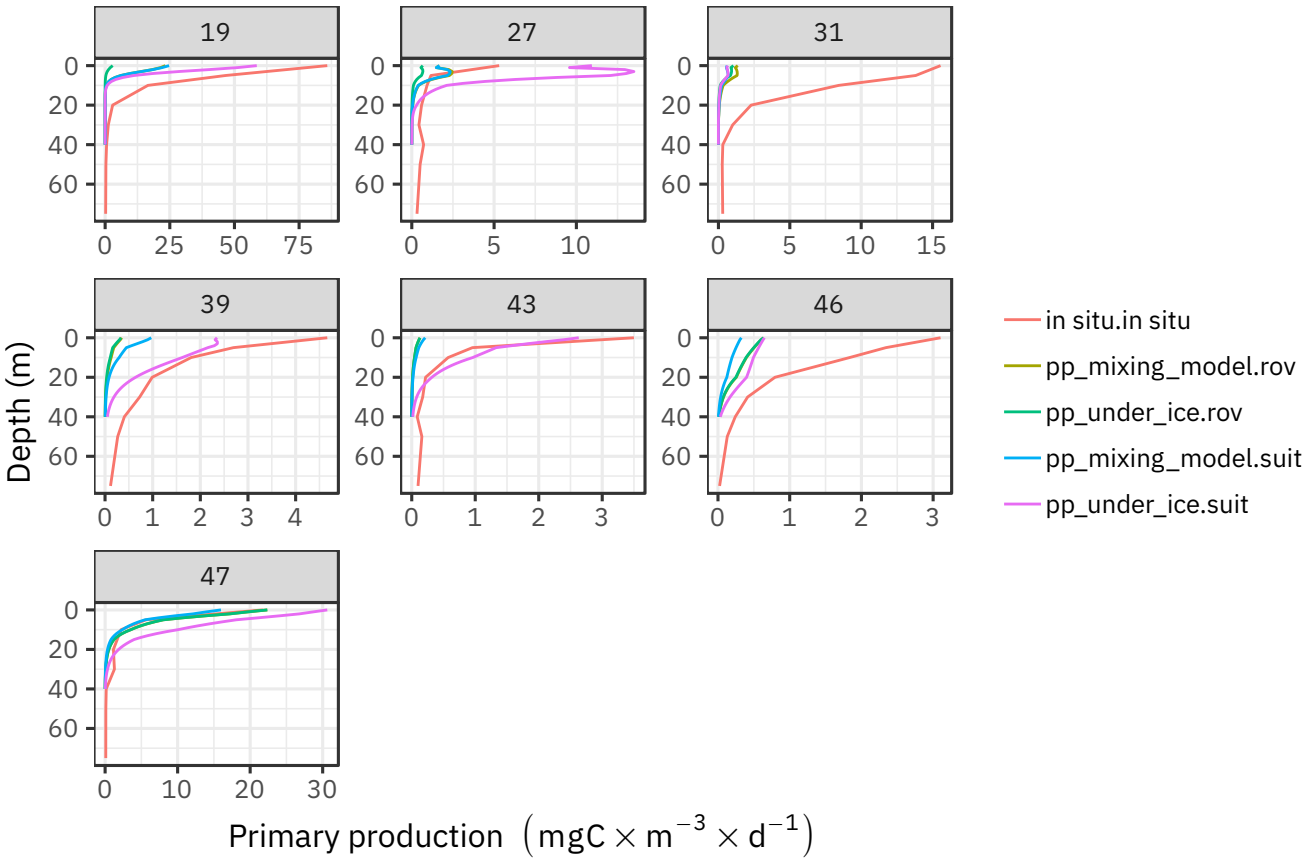

Figure 4: Vertical profiles of daily primary production. For SUIT data, mixing models were calculated using only transmittance ≤ 0.1 whereas the under ice models were calculated using all transmittance data.