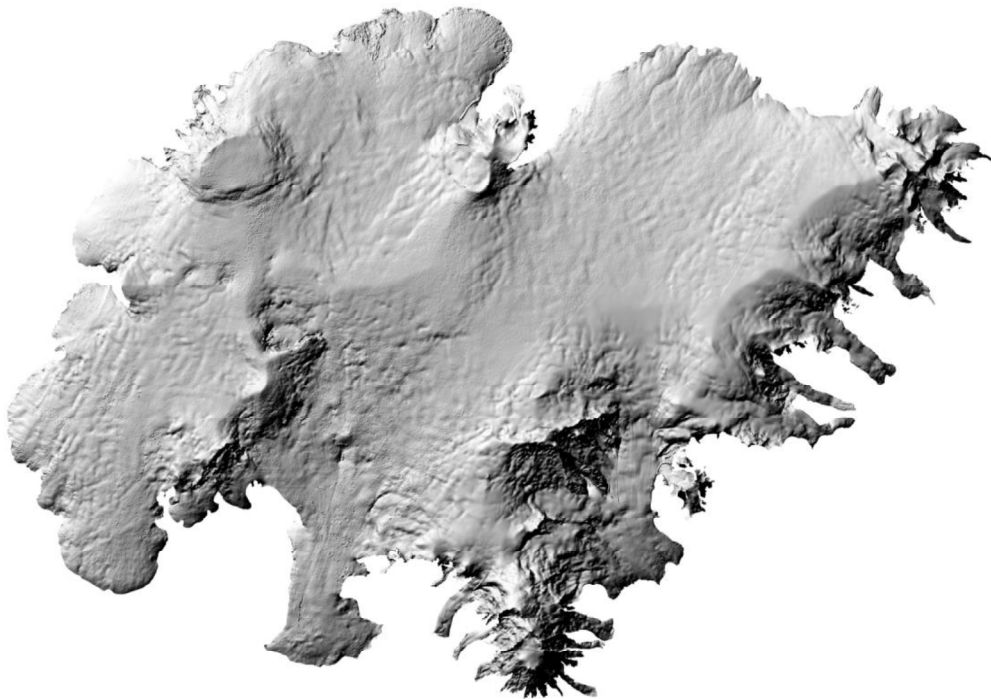


VATNAJÖKULL:
Mass balance, meltwater drainage
and surface velocity of
the glacial year 2014_15



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RH-06-2015

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1. INTRODUCTION

In 1992 (glacial year 1991_1992) a program of mass balance measurements was started for Vatnajökull by the Science Institute University of Iceland (now Institute of Earth Sciences, IES) in collaboration with the National Power Company (NPC). For the first year the program was limited to the western part of the glacier, but then expanded to include the northern outlets as well. In 1996 this study was further expanded to include southern outlets, with support from The European Union (Framework IV - Environment and Climate, TEMBA project 1996-1997). This program was extended 1998–2000 with further support from EU (Framework IV - Environment and Climate, ICEMASS project, 1998-2000). In 2000-2002 NPC and IES continued the program. In 2003-2005 IES participated in a multinational research project, which was financially supported by The European Union (EVK2-CT-2002-00152 SPICE). IES was responsible for obtaining data sets for calibration of models of the mass balance and dynamics of Vatnajökull. This work was also supported by The National Power Company of Iceland and The National Road Authority, and is a continuation of the TEMBA-project of 1996-97 and ICEMASS project 1998-2001.

In 2013-2014 IES and NPC continued a similar program. Mass balance measurements on the southeast outlets Breiðamerkurjökull and Hoffellsjökull is financially supported by the National Road Authority.

The aim of the collaborative work of NPC and IES is to improve our understanding of the mass balance and melt water runoff from glaciers. This work in combination with energy balance measurements by NPC and IES on Vatnajökull will be used for calibration of models of the energy and mass balance of Vatnajökull.

This report describes the field measurements, GPS survey, the mass balance and melt water runoff for the glacial year 2014_15.

2. DIARY

April 4; installation of melt wires, maintenance of AWSs on Breiðamerkurjökull

May 7 - 16: measurements of the winter balance

June 2 - 10: measurements of the winter balance.

September 6; summer balance measurements, maintenance of AWSs on Breiðamerkurjökull

October 22-28: summer balance measurements.

In all expeditions and short visits to the glacier the locations of mass balance stakes were measured with Kinematic GPS (or fast static GPS and a few with DGPS) for surface velocity calculation.

The following members of staff of the Institute of Earth Sciences, University of Iceland, carried out the fieldwork on Vatnajökull: Finnur Pálsson, Þorsteinn Jónsson, Sveinbjörn Steinþórsson also Andri Gunnarsson (National Power Company) and Hlynur Skagfjörð Pálsson (Reykjavík Rescue Team).

Members of the Iceland Glaciological Society assisted in the June fieldwork.

3. MASS BALANCE MEASUREMENTS

The purpose of the mass balance measurements is to describe the temporal and spatial distribution of the components of the mass balance. The mean annual values of the components and their variation from year to year are analyzed and related to meteorological conditions and climatic variability. The results will be used in studies of changes in the glacier volume, estimates of meltwater contribution to glacial rivers, mass balance modeling, evaluation of altitudinal and regional variations of mass balance in response to climatic variations, and to assess the hydrometeorological and dynamic response of the ice cap to climate change.

The mass balance was determined by a stratigraphic method, measuring changes in thickness and density relative to the summer surface. The winter balance was estimated by drilling ice cores through the winter layer in the spring. Ablation was monitored from markers; snow stakes were put up on the glacier and wires were drilled down in the ablation area. The summer balance was measured in the autumn.

3.1 Methods

Measurements of the surface mass balance on a large ice cap like Vatnajökull are impractical in terms of cost with conventional techniques and sampling density that are typically used on small glaciers. The spatial variability of the mass balance may, however, be predictable on the flat large outlets of such an ice cap given data on several profiles extending over the elevation range of the glacier. The precipitation generally increases with elevation and decreases with the distance from the coast, but both the distribution of snowfall and

redistribution of snow by drift depend on the prevailing wind direction during the winter. The summer melting depends mainly on the altitude and the albedo of the glacier surface. Therefore, we have used observations along a limited number of flowlines, which span the elevation range of the outlets to assess aerial estimates of surface mass balance. Each profile describes the variation with elevation, but together they also describe the lateral variation of the mass balance. Recently, modern over-snow vehicles and helicopters have allowed fast traverses to ensure successful fieldwork in spite of frequently poor weather conditions. The error for individual point measurement is estimate $\sim 30 \text{ cm}_{\text{we}}$ for both summer and winter balance. The error for the area integral of mass balance is however considered smaller, since the error for individual survey sites is independent.

The winter mass balance (b_w) is defined as the mass of snow accumulated during the winter months, the summer balance (b_s) is the mass balance during the summer, and the net balance (b_n) is defined as their sum. The specific mass balance is expressed in terms of the equivalent thickness of water. All mass balance components apply to a time interval between given measurement dates, which are not fixed from one year to another. The dates in the autumn are separated by approximately one calendar year, which roughly coincides with the glaciological year defined as October 1st to September 30th. Snow cores are drilled in April-May through the winter layer and profiles of the density are measured. The summer balance is derived in the autumn from measurements of the changes in the snow core density during the summer in the accumulation area and from readings at stakes and wires drilled into the ice in the ablation areas.

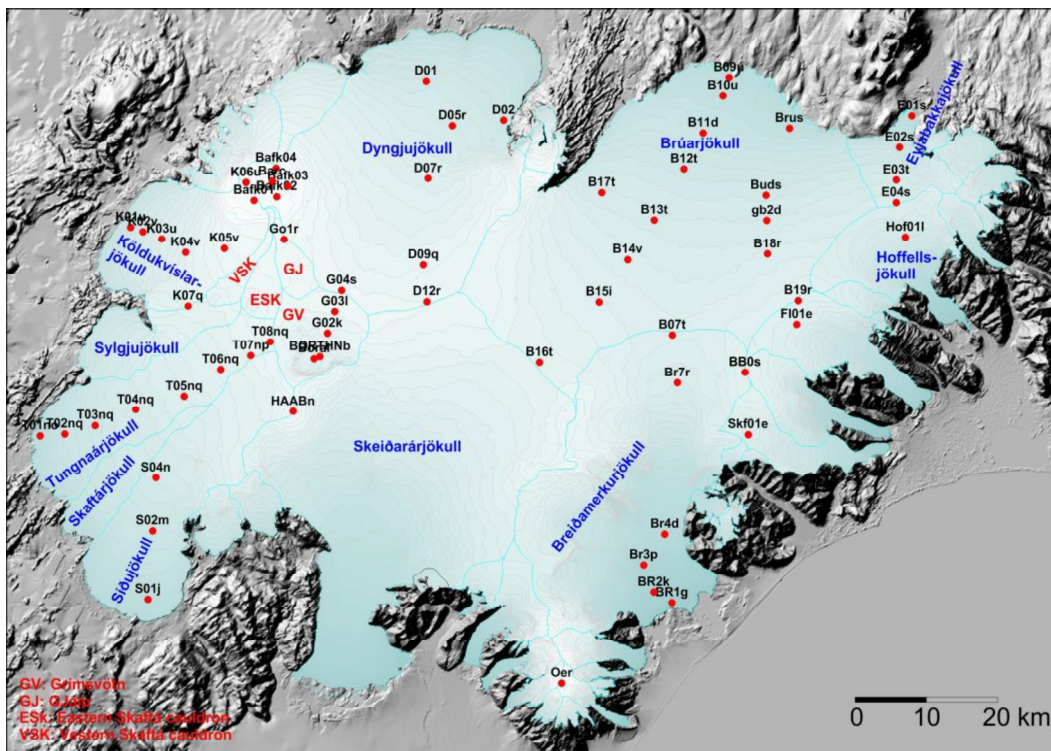


Figure 1. Outlets of Vatnajökull and location of mass balance survey sites 2014_15.

Digital maps are created for winter, summer and net balance for the whole ice cap based on site measurements. The mass balance is calculated over both the ice and water drainage basins. The summer balance over the water basin is an estimate of meltwater contribution to rivers and groundwater storage. This estimate, however, does not include precipitation that falls as rain on the glacier or snow, which falls and melts during the summer. The meltwater contribution is compared with river runoff at stream flow gauges closest to the glacier. For this comparison, we define the glaciological year from the start of October to the end of September and the period draining meltwater from the glacier during the summer from June through September. It would be misleading to include May in the summer period because runoff from the glacier melt in May is delayed due to refreezing during elimination of the cold wave.

3. 2 Results of mass balance measurements.

Mass balance measurements were done at 67 sites in spring 2015 (Fig. 1). The specific mass balance at individual sites is shown in Fig. 2. Most sites are on central flow lines at individual outlets. The specific mass balance along approximate flow lines is given in Fig 3. for the glacier outlets: Síðujökull, Tungnaárjökull, Köldukvíslarjökull, Dyngjujökull, Brúarjökull (west and east), Eyjabakkajökull, Hoffellsjökull and Breiðamerkurjökull.

Digital maps for winter, summer and net balance are shown in Figure 4. Although no balance measurements are available for Skeiðarárjökull, the balance has been estimated by interpolating the balance values from the neighboring outlets, based on our experience from previous years. The mass balance of individual outlet is discussed in the following subsections.

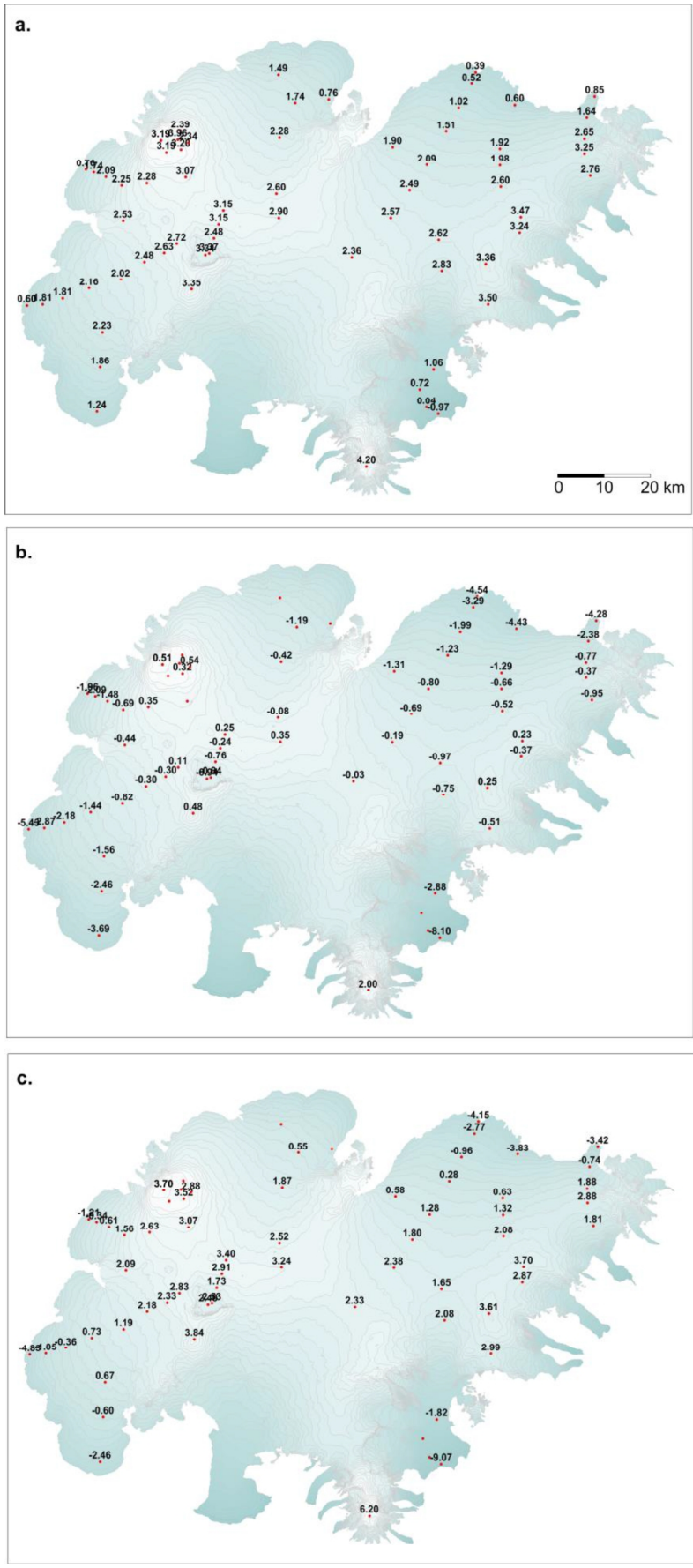


Figure 2. Maps showing point values of specific mass balance in m water equivalent (m_{we}), 2014_15. a. winter, b. summer, c. net balance.

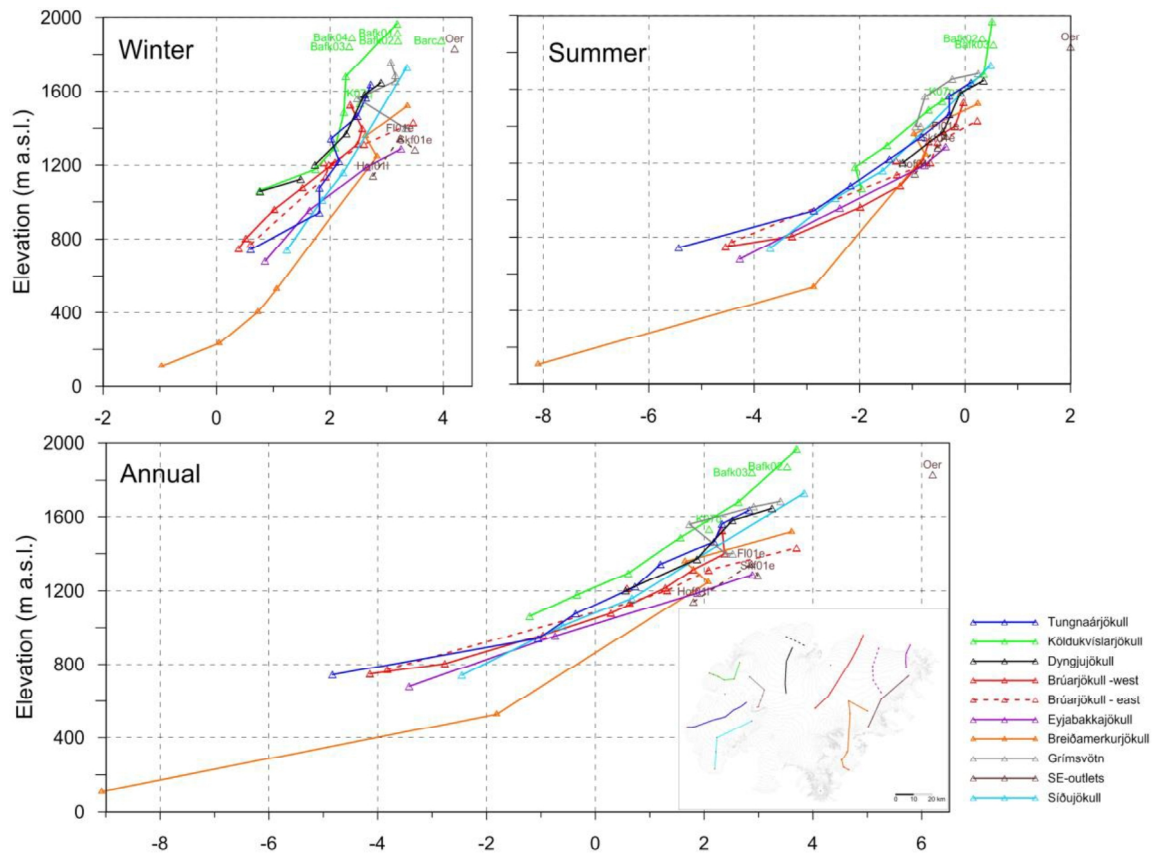


Figure 3a. Specific mass balance (m_{we}), along all mass balance profiles 2014_15.

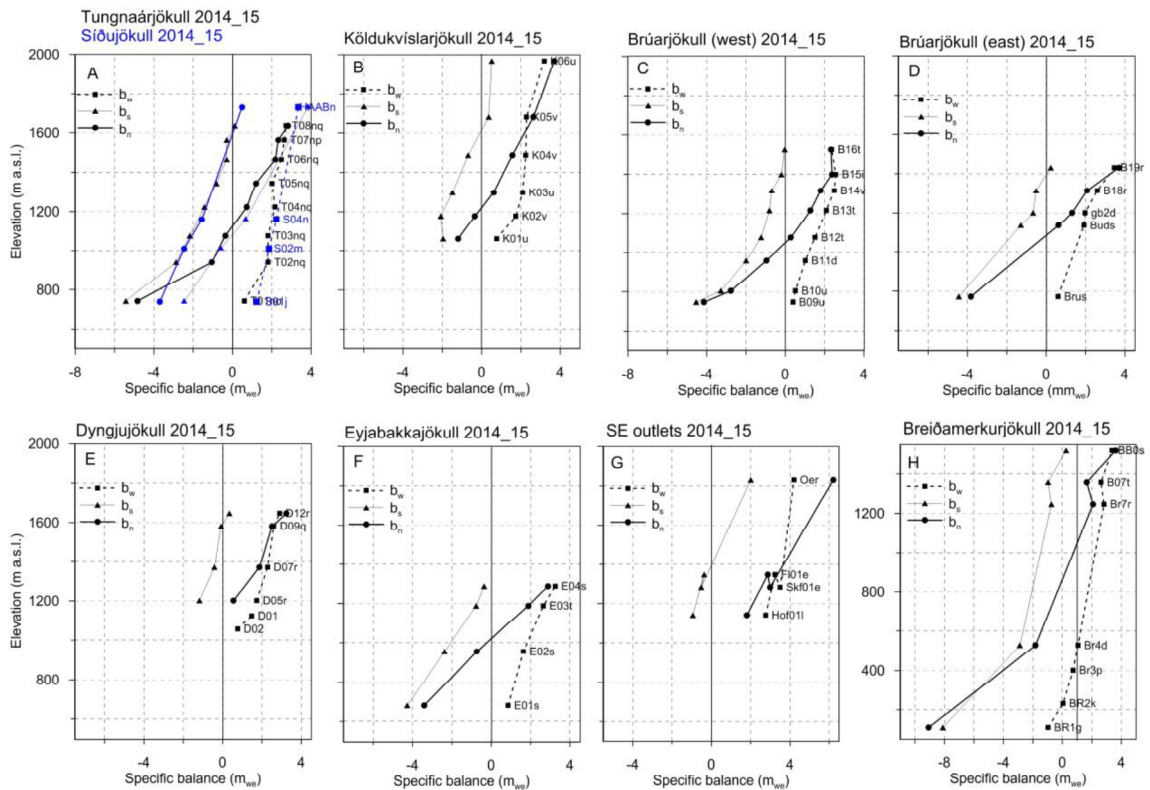


Figure 3b. Specific mass balance (mm_{we}) 2014_15 as a function of elevation on central flow lines on Vatnajökull outlets.

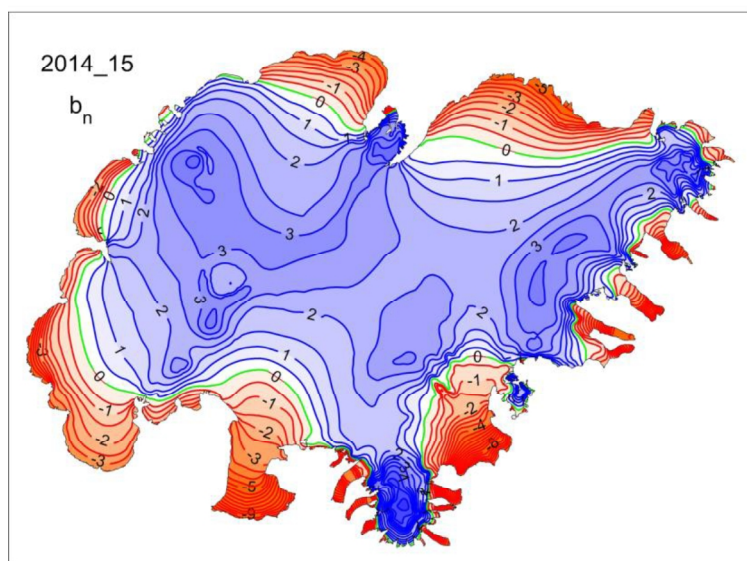
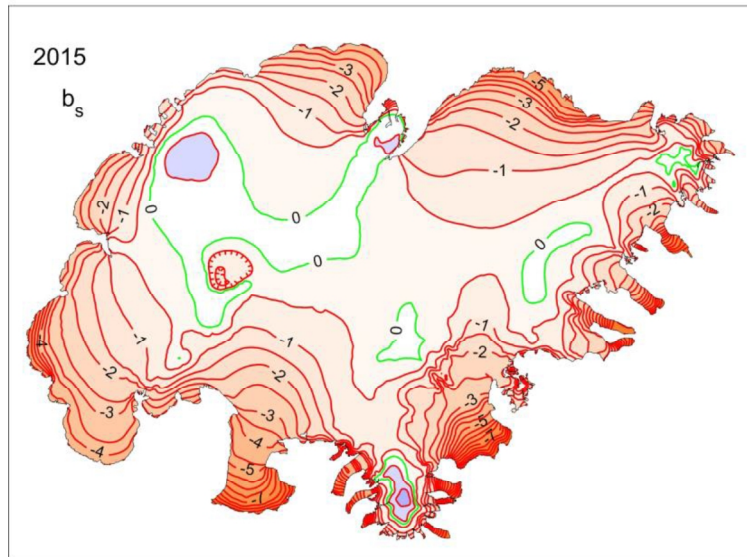
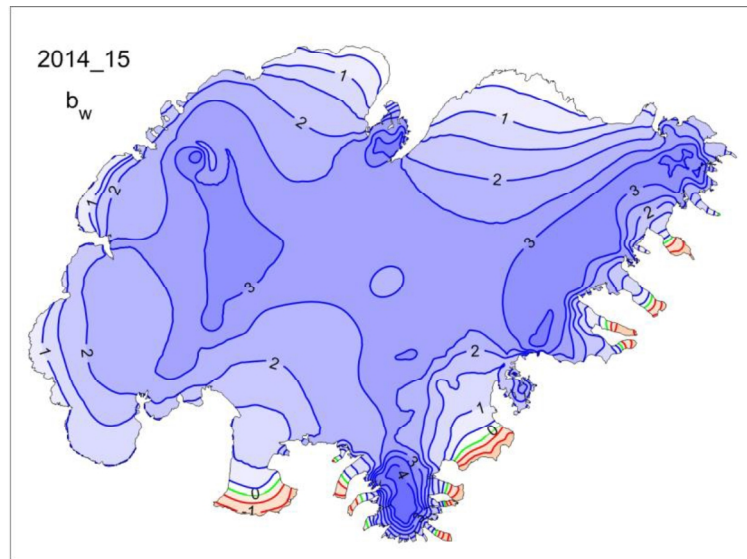


Figure 4. Specific mass balance (m_{we}) maps of Vatnajökull 2014_15. Top: winter, Centre: summer, Bottom: net balance.

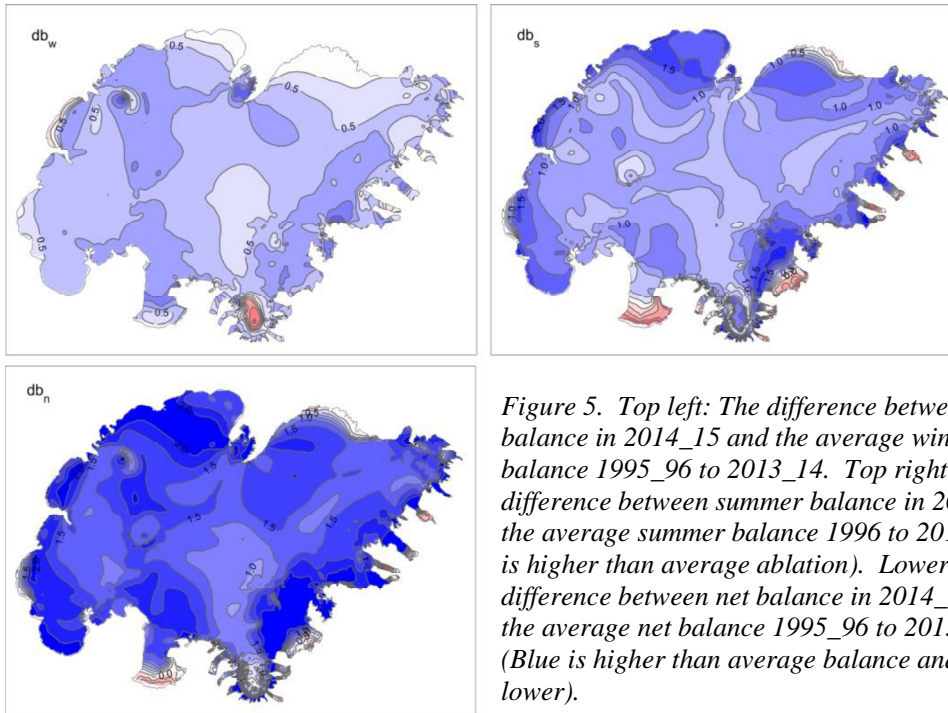


Figure 5. Top left: The difference between winter balance in 2014_15 and the average winter balance 1995_96 to 2013_14. Top right: The difference between summer balance in 2015 and the average summer balance 1996 to 2014. (Red is higher than average ablation). Lower left: The difference between net balance in 2014_15 and the average net balance 1995_96 to 2013_14. (Blue is higher than average balance and red lower).

A DEM of Vatnajökull mostly based on SPOT5 satellite images in 2010, and partly from LiDAR survey 2010, is used for surface area distribution and delineation of ice divides for individual outlets and catchments.

The autumn weather was slightly colder than average the past decade; October rather dry but precipitation in November well over the average in the S and SE. The winter months in Iceland December to March were colder than average, although close to average in the E. Storms were frequent (almost every 3 days) accompanied by unusually high precipitation. In these conditions snow collection is high on SE, E, and N Vatnajökull but high E and NE wind also increased snow accumulation in upper regions of NW Vatnajökull. The spring months were cold and dry, with little change on Vatnajökull, in terms of accumulation or melt.

Figure 5 (top left) shows that the winter accumulation is higher than average all over Vatnajökull. There is much thicker than average snow cover in the upper regions especially on Breiðabunga in the SE (open to SE coastal storms) and the upper regions

of Dyngjujökull and Bárðabunga (from high wind from E and NE). This reflects snowfall in SE, E, and NE wind directions.

The summer of 2015 was unusually cold in SE-Iceland, also very wet and cloudy in June and July. Inspection of the MODIS monthly overview of the summer months in Appendix F shows that days with clear skies over Vatnajökull were ~3 in June, 2 in the first half of July, but ~5 days in the latter half of the month (none totally cloud free, most with haze). In August clear sky was more frequent especially in the north, ~4 days, in warm weather (again, none totally cloud free, most with haze).

September was warm and rather dry in the east, ablation was significant until mid October. As indicated in Fig 5, top right, ablation rates were lower than average almost everywhere, far under average during the May-July months. But in the mild, even warm, and windy late August and September partly compensated for the ablation rates were higher than average. The net balance (Fig 5 lower left) was positive in all areas except in the lower ablation areas of S and SE outlets.

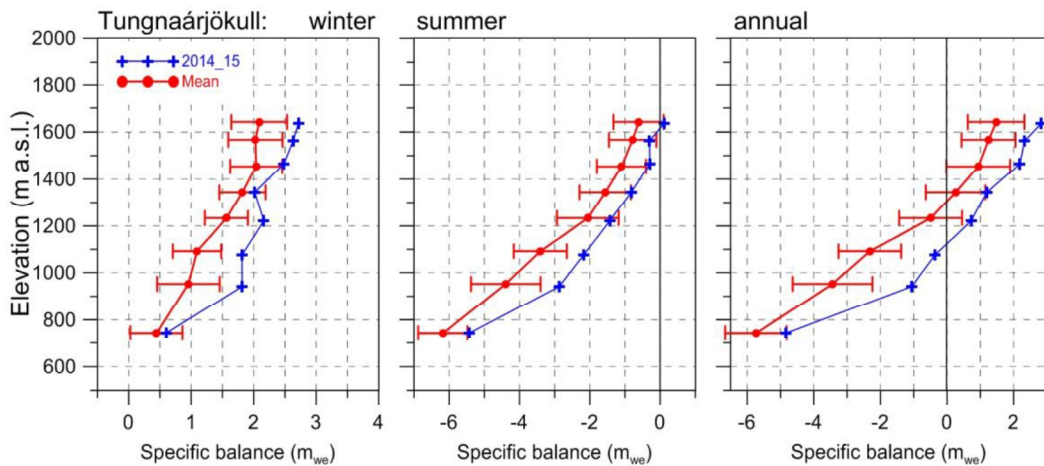


Figure 6. Mass balance at a central flow line of Tungnaárjökull 2014_15, and average mass balance 1991_92 to 2013_14.

