

**Table 2:** Comparison of production and export terms between the HNLC station KERFIX (this study) and the iron-fertilized productive site A3.

	KERFIX (50°40'S – 68°25'E)	A3 (50°38'S – 72°02'E)
<u>Site</u> Louanchi et al. (2001)		
Jouandet et al. (2008)		
Port Trap et al. (2000) <u>Trap depth (m)</u>	280	289
Cavagna et al. (2015)		
<u>Seasonal net primary production (mmol m<sup>-2</sup>)</u> #Rembauyille et al. (2016b)	3.1±0.9 <sup>#</sup>	6.6±2.2 <sup>†</sup>
<sup>†</sup> Rembauyille et al. (2016a)		
Maximum net primary production (mmol m <sup>-2</sup> d <sup>-1</sup> )	42 <sup>*</sup>	180 <sup>§</sup>
Annual POC export (mmol m <sup>-2</sup> yr <sup>-1</sup> )	51.6	98.2 <sup>##</sup>
Maximum POC export (mmol m <sup>-2</sup> d <sup>-1</sup> )	0.9	1.5 <sup>##</sup>
Annual BSi:POC molar ratio	2.3	1.2 <sup>††</sup>
Annual PIC export (mmol m <sup>-2</sup> yr <sup>-1</sup> )	7.7	6.6 <sup>**</sup>
Major diatom species	<i>Fragilariaopsis kerguelensis</i> (50-80%)	<i>Chaetoceros Hyalochaete</i> (20-80%)