



Down-fjord velocity  
( $\text{cm s}^{-1}$ )

Total melt per unit depth  
( $\text{m}^2 \text{s}^{-1}$ )

Salinity  
(-)

Temperature  
( $^{\circ}\text{C}$ )

Depth (m)

0  
2

0.0  
0.5  
1.0

32  
33

0  
1  
2

100

200

300

(e)

(f)

(g)

(h)

Mélange-wide mean or integral ( $x < 0$ )

Initial S

Dilution by  
meltwater

Initial T

Heat lost to  
melting ice