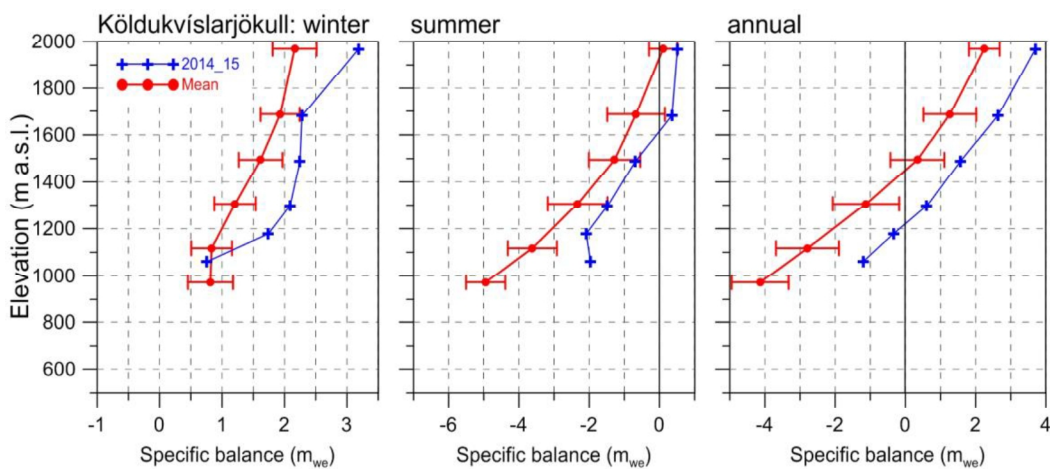


Figure 7. Mass balance at a central flow line of Köldukvíslarjökull 2014_15, and average mass balance 1991_92 to 2013_14.

3.2.1 Tungnaárjökull.

Area = 341 km²
 $B_w = 0,67 \text{ km}^3_{we}$; $b_w = 1,96 \text{ m}_{we}$
 $B_s = -0,60 \text{ km}^3_{we}$; $b_s = -1,77 \text{ m}_{we}$
 $B_n = 0,07 \text{ km}^3_{we}$; $b_n = 0,19 \text{ m}_{we}$
 ELA = 1125 m a.s.l. (at profile)
 AAR = 61 %
 (The terms are defined at the foot of this page)

Variation of mass balance along a central flow line on Tungnaárjökull is shown in Fig. 6. The winter accumulation was more than ~1 st.dev. higher than average at all survey sites. Total winter balance was 32% over average, even though western Vatnajökull was somewhat shadowed by the topography in the prevailing precipitation direction from SE to NE,

Summer melting was over 1st.dev less than average at all survey sites, and accumulation more than the melt at the highest sites. The summer balance was 68% of the average during the survey period. The net balance was positive for the first time in two decades; now +1,25 m_{we} higher than average during the survey.

3.2.2 Köldukvíslarjökull

Area = 298 km²
 $B_w = 0,61 \text{ km}^3_{we}$; $b_w = 2,06 \text{ m}_{we}$
 $B_s = -0,29 \text{ km}^3_{we}$; $b_s = -0,99 \text{ m}_{we}$
 $B_n = 0,32 \text{ km}^3_{we}$; $b_n = 1,07 \text{ m}_{we}$
 ELA = 1220 m a.s.l. (at profile)
 AAR = 74 %

B_w, B_s and B_n are water equivalent volumes of winter, summer and net balance, ELA the equilibrium line altitude, and AAR is the accumulation area ratio.

Variation of mass balance along a central flow line on Köldukvíslarjökull is shown in Fig. 7. Accumulation was far over 1 st. dev. more than average except the lowest survey site, where it was close to average. The winter balance was about 40% higher than average since 1991_92. Summer melting was over 1st.dev less than average at all survey sites, and summer snow accumulation more than the melt at the highest sites. The summer balance was only 50% of the average during the survey period. The net balance was positive for the first time in 20 years; now +1,55 m_{we} higher than average during the survey period.

3.2.3 Dyngjujökull

Area = 1059 km²
 $B_w = 2,35 \text{ km}^3_{we}$; $b_w = 2,22 \text{ m}_{we}$
 $B_s = -0,80 \text{ km}^3_{we}$; $b_s = -0,75 \text{ m}_{we}$
 $B_n = 1,56 \text{ km}^3_{we}$; $b_n = 1,47 \text{ m}_{we}$
 ELA = 1130 m a.s.l. (at profile)
 AAR = 79 %

Variation of mass balance along a flow line on Dyngjujökull is shown on Fig. 8. Mass balance is not measured at the lowest elevations, but assumed to be correlated (as a function of elevation) to that of Brúarjökull and Köldukvíslarjökull. The winter balance

in 2014_15 was more than 1.5 st. dev. over average at all sites except the lowest. Inspection of the winter Modis images shown in appendix F suggest that at the glacier snout snow cover was very thin, In total the winter balance was ~40% over average.

Summer melting was over 1st.dev less than average at all survey sites, and summer snow accumulation more than the melt at the highest site. The summer balance was only 47% of the average during the survey period. The net balance was positive by 1.47 m_{we} , now +1,50 m_{we} higher than average during the survey. The extremely high AAR of 79% reflects this.

Dyngjujökull has often had mass balance close to zero, and the net balance has been slightly positive in some years of the two decade period of continuous mass loss for Vatnajökull as a whole.

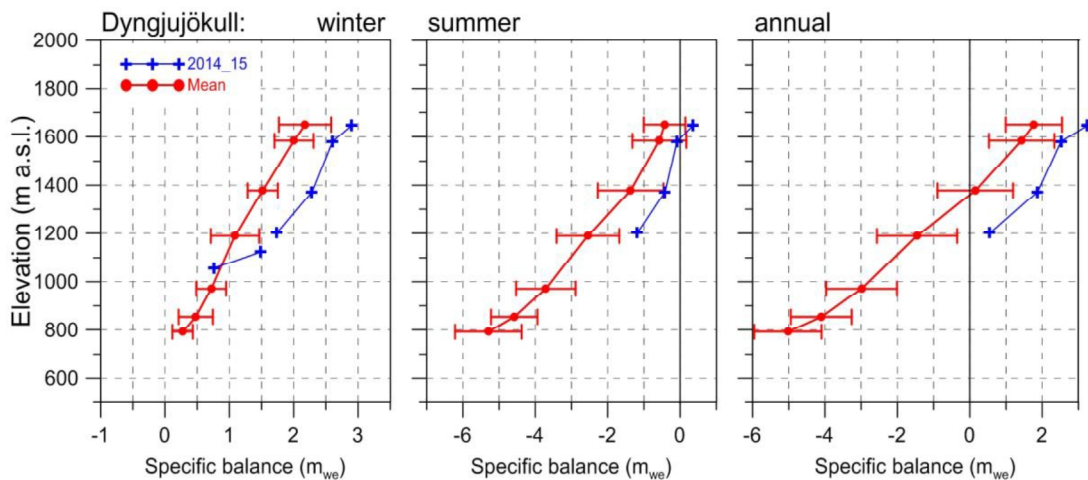


Figure 8. Mass balance at a central flow line on Dyngjujökull 2014_15, and average mass balance 1991_92 to 2013_14 (except 1998_99 – 2003_04 at all but the top elevation).

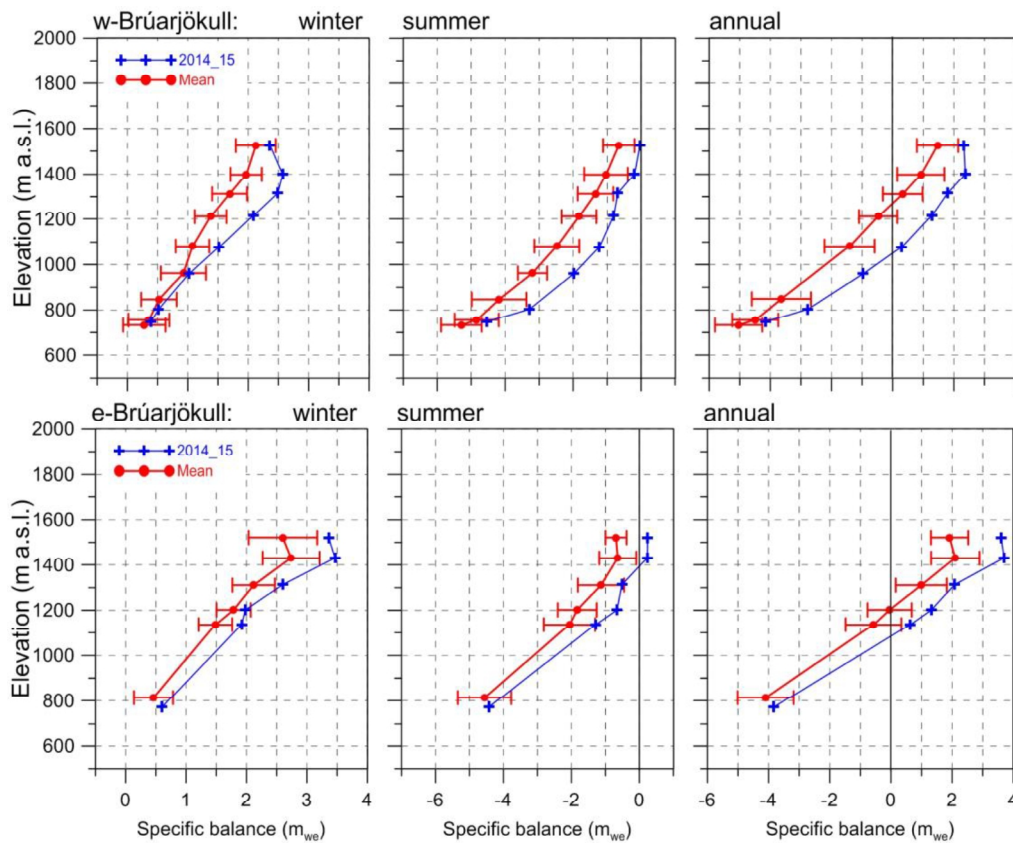


Figure 9. Mass balance at two flow lines on Brúarjökull 2014_15, and average mass balance 1992_93 to 2013_14.

3.2.4 Brúarjökull

Area = 1524 km²

$B_w = 3,18 \text{ km}^3_{we}$; $b_w = 2,09 \text{ m}_{we}$

$B_s = -1,59 \text{ km}^3_{we}$; $b_s = -1,04 \text{ m}_{we}$

$B_n = 1,59 \text{ km}^3_{we}$; $b_n = 1,04 \text{ m}_{we}$

ELA = 1210 m a.s.l. (western flow line)

ELA = 1050 m a.s.l. (eastern flow line)

AAR = 77 %

Variation of mass balance along two flow lines on Brúarjökull is shown on Fig. 9. Accumulation was far over 1 st. dev. more than average except the lower survey sites on the western survey line, where it was close to average. The winter balance was about 33% higher than average since 1991_92. Summer melting was over 1st.dev less than average at all survey sites, and summer snow accumulation more than the melt at the highest sites.

The summer balance was only 55% of the average during the survey period. The thick snow cover in the ablation zone, delayed ablation in the ablation zone, but this effect was to a large extent compensated by weather favorable to ablation in August and September. The net balance was positive, now by +1,36 m_{we} higher than average during the survey period.

During the survey period, there have been 6 years of positive balance, 17 years with negative balance.

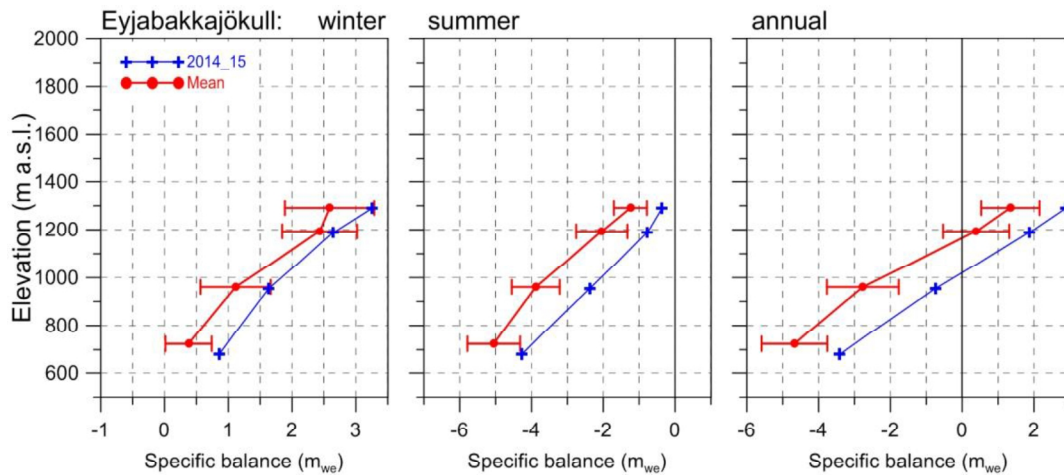


Figure 10. Mass balance at a central flow line of Eyjabakkajökull 2014_15 and average mass balance 1995_96 to 2013_14.

3.2.5 Eyjabakkajökull

Area = 112 km²
 $B_w = 0,26 \text{ km}^3_{we}; b_w = 2,26 \text{ m}_{we}$
 $B_s = -0,17 \text{ km}^3_{we}; b_s = -1,53 \text{ m}_{we}$
 $B_n = 0,08 \text{ km}^3_{we}; b_n = 0,73 \text{ m}_{we}$
 ELA = 1020 m a.s.l. (at profile)
 AAR = 65 %

Variation of mass balance along a central flow line on Eyjabakkajökull is shown on Fig. 10. Accumulation was close to 1 st. dev. more than average. The winter balance was about 26% over average since 1991_92. Summer melting was over 1st.dev less than average at all survey sites. The summer balance was only 57% of the average

during the survey period. The net balance was positive for the third time during the two decade survey period, now by +1,63 m_{we} higher than average.

3.2.6 Breiðamerkurjökull

Area = 938 km²
 $B_w = 2,00 \text{ km}^3_{we}; b_w = 2,14 \text{ m}_{we}$
 $B_s = -1,49 \text{ km}^3_{we}; b_s = -1,59 \text{ m}_{we}$
 $B_n = 0,51 \text{ km}^3_{we}; b_n = 0,55 \text{ m}_{we}$
 ELA = 870 m a.s.l. (at profile)
 AAR = 69 %

Variation of mass balance along a central flow line on Breiðamerkurjökull is shown on Fig. 11.

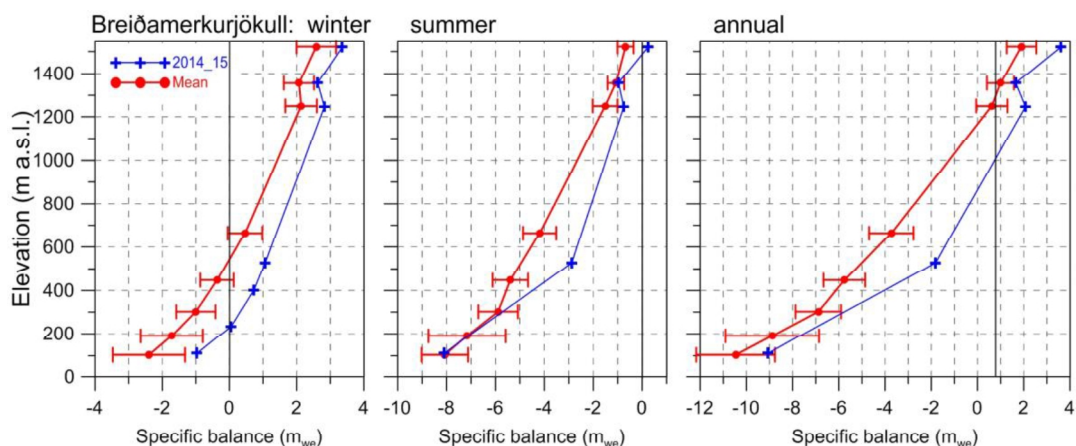


Figure 11. Mass balance at a central flow line of Breiðamerkurjökull 2014_15, and average mass balance 1995_96 to 2013_14.

Accumulation was over 1 st. dev. more than average, close to 2 st.dev. at the centre elevations, and winter ablation similarly less. The winter balance was about 49% close to at the lowest sites, but about 2 st.dev. less than average at the centre where the winter snow cover was by far thicker than average. The summer balance was only 62% of the average during the survey period. The net balance least negative for the 2 decade survey period, only 48% of the average.

3.2.7 Síðujökull

Area = 424 km²
 $B_w = 0,86 \text{ km}^3_{we}; b_w = 2,02 \text{ m}_{we}$
 $B_s = -0,81 \text{ km}^3_{we}; b_s = -1,90 \text{ m}_{we}$
 $B_n = 0,07 \text{ km}^3_{we}; b_n = 0,12 \text{ m}_{we}$
 ELA = 1080 m a.s.l. (at profile)
 AAR = 53 %

Variation of mass balance along a central flow line on Síðujökull is shown on Fig. 12.

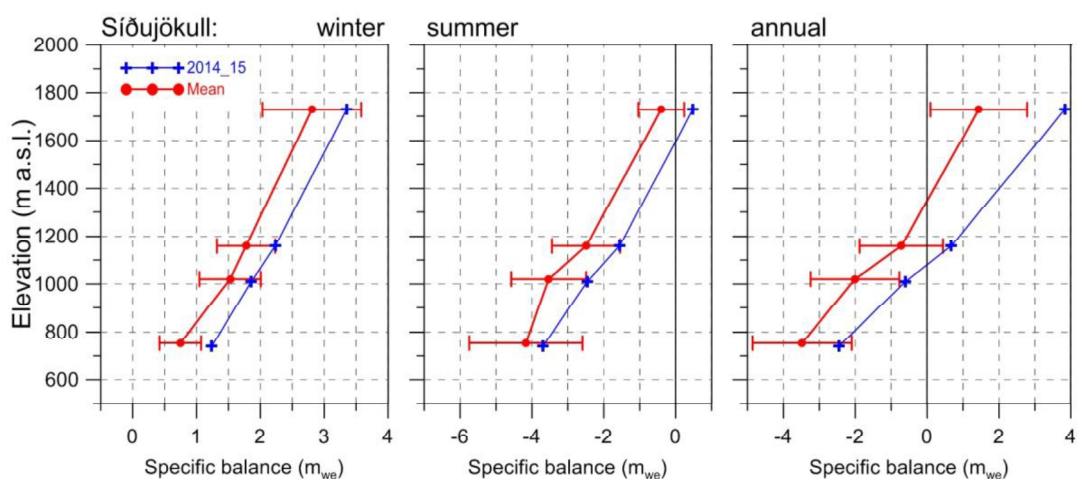


Figure 12. Mass balance at a central flow line of Síðujökull 2014_15, and average mass balance 2004_05 to 2013_14.

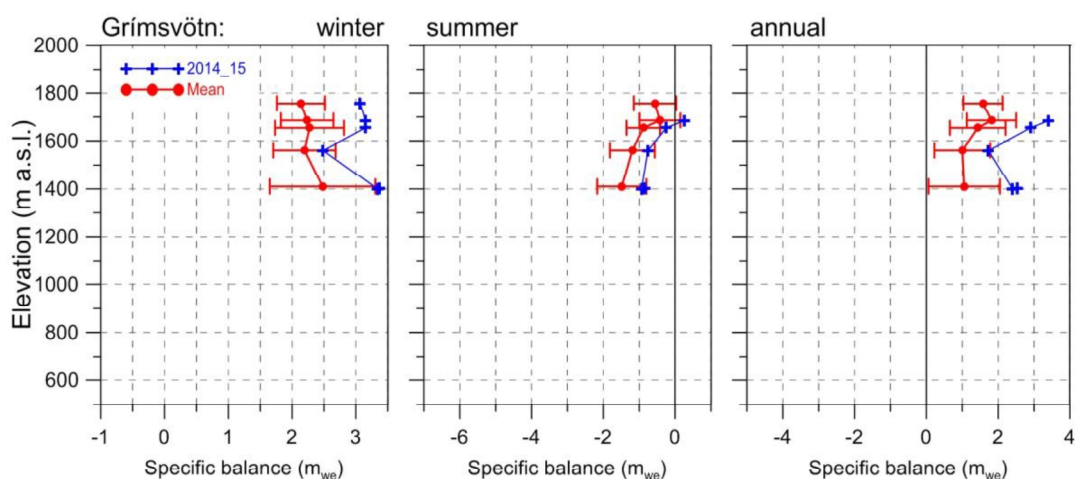


Figure 13. Mass balance at a central flow line towards Grímsvötn 2014_15, and average mass balance 1991_92 to 2013_14.

Snow accumulation was about 1 st. dev higher than average of at all sites. SE wind directions did reach there. The total winter balance was 33% over the average (past decade). Summer melting was over 1st.dev less than average at all survey sites, except the lowest, and summer snow accumulation more than the melt at the highest sites. The summer balance was only 65% of the average during the survey period. The net balance was positive for first time during the 11 year survey period by +1,53 m_{we} higher than average.

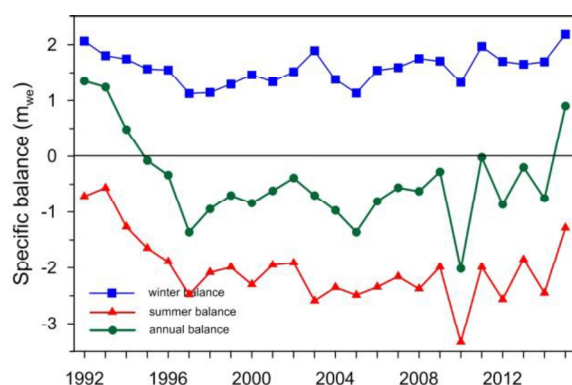


Figure 14. Specific mass balance record for Vatnajökull 1991_92 – 2014_15.

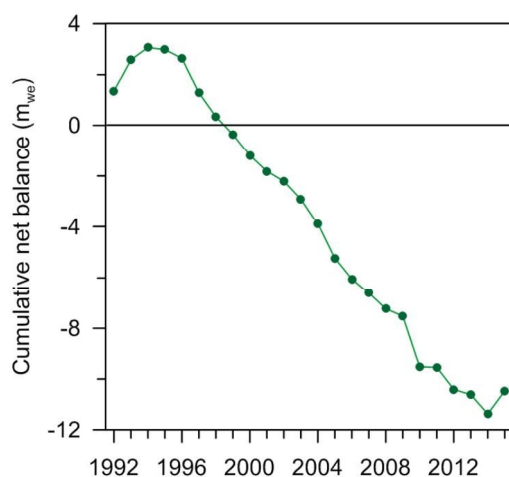


Figure 15. Cumulative specific mass balance of Vatnajökull 1991_92 – 2014_15.

3.2.6 Grímsvötn-Gjálp

$$\begin{aligned} \text{Area} &= 174 \text{ km}^2 \\ B_w &= 0,43 \text{ km}^3_{\text{we}}; b_w = 3,18 \text{ m}_{\text{we}} \\ B_s &= -0,05 \text{ km}^3_{\text{we}}; b_s = -0,36 \text{ m}_{\text{we}} \\ B_n &= 0,38 \text{ km}^3_{\text{we}}; b_n = 2,82 \text{ m}_{\text{we}} \end{aligned}$$

Variation of mass balance close to a central flow line from Bárðarbunga towards Grímsvötn center is shown in Fig. 13. Snow accumulation was about 1 to 2 std. dev. over the average at all survey sites. The winter balance was 39% higher than average. Summer balance ~1 st. dev. less negative than average at the lower survey, but positive (more snowfall than melt during the summer) the summer. The net balance was positive, as almost always, by 54% over the average of the survey period.

3.3 The mass balance record for Vatnajökull.

From the digital maps the total volumes of winter, summer and net balance for Vatnajökull (and selected outlets) have been calculated by integration (appendix D, gives balance values as a function of elevation) and are as follows:

$$\begin{aligned} B_w &= 17,37 \text{ km}^3_{\text{we}}; b_w = 2,18 \text{ m}_{\text{we}} \\ B_s &= -10,23 \text{ km}^3_{\text{we}}; b_s = -1,29 \text{ m}_{\text{we}} \\ B_n &= 7,14 \text{ km}^3_{\text{we}}; b_n = 0,89 \text{ m}_{\text{we}} \\ \text{AAR} &= 73\% \end{aligned}$$

Most of the winter was wet windy, with prevailing. The much thicker than average snow cover in the upper regions especially on Breiðabunga in the SE (open to SE coastal storms) and the upper regions of Dyngjujökull and Bárðabunga (from high wind from E and NE). This reflects snowfall in SE, E, and NE wind directions. The total winter balance was 40% higher than average (over the observation period from 1991_92, Fig. 14). The 0 mass

balance turnover for Vatnajökull (current topography) is close to $13,5 \text{ km}^3_{\text{we}}$ ($1,7 \text{ m}_{\text{we}}$) and the winter balance 2014_15 29% higher. On Vatnajökull most of the summer was cloudy and wet, August and especially September were more favorable for ablation; this and the unusually thick snow cover lead to low ablation. The total summer balance was less negative than average of the two decade survey period; only 63% of the average during the survey period. Due to a cold summer with repeated snow fall on the glacier surface, the error (under-estimate) in runoff estimation from the summer balance will be even more than average. This error can be estimated from the weather station data collected at 10 sites on Vatnajökull during the summer.

As mentioned above, 0 mass balance

turnover for Vatnajökull (current topography) is close to $13,5 \text{ km}^3_{\text{we}}$ ($1,7 \text{ m}_{\text{we}}$), the summer balance 2015 was $10,29 \text{ km}^3_{\text{we}}$ or $\sim 76 \%$ of the zero balance turnover. The net balance was positive for the first time since 1993_94, the mass change $+1,38 \text{ m}_{\text{we}}$ greater than average of the survey period since 1991_92 ($-0,49 \text{ m}$); $+1,65 \text{ m}_{\text{we}}$ greater than average of the survey period since 1995_96 ($-0,75 \text{ m}$); of the past 20 consecutive years of negative balance. This means that the mass change is equal to the glacier having an extra average winter without a consecutive summer.

The glacial year of 2014_15 was the first in two decades with positive mass balance for Vatnajökull (Fig. 14, Fig. 15). The total mass loss over the 24 year survey period is $10,46 \text{ m}_{\text{we}}$ (ice volume of $\sim 92,7 \text{ km}^3$) since 1991_92

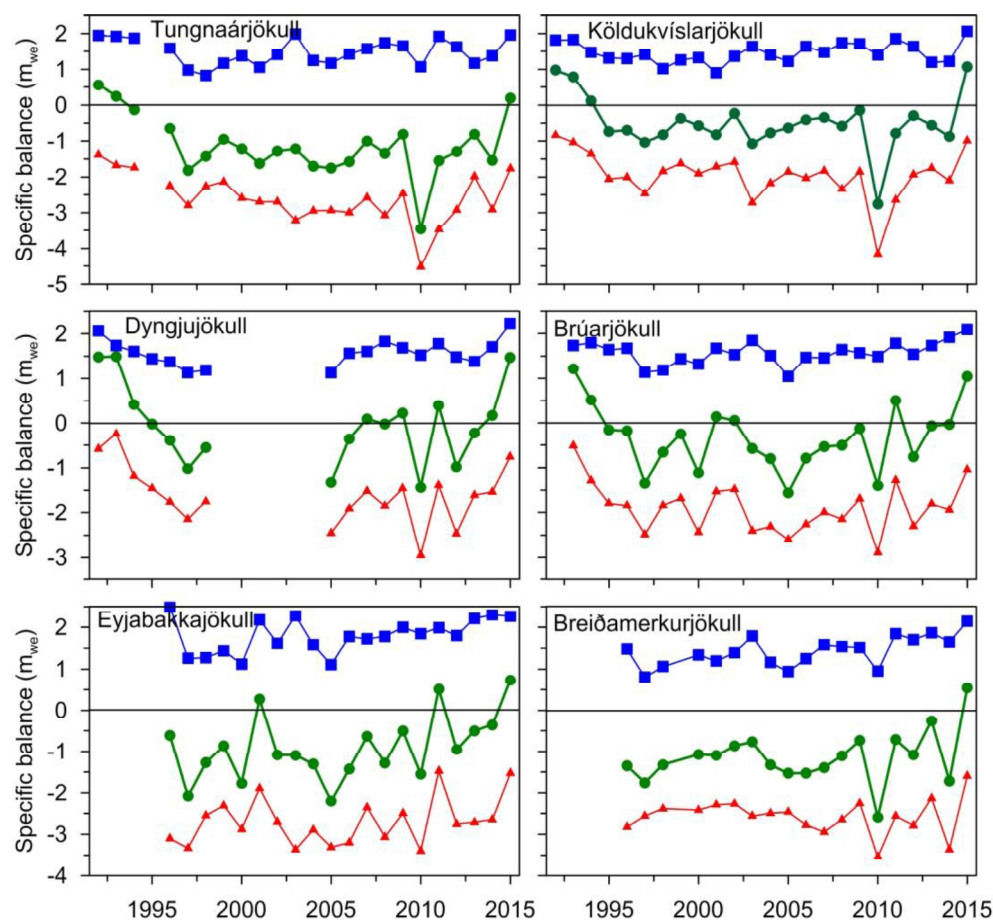


Figure 16. Specific mass balance record for Vatnajökull outlets 1991_92-2014_15.

(13.42 m_{we} (ice volume of 120.28 km^3) since 1994_95 the first year of 2 decades of negative balance).

The temporal variability of mass balance for different outlets is shown in Fig. 16. The greatest variability of the winter balance is for Eyjabakkajökull the eastern most of the studied outlets. This part of the glacier receives precipitation from all south- and east- and north-easterly wind directions, and thus has high snow accumulation in winters when the paths of the North Atlantic lows are just east of Iceland. This is also the case for the eastern part of Brúarjökull. Breiðamerkurjökull shows lowest variability in mass balance. It is a maritime glacier with climate controlled by the stable sea temperature and humid air mass. The longest winter balance records seem to reveal periodic behavior, with peaks in ~1991_92 and 2002_03 and a low in ~1998. During the period of net mass loss since 1994_95, the northern outlets have had several years of close to zero and positive mass balance.

