**Table 1.** Glacier velocities derived from stake measurements. <sup>a)</sup> dGPS measurements with an accuracy of  $\pm$  5 cm, and <sup>b)</sup> single-frequency GPS measurements with an accuracy  $\pm$  5 m.

Glacier	Stake	Period of stake measurements	Annual Velocity
Hansbreen	$\mathbf{Z}^{\mathrm{a}}$	August 2013 -August 2014	139 m a <sup>-1</sup>
Storbreen	R <sup>b</sup>	August 2013 - August 2014	19 m a <sup>-1</sup>
Hornbreen	$T^{b}$	August 2014 - August 2015	70 m a <sup>-1</sup>
Hornbreen	$U^b$	August 2014 -August 2015	460 m a <sup>-1</sup>