Tables

Table 1: Net freezing integrated over the subdomains indicated in Figure 6a for the model run with tides, the control run without tides and the differences between them (km^3 $year^{-1}$). Also shown in brackets is the ice thickness increase brought about by this amount of net freezing when averaged over each subdomain (m $year^{-1}$).

Table 2: Net melting integrated over the subdomains indicated in Figure 6a for the model run with tides, the control run without tides and the differences between them (km^3 $year^{-1}$). Also shown in brackets is the ice thickness decrease brought about by this amount of net melting when averaged over each subdomain (m $year^{-1}$).

Table 1

Net Freezing	With tides **km^3 $year^{-1}$** (m $year^{-1}$)	Without tides **km^3 $year^{-1}$** (m $year^{-1}$)	Difference **km^3 $year^{-1}$** (m $year^{-1}$)
Pechora Sea	**206**	**198**	**8**
	(0.80)	(0.77)	(0.03)
Kara Sea	**1154**	**1159**	**-5**
	(1.16)	(1.17)	(0.01)
White Sea	**39**	**39**	**0**
	(0.55)	(0.55)	(0.00)
Svalbard	**149**	**156**	**-7**
	(0.55)	(0.57)	(-0.02)
Barents Sea	**384**	**381**	**3**
	(0.20)	(0.20)	(0.00)
Deep	**869**	**909**	**-40**
	(0.68)	(0.72)	(-0.04)

Table 2

Net melting	With tides **km^3 $year^{-1}$** (m $year^{-1}$)	Without tides **km^3 $year^{-1}$** (m $year^{-1}$)	Difference **km^3 $year^{-1}$** (m $year^{-1}$)
Pechora Sea	**155** (0.60)	**153** (0.59)	**2** (0.01)
Kara Sea	**1113** (1.12)	**1117** (1.13)	**-4** (-0.01)
White Sea	**38** (0.53)	**40** (0.56)	**-2** (-0.03)
Svalbard	**362** (1.33)	**336** (1.23)	**26** (0.10)
Barents Sea	**1063** (0.56)	**1024** (0.54)	**39** (0.02)
Deep	**6596** (5.19)	**6423** (5.05)	**173** (0.14)