The cumulative net balance curves for the outlets of Vatnajökull in Fig. 17 show that all outlets have been losing mass since 1994_95. The slope for mass loss is about $0,7 m_{we}a^{-1}$ for the

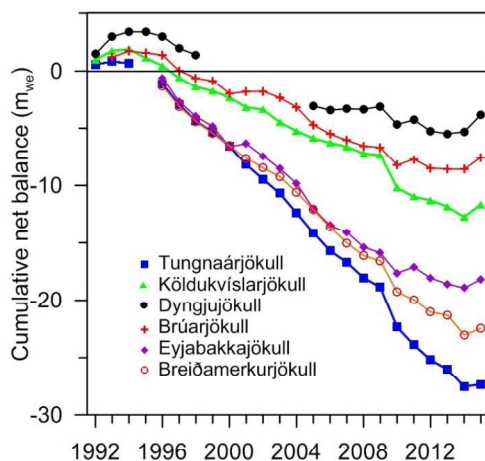


Figure 17. Cumulative specific mass balance for several of Vatnajökull outlets 1991_92 – 2014_15.

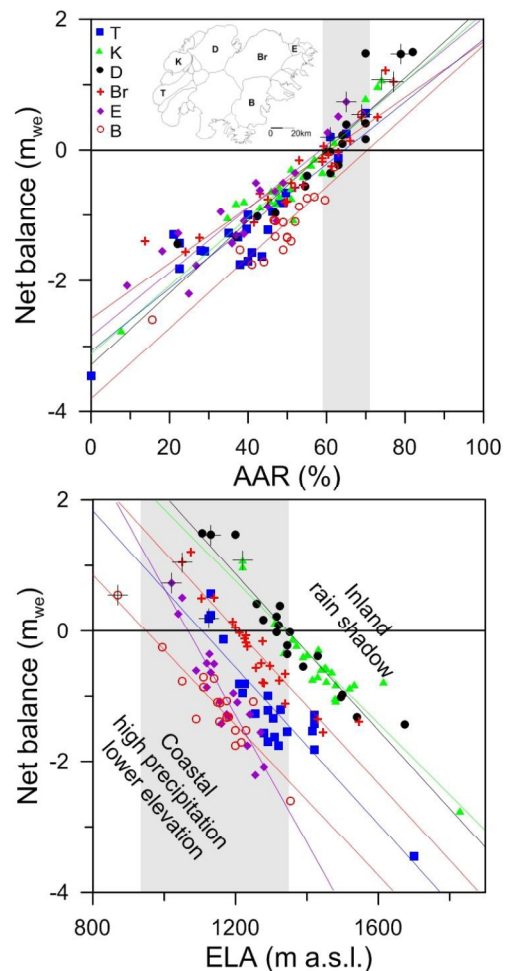


Figure 18. The relation between net annual balance (b_n) and accumulation area ratio (AAR)(upper) and b_n and equilibrium line altitude (ELA), for Vatnajökull outlets during the survey period. (This years points are marked with a black +).

northern outlets but $1,5 m_{we}a^{-1}$ for the south and western outlets.

In Fig. 18 the relation of the annual net balance to the accumulation area ratio (AAR) and equilibrium line altitude (ELA) is shown for different outlets over the survey period. The b_n -AAR gradient is similar for all outlets, about $0,5 m_{we}$ for 10% change in AAR. The zero-balance AAR varies for different outlets from about 60-65%, similar for all outlets except for the southern outlet Breiðamerkurjökull.

Breiðamerkurjökull is far from equi-

librium, the ablation area is too large. A large part of the glacier has carved 200-300 m through the former sediment bed, and the surface elevation has lowered accordingly. Breiðamerkurjökull is now retreating at a high rate.

Similarly the zero-balance ELA varies from about 1000-1100 m a.s.l. for the southern outlets to 1400 m a.s.l. for the NW outlets. The b_n -ELA slope is similar for all outlets $-0,7 \text{ m}_{we}$ per 100 m.

4. SURFACE VELOCITY MEASUREMENTS

The surface velocity of the glacier was calculated from DGPS (accuracy within 1 m), fast static (accuracy about 1 cm) and kinematic GPS (accuracy about 3 cm) positioning of the ablation stakes. All sites were surveyed in spring and autumn (most kinematic, some DGPS), and many also in June (kinematic), August (fast static) and October (kinematic). At a few sites

stakes from previous years were found and resurveyed, making it possible to calculate surface velocity over a year or longer time span. The average summer surface velocity is shown on Figure 19.

At sites close to the glacier edge very small horizontal movement is measured. This indicates that the glacier snouts are almost stagnant. In the centre areas of some of the outlets especially close to the equilibrium line, there is an increase in velocity during summer compared to winter. The summer velocity is of the order of two-fold the winter velocity. This suggests that basal sliding is increased in the melting season, and is of the same magnitude as the deformation velocity. From previous velocity measurements, surging of outlets has been predicted. No signs of a starting surge are seen from this year's survey.

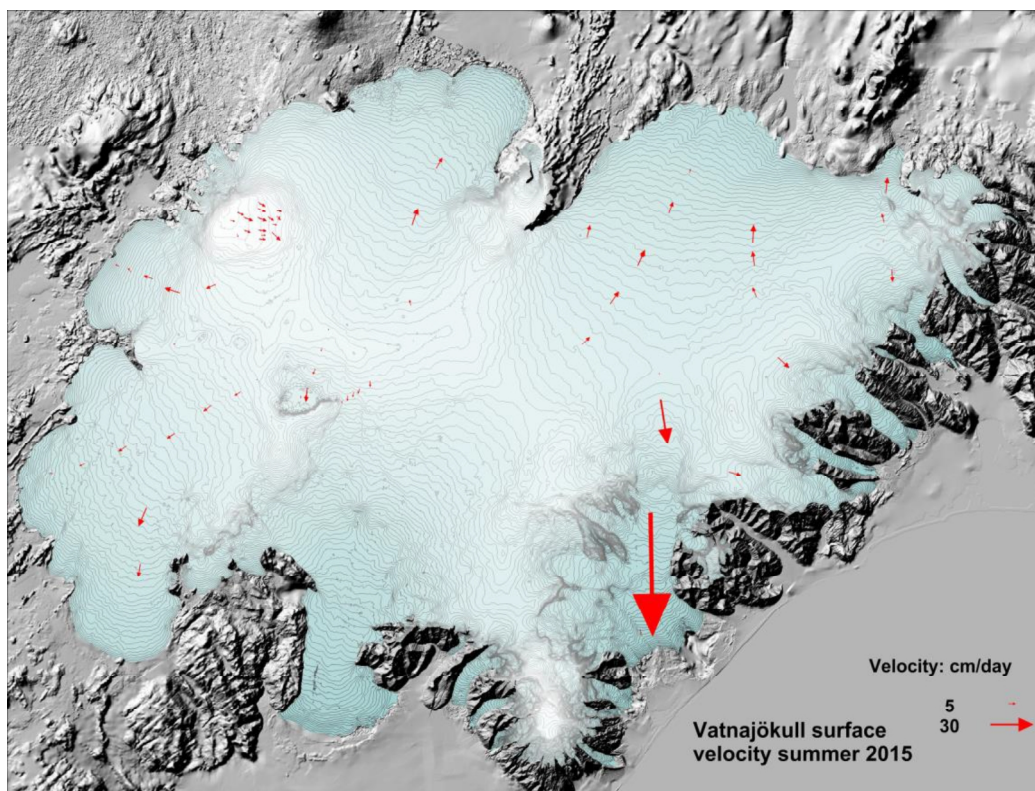


Figure 19. Average surface velocity at survey sites in 2014_15.

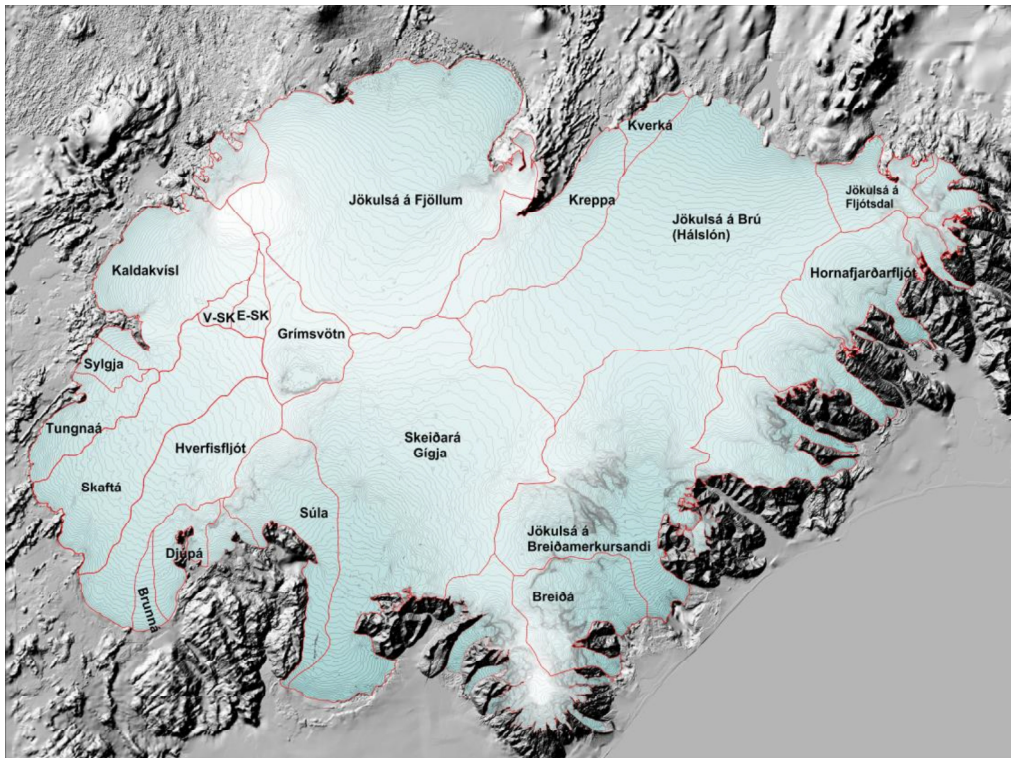


Figure 20. Water divides and drainage basins of selected rivers draining water from Vatnajökull.

5. Melt water runoff.

Water divides and drainage basins for rivers draining water from Vatnajökull have been defined from water pressure potential maps. The potential maps were produced from existing surface (year 2010) and bedrock digital elevation models.

Figure 20 shows the water divides and drainage areas for selected rivers draining melt water from Vatnajökull. The summer balance over the water basin is an estimate of meltwater contribution to rivers and groundwater storage. This estimate, however, does not include precipitation that falls as rain on the glacier, nor snow which falls and melts during the summer. The meltwater contribution can be compared with river runoff at stream flow gauges closest to the glacier. For this comparison, we define the glaciological year from the start of October to the end of September and the period draining meltwater from the

glacier during the summer from June through September. It would be misleading to include May in the summer period because runoff from

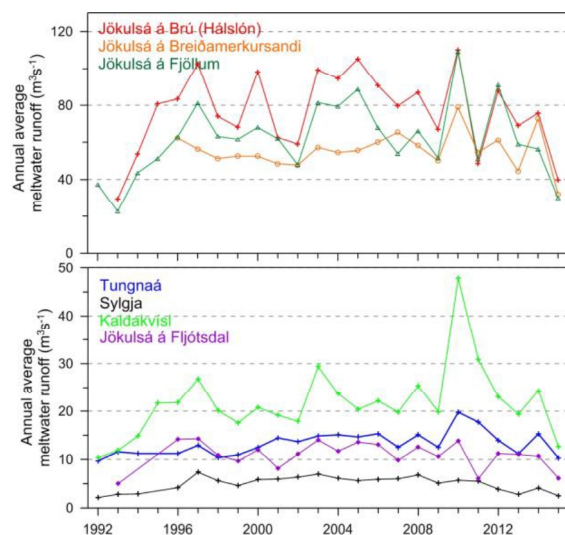


Figure 21. The temporal variation of average annual meltwater runoff to selected river catchments.

Table I. Melt water drainage to selected rivers.

| Water Catchment: | Area (km ²) | ΣQ_s (10 ⁶ m ³) | Q_s (m ³ s ⁻¹) | Q_a (m ³ s ⁻¹) | q_s (ls ⁻¹ km ⁻²) |
|-----------------------------|----------------------------|---|--|--|---|
| Vatnajökull | 7968,0 | 10631,0 | 1008,6 | 337,1 | 42,3 |
| Tungnaá | 121,8 | 325,1 | 30,8 | 10,3 | 84,6 |
| Sylgja | 39,7 | 79,3 | 7,5 | 2,5 | 63,3 |
| Kaldakvísl | 367,9 | 398,7 | 37,8 | 12,6 | 34,4 |
| Jokulsa a Fjöllum | 1188,3 | 945,9 | 89,7 | 30,0 | 25,2 |
| Kreppa | 291,2 | 210,4 | 20,0 | 6,7 | 22,9 |
| Kverka | 47,0 | 147,5 | 14,0 | 4,7 | 99,5 |
| Jokulsa a Brú | 1214,8 | 1259,1 | 119,5 | 39,9 | 32,9 |
| Jökulsá á Fljótsdal | 130,6 | 194,5 | 18,5 | 6,2 | 47,2 |
| Jökulsá í Lóni | 101,3 | 147,4 | 14,0 | 4,7 | 46,1 |
| Hornafjarðarfjót | 239,1 | 342,5 | 32,5 | 10,9 | 45,4 |
| Jökulsá á Breiðamerkursandi | 739,5 | 1014,9 | 96,3 | 32,2 | 43,5 |
| Breiðá-Fjallsá | 234,6 | 621,3 | 58,9 | 19,7 | 84,0 |
| Skeiðará-Gígja | 1165,2 | 1634,3 | 155,0 | 51,8 | 44,5 |
| Súla | 255,8 | 584,0 | 55,4 | 18,5 | 72,4 |
| Brunná | 35,8 | 127,3 | 12,1 | 4,0 | 112,8 |
| Djúpá | 83,7 | 226,1 | 21,4 | 7,2 | 85,7 |
| Hverfisfjót | 317,7 | 459,5 | 43,6 | 14,6 | 45,9 |
| Skaftá | 394,9 | 668,2 | 63,4 | 21,2 | 53,7 |
| Grímsvötn | 173,3 | 52,2 | 5,0 | 1,7 | 9,6 |
| Eystri Skaftárketill | 39,4 | 0,5 | 0,0 | 0,0 | 0,4 |
| Vestari Skaftárketill | 25,1 | 0,5 | 0,0 | 0,0 | 0,6 |
| Hólmsá | 164,9 | 245,3 | 23,3 | 7,8 | 47,2 |
| Heinabergsvötn | 229,6 | 370,1 | 35,1 | 11,7 | 51,1 |
| Skjálfandafjót | 71,9 | 38,2 | 3,6 | 1,2 | 16,8 |

ΣQ_s : total summer melt water; Q_s : average runoff (averaged over summer, 4 months, June – September)
 Q_a : average runoff (averaged over a whole year); q_s : average runoff per km² (averaged over a whole year)

the glacier melt in May is delayed due to refreezing during elimination of the cold wave and because of the contribution of the spring melt from the highlands to the runoff. Some melting also occurs during winter, especially in the low snouts of the southern outlets.

Average melt water runoff to different rivers is given in Table I, and temporal variation of the average meltwater runoff in Fig. 21. The average specific runoff (q_s) differs from basin to basin from 14 to 112 ls⁻¹km⁻². This is mainly due to different elevation distributions, for example, the water drainage basins for Tungnaá and Kverka are within the ablation area, while that of Grímsvötn

and Skaftárkatlar are high in the accumulation zone.

Due to a cold summer with repeated snow fall on the glacier surface, the error (under-estimate) in runoff estimation from the summer balance will be even more than average.

6. Conclusions

The autumn weather was slightly colder than average the past decade; October rather dry but precipitation in November well over the average in the S and SE. The winter months in Iceland December to March were colder than average, although close to average in the E. Storms were frequent (almost every 3 days) accompanied by unusually high precipitation. Winter accumulation was higher than average all over Vatnajökull. There was much thicker than average snow cover in the upper regions especially on Breiðabunga in the SE (open to SE coastal storms) and the upper regions of Dyngjujökull and Bárðarbunga (from high wind from E and NE). This reflects snowfall in SE, E, and NE wind directions. The spring months were cold and dry, with little change on Vatnajökull, in terms of accumulation or melt.

The summer of 2015 was unusually cold in SE-Iceland, also very wet and cloudy in June and July. In August clear sky was more frequent especially in the north, , in warm weather (again, none totally cloud free, most with haze).

September was warm and rather dry in the east, ablation was significant until mid-October. Ablation rates were lower than average almost everywhere, far under average during the May-July months. But the mild, even warm, and windy late August and September partly compensated this; the ablation rates were higher than average. The net balance was positive in all areas except in the lower ablation areas of S and SE outlets.

The winter balance was 40% higher than average (average since 1991_92). The summer mass balance was only 76% of the average during the survey period. The net balance was positive

for the first time since 1993_94, the mass change $+1,38 m_{we}$ greater than average of the survey period since 1991_92 ($-0,49 m$); $+1,65 m_{we}$ greater than average of the survey period since 1995_96 ($-0,75 m$); of the past 20 consecutive years of negative balance. This means that the mass change is equal to the glacier having an extra average winter without a consecutive summer.

The glacial year of 2014_15 was the first in two decades with positive mass balance for Vatnajökull (Fig. 14, Fig. 15). The total mass loss over the 24 year survey period is $10,46 m_{we}$ (ice volume of $\sim 92,7 km^3$) since 1991_92 ($13,42 m_{we}$ (ice volume of $120,28 km^3$) since 1994_95 the first year of 2 decades of negative balance). The volume loss since 1991_92 amounts to $\sim 3\%$ of total ice volume ($\sim 4\%$ since 1994_95).

Glacier meltwater runoff (estimated from summer balance only, summer rain and snow that falls and melts during summer is not included) to: Tungnaá was 67% of average, 60 % of average to Kaldakvísl, 47% of average to Jökulsá á Fjöllum, 51% of average to Háslón, 55% to Jökulsá í Fljótssdal and 56% over average to Jökulsá á Breiðamerkursandi.

Summary:

$B_w : 17,37 km^3_{we}$

$B_s : -10,23 km^3_{we}$

$B_n : 7,14 km^3_{we}$

AAR = 73%

Specific Values:

$b_w = 2,185 m_{we}$

$b_s = -1,287 m_{we}$

$b_n = 0,898 m_{we}$

Appendix A: Mass balance at measurement sites 2014_15.

b_w : specific winter balance, b_s : specific summer balance, b_n : specific net balance, l_a : new snow in autumn (all in water equivalent).

| Site | Position | | | Elevation (m a.s.l.) | Date in spring | Date in autumn | b_w (m) | b_s (m) | b_n (m) | l_a (m) | |
|-------|----------|-----------|----|-------------------------|-------------------|-------------------|--------------|--------------|--------------|--------------|-------|
| | Latitude | Longitude | | | | | | | | | |
| B09u | 64 | 45,040 | 16 | 5,474 | 747,9 | 20150511 | 20151024 | 0,390 | -4,539 | -4,149 | 0,035 |
| B10u | 64 | 43,687 | 16 | 6,699 | 803,9 | 20150511 | 20151024 | 0,517 | -3,286 | -2,769 | 0,035 |
| B11d | 64 | 40,958 | 16 | 10,468 | 959,8 | 20150511 | 20151024 | 1,021 | -1,985 | -0,964 | 0,070 |
| B12t | 64 | 38,276 | 16 | 14,132 | 1077,2 | 20150511 | 20151024 | 1,513 | -1,231 | 0,282 | 0,070 |
| B13t | 64 | 34,518 | 16 | 19,732 | 1215,5 | 20150511 | 20151023 | 2,087 | -0,803 | 1,284 | 0,063 |
| B14v | 64 | 31,640 | 16 | 24,705 | 1315,3 | 20150510 | 20151023 | 2,490 | -0,690 | 1,800 | 0,140 |
| B15i | 64 | 28,487 | 16 | 30,016 | 1399,8 | 20150510 | 20151023 | 2,570 | -0,194 | 2,376 | 0,140 |
| B16t | 64 | 24,125 | 16 | 40,853 | 1526,2 | 20150510 | 20151028 | 2,360 | -0,030 | 2,330 | 0,315 |
| B17t | 64 | 36,734 | 16 | 28,792 | 1212,8 | 20150510 | 20151023 | 1,895 | -1,312 | 0,583 | 0,053 |
| BR1g | 64 | 5,558 | 16 | 19,503 | 110,0 | 20150415 | 20151025 | -0,972 | -8,100 | -9,072 | 0,000 |
| BR2k | 64 | 6,391 | 16 | 22,543 | 232,0 | 20150415 | | 0,045 | | | |
| Br3p | 64 | 8,509 | 16 | 24,104 | 401,4 | 20150415 | | 0,725 | | | |
| Br4d | 64 | 10,733 | 16 | 20,238 | 527,5 | 20150415 | 20150930 | 1,060 | -2,878 | -1,818 | 0,000 |
| Br7r | 64 | 22,147 | 16 | 16,939 | 1246,7 | 20150513 | 20151022 | 2,826 | -0,750 | 2,076 | 0,116 |
| B07t | 64 | 25,793 | 16 | 17,452 | 1357,7 | 20150513 | 20151022 | 2,620 | -0,970 | 1,650 | 0,123 |
| BB0s | 64 | 22,718 | 16 | 5,051 | 1519,6 | 20150513 | 20151022 | 3,361 | 0,245 | 3,606 | 0,280 |
| Brus | 64 | 41,000 | 15 | 55,223 | 772,2 | 20150511 | 20151023 | 0,604 | -4,429 | -3,825 | 0,021 |
| Buds | 64 | 35,991 | 15 | 59,890 | 1136,2 | 20150511 | 20151023 | 1,920 | -1,290 | 0,630 | 0,333 |
| gb2d | 64 | 34,109 | 16 | 0,026 | 1201,5 | 20150512 | 20151023 | 1,980 | -0,660 | 1,320 | 0,070 |
| B18r | 64 | 31,587 | 16 | 0,124 | 1313,0 | 20150512 | 20151023 | 2,599 | -0,517 | 2,082 | 0,116 |
| B19r | 64 | 27,933 | 15 | 55,164 | 1430,8 | 20150512 | 20151022 | 3,467 | 0,231 | 3,698 | 0,137 |
| BB0s | 64 | 22,718 | 16 | 5,051 | 1519,6 | 20150513 | 20151022 | 3,361 | 0,245 | 3,606 | 0,280 |
| D05r | 64 | 42,235 | 16 | 54,662 | 1201,7 | 20150510 | 20151024 | 1,737 | -1,185 | 0,552 | 0,060 |
| D07r | 64 | 38,285 | 16 | 59,256 | 1371,4 | 20150510 | 20151024 | 2,283 | -0,417 | 1,866 | 0,067 |
| D09q | 64 | 31,798 | 17 | 0,553 | 1581,2 | 20150510 | 20151024 | 2,604 | -0,084 | 2,520 | 0,245 |
| D12r | 64 | 28,984 | 17 | 0,140 | 1646,8 | 20150509 | 20151024 | 2,896 | 0,348 | 3,244 | 0,231 |
| E01s | 64 | 41,455 | 15 | 33,503 | 681,0 | 20150512 | 20151023 | 0,855 | -4,275 | -3,420 | 0,035 |
| E02s | 64 | 39,130 | 15 | 35,977 | 955,3 | 20150512 | 20151023 | 1,637 | -2,375 | -0,738 | 0,035 |
| E03t | 64 | 36,667 | 15 | 36,909 | 1188,4 | 20150512 | 20151023 | 2,648 | -0,770 | 1,878 | 0,070 |
| E04s | 64 | 34,952 | 15 | 37,106 | 1288,5 | 20150512 | 20151023 | 3,250 | -0,367 | 2,883 | 0,123 |
| K01u | 64 | 35,165 | 17 | 51,797 | 1061,3 | 20150509 | 20151026 | 0,758 | -1,964 | -1,206 | 0,000 |
| K02v | 64 | 34,817 | 17 | 49,685 | 1178,1 | 20150509 | 20151026 | 1,743 | -2,085 | -0,342 | 0,035 |
| K03u | 64 | 34,247 | 17 | 46,382 | 1296,9 | 20150509 | 20151026 | 2,088 | -1,482 | 0,606 | 0,042 |
| K04v | 64 | 33,209 | 17 | 42,251 | 1487,5 | 20150509 | 20151026 | 2,247 | -0,687 | 1,560 | 0,231 |
| K05v | 64 | 33,451 | 17 | 35,428 | 1681,1 | 20150509 | 20151026 | 2,280 | 0,354 | 2,634 | 0,284 |
| K06u | 64 | 38,358 | 17 | 31,364 | 1967,5 | 20150604 | 20151026 | 3,185 | 0,513 | 3,698 | 0,385 |
| K07q | 64 | 29,113 | 17 | 42,014 | 1533,7 | 20150509 | 20151026 | 2,526 | -0,435 | 2,091 | 0,305 |
| S01j | 64 | 7,012 | 17 | 49,989 | 740,4 | 20150507 | 20151026 | 1,238 | -3,695 | -2,457 | 0,035 |
| S02m | 64 | 12,164 | 17 | 48,966 | 1009,8 | 20150507 | 20151026 | 1,859 | -2,462 | -0,603 | 0,074 |
| S04n | 64 | 16,198 | 17 | 48,217 | 1159,6 | 20150507 | 20151026 | 2,234 | -1,562 | 0,672 | 0,095 |
| HAABn | 64 | 20,952 | 17 | 24,083 | 1729,3 | 20150603 | 20151025 | 3,353 | 0,483 | 3,836 | 0,875 |

| | | | | | | | | | | | |
|---------|----|--------|----|--------|--------|----------|----------|-------|--------|--------|-------|
| T01no | 64 | 19,486 | 18 | 8,234 | 743,7 | 20150507 | 20151026 | 0,599 | -5,432 | -4,833 | 0,000 |
| T02nq | 64 | 19,600 | 18 | 3,968 | 940,9 | 20150507 | 20151026 | 1,815 | -2,868 | -1,053 | 0,035 |
| T03nq | 64 | 20,210 | 17 | 58,600 | 1076,1 | 20150507 | 20151027 | 1,812 | -2,177 | -0,365 | 0,109 |
| T04nq | 64 | 21,339 | 17 | 51,527 | 1222,1 | 20150507 | 20151027 | 2,161 | -1,435 | 0,726 | 0,182 |
| T05nq | 64 | 22,287 | 17 | 43,012 | 1343,5 | 20150507 | 20151027 | 2,016 | -0,822 | 1,194 | 0,238 |
| T06nq | 64 | 24,281 | 17 | 36,538 | 1465,2 | 20150508 | 20151027 | 2,482 | -0,298 | 2,184 | 0,354 |
| T07np | 64 | 25,291 | 17 | 31,200 | 1562,6 | 20150509 | 20151025 | 2,630 | -0,302 | 2,328 | 0,455 |
| T08nq | 64 | 26,313 | 17 | 27,779 | 1635,9 | 20150509 | 20151025 | 2,716 | 0,110 | 2,826 | 0,490 |
| BORTHNb | 64 | 25,087 | 17 | 19,154 | 1400,7 | 20150604 | 20151025 | 3,367 | -0,841 | 2,526 | 0,385 |
| Borai | 64 | 24,938 | 17 | 20,158 | 1399,9 | 20150602 | 20151025 | 3,337 | -0,937 | 2,400 | 0,315 |
| G02k | 64 | 26,845 | 17 | 17,748 | 1560,1 | 20150602 | 20151025 | 2,485 | -0,757 | 1,728 | 0,315 |
| G03l | 64 | 28,445 | 17 | 16,347 | 1655,3 | 20150603 | 20151025 | 3,153 | -0,243 | 2,910 | 0,315 |
| G04s | 64 | 30,016 | 17 | 15,025 | 1684,8 | 20150603 | 20151025 | 3,151 | 0,251 | 3,402 | 0,343 |
| Go1r | 64 | 34,014 | 17 | 24,920 | 1758,1 | 20150603 | | 3,069 | | 3,069 | |
| Hof01l | 64 | 32,327 | 15 | 35,844 | 1141,1 | 20150512 | 20151023 | 2,758 | -0,952 | 1,806 | 0,175 |
| FI01e | 64 | 26,161 | 15 | 55,628 | 1347,3 | 20150513 | 20151022 | 3,237 | -0,369 | 2,868 | 0,238 |
| Skf01e | 64 | 17,989 | 16 | 5,003 | 1283,2 | 20150513 | 20151022 | 3,499 | -0,513 | 2,986 | 0,140 |
| Bafk01 | 64 | 37,000 | 17 | 30,000 | 1917 | 20150604 | | 3,190 | | | |
| Bafk02 | 64 | 37,243 | 17 | 25,995 | 1875,0 | 20150610 | 20151026 | 3,200 | 0,322 | 3,522 | 0,462 |
| Bafk03 | 64 | 38,000 | 17 | 23,982 | 1842,8 | 20150610 | 20151026 | 2,340 | 0,540 | 2,880 | 0,315 |
| Bafk04 | 64 | 39,400 | 17 | 26,000 | 1892,0 | 20150610 | | 2,390 | | | |
| Barc | 64 | 38,410 | 17 | 26,764 | 1874,9 | 20150607 | 20151026 | 3,960 | | | 0,455 |
| K06u | 64 | 38,358 | 17 | 31,364 | 1967,5 | 20150604 | 20151026 | 3,185 | 0,513 | 3,698 | 0,385 |
| D02 | 64 | 42,511 | 16 | 45,595 | 1056,4 | 20150323 | | 0,763 | | | |
| D01 | 64 | 45,649 | 16 | 59,045 | 1123,7 | 20150323 | | 1,486 | | | |

Appendix B: Balance distribution by elevation in 2014_15.

ΔS : area in elevation range, $\sum \Delta S$: cumulative area above given elevation, b_w : specific winter balance, b_s : specific summer balance. b_n : specific winter balance, ΔB_w : winter balance at a given elevation range, $\sum \Delta B_w$: cumulative winter balance above given elevation, ΔB_s summer balance at a given elevation range, $\sum \Delta B_s$: cumulative summer balance above given elevation, ΔB_n : net annual balance in a given elevation range, $\sum B_n$: cumulative net annual balance above given elevation.

