

S1 Table. Day of sea ice breakup for each station per year.

Transect	Station	2013	2014	2015	2016	2017	2018	2019
DBO1	SLIP-1	148	131	117	113	121	-	85
	SLIP-2	148	131	117	113	121	-	85
	SLIP-3	150	113	117	112	114	79	87
	SLIP-4	163	112	117	111	111	82	88
	SLIP-5	159	112	116	111	113	81	87
DBO2	BCL-6A	<i>154</i>	152	117	131	102	84	118
	BCL-6C	<i>136</i>	<i>140</i>	<i>127</i>	122	105	90	118
	UTBS-5	137	140	129	125	108	90	125
	UTBS-4	137	140	129	125	106	90	119
	UTBS-2	149	143	129	124	115	90	130
	UTBS-2A	<i>147</i>	<i>143</i>	<i>141</i>	119	125	107	92
	UTBS-1	149	144	130	123	121	108	129
	DBO2.7	<i>148</i>	<i>145</i>	<i>142</i>	119	128	112	<i>93</i>

The sea ice breakup dates are expressed in Day of Year (DOY). Italicized dates are based on 2017 point location as a baseline because in situ samples were not gathered at the corresponding station.