Vatnajökull

| Elevation (m a.s.l.) | | | ΔS (km^2) | $\sum \Delta S$ (km^2) | b_w (mm) | b_s (mm) | b_n (mm) | ΔB_w ($10^6 m^3$) | $\sum \Delta B_w$ ($10^6 m^3$) | ΔB_s ($10^6 m^3$) | $\sum \Delta B_s$ ($10^6 m^3$) | ΔB_n ($10^6 m^3$) | $\sum B_n$ ($10^6 m^3$) |
|--------------------------|------|------|--------------------------|-------------------------------|---------------|---------------|---------------|--------------------------------|-------------------------------------|--------------------------------|-------------------------------------|--------------------------------|------------------------------|
| 2000 | 2050 | 2025 | 0,4 | 0,4 | 4322 | 2047 | 6369 | 1,9 | 2 | 0,9 | 1 | 2,9 | 3 |
| 1950 | 2000 | 1975 | 8,8 | 9,2 | 3174 | 845 | 4019 | 27,8 | 30 | 7,4 | 8 | 35,2 | 38 |
| 1900 | 1950 | 1925 | 36,6 | 45,8 | 3103 | 659 | 3762 | 113,4 | 143 | 24,1 | 32 | 137,6 | 176 |
| 1850 | 1900 | 1875 | 47,4 | 93,2 | 3152 | 743 | 3896 | 149,5 | 293 | 35,3 | 68 | 184,8 | 360 |
| 1800 | 1850 | 1825 | 47,0 | 140,2 | 3285 | 826 | 4111 | 154,3 | 447 | 38,8 | 107 | 193,1 | 554 |
| 1750 | 1800 | 1775 | 54,5 | 194,7 | 3160 | 588 | 3748 | 172,4 | 619 | 32,1 | 139 | 204,5 | 758 |
| 1700 | 1750 | 1725 | 104,3 | 299,0 | 3009 | 388 | 3398 | 314,0 | 933 | 40,5 | 179 | 354,5 | 1113 |
| 1650 | 1700 | 1675 | 222,4 | 521,4 | 3001 | 201 | 3202 | 667,5 | 1601 | 44,8 | 224 | 712,2 | 1825 |
| 1600 | 1650 | 1625 | 373,0 | 894,4 | 2854 | 102 | 2956 | 1064,5 | 2665 | 38,2 | 262 | 1102,7 | 2927 |
| 1550 | 1600 | 1575 | 353,6 | 1248,0 | 2755 | -67 | 2688 | 974,5 | 3640 | -23,9 | 238 | 950,7 | 3878 |
| 1500 | 1550 | 1525 | 420,6 | 1668,6 | 2664 | -155 | 2509 | 1120,5 | 4760 | -65,3 | 173 | 1055,2 | 4933 |
| 1450 | 1500 | 1475 | 453,2 | 2121,8 | 2654 | -237 | 2417 | 1203,2 | 5964 | -107,4 | 66 | 1095,8 | 6029 |
| 1400 | 1450 | 1425 | 503,8 | 2625,6 | 2717 | -296 | 2421 | 1369,4 | 7333 | -149,6 | -84 | 1219,8 | 7249 |
| 1350 | 1400 | 1375 | 548,7 | 3174,3 | 2679 | -432 | 2246 | 1470,0 | 8803 | -237,4 | -321 | 1232,6 | 8482 |
| 1300 | 1350 | 1325 | 540,9 | 3715,2 | 2605 | -605 | 1999 | 1409,3 | 10212 | -327,6 | -649 | 1081,7 | 9563 |
| 1250 | 1300 | 1275 | 512,0 | 4227,2 | 2537 | -754 | 1782 | 1299,3 | 11512 | -386,5 | -1036 | 912,8 | 10476 |
| 1200 | 1250 | 1225 | 453,3 | 4680,5 | 2361 | -968 | 1392 | 1070,6 | 12582 | -439,2 | -1475 | 631,5 | 11108 |
| 1150 | 1200 | 1175 | 403,5 | 5084,0 | 2187 | -1215 | 971 | 882,4 | 13465 | -490,5 | -1965 | 391,8 | 11499 |
| 1100 | 1150 | 1125 | 362,5 | 5446,5 | 2052 | -1465 | 587 | 744,1 | 14209 | -531,1 | -2496 | 213,0 | 11712 |
| 1050 | 1100 | 1075 | 323,6 | 5770,1 | 1904 | -1712 | 192 | 616,4 | 14825 | -554,3 | -3051 | 62,1 | 11775 |
| 1000 | 1050 | 1025 | 301,1 | 6071,2 | 1747 | -1967 | -220 | 526,1 | 15351 | -592,3 | -3643 | -66,2 | 11708 |
| 950 | 1000 | 975 | 270,8 | 6342,0 | 1597 | -2201 | -604 | 432,7 | 15784 | -596,3 | -4239 | -163,6 | 11545 |
| 900 | 950 | 925 | 238,3 | 6580,3 | 1499 | -2436 | -937 | 357,3 | 16141 | -580,7 | -4820 | -223,5 | 11321 |
| 850 | 900 | 875 | 210,2 | 6790,5 | 1392 | -2672 | -1279 | 292,7 | 16434 | -561,8 | -5382 | -269,1 | 11052 |
| 800 | 850 | 825 | 192,1 | 6982,6 | 1268 | -2957 | -1689 | 243,8 | 16678 | -568,4 | -5950 | -324,6 | 10728 |
| 750 | 800 | 775 | 174,8 | 7157,4 | 1125 | -3300 | -2175 | 196,7 | 16874 | -576,9 | -6527 | -380,2 | 10347 |
| 700 | 750 | 725 | 141,2 | 7298,6 | 1110 | -3492 | -2381 | 156,7 | 17031 | -493,1 | -7020 | -336,3 | 10011 |
| 650 | 700 | 675 | 121,3 | 7419,9 | 1109 | -3536 | -2427 | 134,5 | 17166 | -428,9 | -7449 | -294,4 | 9717 |
| 600 | 650 | 625 | 74,6 | 7494,5 | 1147 | -3374 | -2227 | 85,6 | 17251 | -251,8 | -7701 | -166,2 | 9551 |
| 550 | 600 | 575 | 65,8 | 7560,3 | 1152 | -3384 | -2231 | 75,9 | 17327 | -222,8 | -7924 | -146,9 | 9404 |
| 500 | 550 | 525 | 48,0 | 7608,3 | 1095 | -3715 | -2619 | 52,6 | 17380 | -178,2 | -8102 | -125,6 | 9278 |
| 450 | 500 | 475 | 40,4 | 7648,7 | 993 | -4047 | -3054 | 40,1 | 17420 | -163,5 | -8265 | -123,4 | 9155 |
| 400 | 450 | 425 | 44,5 | 7693,2 | 844 | -4502 | -3658 | 37,6 | 17457 | -200,5 | -8466 | -162,9 | 8992 |
| 350 | 400 | 375 | 40,0 | 7733,2 | 580 | -5150 | -4570 | 23,2 | 17481 | -206,1 | -8672 | -182,9 | 8809 |
| 300 | 350 | 325 | 38,1 | 7771,3 | 232 | -5772 | -5540 | 8,9 | 17490 | -219,8 | -8892 | -211,0 | 8598 |
| 250 | 300 | 275 | 36,6 | 7807,9 | -68 | -6320 | -6388 | -2,5 | 17487 | -231,5 | -9123 | -234,0 | 8364 |
| 200 | 250 | 225 | 37,5 | 7845,4 | -374 | -6846 | -7221 | -14,0 | 17473 | -256,5 | -9380 | -270,6 | 8093 |
| 150 | 200 | 175 | 32,5 | 7877,9 | -698 | -7443 | -8142 | -22,7 | 17450 | -241,5 | -9621 | -264,2 | 7829 |
| 100 | 150 | 125 | 28,3 | 7906,2 | -906 | -7980 | -8886 | -25,7 | 17425 | -225,9 | -9847 | -251,6 | 7578 |
| 50 | 100 | 75 | 25,9 | 7932,1 | -1076 | -8537 | -9614 | -27,9 | 17397 | -221,1 | -10068 | -248,9 | 7329 |
| 0 | 50 | 25 | 18,3 | 7950,4 | -1281 | -8745 | -10027 | -23,5 | 17373 | -160,1 | -10228 | -183,6 | 7145 |

Tungnaárjökull

| Elevation (m a.s.l.) | | | ΔS (km ²) | $\Sigma \Delta S$ (km ²) | b_w (mm) | b_s (mm) | b_n (mm) | ΔB_w (10 ⁶ m ³) | $\Sigma \Delta B_w$ (10 ⁶ m ³) | ΔB_s (10 ⁶ m ³) | $\Sigma \Delta B_s$ (10 ⁶ m ³) | ΔB_n (10 ⁶ m ³) | ΣB_n (10 ⁶ m ³) |
|--------------------------|------|------|----------------------------------|---|---------------|---------------|---------------|---|--|---|--|---|---|
| 1650 | 1700 | 1675 | 2,4 | 2,4 | 2781 | 91 | 2872 | 6,6 | 7 | 0,2 | 0 | 6,8 | 7 |
| 1600 | 1650 | 1625 | 13,2 | 15,6 | 2687 | 71 | 2759 | 35,4 | 42 | 0,9 | 1 | 36,3 | 43 |
| 1550 | 1600 | 1575 | 15,3 | 30,9 | 2643 | -61 | 2582 | 40,3 | 82 | -0,9 | 0 | 39,4 | 83 |
| 1500 | 1550 | 1525 | 15,3 | 46,2 | 2579 | -199 | 2379 | 39,4 | 122 | -3,1 | -3 | 36,4 | 119 |
| 1450 | 1500 | 1475 | 18,5 | 64,7 | 2496 | -330 | 2165 | 46,1 | 168 | -6,1 | -9 | 40,0 | 159 |
| 1400 | 1450 | 1425 | 23,3 | 88,0 | 2425 | -504 | 1920 | 56,5 | 224 | -11,8 | -21 | 44,8 | 204 |
| 1350 | 1400 | 1375 | 21,7 | 109,7 | 2372 | -698 | 1674 | 51,4 | 276 | -15,1 | -36 | 36,3 | 240 |
| 1300 | 1350 | 1325 | 28,1 | 137,8 | 2315 | -922 | 1393 | 65,0 | 341 | -25,9 | -62 | 39,1 | 279 |
| 1250 | 1300 | 1275 | 21,8 | 159,6 | 2254 | -1185 | 1069 | 49,2 | 390 | -25,9 | -88 | 23,3 | 302 |
| 1200 | 1250 | 1225 | 24,0 | 183,6 | 2160 | -1464 | 696 | 51,9 | 442 | -35,2 | -123 | 16,7 | 319 |
| 1150 | 1200 | 1175 | 21,0 | 204,6 | 2047 | -1729 | 318 | 42,9 | 485 | -36,2 | -159 | 6,7 | 326 |
| 1100 | 1150 | 1125 | 19,2 | 223,8 | 1900 | -2007 | -107 | 36,6 | 521 | -38,6 | -198 | -2,1 | 324 |
| 1050 | 1100 | 1075 | 20,0 | 243,8 | 1759 | -2285 | -526 | 35,2 | 557 | -45,7 | -243 | -10,5 | 313 |
| 1000 | 1050 | 1025 | 18,2 | 262,0 | 1592 | -2541 | -949 | 29,0 | 586 | -46,2 | -290 | -17,3 | 296 |
| 950 | 1000 | 975 | 18,9 | 280,9 | 1414 | -2823 | -1408 | 26,7 | 612 | -53,3 | -343 | -26,6 | 269 |
| 900 | 950 | 925 | 15,2 | 296,1 | 1233 | -3262 | -2028 | 18,7 | 631 | -49,5 | -392 | -30,8 | 239 |
| 850 | 900 | 875 | 15,1 | 311,2 | 1048 | -3837 | -2789 | 15,8 | 647 | -57,8 | -450 | -42,0 | 197 |
| 800 | 850 | 825 | 13,4 | 324,6 | 860 | -4669 | -3808 | 11,5 | 658 | -62,3 | -512 | -50,8 | 146 |
| 750 | 800 | 775 | 10,0 | 334,6 | 711 | -5410 | -4699 | 7,1 | 665 | -54,0 | -566 | -46,9 | 99 |
| 700 | 750 | 725 | 5,7 | 340,3 | 615 | -5899 | -5283 | 3,5 | 669 | -33,7 | -600 | -30,2 | 69 |
| 650 | 700 | 675 | 0,3 | 340,6 | 606 | -6040 | -5434 | 0,2 | 669 | -2,1 | -602 | -1,9 | 67 |

Sylgjujökull

| Elevation (m a.s.l.) | | | ΔS (km ²) | $\Sigma \Delta S$ (km ²) | b_w (mm) | b_s (mm) | b_n (mm) | ΔB_w (10 ⁶ m ³) | $\Sigma \Delta B_w$ (10 ⁶ m ³) | ΔB_s (10 ⁶ m ³) | $\Sigma \Delta B_s$ (10 ⁶ m ³) | ΔB_n (10 ⁶ m ³) | ΣB_n (10 ⁶ m ³) |
|--------------------------|------|------|----------------------------------|---|---------------|---------------|---------------|---|--|---|--|---|---|
| 1600 | 1650 | 1625 | 2,0 | 2,0 | 2667 | 22 | 2689 | 5,4 | 5 | 0,0 | 0 | 5,4 | 5 |
| 1550 | 1600 | 1575 | 6,8 | 8,8 | 2630 | -119 | 2511 | 17,8 | 23 | -0,8 | -1 | 17,0 | 22 |
| 1500 | 1550 | 1525 | 18,9 | 27,7 | 2556 | -309 | 2246 | 48,2 | 71 | -5,8 | -7 | 42,4 | 65 |
| 1450 | 1500 | 1475 | 12,3 | 40,0 | 2466 | -442 | 2023 | 30,3 | 102 | -5,4 | -12 | 24,9 | 90 |
| 1400 | 1450 | 1425 | 8,2 | 48,2 | 2409 | -555 | 1854 | 19,8 | 121 | -4,6 | -17 | 15,2 | 105 |
| 1350 | 1400 | 1375 | 5,1 | 53,3 | 2363 | -691 | 1672 | 12,0 | 134 | -3,5 | -20 | 8,5 | 113 |
| 1300 | 1350 | 1325 | 5,3 | 58,6 | 2294 | -947 | 1347 | 12,1 | 146 | -5,0 | -25 | 7,1 | 120 |
| 1250 | 1300 | 1275 | 10,4 | 69,0 | 2219 | -1219 | 1000 | 23,0 | 169 | -12,6 | -38 | 10,4 | 131 |
| 1200 | 1250 | 1225 | 12,6 | 81,6 | 2127 | -1489 | 637 | 26,7 | 195 | -18,7 | -57 | 8,0 | 139 |
| 1150 | 1200 | 1175 | 14,4 | 96,0 | 2020 | -1732 | 288 | 29,0 | 224 | -24,9 | -81 | 4,1 | 143 |
| 1100 | 1150 | 1125 | 13,2 | 109,2 | 1868 | -2031 | -163 | 24,6 | 249 | -26,8 | -108 | -2,2 | 141 |
| 1050 | 1100 | 1075 | 13,4 | 122,6 | 1735 | -2483 | -747 | 23,3 | 272 | -33,3 | -141 | -10,0 | 131 |
| 1000 | 1050 | 1025 | 8,9 | 131,5 | 1594 | -2837 | -1243 | 14,2 | 286 | -25,2 | -167 | -11,0 | 120 |
| 950 | 1000 | 975 | 2,8 | 134,3 | 1475 | -2982 | -1507 | 4,2 | 291 | -8,4 | -175 | -4,3 | 116 |
| 900 | 950 | 925 | 1,2 | 135,5 | 1407 | -3103 | -1696 | 1,7 | 292 | -3,8 | -179 | -2,1 | 113 |
| 850 | 900 | 875 | 0,0 | 135,5 | 1412 | -3273 | -1861 | 0,0 | 292 | 0,0 | -179 | 0,0 | 113 |

Köldukvíslarjökul

| Elevation (m a.s.l.) | | | ΔS (km ²) | $\Sigma \Delta S$ (km ²) | b_w (mm) | b_s (mm) | b_n (mm) | ΔB_w (10 ⁶ m ³) | $\Sigma \Delta B_w$ (10 ⁶ m ³) | ΔB_s (10 ⁶ m ³) | $\Sigma \Delta B_s$ (10 ⁶ m ³) | ΔB_n (10 ⁶ m ³) | ΣB_n (10 ⁶ m ³) |
|-------------------------|------|------|----------------------------------|---|---------------|---------------|---------------|---|--|---|--|---|---|
| 1950 | 2000 | 1975 | 3,6 | 3,6 | 3032 | 563 | 3595 | 10,9 | 11 | 2,0 | 2 | 12,9 | 13 |
| 1900 | 1950 | 1925 | 12,4 | 16,0 | 2964 | 542 | 3506 | 36,7 | 48 | 6,7 | 9 | 43,5 | 56 |
| 1850 | 1900 | 1875 | 5,9 | 21,9 | 2812 | 490 | 3303 | 16,5 | 64 | 2,9 | 12 | 19,4 | 76 |
| 1800 | 1850 | 1825 | 6,0 | 27,9 | 2733 | 449 | 3183 | 16,3 | 80 | 2,7 | 14 | 19,0 | 95 |
| 1750 | 1800 | 1775 | 10,5 | 38,4 | 2769 | 434 | 3204 | 29,2 | 110 | 4,6 | 19 | 33,7 | 129 |
| 1700 | 1750 | 1725 | 17,9 | 56,3 | 2600 | 372 | 2972 | 46,5 | 156 | 6,7 | 26 | 53,1 | 182 |
| 1650 | 1700 | 1675 | 15,6 | 71,9 | 2451 | 241 | 2692 | 38,2 | 194 | 3,8 | 29 | 42,0 | 224 |
| 1600 | 1650 | 1625 | 13,8 | 85,7 | 2365 | 65 | 2430 | 32,7 | 227 | 0,9 | 30 | 33,6 | 257 |
| 1550 | 1600 | 1575 | 19,2 | 104,9 | 2330 | -196 | 2133 | 44,8 | 272 | -3,8 | 26 | 41,0 | 298 |
| 1500 | 1550 | 1525 | 20,9 | 125,8 | 2366 | -458 | 1907 | 49,5 | 321 | -9,6 | 17 | 39,9 | 338 |
| 1450 | 1500 | 1475 | 19,3 | 145,1 | 2294 | -678 | 1616 | 44,3 | 366 | -13,1 | 4 | 31,2 | 369 |
| 1400 | 1450 | 1425 | 14,2 | 159,3 | 2192 | -890 | 1301 | 31,2 | 397 | -12,7 | -9 | 18,5 | 388 |
| 1350 | 1400 | 1375 | 15,2 | 174,5 | 2157 | -1088 | 1069 | 32,9 | 430 | -16,6 | -26 | 16,3 | 404 |
| 1300 | 1350 | 1325 | 17,5 | 192,0 | 2114 | -1316 | 797 | 37,0 | 467 | -23,0 | -49 | 14,0 | 418 |
| 1250 | 1300 | 1275 | 18,1 | 210,1 | 2053 | -1603 | 449 | 37,2 | 504 | -29,0 | -78 | 8,1 | 426 |
| 1200 | 1250 | 1225 | 18,3 | 228,4 | 1944 | -1896 | 48 | 35,5 | 539 | -34,7 | -112 | 0,9 | 427 |
| 1150 | 1200 | 1175 | 16,4 | 244,8 | 1692 | -2166 | -474 | 27,7 | 567 | -35,5 | -148 | -7,8 | 419 |
| 1100 | 1150 | 1125 | 14,9 | 259,7 | 1290 | -2416 | -1125 | 19,2 | 586 | -36,0 | -184 | -16,8 | 403 |
| 1050 | 1100 | 1075 | 13,1 | 272,8 | 928 | -2667 | -1739 | 12,2 | 598 | -35,1 | -219 | -22,9 | 380 |
| 1000 | 1050 | 1025 | 11,1 | 283,9 | 693 | -2892 | -2199 | 7,7 | 606 | -32,0 | -251 | -24,3 | 355 |
| 950 | 1000 | 975 | 10,0 | 293,9 | 574 | -3058 | -2483 | 5,7 | 612 | -30,5 | -281 | -24,8 | 331 |
| 900 | 950 | 925 | 3,9 | 297,8 | 519 | -3169 | -2650 | 2,0 | 614 | -12,2 | -294 | -10,2 | 320 |
| 850 | 900 | 875 | 0,1 | 297,9 | 480 | -3278 | -2797 | 0,0 | 614 | -0,4 | -294 | -0,3 | 320 |

Dyngjujökull

| Elevation (m a.s.l.) | | | ΔS (km ²) | $\Sigma \Delta S$ (km ²) | b_w (mm) | b_s (mm) | b_n (mm) | ΔB_w (10 ⁶ m ³) | $\Sigma \Delta B_w$ (10 ⁶ m ³) | ΔB_s (10 ⁶ m ³) | $\Sigma \Delta B_s$ (10 ⁶ m ³) | ΔB_n (10 ⁶ m ³) | ΣB_n (10 ⁶ m ³) |
|-------------------------|------|------|----------------------------------|---|---------------|---------------|---------------|---|--|---|--|---|---|
| 1950 | 2000 | 1975 | 7,4 | 7,4 | 3060 | 543 | 3604 | 22,7 | 23 | 4,0 | 4 | 26,7 | 27 |
| 1900 | 1950 | 1925 | 23,2 | 30,6 | 3154 | 546 | 3700 | 73,0 | 96 | 12,6 | 17 | 85,7 | 113 |
| 1850 | 1900 | 1875 | 15,9 | 46,5 | 2579 | 531 | 3111 | 41,1 | 137 | 8,5 | 25 | 49,5 | 162 |
| 1800 | 1850 | 1825 | 9,7 | 56,2 | 2866 | 489 | 3355 | 27,9 | 165 | 4,8 | 30 | 32,7 | 195 |
| 1750 | 1800 | 1775 | 16,0 | 72,2 | 2969 | 427 | 3396 | 47,5 | 212 | 6,8 | 37 | 54,3 | 249 |
| 1700 | 1750 | 1725 | 27,3 | 99,5 | 3028 | 325 | 3354 | 82,5 | 295 | 8,9 | 46 | 91,4 | 340 |
| 1650 | 1700 | 1675 | 71,6 | 171,1 | 3029 | 232 | 3261 | 216,9 | 512 | 16,6 | 62 | 233,5 | 574 |
| 1600 | 1650 | 1625 | 114,0 | 285,1 | 2864 | 136 | 3000 | 326,6 | 838 | 15,6 | 78 | 342,2 | 916 |
| 1550 | 1600 | 1575 | 94,7 | 379,8 | 2735 | -60 | 2674 | 259,1 | 1097 | -5,7 | 72 | 253,4 | 1170 |
| 1500 | 1550 | 1525 | 89,6 | 469,4 | 2637 | -150 | 2486 | 236,2 | 1334 | -13,5 | 59 | 222,7 | 1392 |
| 1450 | 1500 | 1475 | 75,0 | 544,4 | 2534 | -233 | 2301 | 190,1 | 1524 | -17,5 | 41 | 172,6 | 1565 |
| 1400 | 1450 | 1425 | 61,3 | 605,7 | 2429 | -309 | 2120 | 149,0 | 1673 | -19,0 | 22 | 130,0 | 1695 |
| 1350 | 1400 | 1375 | 49,3 | 655,0 | 2305 | -410 | 1895 | 113,7 | 1786 | -20,2 | 2 | 93,4 | 1788 |
| 1300 | 1350 | 1325 | 37,9 | 692,9 | 2182 | -547 | 1634 | 82,6 | 1869 | -20,7 | -19 | 61,9 | 1850 |
| 1250 | 1300 | 1275 | 41,3 | 734,2 | 2046 | -740 | 1306 | 84,5 | 1954 | -30,6 | -49 | 54,0 | 1904 |
| 1200 | 1250 | 1225 | 48,7 | 782,9 | 1881 | -1025 | 855 | 91,7 | 2045 | -50,0 | -99 | 41,7 | 1946 |
| 1150 | 1200 | 1175 | 48,1 | 831,0 | 1692 | -1395 | 297 | 81,4 | 2127 | -67,1 | -167 | 14,3 | 1960 |
| 1100 | 1150 | 1125 | 43,7 | 874,7 | 1545 | -1750 | -205 | 67,6 | 2194 | -76,6 | -243 | -9,0 | 1951 |
| 1050 | 1100 | 1075 | 33,1 | 907,8 | 1344 | -2078 | -734 | 44,5 | 2239 | -68,8 | -312 | -24,3 | 1927 |
| 1000 | 1050 | 1025 | 35,6 | 943,4 | 1120 | -2422 | -1301 | 39,9 | 2279 | -86,2 | -398 | -46,3 | 1881 |
| 950 | 1000 | 975 | 30,8 | 974,2 | 919 | -2834 | -1915 | 28,3 | 2307 | -87,3 | -486 | -59,0 | 1822 |
| 900 | 950 | 925 | 25,8 | 1000,0 | 745 | -3234 | -2488 | 19,2 | 2326 | -83,3 | -569 | -64,1 | 1757 |
| 850 | 900 | 875 | 25,0 | 1025,0 | 592 | -3601 | -3008 | 14,8 | 2341 | -89,9 | -659 | -75,1 | 1682 |
| 800 | 850 | 825 | 18,9 | 1043,9 | 457 | -3939 | -3481 | 8,7 | 2350 | -74,6 | -733 | -65,9 | 1616 |
| 750 | 800 | 775 | 13,8 | 1057,7 | 335 | -4267 | -3931 | 4,6 | 2354 | -58,9 | -792 | -54,3 | 1562 |
| 700 | 750 | 725 | 1,6 | 1059,3 | 279 | -4429 | -4150 | 0,4 | 2355 | -7,0 | -799 | -6,6 | 1556 |

Brúarjökull

| Elevation (m a.s.l.) | | | ΔS (km ²) | $\Sigma \Delta S$ (km ²) | b_w (mm) | b_s (mm) | b_n (mm) | ΔB_w (10 ⁶ m ³) | $\Sigma \Delta B_w$ (10 ⁶ m ³) | ΔB_s (10 ⁶ m ³) | $\Sigma \Delta B_s$ (10 ⁶ m ³) | ΔB_n (10 ⁶ m ³) | ΣB_n (10 ⁶ m ³) |
|-------------------------|------|------|----------------------------------|---|---------------|---------------|---------------|---|--|---|--|---|---|
| 1850 | 1900 | 1875 | 0,9 | 0,9 | 3593 | 569 | 4163 | 3,1 | 3 | 0,5 | 1 | 3,6 | 4 |
| 1800 | 1850 | 1825 | 4,2 | 5,1 | 3577 | 523 | 4100 | 14,8 | 18 | 2,2 | 3 | 17,0 | 21 |
| 1750 | 1800 | 1775 | 3,0 | 8,1 | 3373 | 397 | 3770 | 10,0 | 28 | 1,2 | 4 | 11,2 | 32 |
| 1700 | 1750 | 1725 | 3,7 | 11,8 | 3058 | 270 | 3328 | 11,4 | 39 | 1,0 | 5 | 12,5 | 44 |
| 1650 | 1700 | 1675 | 5,3 | 17,1 | 2917 | 218 | 3135 | 15,4 | 55 | 1,2 | 6 | 16,6 | 61 |
| 1600 | 1650 | 1625 | 44,4 | 61,5 | 2791 | 189 | 2981 | 124,0 | 179 | 8,4 | 14 | 132,5 | 193 |
| 1550 | 1600 | 1575 | 47,6 | 109,1 | 2744 | -14 | 2729 | 130,7 | 310 | -0,7 | 14 | 130,0 | 323 |
| 1500 | 1550 | 1525 | 69,9 | 179,0 | 2600 | -64 | 2536 | 181,7 | 491 | -4,5 | 9 | 177,2 | 501 |
| 1450 | 1500 | 1475 | 73,9 | 252,9 | 2611 | -101 | 2509 | 193,1 | 684 | -7,5 | 2 | 185,6 | 686 |
| 1400 | 1450 | 1425 | 108,1 | 361,0 | 2792 | -92 | 2700 | 301,9 | 986 | -10,0 | -8 | 292,0 | 978 |
| 1350 | 1400 | 1375 | 148,3 | 509,3 | 2751 | -272 | 2478 | 408,1 | 1394 | -40,5 | -49 | 367,6 | 1346 |
| 1300 | 1350 | 1325 | 151,3 | 660,6 | 2605 | -495 | 2109 | 394,3 | 1789 | -75,0 | -124 | 319,3 | 1665 |
| 1250 | 1300 | 1275 | 144,8 | 805,4 | 2465 | -642 | 1823 | 357,0 | 2146 | -93,0 | -217 | 264,0 | 1929 |
| 1200 | 1250 | 1225 | 121,8 | 927,2 | 2210 | -797 | 1412 | 269,3 | 2415 | -97,2 | -314 | 172,1 | 2101 |
| 1150 | 1200 | 1175 | 105,8 | 1033,0 | 1971 | -1030 | 940 | 208,6 | 2624 | -109,0 | -423 | 99,6 | 2201 |
| 1100 | 1150 | 1125 | 86,8 | 1119,8 | 1768 | -1292 | 475 | 153,4 | 2777 | -112,2 | -535 | 41,2 | 2242 |
| 1050 | 1100 | 1075 | 73,3 | 1193,1 | 1565 | -1510 | 54 | 114,8 | 2892 | -110,8 | -646 | 4,0 | 2246 |
| 1000 | 1050 | 1025 | 65,6 | 1258,7 | 1331 | -1752 | -421 | 87,4 | 2979 | -115,0 | -761 | -27,7 | 2218 |
| 950 | 1000 | 975 | 59,3 | 1318,0 | 1107 | -2063 | -956 | 65,7 | 3045 | -122,4 | -884 | -56,7 | 2161 |
| 900 | 950 | 925 | 48,9 | 1366,9 | 922 | -2428 | -1505 | 45,1 | 3090 | -118,8 | -1002 | -73,6 | 2088 |
| 850 | 900 | 875 | 44,7 | 1411,6 | 763 | -2815 | -2051 | 34,2 | 3124 | -125,9 | -1128 | -91,7 | 1996 |
| 800 | 850 | 825 | 41,2 | 1452,8 | 622 | -3328 | -2705 | 25,7 | 3150 | -137,1 | -1265 | -111,5 | 1885 |
| 750 | 800 | 775 | 35,9 | 1488,7 | 496 | -4121 | -3625 | 17,8 | 3168 | -148,0 | -1413 | -130,2 | 1754 |
| 700 | 750 | 725 | 23,5 | 1512,2 | 424 | -4803 | -4378 | 10,0 | 3178 | -112,8 | -1526 | -102,8 | 1652 |
| 650 | 700 | 675 | 11,8 | 1524,0 | 360 | -5275 | -4914 | 4,3 | 3182 | -62,3 | -1588 | -58,0 | 1594 |
| 600 | 650 | 625 | 0,3 | 1524,3 | 370 | -5549 | -5179 | 0,1 | 3182 | -1,6 | -1590 | -1,5 | 1592 |

Eyjabakkajökull

| Elevation (m a.s.l.) | | | ΔS (km ²) | $\Sigma \Delta S$ (km ²) | b_w (mm) | b_s (mm) | b_n (mm) | ΔB_w (10 ⁶ m ³) | $\Sigma \Delta B_w$ (10 ⁶ m ³) | ΔB_s (10 ⁶ m ³) | $\Sigma \Delta B_s$ (10 ⁶ m ³) | ΔB_n (10 ⁶ m ³) | ΣB_n (10 ⁶ m ³) |
|-------------------------|------|------|----------------------------------|---|---------------|---------------|---------------|---|--|---|--|---|---|
| 1550 | 1600 | 1575 | 0,0 | 0,0 | 3529 | 38 | 3567 | 0,0 | 0 | 0,0 | 0 | 0,0 | 0 |
| 1500 | 1550 | 1525 | 0,0 | 0,0 | 3537 | 53 | 3590 | 0,3 | 0 | 0,0 | 0 | 0,3 | 0 |
| 1450 | 1500 | 1475 | 1,0 | 1,0 | 3530 | 22 | 3553 | 3,4 | 4 | 0,0 | 0 | 3,4 | 4 |
| 1400 | 1450 | 1425 | 1,8 | 2,8 | 3496 | -13 | 3483 | 6,4 | 10 | 0,0 | 0 | 6,4 | 10 |
| 1350 | 1400 | 1375 | 2,5 | 5,3 | 3391 | -109 | 3281 | 8,6 | 19 | -0,3 | 0 | 8,3 | 19 |
| 1300 | 1350 | 1325 | 3,9 | 9,2 | 3292 | -199 | 3092 | 12,9 | 32 | -0,8 | -1 | 12,1 | 31 |
| 1250 | 1300 | 1275 | 13,4 | 22,6 | 3135 | -394 | 2741 | 41,9 | 74 | -5,3 | -6 | 36,6 | 67 |
| 1200 | 1250 | 1225 | 13,3 | 35,9 | 2852 | -631 | 2221 | 38,0 | 112 | -8,4 | -15 | 29,6 | 97 |
| 1150 | 1200 | 1175 | 14,7 | 50,6 | 2564 | -970 | 1594 | 37,7 | 149 | -14,3 | -29 | 23,4 | 120 |
| 1100 | 1150 | 1125 | 12,3 | 62,9 | 2285 | -1366 | 919 | 28,0 | 177 | -16,7 | -46 | 11,3 | 132 |
| 1050 | 1100 | 1075 | 10,6 | 73,5 | 2001 | -1792 | 209 | 21,2 | 198 | -19,0 | -65 | 2,2 | 134 |
| 1000 | 1050 | 1025 | 10,1 | 83,6 | 1782 | -2148 | -365 | 18,0 | 217 | -21,7 | -86 | -3,7 | 130 |
| 950 | 1000 | 975 | 7,7 | 91,3 | 1592 | -2447 | -855 | 12,3 | 229 | -18,9 | -105 | -6,6 | 123 |
| 900 | 950 | 925 | 5,2 | 96,5 | 1415 | -2725 | -1309 | 7,3 | 236 | -14,1 | -120 | -6,8 | 117 |
| 850 | 900 | 875 | 3,9 | 100,4 | 1304 | -2888 | -1584 | 5,1 | 241 | -11,3 | -131 | -6,2 | 110 |
| 800 | 850 | 825 | 3,2 | 103,6 | 1218 | -3004 | -1785 | 3,9 | 245 | -9,5 | -140 | -5,6 | 105 |
| 750 | 800 | 775 | 3,4 | 107,0 | 1101 | -3287 | -2185 | 3,7 | 249 | -11,1 | -151 | -7,4 | 97 |
| 700 | 750 | 725 | 3,3 | 110,3 | 956 | -3803 | -2847 | 3,2 | 252 | -12,6 | -164 | -9,4 | 88 |
| 650 | 700 | 675 | 1,7 | 112,0 | 849 | -4249 | -3399 | 1,4 | 253 | -7,2 | -171 | -5,8 | 82 |

Hoffellsjökull

| Elevation (m a.s.l.) | | | ΔS (km ²) | $\Sigma \Delta S$ (km ²) | b_w (mm) | b_s (mm) | b_n (mm) | ΔB_w (10 ⁶ m ³) | $\Sigma \Delta B_w$ (10 ⁶ m ³) | ΔB_s (10 ⁶ m ³) | $\Sigma \Delta B_s$ (10 ⁶ m ³) | ΔB_n (10 ⁶ m ³) | ΣB_n (10 ⁶ m ³) |
|-------------------------|------|------|----------------------------------|---|---------------|---------------|---------------|---|--|---|--|---|---|
| 1450 | 1500 | 1475 | 0,9 | 0,9 | 3536 | 28 | 3564 | 3,3 | 3 | 0,0 | 0 | 3,3 | 3 |
| 1400 | 1450 | 1425 | 6,7 | 7,6 | 3442 | 7 | 3450 | 23,1 | 26 | 0,0 | 0 | 23,1 | 26 |
| 1350 | 1400 | 1375 | 10,0 | 17,6 | 3386 | -102 | 3284 | 33,8 | 60 | -1,0 | -1 | 32,7 | 59 |
| 1300 | 1350 | 1325 | 15,4 | 33,0 | 3331 | -269 | 3062 | 51,2 | 111 | -4,1 | -5 | 47,0 | 106 |
| 1250 | 1300 | 1275 | 33,6 | 66,6 | 3203 | -461 | 2742 | 107,5 | 219 | -15,5 | -21 | 92,0 | 198 |
| 1200 | 1250 | 1225 | 26,8 | 93,4 | 3130 | -649 | 2480 | 83,9 | 303 | -17,4 | -38 | 66,5 | 265 |
| 1150 | 1200 | 1175 | 18,2 | 111,6 | 2950 | -863 | 2086 | 53,7 | 356 | -15,7 | -54 | 38,0 | 303 |
| 1100 | 1150 | 1125 | 17,5 | 129,1 | 2749 | -1029 | 1719 | 48,1 | 405 | -18,0 | -72 | 30,1 | 333 |
| 1050 | 1100 | 1075 | 13,6 | 142,7 | 2545 | -1215 | 1330 | 34,5 | 439 | -16,5 | -88 | 18,0 | 351 |
| 1000 | 1050 | 1025 | 10,0 | 152,7 | 2367 | -1398 | 969 | 23,6 | 463 | -14,0 | -102 | 9,7 | 361 |
| 950 | 1000 | 975 | 9,0 | 161,7 | 2164 | -1585 | 578 | 19,5 | 482 | -14,3 | -117 | 5,2 | 366 |
| 900 | 950 | 925 | 6,4 | 168,1 | 1956 | -1749 | 207 | 12,6 | 495 | -11,3 | -128 | 1,3 | 367 |
| 850 | 900 | 875 | 4,3 | 172,4 | 1793 | -1895 | -102 | 7,8 | 503 | -8,2 | -136 | -0,4 | 367 |
| 800 | 850 | 825 | 3,6 | 176,0 | 1763 | -2004 | -240 | 6,3 | 509 | -7,2 | -143 | -0,9 | 366 |
| 750 | 800 | 775 | 3,9 | 179,9 | 1663 | -2135 | -471 | 6,5 | 515 | -8,3 | -151 | -1,8 | 364 |
| 700 | 750 | 725 | 3,8 | 183,7 | 1544 | -2256 | -711 | 5,9 | 521 | -8,6 | -160 | -2,7 | 361 |
| 650 | 700 | 675 | 3,4 | 187,1 | 1400 | -2411 | -1010 | 4,7 | 526 | -8,1 | -168 | -3,4 | 358 |
| 600 | 650 | 625 | 2,5 | 189,6 | 1251 | -2622 | -1371 | 3,1 | 529 | -6,5 | -175 | -3,4 | 354 |
| 550 | 600 | 575 | 1,8 | 191,4 | 1137 | -2889 | -1751 | 2,1 | 531 | -5,3 | -180 | -3,2 | 351 |
| 500 | 550 | 525 | 1,5 | 192,9 | 1040 | -3328 | -2287 | 1,5 | 533 | -4,9 | -185 | -3,4 | 348 |
| 450 | 500 | 475 | 0,9 | 193,8 | 938 | -3826 | -2888 | 0,9 | 534 | -3,6 | -188 | -2,7 | 345 |
| 400 | 450 | 425 | 0,9 | 194,7 | 749 | -4487 | -3737 | 0,7 | 534 | -4,3 | -193 | -3,6 | 342 |
| 350 | 400 | 375 | 0,6 | 195,3 | 462 | -5146 | -4683 | 0,3 | 535 | -3,0 | -196 | -2,8 | 339 |
| 300 | 350 | 325 | 0,9 | 196,2 | 166 | -5711 | -5545 | 0,2 | 535 | -5,2 | -201 | -5,0 | 334 |
| 250 | 300 | 275 | 2,2 | 198,4 | -211 | -6363 | -6574 | -0,5 | 534 | -13,8 | -215 | -14,3 | 320 |
| 200 | 250 | 225 | 3,3 | 201,7 | -639 | -7092 | -7732 | -2,1 | 532 | -23,2 | -238 | -25,3 | 294 |
| 150 | 200 | 175 | 2,6 | 204,3 | -898 | -7710 | -8608 | -2,3 | 530 | -20,0 | -258 | -22,4 | 272 |
| 100 | 150 | 125 | 2,1 | 206,4 | -1031 | -8144 | -9175 | -2,2 | 528 | -17,3 | -275 | -19,5 | 252 |
| 50 | 100 | 75 | 2,8 | 209,2 | -1267 | -8836 | -10103 | -3,5 | 524 | -24,7 | -300 | -28,3 | 224 |
| 0 | 50 | 25 | 0,6 | 209,8 | -1397 | -9099 | -10497 | -0,8 | 523 | -5,1 | -305 | -5,9 | 218 |

Breiðamerkurjökull

| Elevation (m a.s.l.) | | | ΔS (km ²) | $\Sigma \Delta S$ (km ²) | b_w (mm) | b_s (mm) | b_n (mm) | ΔB_w (10 ⁶ m ³) | $\Sigma \Delta B_w$ (10 ⁶ m ³) | ΔB_s (10 ⁶ m ³) | $\Sigma \Delta B_s$ (10 ⁶ m ³) | ΔB_n (10 ⁶ m ³) | ΣB_n (10 ⁶ m ³) |
|-------------------------|------|------|----------------------------------|---|---------------|---------------|---------------|---|--|---|--|---|---|
| 1900 | 1950 | 1925 | 0,0 | 0,0 | 4264 | 2051 | 6315 | 0,2 | 0 | 0,0 | 0 | 0,3 | 0 |
| 1850 | 1900 | 1875 | 0,4 | 0,4 | 4257 | 2018 | 6276 | 1,5 | 2 | 0,7 | 1 | 2,3 | 3 |
| 1800 | 1850 | 1825 | 0,4 | 0,8 | 4223 | 1877 | 6100 | 1,9 | 4 | 0,8 | 2 | 2,7 | 5 |
| 1750 | 1800 | 1775 | 0,8 | 1,6 | 4169 | 1589 | 5759 | 3,4 | 7 | 1,3 | 3 | 4,7 | 10 |
| 1700 | 1750 | 1725 | 2,5 | 4,1 | 3689 | 698 | 4388 | 9,1 | 16 | 1,7 | 5 | 10,8 | 21 |
| 1650 | 1700 | 1675 | 5,8 | 9,9 | 3209 | 205 | 3414 | 18,5 | 35 | 1,2 | 6 | 19,7 | 41 |
| 1600 | 1650 | 1625 | 15,8 | 25,7 | 2955 | 52 | 3008 | 46,7 | 81 | 0,8 | 7 | 47,5 | 88 |
| 1550 | 1600 | 1575 | 25,7 | 51,4 | 2826 | -17 | 2808 | 72,7 | 154 | -0,5 | 6 | 72,2 | 160 |
| 1500 | 1550 | 1525 | 32,2 | 83,6 | 2801 | -97 | 2703 | 90,1 | 244 | -3,1 | 3 | 87,0 | 247 |
| 1450 | 1500 | 1475 | 44,3 | 127,9 | 2857 | -106 | 2750 | 126,5 | 371 | -4,7 | -2 | 121,7 | 369 |
| 1400 | 1450 | 1425 | 58,3 | 186,2 | 2816 | -194 | 2622 | 164,3 | 535 | -11,3 | -13 | 153,0 | 522 |
| 1350 | 1400 | 1375 | 88,7 | 274,9 | 2794 | -353 | 2441 | 247,9 | 783 | -31,4 | -44 | 216,5 | 739 |
| 1300 | 1350 | 1325 | 96,9 | 371,8 | 2773 | -525 | 2247 | 268,8 | 1052 | -51,0 | -95 | 217,8 | 956 |
| 1250 | 1300 | 1275 | 59,4 | 431,2 | 2751 | -674 | 2077 | 163,5 | 1215 | -40,1 | -135 | 123,4 | 1080 |
| 1200 | 1250 | 1225 | 39,7 | 470,9 | 2700 | -788 | 1911 | 107,1 | 1322 | -31,3 | -167 | 75,8 | 1156 |
| 1150 | 1200 | 1175 | 32,6 | 503,5 | 2606 | -916 | 1690 | 85,1 | 1407 | -29,9 | -197 | 55,2 | 1211 |
| 1100 | 1150 | 1125 | 27,7 | 531,2 | 2483 | -1075 | 1408 | 68,9 | 1476 | -29,8 | -226 | 39,0 | 1250 |
| 1050 | 1100 | 1075 | 24,1 | 555,3 | 2390 | -1237 | 1152 | 57,5 | 1534 | -29,8 | -256 | 27,8 | 1278 |
| 1000 | 1050 | 1025 | 22,1 | 577,4 | 2316 | -1402 | 914 | 51,3 | 1585 | -31,0 | -287 | 20,2 | 1298 |
| 950 | 1000 | 975 | 24,5 | 601,9 | 2227 | -1571 | 656 | 54,6 | 1640 | -38,5 | -326 | 16,1 | 1314 |
| 900 | 950 | 925 | 27,4 | 629,3 | 2125 | -1672 | 453 | 58,2 | 1698 | -45,8 | -372 | 12,4 | 1326 |
| 850 | 900 | 875 | 26,2 | 655,5 | 1974 | -1823 | 150 | 51,7 | 1750 | -47,8 | -419 | 3,9 | 1330 |
| 800 | 850 | 825 | 26,1 | 681,6 | 1812 | -1977 | -164 | 47,3 | 1797 | -51,5 | -471 | -4,3 | 1326 |
| 750 | 800 | 775 | 25,3 | 706,9 | 1633 | -2144 | -511 | 41,3 | 1838 | -54,2 | -525 | -12,9 | 1313 |
| 700 | 750 | 725 | 23,9 | 730,8 | 1524 | -2301 | -776 | 36,5 | 1875 | -55,0 | -580 | -18,6 | 1294 |
| 650 | 700 | 675 | 30,8 | 761,6 | 1417 | -2433 | -1016 | 43,7 | 1918 | -75,1 | -655 | -31,3 | 1263 |
| 600 | 650 | 625 | 26,2 | 787,8 | 1257 | -2596 | -1339 | 32,9 | 1951 | -68,0 | -723 | -35,1 | 1228 |
| 550 | 600 | 575 | 27,0 | 814,8 | 1134 | -2868 | -1734 | 30,6 | 1982 | -77,4 | -801 | -46,8 | 1181 |
| 500 | 550 | 525 | 15,7 | 830,5 | 1069 | -3232 | -2162 | 16,8 | 1999 | -50,9 | -852 | -34,0 | 1147 |
| 450 | 500 | 475 | 16,3 | 846,8 | 938 | -3749 | -2810 | 15,3 | 2014 | -60,9 | -912 | -45,7 | 1102 |
| 400 | 450 | 425 | 15,9 | 862,7 | 777 | -4341 | -3563 | 12,3 | 2026 | -68,9 | -981 | -56,6 | 1045 |
| 350 | 400 | 375 | 13,0 | 875,7 | 580 | -4964 | -4383 | 7,6 | 2034 | -64,7 | -1046 | -57,2 | 988 |
| 300 | 350 | 325 | 13,1 | 888,8 | 311 | -5636 | -5325 | 4,1 | 2038 | -73,6 | -1120 | -69,5 | 918 |
| 250 | 300 | 275 | 12,1 | 900,9 | -55 | -6356 | -6412 | -0,7 | 2037 | -76,6 | -1196 | -77,3 | 841 |
| 200 | 250 | 225 | 11,5 | 912,4 | -494 | -7055 | -7550 | -5,7 | 2032 | -81,1 | -1277 | -86,8 | 754 |
| 150 | 200 | 175 | 8,6 | 921,0 | -841 | -7724 | -8565 | -7,2 | 2024 | -66,3 | -1344 | -73,5 | 681 |
| 100 | 150 | 125 | 7,9 | 928,9 | -1045 | -8346 | -9391 | -8,2 | 2016 | -65,7 | -1409 | -73,9 | 607 |
| 50 | 100 | 75 | 6,1 | 935,0 | -1179 | -8929 | -10109 | -7,2 | 2009 | -54,2 | -1464 | -61,4 | 545 |
| 0 | 50 | 25 | 3,0 | 938,0 | -1263 | -9254 | -10518 | -3,8 | 2005 | -27,7 | -1491 | -31,5 | 514 |

Síðujökull

| Elevation (m a.s.l.) | | | ΔS (km^2) | $\Sigma \Delta S$ (km^2) | b_w (mm) | b_s (mm) | b_n (mm) | ΔB_w (10^6m^3) | $\Sigma \Delta B_w$ (10^6m^3) | ΔB_s (10^6m^3) | $\Sigma \Delta B_s$ (10^6m^3) | ΔB_n (10^6m^3) | ΣB_n (10^6m^3) |
|-------------------------|------|------|---------------------------------|--|---------------|---------------|---------------|---------------------------------------|--|---------------------------------------|--|---------------------------------------|---------------------------------------|
| 1700 | 1750 | 1725 | 0,7 | 0,7 | 3286 | 402 | 3688 | 2,5 | 3 | 0,3 | 0 | 2,8 | 3 |
| 1650 | 1700 | 1675 | 5,2 | 5,9 | 3118 | 266 | 3384 | 16,1 | 19 | 1,4 | 2 | 17,4 | 20 |
| 1600 | 1650 | 1625 | 11,1 | 17,0 | 2869 | 176 | 3045 | 31,9 | 51 | 2,0 | 4 | 33,9 | 54 |
| 1550 | 1600 | 1575 | 10,1 | 27,1 | 2798 | 58 | 2857 | 28,3 | 79 | 0,6 | 4 | 28,9 | 83 |
| 1500 | 1550 | 1525 | 20,1 | 47,2 | 2719 | -63 | 2656 | 54,8 | 134 | -1,3 | 3 | 53,5 | 137 |
| 1450 | 1500 | 1475 | 40,1 | 87,3 | 2607 | -344 | 2262 | 104,5 | 238 | -13,8 | -11 | 90,7 | 227 |
| 1400 | 1450 | 1425 | 26,9 | 114,2 | 2491 | -525 | 1965 | 66,9 | 305 | -14,1 | -25 | 52,8 | 280 |
| 1350 | 1400 | 1375 | 21,3 | 135,5 | 2443 | -677 | 1765 | 52,1 | 357 | -14,4 | -39 | 37,7 | 318 |
| 1300 | 1350 | 1325 | 17,4 | 152,9 | 2411 | -868 | 1543 | 42,0 | 399 | -15,1 | -55 | 26,9 | 345 |
| 1250 | 1300 | 1275 | 16,6 | 169,5 | 2366 | -1089 | 1276 | 39,2 | 438 | -18,0 | -73 | 21,1 | 366 |
| 1200 | 1250 | 1225 | 21,2 | 190,7 | 2329 | -1262 | 1066 | 49,3 | 488 | -26,7 | -99 | 22,6 | 388 |
| 1150 | 1200 | 1175 | 18,1 | 208,8 | 2253 | -1500 | 753 | 40,8 | 528 | -27,2 | -127 | 13,6 | 402 |
| 1100 | 1150 | 1125 | 17,0 | 225,8 | 2175 | -1915 | 260 | 37,0 | 566 | -32,6 | -159 | 4,4 | 406 |
| 1050 | 1100 | 1075 | 18,0 | 243,8 | 2066 | -2170 | -103 | 37,1 | 603 | -39,0 | -198 | -1,9 | 405 |
| 1000 | 1050 | 1025 | 21,7 | 265,5 | 1890 | -2399 | -508 | 40,9 | 644 | -51,9 | -250 | -11,0 | 394 |
| 950 | 1000 | 975 | 21,8 | 287,3 | 1686 | -2805 | -1119 | 36,7 | 680 | -61,1 | -311 | -24,4 | 369 |
| 900 | 950 | 925 | 22,0 | 309,3 | 1537 | -3122 | -1585 | 33,9 | 714 | -68,8 | -380 | -35,0 | 334 |
| 850 | 900 | 875 | 20,8 | 330,1 | 1434 | -3299 | -1865 | 29,8 | 744 | -68,6 | -449 | -38,8 | 295 |
| 800 | 850 | 825 | 24,6 | 354,7 | 1343 | -3465 | -2122 | 33,1 | 777 | -85,3 | -534 | -52,2 | 243 |
| 750 | 800 | 775 | 24,5 | 379,2 | 1250 | -3660 | -2410 | 30,6 | 808 | -89,5 | -623 | -59,0 | 184 |
| 700 | 750 | 725 | 25,4 | 404,6 | 1140 | -3964 | -2824 | 29,0 | 837 | -100,9 | -724 | -71,8 | 112 |
| 650 | 700 | 675 | 14,7 | 419,3 | 1048 | -4254 | -3205 | 15,4 | 852 | -62,6 | -787 | -47,2 | 65 |
| 600 | 650 | 625 | 4,2 | 423,5 | 1010 | -4424 | -3414 | 4,2 | 856 | -18,4 | -805 | -14,2 | 51 |

Skaftárjökull

| Elevation (m a.s.l.) | | | ΔS (km^2) | $\Sigma \Delta S$ (km^2) | b_w (mm) | b_s (mm) | b_n (mm) | ΔB_w (10^6m^3) | $\Sigma \Delta B_w$ (10^6m^3) | ΔB_s (10^6m^3) | $\Sigma \Delta B_s$ (10^6m^3) | ΔB_n (10^6m^3) | ΣB_n (10^6m^3) |
|-------------------------|------|------|---------------------------------|--|---------------|---------------|---------------|---------------------------------------|--|---------------------------------------|--|---------------------------------------|---------------------------------------|
| 1350 | 1400 | 1375 | 2,4 | 2,4 | 2377 | -684 | 1692 | 5,8 | 6 | -1,7 | -2 | 4,1 | 4 |
| 1300 | 1350 | 1325 | 5,5 | 7,9 | 2343 | -871 | 1472 | 12,8 | 19 | -4,8 | -6 | 8,0 | 12 |
| 1250 | 1300 | 1275 | 4,5 | 12,4 | 2300 | -1138 | 1161 | 10,4 | 29 | -5,1 | -12 | 5,2 | 17 |
| 1200 | 1250 | 1225 | 6,5 | 18,9 | 2247 | -1364 | 882 | 14,5 | 43 | -8,8 | -20 | 5,7 | 23 |
| 1150 | 1200 | 1175 | 9,3 | 28,2 | 2171 | -1657 | 514 | 20,1 | 64 | -15,3 | -36 | 4,8 | 28 |
| 1100 | 1150 | 1125 | 12,3 | 40,5 | 2073 | -1995 | 77 | 25,4 | 89 | -24,4 | -60 | 1,0 | 29 |
| 1050 | 1100 | 1075 | 14,2 | 54,7 | 1939 | -2240 | -300 | 27,5 | 116 | -31,7 | -92 | -4,3 | 25 |
| 1000 | 1050 | 1025 | 12,1 | 66,8 | 1757 | -2508 | -750 | 21,3 | 138 | -30,3 | -122 | -9,1 | 15 |
| 950 | 1000 | 975 | 7,6 | 74,4 | 1577 | -2858 | -1281 | 12,0 | 150 | -21,7 | -144 | -9,7 | 6 |
| 900 | 950 | 925 | 5,3 | 79,7 | 1419 | -3190 | -1771 | 7,5 | 157 | -17,0 | -161 | -9,4 | -4 |
| 850 | 900 | 875 | 5,6 | 85,3 | 1259 | -3522 | -2263 | 7,0 | 164 | -19,6 | -181 | -12,6 | -16 |
| 800 | 850 | 825 | 5,5 | 90,8 | 1098 | -3756 | -2657 | 6,0 | 170 | -20,5 | -201 | -14,5 | -31 |
| 750 | 800 | 775 | 5,0 | 95,8 | 951 | -3878 | -2927 | 4,8 | 175 | -19,5 | -221 | -14,7 | -46 |
| 700 | 750 | 725 | 3,3 | 99,1 | 790 | -4039 | -3248 | 2,6 | 178 | -13,5 | -234 | -10,9 | -56 |
| 650 | 700 | 675 | 1,2 | 100,3 | 675 | -4203 | -3527 | 0,8 | 178 | -5,0 | -239 | -4,2 | -61 |

Vestari Skaftárketill

| Elevation (m a.s.l.) | | | ΔS (km^2) | $\Sigma \Delta S$ (km^2) | b_w (mm) | b_s (mm) | b_n (mm) | ΔB_w (10^6m^3) | $\Sigma \Delta B_w$ (10^6m^3) | ΔB_s (10^6m^3) | $\Sigma \Delta B_s$ (10^6m^3) | ΔB_n (10^6m^3) | ΣB_n (10^6m^3) |
|-------------------------|------|------|---------------------------------|--|---------------|---------------|---------------|---------------------------------------|--|---------------------------------------|--|---------------------------------------|---------------------------------------|
| 1900 | 1950 | 1925 | 0,7 | 0,7 | 2969 | 525 | 3494 | 2,0 | 2 | 0,4 | 0 | 2,4 | 2 |
| 1850 | 1900 | 1875 | 0,6 | 1,3 | 2930 | 514 | 3445 | 1,7 | 4 | 0,3 | 1 | 2,0 | 4 |
| 1800 | 1850 | 1825 | 0,7 | 2,0 | 3006 | 500 | 3506 | 2,3 | 6 | 0,4 | 1 | 2,6 | 7 |
| 1750 | 1800 | 1775 | 2,7 | 4,7 | 2972 | 458 | 3430 | 8,0 | 14 | 1,2 | 2 | 9,2 | 16 |
| 1700 | 1750 | 1725 | 5,9 | 10,6 | 2761 | 379 | 3140 | 16,2 | 30 | 2,2 | 5 | 18,4 | 35 |
| 1650 | 1700 | 1675 | 6,7 | 17,3 | 2627 | 234 | 2861 | 17,5 | 48 | 1,6 | 6 | 19,0 | 54 |
| 1600 | 1650 | 1625 | 7,4 | 24,7 | 2605 | 83 | 2688 | 19,3 | 67 | 0,6 | 7 | 20,0 | 74 |
| 1550 | 1600 | 1575 | 5,2 | 29,9 | 2573 | -71 | 2501 | 13,3 | 80 | -0,4 | 6 | 12,9 | 87 |
| 1500 | 1550 | 1525 | 1,5 | 31,4 | 2569 | -119 | 2450 | 3,8 | 84 | -0,2 | 6 | 3,6 | 90 |

Eystri Skaftárketill

| Elevation (m a.s.l.) | | | ΔS (km^2) | $\Sigma \Delta S$ (km^2) | b_w (mm) | b_s (mm) | b_n (mm) | ΔB_w (10^6m^3) | $\Sigma \Delta B_w$ (10^6m^3) | ΔB_s (10^6m^3) | $\Sigma \Delta B_s$ (10^6m^3) | ΔB_n (10^6m^3) | ΣB_n (10^6m^3) |
|-------------------------|------|------|---------------------------------|--|---------------|---------------|---------------|---------------------------------------|--|---------------------------------------|--|---------------------------------------|---------------------------------------|
| 1750 | 1800 | 1775 | 1,1 | 1,1 | 2995 | 446 | 3442 | 3,3 | 3 | 0,5 | 1 | 3,8 | 4 |
| 1700 | 1750 | 1725 | 11,1 | 12,2 | 2859 | 346 | 3205 | 31,9 | 35 | 3,9 | 4 | 35,7 | 40 |
| 1650 | 1700 | 1675 | 16,2 | 28,4 | 2812 | 209 | 3021 | 45,5 | 81 | 3,4 | 8 | 48,9 | 88 |
| 1600 | 1650 | 1625 | 9,2 | 37,6 | 2706 | 140 | 2847 | 25,0 | 106 | 1,3 | 9 | 26,3 | 115 |
| 1550 | 1600 | 1575 | 2,2 | 39,8 | 2697 | 126 | 2823 | 6,0 | 112 | 0,3 | 9 | 6,2 | 121 |

Gjálp

| Elevation (m a.s.l.) | | | ΔS (km^2) | $\Sigma \Delta S$ (km^2) | b_w (mm) | b_s (mm) | b_n (mm) | ΔB_w (10^6m^3) | $\Sigma \Delta B_w$ (10^6m^3) | ΔB_s (10^6m^3) | $\Sigma \Delta B_s$ (10^6m^3) | ΔB_n (10^6m^3) | ΣB_n (10^6m^3) |
|-------------------------|------|------|---------------------------------|--|---------------|---------------|---------------|---------------------------------------|--|---------------------------------------|--|---------------------------------------|---------------------------------------|
| 1900 | 1950 | 1925 | 0,5 | 0,5 | 2919 | 529 | 3449 | 1,6 | 2 | 0,3 | 0 | 1,9 | 2 |
| 1850 | 1900 | 1875 | 0,6 | 1,1 | 2822 | 514 | 3336 | 1,7 | 3 | 0,3 | 1 | 2,1 | 4 |
| 1800 | 1850 | 1825 | 1,2 | 2,3 | 3002 | 496 | 3498 | 3,5 | 7 | 0,6 | 1 | 4,1 | 8 |
| 1750 | 1800 | 1775 | 4,5 | 6,8 | 3043 | 456 | 3500 | 13,8 | 21 | 2,1 | 3 | 15,9 | 24 |
| 1700 | 1750 | 1725 | 15,9 | 22,7 | 3027 | 362 | 3390 | 48,3 | 69 | 5,8 | 9 | 54,0 | 78 |
| 1650 | 1700 | 1675 | 16,5 | 39,2 | 3079 | 273 | 3353 | 50,9 | 120 | 4,5 | 14 | 55,4 | 133 |
| 1600 | 1650 | 1625 | 0,0 | 39,2 | 3081 | 272 | 3353 | 0,0 | 120 | 0,0 | 14 | 0,0 | 134 |

Grímsvötn

| Elevation (m a.s.l.) | | | ΔS (km^2) | $\Sigma \Delta S$ (km^2) | b_w (mm) | b_s (mm) | b_n (mm) | ΔB_w (10^6m^3) | $\Sigma \Delta B_w$ (10^6m^3) | ΔB_s (10^6m^3) | $\Sigma \Delta B_s$ (10^6m^3) | ΔB_n (10^6m^3) | ΣB_n (10^6m^3) |
|-------------------------|------|------|---------------------------------|--|---------------|---------------|---------------|---------------------------------------|--|---------------------------------------|--|---------------------------------------|---------------------------------------|
| 1700 | 1750 | 1725 | 0,8 | 0,8 | 3139 | 211 | 3351 | 2,6 | 3 | 0,2 | 0 | 2,7 | 3 |
| 1650 | 1700 | 1675 | 40,8 | 41,6 | 3111 | 37 | 3149 | 127,1 | 130 | 1,5 | 2 | 128,6 | 131 |
| 1600 | 1650 | 1625 | 30,6 | 72,2 | 3114 | -186 | 2928 | 95,4 | 225 | -5,7 | -4 | 89,7 | 221 |
| 1550 | 1600 | 1575 | 18,6 | 90,8 | 3201 | -470 | 2730 | 59,6 | 285 | -8,8 | -13 | 50,9 | 272 |
| 1500 | 1550 | 1525 | 16,9 | 107,7 | 3244 | -686 | 2558 | 54,7 | 339 | -11,6 | -24 | 43,1 | 315 |
| 1450 | 1500 | 1475 | 11,6 | 119,3 | 3279 | -820 | 2458 | 38,0 | 377 | -9,5 | -34 | 28,5 | 344 |
| 1400 | 1450 | 1425 | 15,1 | 134,4 | 3307 | -920 | 2387 | 49,8 | 427 | -13,9 | -48 | 36,0 | 380 |
| 1350 | 1400 | 1375 | 0,6 | 135,0 | 3249 | -614 | 2634 | 2,1 | 429 | -0,4 | -48 | 1,7 | 381 |

Appendix C: Coordinates at velocity measurement stakes in 2015.

Position of velocity measurement stakes determined by GPS sub-metre differential (I), fast static (FS) and kinematic (K). (Accuracy of horizontal position 0.5 – 1.0 m, and vertical accuracy 1-2 m for DGPS, about 1cm for fast static, and 3 cm for kinematic).

The station Hofn in Höfn í Hornafirði is used as a stationary reference for all measurements, ÍSN93 datum, h_1 is elevation above ellipsoid, dL antenna height, N estimated difference between ellipsoid and sea-level, H elevation in metres above sea level ($H=h_1+N+dL$). X and Y are ÍSN93 Lambert conformal conic projected coordinates. M is a quality marker.

| Site | time | Calendar | | | | Latitude | Longitude | h_1 (m a. e.) | dL (m) | N (m) | H (m a. s. l.) | X | Y | M |
|----------|--------|----------|----|------|------|-------------|-------------|--------------------|-----------|----------|-------------------|-----------|-----------|---|
| | | Date | # | Year | Day | | | | | | | | | |
| B07u | 11,159 | 13 | 5 | 133 | 2015 | 64 25,79416 | 16 17,44836 | 1425,9 | 0,0 | -67,1 | 1358,9 | 630480,45 | 439241,53 | K |
| B07u | 18,741 | 22 | 10 | 295 | 2015 | 64 25,79338 | 16 17,44745 | 1423,1 | 0,0 | -67,1 | 1356,0 | 630481,24 | 439240,10 | K |
| B09v | 16,404 | 11 | 5 | 131 | 2015 | 64 45,03855 | 16 5,47332 | 810,1 | 0,0 | -66,7 | 743,4 | 638441,64 | 475386,82 | K |
| B09v | 12,423 | 24 | 10 | 297 | 2015 | 64 45,03856 | 16 5,47367 | 804,3 | 0,0 | -66,7 | 737,7 | 638441,36 | 475386,83 | K |
| B10u | 15,961 | 11 | 5 | 131 | 2015 | 64 43,68705 | 16 6,69773 | 866,1 | 0,0 | -66,7 | 799,4 | 637585,75 | 472833,83 | K |
| B10u | 15,953 | 24 | 10 | 297 | 2015 | 64 43,68706 | 16 6,69786 | 861,4 | 0,0 | -66,7 | 794,7 | 637585,65 | 472833,84 | K |
| B11e | 13,250 | 11 | 5 | 131 | 2015 | 64 40,94122 | 16 10,48847 | 1027,0 | 0,0 | -66,8 | 960,2 | 634806,21 | 467601,16 | K |
| B11e | 10,805 | 24 | 10 | 297 | 2015 | 64 40,94355 | 16 10,48683 | 1023,5 | 0,0 | -66,8 | 956,7 | 634807,32 | 467605,54 | K |
| B12u | 11,989 | 11 | 5 | 131 | 2015 | 64 38,26539 | 16 14,13168 | 1145,2 | 0,0 | -66,9 | 1078,4 | 632128,11 | 462506,13 | K |
| B12u | 10,257 | 24 | 10 | 297 | 2015 | 64 38,27267 | 16 14,12485 | 1142,9 | 0,0 | -66,9 | 1076,0 | 632132,95 | 462519,87 | K |
| B13u | 10,439 | 11 | 5 | 131 | 2015 | 64 34,53442 | 16 19,71437 | 1283,5 | 0,0 | -67,0 | 1216,5 | 627976,57 | 455389,00 | K |
| B13u | 18,614 | 23 | 10 | 296 | 2015 | 64 34,54379 | 16 19,70328 | 1281,2 | 0,0 | -67,0 | 1214,2 | 627984,68 | 455406,76 | K |
| B13rora | 10,665 | 24 | 10 | 297 | 2015 | 64 34,54197 | 16 19,71213 | 1281,5 | 0,0 | -67,0 | 1214,5 | 627977,76 | 455403,07 | K |
| B14x | 18,264 | 10 | 5 | 130 | 2015 | 64 31,63485 | 16 24,70572 | 1384,8 | 0,0 | -67,1 | 1317,7 | 624214,11 | 449840,33 | K |
| B14x | 18,505 | 23 | 10 | 296 | 2015 | 64 31,64238 | 16 24,69259 | 1382,3 | 0,0 | -67,1 | 1315,2 | 624224,03 | 449854,73 | K |
| B15j | 17,537 | 10 | 5 | 130 | 2015 | 64 28,48609 | 16 30,01278 | 1469,0 | 0,0 | -67,2 | 1401,8 | 620202,72 | 443823,70 | K |
| B15j | 17,750 | 23 | 10 | 296 | 2015 | 64 28,49077 | 16 30,00102 | 1466,4 | 0,0 | -67,2 | 1399,2 | 620211,79 | 443832,75 | K |
| B16x | 16,326 | 10 | 5 | 130 | 2015 | 64 24,12221 | 16 40,85031 | 1595,2 | 0,0 | -67,3 | 1527,8 | 611818,74 | 435390,01 | K |
| B16x | 10,741 | 28 | 10 | 301 | 2015 | 64 24,12251 | 16 40,84948 | 1593,5 | 0,0 | -67,3 | 1526,2 | 611819,39 | 435390,60 | K |
| B17u | 19,546 | 10 | 5 | 130 | 2015 | 64 36,73635 | 16 28,78873 | 1281,5 | 0,0 | -67,1 | 1214,3 | 620572,25 | 459179,41 | K |
| B17u | 19,593 | 23 | 10 | 296 | 2015 | 64 36,74364 | 16 28,78375 | 1279,7 | 0,0 | -67,1 | 1212,5 | 620575,68 | 459193,09 | K |
| B18s | 10,689 | 12 | 5 | 132 | 2015 | 64 31,58477 | 16 0,12112 | 1381,2 | 0,0 | -66,9 | 1314,3 | 643869,09 | 450616,16 | K |
| B18s | 20,348 | 22 | 10 | 295 | 2015 | 64 31,59057 | 16 0,12564 | 1379,7 | 0,0 | -66,9 | 1312,8 | 643865,00 | 450626,80 | K |
| B19s | 22,097 | 12 | 5 | 132 | 2015 | 64 27,93218 | 15 55,16820 | 1498,8 | 0,0 | -66,9 | 1432,0 | 648157,96 | 444028,18 | K |
| B19s | 20,154 | 22 | 10 | 295 | 2015 | 64 27,93177 | 15 55,16705 | 1495,8 | 0,0 | -66,9 | 1428,9 | 648158,93 | 444027,46 | K |
| BB0t | 10,109 | 13 | 5 | 133 | 2015 | 64 22,71816 | 16 5,04617 | 1588,1 | 0,0 | -66,9 | 1521,3 | 640692,42 | 433975,29 | K |
| BB0t | 18,747 | 22 | 10 | 295 | 2015 | 64 22,71822 | 16 5,04783 | 1584,1 | 0,0 | -66,9 | 1517,3 | 640691,07 | 433975,34 | K |
| BB10 | 12,000 | 27 | 5 | 147 | 1998 | 64 29,84449 | 17 39,02107 | 1643,4 | -0,8 | -61,8 | 1580,8 | 564856,30 | 444663,10 | P |
| Baf15-02 | 14,440 | 10 | 6 | 161 | 2015 | 64 37,24343 | 17 25,99534 | 1942,9 | 0,0 | -67,9 | 1875,0 | 574945,90 | 458646,66 | K |
| Baf15-02 | 12,739 | 26 | 10 | 299 | 2015 | 64 37,24339 | 17 25,99003 | 1943,1 | 0,0 | -67,9 | 1875,2 | 574950,14 | 458646,68 | K |
| Baf15-03 | 15,943 | 10 | 6 | 161 | 2015 | 64 38,00043 | 17 23,98234 | 1910,7 | 0,0 | -67,9 | 1842,8 | 576514,84 | 460092,91 | K |
| Baf15-03 | 16,018 | 26 | 10 | 299 | 2015 | 64 37,99998 | 17 23,97721 | 1912,0 | 0,0 | -67,9 | 1844,1 | 576518,94 | 460092,18 | K |
| Barc-b | 12,119 | 10 | 5 | 130 | 2015 | 64 38,40957 | 17 26,76607 | 1940,0 | 0,0 | -67,9 | 1872,2 | 574278,30 | 460797,53 | K |
| Barc-c | 14,264 | 4 | 6 | 155 | 2015 | 64 38,40953 | 17 26,76414 | 1942,7 | 0,0 | -67,9 | 1874,9 | 574279,84 | 460797,49 | K |
| BBs01a | 10,562 | 10 | 5 | 130 | 2015 | 64 36,94568 | 17 26,21274 | 1956,9 | 0,0 | -67,9 | 1889,0 | 574786,28 | 458089,33 | K |
| BBs01a | 12,365 | 4 | 6 | 155 | 2015 | 64 36,94561 | 17 26,21132 | 1959,2 | 0,0 | -67,9 | 1891,4 | 574787,42 | 458089,21 | K |
| BBs01a | 18,482 | 26 | 10 | 299 | 2015 | 64 36,94608 | 17 26,20591 | 1957,5 | 0,0 | -67,9 | 1889,6 | 574791,71 | 458090,21 | K |
| BBs02a | 11,150 | 10 | 5 | 130 | 2015 | 64 37,59063 | 17 26,15623 | 1936,6 | 0,0 | -67,9 | 1868,8 | 574801,70 | 459288,39 | K |
| BBs02a | 19,748 | 4 | 6 | 155 | 2015 | 64 37,59050 | 17 26,15447 | 1939,3 | 0,0 | -67,9 | 1871,4 | 574803,10 | 459288,17 | K |
| BBs02a | 12,847 | 26 | 10 | 299 | 2015 | 64 37,59091 | 17 26,14821 | 1939,0 | 0,0 | -67,9 | 1871,1 | 574808,07 | 459289,05 | K |
| BBs03a | 11,269 | 10 | 5 | 130 | 2015 | 64 38,42411 | 17 26,14777 | 1931,9 | 0,0 | -67,9 | 1864,1 | 574770,13 | 460836,69 | K |
| BBs03a | 19,247 | 4 | 6 | 155 | 2015 | 64 38,42375 | 17 26,14582 | 1935,0 | 0,0 | -67,9 | 1867,2 | 574771,69 | 460836,06 | K |
| BBs03a | 15,502 | 26 | 10 | 299 | 2015 | 64 38,42285 | 17 26,13777 | 1936,0 | 0,0 | -67,9 | 1868,2 | 574778,15 | 460834,53 | K |
| BBs04a | 11,919 | 10 | 5 | 130 | 2015 | 64 39,11983 | 17 26,16193 | 1942,3 | 0,0 | -67,9 | 1874,5 | 574726,87 | 462128,64 | K |
| BBs04a | 19,577 | 4 | 6 | 155 | 2015 | 64 39,11942 | 17 26,16030 | 1945,1 | 0,0 | -67,9 | 1877,2 | 574728,19 | 462127,93 | K |
| BBs04a | 18,054 | 26 | 10 | 299 | 2015 | 64 39,11869 | 17 26,15339 | 1944,7 | 0,0 | -67,9 | 1876,8 | 574733,72 | 462126,69 | K |

| | | | | | | | | | | | | | | | | |
|--------|--------|----|----|-----|------|----|----------|----|----------|--------|-----|-------|--------|-----------|-----------|---|
| BBs05a | 11,784 | 10 | 5 | 130 | 2015 | 64 | 39,57832 | 17 | 26,13510 | 1969,6 | 0,0 | -67,9 | 1901,7 | 574727,15 | 462980,79 | K |
| BBs05a | 19,455 | 4 | 6 | 155 | 2015 | 64 | 39,57789 | 17 | 26,13364 | 1971,6 | 0,0 | -67,9 | 1903,8 | 574728,34 | 462980,03 | K |
| BBs05a | 17,865 | 26 | 10 | 299 | 2015 | 64 | 39,57741 | 17 | 26,12769 | 1967,9 | 0,0 | -67,9 | 1900,0 | 574733,09 | 462979,26 | K |
| BBs06a | 11,377 | 10 | 5 | 130 | 2015 | 64 | 38,44600 | 17 | 24,61173 | 1913,1 | 0,0 | -67,9 | 1845,3 | 575992,57 | 460907,86 | K |
| BBs06a | 19,369 | 4 | 6 | 155 | 2015 | 64 | 38,44562 | 17 | 24,61054 | 1916,0 | 0,0 | -67,9 | 1848,2 | 575993,55 | 460907,19 | K |
| BBs06a | 15,683 | 26 | 10 | 299 | 2015 | 64 | 38,44523 | 17 | 24,60573 | 1916,9 | 0,0 | -67,9 | 1849,1 | 575997,40 | 460906,56 | K |
| BBs07a | 11,541 | 10 | 5 | 130 | 2015 | 64 | 38,46438 | 17 | 23,23316 | 1928,5 | 0,0 | -67,9 | 1860,6 | 577089,73 | 460969,82 | K |
| BBs07a | 18,608 | 4 | 6 | 155 | 2015 | 64 | 38,46401 | 17 | 23,23236 | 1930,8 | 0,0 | -67,9 | 1863,0 | 577090,38 | 460969,15 | K |
| BBs07a | 16,241 | 26 | 10 | 299 | 2015 | 64 | 38,46563 | 17 | 23,22937 | 1928,7 | 0,0 | -67,9 | 1860,9 | 577092,70 | 460972,20 | K |
| BBs08a | 11,698 | 10 | 5 | 130 | 2015 | 64 | 39,03870 | 17 | 23,20620 | 1942,7 | 0,0 | -67,8 | 1874,9 | 577083,97 | 462037,10 | K |
| BBs08a | 18,757 | 4 | 6 | 155 | 2015 | 64 | 39,03850 | 17 | 23,20480 | 1945,0 | 0,0 | -67,8 | 1877,2 | 577085,10 | 462036,76 | K |
| BBs08a | 17,639 | 26 | 10 | 299 | 2015 | 64 | 39,03883 | 17 | 23,20057 | 1941,4 | 0,0 | -67,8 | 1873,6 | 577088,45 | 462037,47 | K |
| BBs09a | 11,016 | 10 | 5 | 130 | 2015 | 64 | 37,12836 | 17 | 23,75551 | 1918,7 | 0,0 | -67,9 | 1850,9 | 576736,67 | 458477,72 | K |
| BBs09a | 19,872 | 4 | 6 | 155 | 2015 | 64 | 37,12758 | 17 | 23,75374 | 1920,1 | 0,0 | -67,9 | 1852,3 | 576738,12 | 458476,30 | K |
| BBs10a | 12,219 | 10 | 5 | 130 | 2015 | 64 | 38,46092 | 17 | 28,58483 | 1967,2 | 0,0 | -67,9 | 1899,3 | 572827,30 | 460857,63 | K |
| BBs10a | 15,957 | 4 | 6 | 155 | 2015 | 64 | 38,46055 | 17 | 28,58287 | 1969,7 | 0,0 | -67,9 | 1901,8 | 572828,88 | 460856,98 | K |
| BBs10a | 14,315 | 26 | 10 | 299 | 2015 | 64 | 38,45956 | 17 | 28,57450 | 1968,6 | 0,0 | -67,9 | 1900,7 | 572835,59 | 460855,30 | K |
| BBs11a | 12,333 | 10 | 5 | 130 | 2015 | 64 | 38,87474 | 17 | 29,92009 | 2006,1 | 0,0 | -67,9 | 1938,2 | 571745,49 | 461600,84 | K |
| BBs11a | 14,917 | 4 | 6 | 155 | 2015 | 64 | 38,87444 | 17 | 29,91885 | 2005,5 | 0,0 | -67,9 | 1937,6 | 571746,49 | 461600,31 | K |
| BBs11a | 14,176 | 26 | 10 | 299 | 2015 | 64 | 38,87323 | 17 | 29,91142 | 2003,3 | 0,0 | -67,9 | 1935,4 | 571752,46 | 461598,21 | K |
| BBs12a | 12,543 | 10 | 5 | 130 | 2015 | 64 | 37,55404 | 17 | 28,81235 | 1970,8 | 0,0 | -67,9 | 1902,9 | 572686,58 | 459168,77 | K |
| BBs12a | 16,130 | 4 | 6 | 155 | 2015 | 64 | 37,55380 | 17 | 28,81097 | 1973,0 | 0,0 | -67,9 | 1905,1 | 572687,70 | 459168,36 | K |
| BBs12a | 13,007 | 26 | 10 | 299 | 2015 | 64 | 37,55350 | 17 | 28,80532 | 1971,3 | 0,0 | -67,9 | 1903,4 | 572692,21 | 459167,92 | K |
| BBs13a | 12,819 | 10 | 5 | 130 | 2015 | 64 | 37,26546 | 17 | 30,53509 | 1986,9 | 0,0 | -67,9 | 1919,0 | 571326,28 | 458600,05 | K |
| BBs13a | 15,417 | 4 | 6 | 155 | 2015 | 64 | 37,26522 | 17 | 30,53492 | 1986,9 | 0,0 | -67,9 | 1916,1 | 571326,42 | 458599,59 | K |
| BBth01 | 11,390 | 7 | 6 | 158 | 2015 | 64 | 33,46345 | 17 | 16,54235 | 1713,7 | 0,0 | -67,8 | 1645,9 | 582672,12 | 451822,25 | K |
| BBth02 | 11,544 | 7 | 6 | 158 | 2015 | 64 | 33,51497 | 17 | 18,02698 | 1739,8 | 0,0 | -67,8 | 1672,1 | 581483,48 | 451885,82 | K |
| BBth03 | 11,784 | 7 | 6 | 158 | 2015 | 64 | 33,60271 | 17 | 20,11217 | 1768,3 | 0,0 | -67,8 | 1700,5 | 579813,37 | 452004,44 | K |
| BBth04 | 11,939 | 7 | 6 | 158 | 2015 | 64 | 33,98634 | 17 | 21,41481 | 1785,1 | 0,0 | -67,8 | 1717,3 | 578754,23 | 452689,76 | K |
| BBth05 | 12,132 | 7 | 6 | 158 | 2015 | 64 | 33,96863 | 17 | 24,97401 | 1827,4 | 0,0 | -67,8 | 1759,5 | 575912,41 | 452584,30 | K |
| BBth06 | 12,359 | 7 | 6 | 158 | 2015 | 64 | 36,65787 | 17 | 27,51429 | 1978,6 | 0,0 | -67,9 | 1910,7 | 573761,67 | 457529,24 | K |
| BBth07 | 12,557 | 7 | 6 | 158 | 2015 | 64 | 36,09840 | 17 | 27,52397 | 1981,2 | 0,0 | -67,9 | 1913,3 | 573779,29 | 456489,88 | K |
| BBth08 | 12,732 | 7 | 6 | 158 | 2015 | 64 | 37,16217 | 17 | 29,56078 | 1981,8 | 0,0 | -67,9 | 1914,0 | 572107,48 | 458426,61 | K |
| BBth09 | 12,903 | 7 | 6 | 158 | 2015 | 64 | 36,50736 | 17 | 30,56144 | 1980,0 | 0,0 | -67,9 | 1912,1 | 571338,48 | 457191,40 | K |
| BBth10 | 13,130 | 7 | 6 | 158 | 2015 | 64 | 35,98105 | 17 | 30,92354 | 1961,0 | 0,0 | -67,9 | 1893,1 | 571072,68 | 456206,99 | K |
| BBth11 | 13,279 | 7 | 6 | 158 | 2015 | 64 | 36,07586 | 17 | 31,41549 | 1963,0 | 0,0 | -67,9 | 1895,1 | 570766,12 | 456373,89 | K |
| BBth12 | 13,511 | 7 | 6 | 158 | 2015 | 64 | 36,55801 | 17 | 34,54302 | 1964,3 | 0,0 | -67,9 | 1896,4 | 568161,10 | 457212,25 | K |
| BBth13 | 13,759 | 7 | 6 | 158 | 2015 | 64 | 37,23420 | 17 | 32,63153 | 1996,4 | 0,0 | -67,9 | 1928,5 | 569656,52 | 458503,02 | K |
| BBth14 | 13,976 | 7 | 6 | 158 | 2015 | 64 | 38,17677 | 17 | 32,57030 | 2025,3 | 0,0 | -67,9 | 1957,4 | 569664,96 | 460254,97 | K |
| BBth15 | 14,139 | 7 | 6 | 158 | 2015 | 64 | 38,07818 | 17 | 30,51753 | 1995,5 | 0,0 | -67,9 | 1927,6 | 571304,65 | 460109,99 | K |
| BBth16 | 14,361 | 7 | 6 | 158 | 2015 | 64 | 39,13895 | 17 | 30,53941 | 2016,8 | 0,0 | -67,9 | 1948,9 | 571240,73 | 462079,94 | K |
| BBth17 | 14,544 | 7 | 6 | 158 | 2015 | 64 | 38,55532 | 17 | 28,79938 | 1974,2 | 0,0 | -67,9 | 1906,4 | 572652,20 | 461028,87 | K |
| BBth18 | 15,346 | 7 | 6 | 158 | 2015 | 64 | 39,53910 | 17 | 26,70679 | 1971,7 | 0,0 | -67,9 | 1903,9 | 574273,90 | 462896,72 | K |
| BBth19 | 15,569 | 7 | 6 | 158 | 2015 | 64 | 39,10424 | 17 | 22,87798 | 1936,8 | 0,0 | -67,8 | 1868,9 | 577342,18 | 462165,53 | K |
| BBth20 | 15,730 | 7 | 6 | 158 | 2015 | 64 | 38,95121 | 17 | 23,52102 | 1940,9 | 0,0 | -67,9 | 1873,1 | 576837,45 | 461868,22 | K |
| BBth21 | 15,907 | 7 | 6 | 158 | 2015 | 64 | 38,68147 | 17 | 24,76945 | 1918,3 | 0,0 | -67,9 | 1850,4 | 575855,97 | 461342,07 | K |
| BBth22 | 16,059 | 7 | 6 | 158 | 2015 | 64 | 38,41839 | 17 | 25,63790 | 1926,2 | 0,0 | -67,9 | 1858,3 | 575176,51 | 460836,12 | K |
| BBth23 | 16,330 | 7 | 6 | 158 | 2015 | 64 | 37,67900 | 17 | 27,56746 | 1953,8 | 0,0 | -67,9 | 1886,0 | 573673,05 | 459424,91 | K |
| BBth24 | 16,661 | 7 | 6 | 158 | 2015 | 64 | 37,17276 | 17 | 24,58148 | 1937,6 | 0,0 | -67,9 | 1869,7 | 576076,18 | 458543,53 | K |
| BBth25 | 16,909 | 7 | 6 | 158 | 2015 | 64 | 38,00184 | 17 | 21,40752 | 1883,8 | 0,0 | -67,8 | 1816,0 | 578566,14 | 460148,17 | K |
| BBth26 | 17,148 | 7 | 6 | 158 | 2015 | 64 | 37,61537 | 17 | 20,54231 | 1848,9 | 0,0 | -67,8 | 1781,0 | 579274,28 | 459448,35 | K |
| BBth27 | 17,455 | 7 | 6 | 158 | 2015 | 64 | 36,73985 | 17 | 17,97559 | 1728,9 | 0,0 | -67,8 | 1661,1 | 581363,39 | 457876,57 | K |
| BBth28 | 17,696 | 7 | 6 | 158 | 2015 | 64 | 35,05556 | 17 | 16,31729 | 1678,7 | 0,0 | -67,7 | 1611,0 | 582771,07 | 454784,19 | K |
| BBth29 | 15,465 | 10 | 6 | 161 | 2015 | 64 | 35,05646 | 17 | 20,40528 | 1787,3 | 0,0 | -67,8 | 1719,5 | 579508,30 | 454698,42 | K |
| BBth30 | 16,198 | 10 | 6 | 161 | 2015 | 64 | 39,98922 | 17 | 14,59806 | 1565,8 | 0,0 | -67,7 | 1498,1 | 583888,50 | 463985,21 | K |
| BBth31 | 16,343 | 10 | 6 | 161 | 2015 | 64 | 42,04105 | 17 | 15,21536 | 1529,8 | 0,0 | -67,6 | 1462,2 | 583292,02 | 467782,44 | K |
| BBth32 | 16,638 | 10 | 6 | 161 | 2015 | 64 | 43,10742 | 17 | 19,93544 | 1570,0 | 0,0 | -67,7 | 1502,4 | 579488,71 | 469661,75 | K |
| BBth33 | 16,980 | 10 | 6 | 161 | 2015 | 64 | 41,58532 | 17 | 24,75406 | 1721,8 | 0,0 | -67,8 | 1653,9 | 575732,76 | 466736,02 | K |
| BBth34 | 17,230 | 10 | 6 | 161 | 2015 | 64 | 42,05336 | 17 | 21,31144 | 1625,7 | 0,0 | -67,8 | 1558,0 | 578446,85 | 467675,34 | K |
| BBth35 | 17,500 | 10 | 6 | 161 | 2015 | 64 | 40,98873 | 17 | 18,10609 | 1605,2 | 0,0 | -67,7 | 1537,5 | 581047,30 | 465765,33 | K |

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|---------|--------|----|----|-----|------|----|----------|----|----------|--------|------|-------|--------|-----------|-----------|---|
| BBth36 | 18,251 | 10 | 6 | 161 | 2015 | 64 | 39,93335 | 17 | 20,89302 | 1770,3 | 0,0 | -67,8 | 1702,5 | 578882,29 | 463746,37 | K |
| BBth37 | 19,105 | 10 | 6 | 161 | 2015 | 64 | 35,83747 | 17 | 23,64279 | 1898,2 | 0,0 | -67,8 | 1830,4 | 576887,44 | 456082,30 | K |
| BBth38 | 19,554 | 10 | 6 | 161 | 2015 | 64 | 35,10291 | 17 | 23,67624 | 1849,5 | 0,0 | -67,8 | 1781,6 | 576895,41 | 454717,25 | K |
| BBth39 | 19,762 | 10 | 6 | 161 | 2015 | 64 | 35,56981 | 17 | 27,62782 | 1901,3 | 0,0 | -67,9 | 1833,5 | 573720,37 | 455506,02 | K |
| BBth40 | 19,955 | 10 | 6 | 161 | 2015 | 64 | 35,17402 | 17 | 27,66372 | 1863,8 | 0,0 | -67,9 | 1795,9 | 573709,63 | 454770,17 | K |
| BBth41 | 20,197 | 10 | 6 | 161 | 2015 | 64 | 34,11810 | 17 | 27,69594 | 1827,9 | 0,0 | -67,9 | 1760,0 | 573731,65 | 452808,24 | K |
| BBth42 | 20,512 | 10 | 6 | 161 | 2015 | 64 | 35,54774 | 17 | 31,73646 | 1922,7 | 0,0 | -67,9 | 1854,8 | 570442,91 | 455386,95 | K |
| BBth43 | 20,675 | 10 | 6 | 161 | 2015 | 64 | 34,94395 | 17 | 32,82432 | 1826,0 | 0,0 | -67,9 | 1758,2 | 569600,63 | 454245,33 | K |
| BBth44 | 20,841 | 10 | 6 | 161 | 2015 | 64 | 34,69901 | 17 | 34,55456 | 1789,1 | 0,0 | -67,8 | 1721,3 | 568229,70 | 453758,91 | K |
| BBth45 | 21,032 | 10 | 6 | 161 | 2015 | 64 | 34,07272 | 17 | 36,02425 | 1742,1 | 0,0 | -67,8 | 1674,3 | 567082,08 | 452569,35 | K |
| BBth46 | 21,189 | 10 | 6 | 161 | 2015 | 64 | 33,58608 | 17 | 38,45586 | 1685,0 | 0,0 | -67,8 | 1617,2 | 565159,39 | 451623,01 | K |
| BBth47 | 21,630 | 10 | 6 | 161 | 2015 | 64 | 32,91049 | 17 | 27,80362 | 1801,6 | 0,0 | -67,8 | 1733,7 | 573700,19 | 450563,07 | K |
| BBth48 | 13,197 | 12 | 6 | 163 | 2015 | 64 | 39,88481 | 17 | 30,46323 | 2035,5 | 0,0 | -67,9 | 1967,6 | 571268,68 | 463466,79 | K |
| BBth49 | 13,833 | 12 | 6 | 163 | 2015 | 64 | 39,19887 | 17 | 32,47800 | 2067,1 | 0,0 | -67,9 | 1999,2 | 569694,68 | 462155,22 | K |
| BBth50 | 16,789 | 12 | 6 | 163 | 2015 | 64 | 39,43393 | 17 | 35,27352 | 1616,9 | 0,0 | -67,9 | 1549,1 | 567459,19 | 462541,30 | K |
| Boraj | 18,907 | 2 | 6 | 153 | 2015 | 64 | 24,94475 | 17 | 20,15923 | 1472,8 | 0,0 | -67,7 | 1405,1 | 580199,15 | 435922,56 | K |
| Boraj | 14,615 | 25 | 10 | 298 | 2015 | 64 | 24,94347 | 17 | 20,15991 | 1471,0 | 0,0 | -67,7 | 1403,3 | 580198,67 | 435920,18 | K |
| BORTHNb | 11,857 | 5 | 2 | 36 | 2015 | 64 | 25,07689 | 17 | 19,15644 | 1497,1 | -2,7 | -67,7 | 1426,7 | 580997,94 | 436189,29 | K |
| BORTHNb | 13,880 | 25 | 10 | 298 | 2015 | 64 | 25,07165 | 17 | 19,16093 | 1474,9 | 0,0 | -67,7 | 1407,2 | 580994,61 | 436179,47 | K |
| Br1j | 16,083 | 15 | 4 | 105 | 2015 | 64 | 5,55587 | 16 | 19,49749 | 157,4 | -1,7 | -65,8 | 89,9 | 630427,30 | 401601,97 | K |
| Br1k | 17,679 | 15 | 4 | 105 | 2015 | 64 | 5,73743 | 16 | 19,69708 | 198,0 | -1,7 | -65,9 | 130,5 | 630250,96 | 401932,17 | K |
| Br2k | 15,326 | 15 | 4 | 105 | 2015 | 64 | 6,38482 | 16 | 22,54074 | 291,8 | -1,7 | -66,0 | 224,1 | 627891,82 | 403037,21 | K |
| Br3q | 14,523 | 15 | 4 | 105 | 2015 | 64 | 8,48956 | 16 | 24,07430 | 463,9 | -1,7 | -66,3 | 395,9 | 626486,21 | 406893,17 | K |
| Br4d | 13,514 | 15 | 4 | 105 | 2015 | 64 | 10,57340 | 16 | 20,24785 | 574,7 | -1,7 | -66,3 | 506,7 | 629425,37 | 410890,75 | K |
| Br4e | 13,699 | 15 | 4 | 105 | 2015 | 64 | 10,56907 | 16 | 20,24269 | 574,4 | -1,7 | -66,3 | 506,4 | 629429,89 | 410882,89 | K |
| Br7s | 11,991 | 13 | 5 | 133 | 2015 | 64 | 22,14325 | 16 | 16,93905 | 1314,7 | 0,0 | -67,0 | 1247,7 | 631180,54 | 432481,94 | K |
| Br7s | 18,315 | 22 | 10 | 295 | 2015 | 64 | 22,11632 | 16 | 16,93210 | 1310,7 | 0,0 | -67,0 | 1243,7 | 631188,28 | 432432,19 | K |
| Brut | 18,540 | 11 | 5 | 131 | 2015 | 64 | 41,00406 | 15 | 55,22618 | 833,9 | 0,0 | -66,7 | 767,2 | 646928,85 | 468284,60 | K |
| Brut | 16,153 | 23 | 10 | 296 | 2015 | 64 | 41,00414 | 15 | 55,22590 | 827,7 | 0,0 | -66,7 | 761,0 | 646929,07 | 468284,77 | K |
| Budt | 8,821 | 12 | 5 | 132 | 2015 | 64 | 35,98889 | 15 | 59,87549 | 1204,4 | 0,0 | -66,9 | 1137,5 | 643676,95 | 458799,10 | K |
| Budt | 16,639 | 23 | 10 | 296 | 2015 | 64 | 35,99967 | 15 | 59,87293 | 1201,1 | 0,0 | -66,9 | 1134,2 | 643678,04 | 458819,20 | K |
| D05s | 11,941 | 10 | 5 | 130 | 2015 | 64 | 42,24929 | 16 | 54,65341 | 1270,2 | 0,0 | -67,4 | 1202,9 | 599618,22 | 468664,95 | K |
| D05s | 15,871 | 24 | 10 | 297 | 2015 | 64 | 42,25558 | 16 | 54,64422 | 1267,8 | 0,0 | -67,3 | 1200,4 | 599625,13 | 468676,88 | K |
| D07s | 10,832 | 10 | 5 | 130 | 2015 | 64 | 38,29460 | 16 | 59,23677 | 1440,5 | 0,0 | -67,5 | 1373,0 | 596210,78 | 461202,68 | K |
| D07s | 15,284 | 24 | 10 | 297 | 2015 | 64 | 38,30513 | 16 | 59,22726 | 1438,2 | 0,0 | -67,5 | 1370,7 | 596217,73 | 461222,48 | K |
| D09r | 9,675 | 10 | 5 | 130 | 2015 | 64 | 31,81257 | 17 | 0,55283 | 1650,8 | 0,0 | -67,6 | 1583,2 | 595541,85 | 449131,88 | K |
| D09r | 14,662 | 24 | 10 | 297 | 2015 | 64 | 31,81592 | 17 | 0,55411 | 1649,1 | 0,0 | -67,6 | 1581,6 | 595540,63 | 449138,07 | K |
| D12s | 20,250 | 9 | 5 | 129 | 2015 | 64 | 28,97246 | 17 | 0,16611 | 1717,2 | 0,0 | -67,6 | 1649,7 | 596017,75 | 443867,36 | K |
| D12s | 13,941 | 24 | 10 | 297 | 2015 | 64 | 28,97288 | 17 | 0,16598 | 1714,8 | 0,0 | -67,6 | 1647,2 | 596017,83 | 443868,14 | K |
| E01t | 14,683 | 12 | 5 | 132 | 2015 | 64 | 41,05450 | 15 | 34,11475 | 775,0 | 0,0 | -66,7 | 708,3 | 663695,56 | 469242,64 | K |
| E01t | 13,973 | 23 | 10 | 296 | 2015 | 64 | 41,05424 | 15 | 34,11538 | 769,1 | 0,0 | -66,7 | 702,4 | 663695,08 | 469242,14 | K |
| E02t | 15,389 | 12 | 5 | 132 | 2015 | 64 | 39,13767 | 15 | 35,97370 | 1020,9 | 0,0 | -66,8 | 954,1 | 662410,45 | 465606,46 | K |
| E02t | 10,683 | 23 | 10 | 296 | 2015 | 64 | 39,14695 | 15 | 35,97032 | 1017,3 | 0,0 | -66,8 | 950,5 | 662412,21 | 465623,82 | K |
| E03u | 16,339 | 12 | 5 | 132 | 2015 | 64 | 36,66391 | 15 | 36,91831 | 1256,0 | 0,0 | -66,9 | 1189,2 | 661905,20 | 460976,45 | K |
| E03u | 10,221 | 23 | 10 | 296 | 2015 | 64 | 36,66930 | 15 | 36,92098 | 1252,1 | 0,0 | -66,9 | 1185,2 | 661902,54 | 460986,34 | K |
| E04t | 17,111 | 12 | 5 | 132 | 2015 | 64 | 34,95203 | 15 | 37,09281 | 1357,3 | 0,0 | -66,8 | 1290,5 | 661936,28 | 457792,90 | K |
| E04t | 9,865 | 23 | 10 | 296 | 2015 | 64 | 34,95296 | 15 | 37,09244 | 1353,2 | 0,0 | -66,8 | 1286,4 | 661936,48 | 457794,63 | K |
| FI01f | 9,105 | 13 | 5 | 133 | 2015 | 64 | 26,16841 | 15 | 55,63035 | 1415,3 | 0,0 | -66,8 | 1348,5 | 647947,04 | 440736,93 | K |
| FI01f | 19,668 | 22 | 10 | 295 | 2015 | 64 | 26,16191 | 15 | 55,61507 | 1410,9 | 0,0 | -66,8 | 1344,1 | 647959,87 | 440725,47 | K |
| G02l | 11,294 | 4 | 6 | 155 | 2015 | 64 | 26,84971 | 17 | 17,72319 | 1633,2 | 0,0 | -67,7 | 1565,5 | 582060,06 | 439512,83 | K |
| G02l | 15,087 | 25 | 10 | 298 | 2015 | 64 | 26,84689 | 17 | 17,72624 | 1628,9 | 0,0 | -67,7 | 1561,2 | 582057,76 | 439507,53 | K |
| G03m | 11,475 | 4 | 6 | 155 | 2015 | 64 | 28,44310 | 17 | 16,33972 | 1727,6 | 0,0 | -67,7 | 1659,8 | 583088,89 | 442502,36 | K |
| G03m | 15,626 | 25 | 10 | 298 | 2015 | 64 | 28,44162 | 17 | 16,34095 | 1723,5 | 0,0 | -67,7 | 1655,7 | 583087,98 | 442499,59 | K |
| G04t | 11,677 | 4 | 6 | 155 | 2015 | 64 | 30,00217 | 17 | 15,00141 | 1757,1 | 0,0 | -67,7 | 1689,4 | 584081,16 | 445427,52 | K |
| G04t | 13,301 | 25 | 10 | 298 | 2015 | 64 | 30,00291 | 17 | 15,00100 | 1753,6 | 0,0 | -67,7 | 1685,9 | 584081,45 | 445428,89 | K |
| gb2e | 9,812 | 12 | 5 | 132 | 2015 | 64 | 34,10379 | 16 | 0,01906 | 1270,2 | 0,0 | -66,9 | 1203,3 | 643728,65 | 455295,10 | K |
| gb2e | 9,558 | 23 | 10 | 296 | 2015 | 64 | 34,11227 | 16 | 0,02085 | 1267,2 | 0,0 | -66,9 | 1200,3 | 643726,48 | 455310,78 | K |
| Go1s | 12,130 | 4 | 6 | 155 | 2015 | 64 | 33,98681 | 17 | 24,98493 | 1827,7 | 0,0 | -67,8 | 1759,9 | 575902,85 | 452617,84 | K |
| HAABo | 11,418 | 5 | 6 | 156 | 2015 | 64 | 20,96587 | 17 | 24,11268 | 1801,1 | 0,0 | -67,5 | 1733,5 | 577211,02 | 428450,21 | K |
| HAABo | 18,893 | 25 | 10 | 298 | 2015 | 64 | 20,96622 | 17 | 24,11319 | 1796,4 | 0,0 | -67,5 | 1728,9 | 577210,60 | 428450,85 | K |

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|---------|--------|----|----|-----|------|----|----------|----|----------|--------|------|-------|--------|-----------|-----------|---|
| Hof01m | 18,647 | 12 | 5 | 132 | 2015 | 64 | 32,31340 | 15 | 35,83751 | 1208,6 | 0,0 | -66,7 | 1141,9 | 663200,91 | 452951,20 | K |
| Hof01m | 10,968 | 23 | 10 | 296 | 2015 | 64 | 32,30599 | 15 | 35,83764 | 1204,3 | 0,0 | -66,7 | 1137,7 | 663201,54 | 452937,43 | K |
| K01v | 14,769 | 9 | 5 | 129 | 2015 | 64 | 35,16528 | 17 | 51,79174 | 1127,7 | 0,0 | -67,6 | 1060,1 | 554451,60 | 454346,31 | K |
| K01v | 11,069 | 26 | 10 | 299 | 2015 | 64 | 35,16639 | 17 | 51,79694 | 1123,9 | 0,0 | -67,6 | 1056,3 | 554447,41 | 454348,30 | K |
| K02x | 15,589 | 9 | 5 | 129 | 2015 | 64 | 34,81078 | 17 | 49,67676 | 1245,9 | 0,0 | -67,6 | 1178,3 | 556152,04 | 453718,59 | K |
| K02x | 10,532 | 26 | 10 | 299 | 2015 | 64 | 34,81329 | 17 | 49,68103 | 1242,3 | 0,0 | -67,6 | 1174,7 | 556148,54 | 453723,20 | K |
| K03v | 16,326 | 9 | 5 | 129 | 2015 | 64 | 34,24783 | 17 | 46,39480 | 1364,5 | 0,0 | -67,7 | 1296,9 | 558792,61 | 452722,55 | K |
| K03v | 10,412 | 26 | 10 | 299 | 2015 | 64 | 34,24975 | 17 | 46,40777 | 1361,6 | 0,0 | -67,7 | 1294,0 | 558782,18 | 452725,91 | K |
| K04x | 17,259 | 9 | 5 | 129 | 2015 | 64 | 33,20902 | 17 | 42,25921 | 1555,8 | 0,0 | -67,7 | 1488,1 | 562135,04 | 450858,76 | K |
| K04x | 11,458 | 26 | 10 | 299 | 2015 | 64 | 33,21230 | 17 | 42,28113 | 1552,6 | 0,0 | -67,7 | 1484,9 | 562117,40 | 450864,49 | K |
| K05x | 18,165 | 9 | 5 | 129 | 2015 | 64 | 33,44931 | 17 | 35,42628 | 1749,6 | 0,0 | -67,8 | 1681,8 | 567585,50 | 451421,95 | K |
| K05x | 11,665 | 26 | 10 | 299 | 2015 | 64 | 33,44673 | 17 | 35,44077 | 1747,3 | 0,0 | -67,8 | 1679,5 | 567574,03 | 451416,90 | K |
| K06v | 17,725 | 4 | 6 | 155 | 2015 | 64 | 38,35627 | 17 | 31,36516 | 2021,8 | 0,0 | -67,9 | 1953,9 | 570617,26 | 460610,67 | K |
| K06v | 13,536 | 26 | 10 | 299 | 2015 | 64 | 38,35558 | 17 | 31,35953 | 2016,7 | 0,0 | -67,9 | 1948,8 | 570621,77 | 460609,50 | K |
| K07r | 12,826 | 9 | 5 | 129 | 2015 | 64 | 29,12145 | 17 | 42,03744 | 1602,3 | 0,0 | -67,7 | 1534,6 | 562468,36 | 443269,31 | K |
| K07r | 10,111 | 26 | 10 | 299 | 2015 | 64 | 29,12162 | 17 | 42,04007 | 1599,3 | 0,0 | -67,7 | 1531,6 | 562466,24 | 443269,58 | K |
| Ln1-1c | 15,222 | 5 | 6 | 156 | 2015 | 64 | 24,49850 | 17 | 13,00252 | 1571,7 | 0,0 | -67,6 | 1504,0 | 585969,84 | 435250,50 | K |
| Ln1-1c | 12,389 | 25 | 10 | 298 | 2015 | 64 | 24,49729 | 17 | 13,00404 | 1568,2 | -1,0 | -67,6 | 1499,6 | 585968,69 | 435248,22 | K |
| Ln1-2c | 15,116 | 5 | 6 | 156 | 2015 | 64 | 24,74378 | 17 | 12,01857 | 1595,1 | 0,0 | -67,6 | 1527,4 | 586747,23 | 435728,46 | K |
| Ln1-2c | 12,653 | 25 | 10 | 298 | 2015 | 64 | 24,74115 | 17 | 12,01931 | 1591,0 | -1,0 | -67,6 | 1522,4 | 586746,78 | 435723,55 | K |
| Ln1-3c | 15,021 | 5 | 6 | 156 | 2015 | 64 | 24,99311 | 17 | 11,00078 | 1600,7 | 0,0 | -67,6 | 1533,1 | 587551,34 | 436214,91 | K |
| Ln1-3c | 12,741 | 25 | 10 | 298 | 2015 | 64 | 24,99074 | 17 | 11,00238 | 1597,1 | -1,0 | -67,6 | 1528,5 | 587550,19 | 436210,47 | K |
| Ln1-4c | 14,914 | 5 | 6 | 156 | 2015 | 64 | 25,24086 | 17 | 10,01627 | 1627,0 | 0,0 | -67,6 | 1559,3 | 588328,56 | 436697,86 | K |
| Ln1-4c | 12,858 | 25 | 10 | 298 | 2015 | 64 | 25,23825 | 17 | 10,01868 | 1623,2 | -1,0 | -67,6 | 1554,6 | 588326,77 | 436692,95 | K |
| Ln1-5c | 14,769 | 5 | 6 | 156 | 2015 | 64 | 25,74291 | 17 | 8,00462 | 1667,0 | 0,0 | -67,6 | 1599,4 | 589916,13 | 437677,54 | K |
| Ln1-5c | 12,987 | 25 | 10 | 298 | 2015 | 64 | 25,73997 | 17 | 8,00456 | 1663,7 | -1,0 | -67,6 | 1595,1 | 589916,34 | 437672,07 | K |
| S01k | 18,364 | 7 | 5 | 127 | 2015 | 64 | 6,99873 | 17 | 49,96156 | 802,9 | 0,0 | -66,8 | 736,0 | 556878,78 | 402048,09 | K |
| S01k | 16,051 | 26 | 10 | 299 | 2015 | 64 | 6,99848 | 17 | 49,96097 | 797,7 | 0,0 | -66,8 | 730,8 | 556879,27 | 402047,64 | K |
| S02n | 19,294 | 7 | 5 | 127 | 2015 | 64 | 12,16639 | 17 | 48,95431 | 1076,7 | 0,0 | -67,1 | 1009,6 | 557516,85 | 411663,32 | K |
| S02n | 15,669 | 26 | 10 | 299 | 2015 | 64 | 12,15794 | 17 | 48,95786 | 1072,1 | 0,0 | -67,1 | 1005,0 | 557514,27 | 411647,58 | K |
| S04o | 17,159 | 7 | 5 | 127 | 2015 | 64 | 16,18013 | 17 | 48,20573 | 1227,2 | 0,0 | -67,2 | 1160,0 | 557981,66 | 419131,01 | K |
| S04o | 15,339 | 26 | 10 | 299 | 2015 | 64 | 16,16828 | 17 | 48,21802 | 1223,9 | 0,0 | -67,2 | 1156,7 | 557972,15 | 419108,82 | K |
| Skf01f | 13,425 | 13 | 5 | 133 | 2015 | 64 | 17,99550 | 16 | 5,00522 | 1351,2 | 0,0 | -66,6 | 1284,6 | 641130,01 | 425211,41 | K |
| Skf01f | 17,715 | 22 | 10 | 295 | 2015 | 64 | 17,99295 | 16 | 4,98861 | 1346,7 | 0,0 | -66,6 | 1280,0 | 641143,61 | 425207,29 | K |
| T01np | 9,165 | 7 | 5 | 127 | 2015 | 64 | 19,48657 | 18 | 8,22771 | 805,8 | 0,0 | -67,3 | 738,5 | 541729,09 | 425010,47 | K |
| T01np | 17,284 | 26 | 10 | 299 | 2015 | 64 | 19,48633 | 18 | 8,22699 | 799,2 | 0,0 | -67,3 | 731,9 | 541729,67 | 425010,03 | K |
| T02nr | 10,500 | 7 | 5 | 127 | 2015 | 64 | 19,59837 | 18 | 3,96214 | 1006,5 | 0,0 | -67,3 | 939,3 | 545163,88 | 425267,03 | K |
| T02nr | 17,672 | 26 | 10 | 299 | 2015 | 64 | 19,59854 | 18 | 3,96698 | 1001,2 | 0,0 | -67,3 | 933,9 | 545159,97 | 425267,29 | K |
| T03nr | 13,487 | 7 | 5 | 127 | 2015 | 64 | 20,20657 | 17 | 58,58444 | 1143,4 | 0,0 | -67,3 | 1076,1 | 549479,39 | 426464,02 | K |
| T03nr | 16,312 | 27 | 10 | 300 | 2015 | 64 | 20,20534 | 17 | 58,59194 | 1139,7 | 0,0 | -67,3 | 1072,4 | 549473,39 | 426461,63 | K |
| T04nr | 14,519 | 7 | 5 | 127 | 2015 | 64 | 21,33168 | 17 | 51,48294 | 1290,6 | 0,0 | -67,4 | 1223,3 | 555162,36 | 428652,14 | K |
| T04nr | 15,551 | 27 | 10 | 300 | 2015 | 64 | 21,32824 | 17 | 51,49477 | 1287,2 | 0,0 | -67,4 | 1219,9 | 555152,95 | 428645,57 | K |
| T05nr | 20,219 | 7 | 5 | 127 | 2015 | 64 | 22,28122 | 17 | 42,98271 | 1412,6 | 0,0 | -67,5 | 1345,1 | 561969,09 | 430547,31 | K |
| T05nr | 14,773 | 27 | 10 | 300 | 2015 | 64 | 22,27808 | 17 | 42,99423 | 1409,8 | 0,0 | -67,5 | 1342,4 | 561959,95 | 430541,30 | K |
| T05rorf | 14,848 | 27 | 10 | 300 | 2015 | 64 | 22,27825 | 17 | 43,04498 | 1409,2 | 2,9 | -67,5 | 1344,6 | 561919,11 | 430540,77 | K |
| T05rorg | 14,848 | 27 | 10 | 300 | 2015 | 64 | 22,27825 | 17 | 43,04498 | 1409,2 | 3,5 | -67,5 | 1345,2 | 561919,11 | 430540,77 | K |
| T06nr | 20,952 | 8 | 5 | 128 | 2015 | 64 | 24,27015 | 17 | 36,52696 | 1534,6 | 0,0 | -67,6 | 1467,0 | 567081,35 | 434351,74 | K |
| T06nr | 12,709 | 27 | 10 | 300 | 2015 | 64 | 24,26624 | 17 | 36,53849 | 1532,7 | 0,0 | -67,6 | 1465,1 | 567072,25 | 434344,28 | K |
| T07nq | 10,172 | 9 | 5 | 129 | 2015 | 64 | 25,28995 | 17 | 31,19993 | 1631,6 | 0,0 | -67,7 | 1563,9 | 571317,19 | 436343,24 | K |
| T07nq | 17,440 | 25 | 10 | 298 | 2015 | 64 | 25,28778 | 17 | 31,20874 | 1628,7 | 0,0 | -67,7 | 1561,0 | 571310,21 | 436339,03 | K |
| T08nr | 11,107 | 9 | 5 | 129 | 2015 | 64 | 26,29155 | 17 | 27,75127 | 1705,3 | 0,0 | -67,8 | 1637,5 | 574041,09 | 438269,75 | K |
| T08nr | 16,609 | 25 | 10 | 298 | 2015 | 64 | 26,29114 | 17 | 27,75271 | 1702,7 | 0,0 | -67,8 | 1634,9 | 574039,95 | 438268,96 | K |

Appendix D: Measured surface velocity on Vatnajökull in 2015.

| Site | Calendar | | Calendar | | # of days | translation | | velocity | |
|----------|----------|-----|----------|-----|-----------|-------------|-----|----------|-----------|
| | day date | # | day date | # | | (m) | (°) | (cm/day) | (m/annum) |
| B07u | 150513 | 133 | 151022 | 295 | 162 | 1,62 | 153 | 1,00 | 3,65 |
| B09v | 150511 | 131 | 151024 | 297 | 166 | 0,28 | 274 | 0,17 | 0,61 |
| B10u | 141012 | 285 | 150511 | 131 | 211 | 0,74 | 109 | 0,35 | 1,28 |
| B10u | 150511 | 131 | 151024 | 297 | 166 | 0,10 | 280 | 0,06 | 0,23 |
| B11e | 150511 | 131 | 151024 | 297 | 166 | 4,51 | 17 | 2,72 | 9,91 |
| B12u | 150511 | 131 | 151024 | 297 | 166 | 14,54 | 22 | 8,76 | 31,97 |
| B13u | 150511 | 131 | 151023 | 296 | 165 | 19,48 | 27 | 11,81 | 43,09 |
| B13rora | 131003 | 276 | 151024 | 297 | 751 | 49,87 | 27 | 6,64 | 24,24 |
| B14x | 150510 | 130 | 151023 | 296 | 166 | 17,46 | 37 | 10,52 | 38,38 |
| B15j | 150510 | 130 | 151023 | 296 | 166 | 12,80 | 47 | 7,71 | 28,15 |
| B16x | 150510 | 130 | 151028 | 301 | 171 | 0,87 | 50 | 0,51 | 1,85 |
| B17u | 150510 | 130 | 151023 | 296 | 166 | 14,07 | 16 | 8,48 | 30,94 |
| B18s | 150512 | 132 | 151022 | 295 | 163 | 11,33 | 341 | 6,95 | 25,38 |
| B19s | 150512 | 132 | 151022 | 295 | 163 | 1,19 | 129 | 0,73 | 2,67 |
| BB0t | 150513 | 133 | 151022 | 295 | 162 | 1,34 | 275 | 0,83 | 3,02 |
| Baf15-02 | 150610 | 161 | 151026 | 299 | 138 | 4,23 | 91 | 3,07 | 11,19 |
| Baf15-03 | 150610 | 161 | 151026 | 299 | 138 | 4,17 | 102 | 3,02 | 11,03 |
| BBs01a | 150510 | 130 | 150604 | 155 | 25 | 1,14 | 97 | 4,56 | 16,63 |
| BBs01a | 150604 | 155 | 151026 | 299 | 144 | 4,40 | 79 | 3,06 | 11,15 |
| BBs02a | 150510 | 130 | 150604 | 155 | 25 | 1,42 | 100 | 5,69 | 20,77 |
| BBs02a | 150604 | 155 | 151026 | 299 | 144 | 5,05 | 81 | 3,50 | 12,79 |
| BBs03a | 150510 | 130 | 150604 | 155 | 25 | 1,69 | 113 | 6,76 | 24,67 |
| BBs03a | 150604 | 155 | 151026 | 299 | 144 | 6,62 | 105 | 4,60 | 16,79 |
| BBs04a | 150510 | 130 | 150604 | 155 | 25 | 1,50 | 120 | 6,01 | 21,95 |
| BBs04a | 150604 | 155 | 151026 | 299 | 144 | 5,66 | 104 | 3,93 | 14,36 |
| BBs05a | 150510 | 130 | 150604 | 155 | 25 | 1,41 | 124 | 5,63 | 20,57 |
| BBs05a | 150604 | 155 | 151026 | 299 | 144 | 4,82 | 101 | 3,35 | 12,21 |
| BBs06a | 150510 | 130 | 150604 | 155 | 25 | 1,18 | 127 | 4,72 | 17,23 |
| BBs06a | 150604 | 155 | 151026 | 299 | 144 | 3,90 | 101 | 2,71 | 9,88 |
| BBs07a | 150510 | 130 | 150604 | 155 | 25 | 0,94 | 137 | 3,74 | 13,66 |
| BBs07a | 150604 | 155 | 151026 | 299 | 144 | 3,83 | 38 | 2,66 | 9,71 |
| BBs08a | 150510 | 130 | 150604 | 155 | 25 | 1,17 | 108 | 4,70 | 17,15 |
| BBs08a | 150604 | 155 | 151026 | 299 | 144 | 3,42 | 80 | 2,38 | 8,68 |
| BBs09a | 150510 | 130 | 150604 | 155 | 25 | 2,02 | 136 | 8,08 | 29,48 |
| BBs10a | 150510 | 130 | 150604 | 155 | 25 | 1,70 | 114 | 6,82 | 24,89 |
| BBs10a | 150604 | 155 | 151026 | 299 | 144 | 6,91 | 105 | 4,80 | 17,52 |
| BBs11a | 150510 | 130 | 150604 | 155 | 25 | 1,13 | 119 | 4,53 | 16,54 |
| BBs11a | 150604 | 155 | 151026 | 299 | 144 | 6,33 | 111 | 4,39 | 16,03 |
| BBs12a | 150510 | 130 | 150604 | 155 | 25 | 1,19 | 112 | 4,74 | 17,32 |
| BBs12a | 150604 | 155 | 151026 | 299 | 144 | 4,54 | 97 | 3,15 | 11,50 |
| BBs13a | 150510 | 130 | 150604 | 155 | 25 | 0,46 | 163 | 1,86 | 6,78 |
| Boraj | 150602 | 153 | 151025 | 298 | 145 | 2,43 | 193 | 1,68 | 6,12 |
| BORTHNb | 141015 | 288 | 150205 | 36 | 113 | 10,76 | 187 | 9,52 | 34,75 |
| BORTHNb | 150205 | 36 | 151025 | 298 | 262 | 10,35 | 200 | 3,95 | 14,42 |

| | | | | | | | | | |
|---------|--------|-----|--------|-----|-----|--------|-----|-------|--------|
| Br1j | 140906 | 249 | 150415 | 105 | 221 | 2,75 | 139 | 1,25 | 4,55 |
| Br2k | 140906 | 249 | 150415 | 105 | 221 | 6,90 | 177 | 3,12 | 11,39 |
| Br4d | 140507 | 127 | 150415 | 105 | 343 | 296,10 | 182 | 86,33 | 315,09 |
| Br7s | 150513 | 133 | 151022 | 295 | 162 | 50,19 | 174 | 30,98 | 113,08 |
| Brut | 150511 | 131 | 151023 | 296 | 165 | 0,27 | 56 | 0,16 | 0,59 |
| Budt | 150512 | 132 | 151023 | 296 | 164 | 20,07 | 6 | 12,24 | 44,67 |
| D05s | 150510 | 130 | 151024 | 297 | 167 | 13,75 | 32 | 8,23 | 30,05 |
| D07s | 150510 | 130 | 151024 | 297 | 167 | 20,92 | 21 | 12,53 | 45,73 |
| D09r | 150510 | 130 | 151024 | 297 | 167 | 6,29 | 351 | 3,77 | 13,74 |
| D12s | 150509 | 129 | 151024 | 297 | 168 | 0,78 | 8 | 0,47 | 1,71 |
| E01t | 150512 | 132 | 151023 | 296 | 164 | 0,69 | 226 | 0,42 | 1,55 |
| E02t | 150512 | 132 | 151023 | 296 | 164 | 17,40 | 9 | 10,61 | 38,72 |
| E03u | 150512 | 132 | 151023 | 296 | 164 | 10,21 | 348 | 6,22 | 22,72 |
| E04t | 150512 | 132 | 151023 | 296 | 164 | 1,75 | 10 | 1,07 | 3,89 |
| FI01f | 150513 | 133 | 151022 | 295 | 162 | 17,18 | 134 | 10,61 | 38,71 |
| G02l | 150604 | 155 | 151025 | 298 | 143 | 5,77 | 205 | 4,03 | 14,72 |
| G03m | 150604 | 155 | 151025 | 298 | 143 | 2,91 | 200 | 2,04 | 7,43 |
| G04t | 150604 | 155 | 151025 | 298 | 143 | 1,41 | 13 | 0,99 | 3,60 |
| gb2e | 150512 | 132 | 151023 | 296 | 164 | 15,77 | 355 | 9,62 | 35,10 |
| HAABo | 150605 | 156 | 151025 | 298 | 142 | 0,77 | 328 | 0,54 | 1,97 |
| Hof01m | 150512 | 132 | 151023 | 296 | 164 | 13,72 | 180 | 8,37 | 30,54 |
| K01v | 150509 | 129 | 151026 | 299 | 170 | 4,63 | 296 | 2,72 | 9,94 |
| K02x | 150509 | 129 | 151026 | 299 | 170 | 5,76 | 324 | 3,39 | 12,38 |
| K03v | 150509 | 129 | 151026 | 299 | 170 | 10,95 | 289 | 6,44 | 23,51 |
| K04x | 150509 | 129 | 151026 | 299 | 170 | 18,54 | 289 | 10,90 | 39,80 |
| K05x | 150509 | 129 | 151026 | 299 | 170 | 12,52 | 248 | 7,37 | 26,89 |
| K06v | 150604 | 155 | 151026 | 299 | 144 | 4,66 | 106 | 3,24 | 11,82 |
| K07r | 150509 | 129 | 151026 | 299 | 170 | 2,13 | 278 | 1,25 | 4,57 |
| Ln1-1c | 150605 | 156 | 151025 | 298 | 142 | 2,55 | 209 | 1,80 | 6,56 |
| Ln1-2c | 150605 | 156 | 151025 | 298 | 142 | 4,91 | 187 | 3,46 | 12,61 |
| Ln1-3c | 150605 | 156 | 151025 | 298 | 142 | 4,57 | 196 | 3,22 | 11,76 |
| Ln1-4c | 150605 | 156 | 151025 | 298 | 142 | 5,21 | 202 | 3,67 | 13,38 |
| Ln1-5c | 150605 | 156 | 151025 | 298 | 142 | 5,45 | 179 | 3,83 | 14,00 |
| S01k | 150507 | 127 | 151026 | 299 | 172 | 0,67 | 134 | 0,39 | 1,41 |
| S02n | 150507 | 127 | 151026 | 299 | 172 | 15,91 | 190 | 9,25 | 33,76 |
| S04o | 150507 | 127 | 151026 | 299 | 172 | 24,08 | 204 | 14,00 | 51,11 |
| Skf01f | 150513 | 133 | 151022 | 295 | 162 | 14,20 | 109 | 8,77 | 32,00 |
| T01np | 150507 | 127 | 151026 | 299 | 172 | 0,73 | 127 | 0,42 | 1,55 |
| T02nr | 150507 | 127 | 151026 | 299 | 172 | 3,91 | 275 | 2,27 | 8,30 |
| T03nr | 150507 | 127 | 151027 | 300 | 173 | 6,46 | 249 | 3,73 | 13,62 |
| T04nr | 150507 | 127 | 151027 | 300 | 173 | 11,46 | 236 | 6,62 | 24,17 |
| T05nr | 150507 | 127 | 151027 | 300 | 173 | 10,94 | 238 | 6,32 | 23,08 |
| T05rorf | 141014 | 287 | 151027 | 300 | 378 | 21,07 | 239 | 5,58 | 20,35 |
| T06nr | 150508 | 128 | 151027 | 300 | 172 | 11,76 | 232 | 6,84 | 24,95 |
| T07nq | 150509 | 129 | 151025 | 298 | 169 | 8,14 | 240 | 4,81 | 17,57 |
| T08nr | 150509 | 129 | 151025 | 298 | 169 | 1,38 | 237 | 0,82 | 2,99 |

Appendix E: Melt water runoff to selected rivers in summer 2015, derived from summer balance.

ΔS : area in a given elevation range where summer balance is negative, $\Sigma\Delta S$: cumulative area above a given elevation, ΔQ_s : melt water runoff from a given elevation range, $\Sigma\Delta Q_s$: cumulative melt water runoff from an area above given elevation.

Tungnaá water drainage basin

| Elevation (m a. s. l.) | | ΔS km^2 | $\Sigma\Delta S$ km^2 | ΔQ_s (10^6m^3) | $\Sigma\Delta Q_s$ (10^6m^3) |
|---------------------------|------|-----------------------------|-----------------------------------|-------------------------------------|---|
| 1350 | 1400 | 0,6 | 0,6 | 0,5 | 0,5 |
| 1300 | 1350 | 6,2 | 6,8 | 6 | 6,4 |
| 1250 | 1300 | 10,7 | 17,4 | 13,5 | 19,9 |
| 1200 | 1250 | 11,4 | 28,9 | 17,5 | 37,4 |
| 1150 | 1200 | 10,8 | 39,6 | 19,1 | 56,5 |
| 1100 | 1150 | 12,8 | 52,4 | 26 | 82,5 |
| 1050 | 1100 | 11,9 | 64,3 | 27,8 | 110,3 |
| 1000 | 1050 | 9,7 | 74 | 24,8 | 135,1 |
| 950 | 1000 | 10,8 | 84,8 | 30,3 | 165,4 |
| 900 | 950 | 9 | 93,7 | 29,3 | 194,8 |
| 850 | 900 | 8,3 | 102 | 32,4 | 227,2 |
| 800 | 850 | 8,6 | 110,6 | 39 | 266,3 |
| 750 | 800 | 6,3 | 116,9 | 33,4 | 299,7 |
| 700 | 750 | 4,2 | 121 | 23,1 | 322,7 |
| 650 | 700 | 0,5 | 121,6 | 2,3 | 325,1 |

Sylgja water drainage basin

| Elevation (m a. s. l.) | | ΔS km^2 | $\Sigma\Delta S$ km^2 | ΔQ_s (10^6m^3) | $\Sigma\Delta Q_s$ (10^6m^3) |
|---------------------------|------|-----------------------------|-----------------------------------|-------------------------------------|---|
| 1300 | 1350 | 1,3 | 1,3 | 1,4 | 1,4 |
| 1250 | 1300 | 3,6 | 5 | 4,6 | 6 |
| 1200 | 1250 | 6,4 | 11,4 | 9,7 | 15,7 |
| 1150 | 1200 | 8,3 | 19,7 | 14,2 | 29,9 |
| 1100 | 1150 | 6,6 | 26,3 | 13,2 | 43,1 |
| 1050 | 1100 | 7,6 | 33,9 | 18,9 | 62 |
| 1000 | 1050 | 3,8 | 37,7 | 10,9 | 72,9 |
| 950 | 1000 | 1,5 | 39,2 | 4,6 | 77,4 |
| 900 | 950 | 0,6 | 39,8 | 1,8 | 79,2 |
| 850 | 900 | 0 | 39,8 | 0 | 79,3 |

Western Skaftá cauldron water drainage basin

| Elevation (m a. s. l.) | | ΔS km^2 | $\Sigma\Delta S$ km^2 | ΔQ_s (10^6m^3) | $\Sigma\Delta Q_s$ (10^6m^3) |
|---------------------------|------|-----------------------------|-----------------------------------|-------------------------------------|---|
| 1600 | 1650 | 0,4 | 0,4 | 0 | 0 |
| 1550 | 1600 | 4,4 | 4,8 | 0,3 | 0,4 |
| 1500 | 1550 | 1,5 | 6,3 | 0,2 | 0,5 |

Eastern Skaftár cauldron water drainage basin

| Elevation (m a. s. l.) | | ΔS km ² | $\Sigma \Delta S$ km ² | ΔQ_s (10 ⁶ m ³) | $\Sigma \Delta Q_s$ (10 ⁶ m ³) |
|---------------------------|------|-------------------------------|--------------------------------------|---|--|
| 1600 | 1650 | 0,4 | 0,4 | 0 | 0 |
| 1550 | 1600 | 4,4 | 4,8 | 0,3 | 0,4 |
| 1500 | 1550 | 1,5 | 6,3 | 0,2 | 0,5 |

Grímsvötn water drainage basin

| Elevation (m a. s. l.) | | ΔS km ² | $\Sigma \Delta S$ km ² | ΔQ_s (10 ⁶ m ³) | $\Sigma \Delta Q_s$ (10 ⁶ m ³) |
|---------------------------|------|-------------------------------|--------------------------------------|---|--|
| 1700 | 1750 | 0 | 0 | 0 | 0 |
| 1650 | 1700 | 13,3 | 13,3 | 1,4 | 1,4 |
| 1600 | 1650 | 23 | 36,3 | 6,7 | 8,1 |
| 1550 | 1600 | 18,4 | 54,6 | 8,8 | 16,9 |
| 1500 | 1550 | 16,7 | 71,3 | 11,5 | 28,4 |
| 1450 | 1500 | 11,6 | 82,9 | 9,5 | 37,9 |
| 1400 | 1450 | 15,1 | 97,9 | 13,9 | 51,8 |
| 1350 | 1400 | 0,6 | 98,6 | 0,4 | 52,2 |

Kaldakvísl water drainage basin

| Elevation (m a. s. l.) | | ΔS km ² | $\Sigma \Delta S$ km ² | ΔQ_s (10 ⁶ m ³) | $\Sigma \Delta Q_s$ (10 ⁶ m ³) |
|---------------------------|------|-------------------------------|--------------------------------------|---|--|
| 1650 | 1700 | 0,1 | 0,1 | 0 | 0 |
| 1600 | 1650 | 2,5 | 2,6 | 0 | 0 |
| 1550 | 1600 | 19,2 | 21,8 | 3,7 | 3,8 |
| 1500 | 1550 | 27,2 | 49,1 | 12 | 15,8 |
| 1450 | 1500 | 28,5 | 77,5 | 17,4 | 33,2 |
| 1400 | 1450 | 23,1 | 100,6 | 18 | 51,2 |
| 1350 | 1400 | 21,6 | 122,2 | 21,3 | 72,5 |
| 1300 | 1350 | 21,3 | 143,5 | 26,6 | 99,1 |
| 1250 | 1300 | 22,6 | 166,1 | 34,1 | 133,2 |
| 1200 | 1250 | 22,6 | 188,7 | 40,9 | 174,2 |
| 1150 | 1200 | 20,2 | 208,9 | 42,2 | 216,4 |
| 1100 | 1150 | 18,3 | 227,2 | 42,8 | 259,2 |
| 1050 | 1100 | 17,2 | 244,4 | 45,2 | 304,4 |
| 1000 | 1050 | 14,9 | 259,3 | 42,9 | 347,4 |
| 950 | 1000 | 10,7 | 269,9 | 32,4 | 379,7 |
| 900 | 950 | 5,6 | 275,6 | 17,3 | 397 |
| 850 | 900 | 0,5 | 276,1 | 1,7 | 398,7 |

Jökulsá á Fjöllum water drainage basin

| Elevation (m a. s. l.) | | ΔS km ² | $\Sigma\Delta S$ km ² | ΔQ_s (10 ⁶ m ³) | $\Sigma\Delta Q_s$ (10 ⁶ m ³) |
|---------------------------|------|-------------------------------|-------------------------------------|---|---|
| 1650 | 1700 | 0 | 0 | 0 | 0 |
| 1600 | 1650 | 4 | 4 | 0 | 0 |
| 1550 | 1600 | 90,4 | 94,5 | 6,2 | 6,3 |
| 1500 | 1550 | 96,9 | 191,3 | 14,5 | 20,8 |
| 1450 | 1500 | 84,9 | 276,2 | 19,7 | 40,5 |
| 1400 | 1450 | 73,6 | 349,9 | 22,8 | 63,3 |
| 1350 | 1400 | 59,8 | 409,6 | 24,7 | 88 |
| 1300 | 1350 | 49,1 | 458,7 | 27,3 | 115,3 |
| 1250 | 1300 | 52,5 | 511,2 | 40 | 155,4 |
| 1200 | 1250 | 57,4 | 568,6 | 59,4 | 214,8 |
| 1150 | 1200 | 54,5 | 623,1 | 76,2 | 291 |
| 1100 | 1150 | 45,9 | 669,1 | 80,5 | 371,5 |
| 1050 | 1100 | 34,1 | 703,2 | 70,8 | 442,3 |
| 1000 | 1050 | 36,4 | 739,5 | 88 | 530,3 |
| 950 | 1000 | 31,5 | 771 | 89,1 | 619,4 |
| 900 | 950 | 26,2 | 797,2 | 84,7 | 704,2 |
| 850 | 900 | 25,4 | 822,6 | 91,3 | 795,5 |
| 800 | 850 | 20,2 | 842,9 | 79 | 874,5 |
| 750 | 800 | 15,2 | 858 | 63,8 | 938,3 |
| 700 | 750 | 1,7 | 859,8 | 7,6 | 945,9 |

Kreppa and Kverká water drainage basin

| Elevation (m a. s. l.) | | ΔS km ² | $\Sigma \Delta S$ km ² | ΔQ_s (10 ⁶ m ³) | $\Sigma \Delta Q_s$ (10 ⁶ m ³) |
|---------------------------|------|-------------------------------|--------------------------------------|---|--|
| 1600 | 1650 | 0 | 0 | 0 | 0 |
| 1550 | 1600 | 15,7 | 15,7 | 0,7 | 0,7 |
| 1500 | 1550 | 14,3 | 29,9 | 1,2 | 1,9 |
| 1450 | 1500 | 15,4 | 45,4 | 1,8 | 3,6 |
| 1400 | 1450 | 19,3 | 64,7 | 3,1 | 6,8 |
| 1350 | 1400 | 25,2 | 89,9 | 8,2 | 15 |
| 1300 | 1350 | 20,5 | 110,4 | 12,8 | 27,8 |
| 1250 | 1300 | 16,4 | 126,8 | 15 | 42,8 |
| 1200 | 1250 | 18,1 | 144,8 | 21,6 | 64,5 |
| 1150 | 1200 | 18,2 | 163 | 24,1 | 88,5 |
| 1100 | 1150 | 17,5 | 180,5 | 23,7 | 112,2 |
| 1050 | 1100 | 11,6 | 192,1 | 16,4 | 128,7 |
| 1000 | 1050 | 14,1 | 206,2 | 22,6 | 151,2 |
| 950 | 1000 | 16,1 | 222,3 | 31,7 | 182,9 |
| 900 | 950 | 14,4 | 236,6 | 35 | 217,9 |
| 850 | 900 | 14,5 | 251,1 | 41,8 | 259,7 |
| 800 | 850 | 11,5 | 262,6 | 38,1 | 297,8 |
| 750 | 800 | 9,3 | 272 | 37,8 | 335,6 |
| 700 | 750 | 4,2 | 276,1 | 20 | 355,6 |
| 650 | 700 | 0,4 | 276,6 | 2,2 | 357,8 |

Háslón water drainage basin

| Elevation (m a. s. l.) | | ΔS km ² | $\Sigma \Delta S$ km ² | ΔQ_s (10 ⁶ m ³) | $\Sigma \Delta Q_s$ (10 ⁶ m ³) |
|---------------------------|------|-------------------------------|--------------------------------------|---|--|
| 1600 | 1650 | 0,1 | 0,1 | 0 | 0 |
| 1550 | 1600 | 23,5 | 23,7 | 0,6 | 0,6 |
| 1500 | 1550 | 60,6 | 84,3 | 3,7 | 4,3 |
| 1450 | 1500 | 63,5 | 147,8 | 6,4 | 10,8 |
| 1400 | 1450 | 72,2 | 219,9 | 9 | 19,7 |
| 1350 | 1400 | 122 | 342 | 32,7 | 52,4 |
| 1300 | 1350 | 133 | 475,2 | 63,1 | 115,5 |
| 1250 | 1300 | 128 | 603,5 | 77,9 | 193,5 |
| 1200 | 1250 | 103 | 706,3 | 75 | 268,5 |
| 1150 | 1200 | 87,3 | 793,6 | 84,6 | 353,1 |
| 1100 | 1150 | 69,3 | 862,8 | 88,4 | 441,5 |
| 1050 | 1100 | 61,8 | 924,6 | 94,6 | 536,1 |
| 1000 | 1050 | 51,8 | 976,4 | 93 | 629,1 |
| 950 | 1000 | 43,4 | 1019,8 | 91,1 | 720,2 |
| 900 | 950 | 34,6 | 1054,5 | 84,1 | 804,2 |
| 850 | 900 | 30,4 | 1084,8 | 84,7 | 888,9 |
| 800 | 850 | 29,9 | 1114,7 | 99,6 | 988,5 |
| 750 | 800 | 26,8 | 1141,5 | 110,9 | 1099,4 |
| 700 | 750 | 19,6 | 1161,1 | 93,8 | 1193,3 |
| 650 | 700 | 12,3 | 1173,4 | 64 | 1257,3 |
| 600 | 650 | 0,3 | 1173,8 | 1,8 | 1259,1 |

Jökulsá á Fljótsdal water drainage basin

| Elevation (m a. s. l.) | | ΔS km ² | $\Sigma \Delta S$ km ² | ΔQ_s (10 ⁶ m ³) | $\Sigma \Delta Q_s$ (10 ⁶ m ³) |
|---------------------------|------|-------------------------------|--------------------------------------|---|--|
| 1450 | 1500 | 0 | 0 | 0 | 0 |
| 1400 | 1450 | 0,6 | 0,6 | 0 | 0 |
| 1350 | 1400 | 1,7 | 2,4 | 0,5 | 0,6 |
| 1300 | 1350 | 4 | 6,4 | 1,7 | 2,3 |
| 1250 | 1300 | 15,8 | 22,2 | 6,8 | 9,1 |
| 1200 | 1250 | 15,9 | 38,1 | 10,3 | 19,4 |
| 1150 | 1200 | 17,6 | 55,7 | 16,9 | 36,4 |
| 1100 | 1150 | 15,1 | 70,9 | 20,3 | 56,7 |
| 1050 | 1100 | 12,7 | 83,6 | 22,4 | 79 |
| 1000 | 1050 | 11,9 | 95,5 | 25,2 | 104,2 |
| 950 | 1000 | 9 | 104,5 | 21,7 | 125,9 |
| 900 | 950 | 5,8 | 110,2 | 15,5 | 141,4 |
| 850 | 900 | 4,3 | 114,5 | 12,3 | 153,8 |
| 800 | 850 | 3,3 | 117,8 | 9,9 | 163,6 |
| 750 | 800 | 3,4 | 121,2 | 11,1 | 174,7 |
| 700 | 750 | 3,3 | 124,5 | 12,6 | 187,3 |
| 650 | 700 | 1,7 | 126,2 | 7,2 | 194,5 |

Hornafjarðarfljót water drainage basin

| Elevation (m a. s. l.) | | ΔS km ² | $\Sigma\Delta S$ km ² | ΔQ_s (10 ⁶ m ³) | $\Sigma\Delta Q_s$ (10 ⁶ m ³) |
|---------------------------|------|-------------------------------|-------------------------------------|---|---|
| 1400 | 1450 | 2,2 | 2,2 | 0,1 | 0,1 |
| 1350 | 1400 | 10,4 | 12,6 | 1,4 | 1,5 |
| 1300 | 1350 | 17,6 | 30,2 | 5 | 6,5 |
| 1250 | 1300 | 36,6 | 66,8 | 17 | 23,5 |
| 1200 | 1250 | 30,2 | 97 | 19,7 | 43,2 |
| 1150 | 1200 | 20,8 | 117,8 | 18,1 | 61,3 |
| 1100 | 1150 | 19,8 | 137,6 | 20,6 | 81,8 |
| 1050 | 1100 | 15,3 | 152,9 | 18,8 | 100,6 |
| 1000 | 1050 | 11,7 | 164,5 | 16,4 | 117 |
| 950 | 1000 | 11,1 | 175,6 | 17,6 | 134,6 |
| 900 | 950 | 8,2 | 183,8 | 14,4 | 149 |
| 850 | 900 | 5,5 | 189,3 | 10,6 | 159,6 |
| 800 | 850 | 4,4 | 193,7 | 8,9 | 168,6 |
| 750 | 800 | 4,1 | 197,8 | 8,8 | 177,4 |
| 700 | 750 | 4 | 201,8 | 9 | 186,4 |
| 650 | 700 | 3,5 | 205,3 | 8,3 | 194,7 |
| 600 | 650 | 2,6 | 207,8 | 6,8 | 201,5 |
| 550 | 600 | 2 | 209,9 | 5,8 | 207,3 |
| 500 | 550 | 1,8 | 211,7 | 6 | 213,3 |
| 450 | 500 | 1,4 | 213,1 | 5,4 | 218,7 |
| 400 | 450 | 1,3 | 214,4 | 5,7 | 224,3 |
| 350 | 400 | 0,8 | 215,2 | 4 | 228,4 |
| 300 | 350 | 1,1 | 216,3 | 6,4 | 234,8 |
| 250 | 300 | 2,3 | 218,6 | 14,9 | 249,7 |
| 200 | 250 | 3,5 | 222,1 | 24,7 | 274,4 |
| 150 | 200 | 2,7 | 224,8 | 20,7 | 295,1 |
| 100 | 150 | 2,1 | 227 | 17,5 | 312,6 |
| 50 | 100 | 2,8 | 229,8 | 24,7 | 337,4 |
| 0 | 50 | 0,6 | 230,3 | 5,1 | 342,5 |

Jökulsá á Breiðamerkursandi water drainage basin

| Elevation (m a. s. l.) | | ΔS km ² | $\Sigma \Delta S$ km ² | ΔQ_s (10 ⁶ m ³) | $\Sigma \Delta Q_s$ (10 ⁶ m ³) |
|---------------------------|------|-------------------------------|--------------------------------------|---|--|
| 1650 | 1700 | 0,2 | 0,2 | 0 | 0 |
| 1600 | 1650 | 3 | 3,2 | 0 | 0,1 |
| 1550 | 1600 | 11,6 | 14,8 | 0,4 | 0,5 |
| 1500 | 1550 | 21,9 | 36,7 | 1,7 | 2,2 |
| 1450 | 1500 | 25,5 | 62,2 | 3,6 | 5,8 |
| 1400 | 1450 | 44,3 | 106,5 | 8,9 | 14,7 |
| 1350 | 1400 | 83,3 | 189,8 | 27,7 | 42,4 |
| 1300 | 1350 | 85,4 | 275,1 | 42,3 | 84,7 |
| 1250 | 1300 | 53,1 | 328,3 | 35,2 | 119,9 |
| 1200 | 1250 | 35,1 | 363,4 | 27,3 | 147,2 |
| 1150 | 1200 | 28,9 | 392,2 | 26,1 | 173,4 |
| 1100 | 1150 | 24,6 | 416,8 | 26,2 | 199,6 |
| 1050 | 1100 | 20,7 | 437,5 | 25,5 | 225,1 |
| 1000 | 1050 | 17,8 | 455,3 | 25,2 | 250,2 |
| 950 | 1000 | 19 | 474,3 | 29,9 | 280,1 |
| 900 | 950 | 20,2 | 494,5 | 33,8 | 313,9 |
| 850 | 900 | 20,5 | 515,1 | 37,4 | 351,3 |
| 800 | 850 | 20,2 | 535,2 | 39,4 | 390,8 |
| 750 | 800 | 19,5 | 554,8 | 41,7 | 432,5 |
| 700 | 750 | 21,1 | 575,9 | 48,4 | 480,9 |
| 650 | 700 | 26,7 | 602,5 | 64,8 | 545,7 |
| 600 | 650 | 18,5 | 621 | 48,2 | 593,8 |
| 550 | 600 | 18,5 | 639,6 | 52,7 | 646,5 |
| 500 | 550 | 7 | 646,6 | 22,3 | 668,8 |
| 450 | 500 | 7,7 | 654,2 | 29,3 | 698,1 |
| 400 | 450 | 5,8 | 660,1 | 25,9 | 724 |
| 350 | 400 | 5,5 | 665,5 | 27,4 | 751,4 |
| 300 | 350 | 6,5 | 672,1 | 37,1 | 788,5 |
| 250 | 300 | 6 | 678 | 38,3 | 826,9 |
| 200 | 250 | 6,3 | 684,4 | 44,8 | 871,6 |
| 150 | 200 | 5,1 | 689,5 | 39,7 | 911,3 |
| 100 | 150 | 5,1 | 694,6 | 42,5 | 953,7 |
| 50 | 100 | 4,1 | 698,7 | 36,5 | 990,2 |
| 0 | 50 | 2,7 | 701,4 | 24,7 | 1014,9 |

Breiðarlón/Fjallsarlón water drainage basin

| Elevation (m a. s. l.) | | ΔS km ² | $\Sigma \Delta S$ km ² | ΔQ_s (10 ⁶ m ³) | $\Sigma \Delta Q_s$ (10 ⁶ m ³) |
|---------------------------|------|-------------------------------|--------------------------------------|---|--|
| 1700 | 1750 | 0 | 0 | 0 | 0 |
| 1650 | 1700 | 0 | 0 | 0 | 0 |
| 1600 | 1650 | 0 | 0 | 0 | 0 |
| 1550 | 1600 | 2,4 | 2,5 | 0,3 | 0,3 |
| 1500 | 1550 | 6 | 8,5 | 1,9 | 2,2 |
| 1450 | 1500 | 5 | 13,5 | 2,2 | 4,4 |
| 1400 | 1450 | 5,3 | 18,8 | 2,9 | 7,3 |
| 1350 | 1400 | 6,4 | 25,2 | 4,4 | 11,7 |
| 1300 | 1350 | 12,6 | 37,8 | 9,5 | 21,2 |
| 1250 | 1300 | 6,7 | 44,6 | 5,4 | 26,6 |
| 1200 | 1250 | 5,6 | 50,1 | 4,8 | 31,3 |
| 1150 | 1200 | 5,1 | 55,2 | 4,9 | 36,2 |
| 1100 | 1150 | 4,5 | 59,7 | 5 | 41,2 |
| 1050 | 1100 | 5 | 64,7 | 6,2 | 47,5 |
| 1000 | 1050 | 6 | 70,7 | 8,2 | 55,7 |
| 950 | 1000 | 7 | 77,7 | 10,9 | 66,5 |
| 900 | 950 | 8,4 | 86,1 | 14 | 80,5 |
| 850 | 900 | 6,7 | 92,8 | 12,2 | 92,7 |
| 800 | 850 | 8,4 | 101,2 | 16,6 | 109,3 |
| 750 | 800 | 8,8 | 110 | 18,9 | 128,3 |
| 700 | 750 | 6,1 | 116,2 | 13,9 | 142,2 |
| 650 | 700 | 7,4 | 123,6 | 17,9 | 160,1 |
| 600 | 650 | 8,3 | 131,9 | 21,5 | 181,6 |
| 550 | 600 | 8,8 | 140,7 | 25,8 | 207,4 |
| 500 | 550 | 9,5 | 150,2 | 30,8 | 238,2 |
| 450 | 500 | 9,6 | 159,8 | 35,5 | 273,6 |
| 400 | 450 | 11,1 | 170,9 | 47,6 | 321,2 |
| 350 | 400 | 8,5 | 179,4 | 42,2 | 363,4 |
| 300 | 350 | 7,7 | 187,1 | 42,8 | 406,2 |
| 250 | 300 | 7,4 | 194,5 | 46,9 | 453,1 |
| 200 | 250 | 6,8 | 201,3 | 47,3 | 500,4 |
| 150 | 200 | 4,6 | 205,9 | 35,4 | 535,8 |
| 100 | 150 | 4,3 | 210,2 | 35,9 | 571,7 |
| 50 | 100 | 3,7 | 213,9 | 32,8 | 604,5 |
| 0 | 50 | 1,8 | 215,7 | 16,8 | 621,3 |

Skeiðarársandur (Gígja) water drainage basin (Gígja)

| Elevation (m a. s. l.) | | ΔS km ² | $\Sigma \Delta S$ km ² | ΔQ_s (10 ⁶ m ³) | $\Sigma \Delta Q_s$ (10 ⁶ m ³) |
|---------------------------|------|-------------------------------|--------------------------------------|---|--|
| 1650 | 1700 | 0,4 | 0,4 | 0 | 0 |
| 1600 | 1650 | 2,4 | 2,8 | 0,1 | 0,1 |
| 1550 | 1600 | 53 | 55,8 | 1,7 | 1,8 |
| 1500 | 1550 | 103 | 159,1 | 7 | 8,8 |
| 1450 | 1500 | 97,6 | 256,7 | 17,9 | 26,7 |
| 1400 | 1450 | 95,1 | 351,8 | 35,3 | 62 |
| 1350 | 1400 | 83,3 | 435,1 | 45,9 | 108 |
| 1300 | 1350 | 71,9 | 507 | 47,6 | 155,5 |
| 1250 | 1300 | 62,8 | 569,7 | 50,1 | 205,6 |
| 1200 | 1250 | 52,9 | 622,6 | 51,5 | 257,1 |
| 1150 | 1200 | 44,9 | 667,5 | 53,7 | 310,8 |
| 1100 | 1150 | 36,1 | 703,6 | 50 | 360,8 |
| 1050 | 1100 | 29,5 | 733,1 | 46,8 | 407,6 |
| 1000 | 1050 | 25 | 758,1 | 44,2 | 451,8 |
| 950 | 1000 | 25 | 783,1 | 48 | 499,8 |
| 900 | 950 | 24,8 | 808 | 53,4 | 553,2 |
| 850 | 900 | 27,8 | 835,8 | 66,4 | 619,6 |
| 800 | 850 | 22,5 | 858,2 | 59,2 | 678,8 |
| 750 | 800 | 19,6 | 877,8 | 55,9 | 734,6 |
| 700 | 750 | 19,1 | 896,9 | 60 | 794,7 |
| 650 | 700 | 11,9 | 908,8 | 42,4 | 837,1 |
| 600 | 650 | 13,1 | 921,9 | 51,8 | 888,9 |
| 550 | 600 | 12,4 | 934,3 | 51,3 | 940,2 |
| 500 | 550 | 8,3 | 942,6 | 36,7 | 976,9 |
| 450 | 500 | 5,5 | 948,1 | 27,2 | 1004,1 |
| 400 | 450 | 6,7 | 954,8 | 36,4 | 1040,5 |
| 350 | 400 | 11,1 | 965,9 | 65,8 | 1106,3 |
| 300 | 350 | 14,2 | 980,1 | 92,8 | 1199,1 |
| 250 | 300 | 15,3 | 995,4 | 106,6 | 1305,7 |
| 200 | 250 | 12,4 | 1007,8 | 93 | 1398,7 |
| 150 | 200 | 11,3 | 1019,1 | 91,5 | 1490,2 |
| 100 | 150 | 13,5 | 1032,6 | 107,9 | 1598,1 |
| 50 | 100 | 5 | 1037,6 | 36,2 | 1634,3 |

Súla water drainage basin

| Elevation (m a. s. l.) | | ΔS km ² | $\Sigma \Delta S$ km ² | ΔQ_s (10 ⁶ m ³) | $\Sigma \Delta Q_s$ (10 ⁶ m ³) |
|---------------------------|------|-------------------------------|--------------------------------------|---|--|
| 1600 | 1650 | 0,3 | 0,3 | 0 | 0 |
| 1550 | 1600 | 3,3 | 3,5 | 0,3 | 0,3 |
| 1500 | 1550 | 5,9 | 9,4 | 1,2 | 1,5 |
| 1450 | 1500 | 11,4 | 20,8 | 4,7 | 6,2 |
| 1400 | 1450 | 11,1 | 31,9 | 5,9 | 12,1 |
| 1350 | 1400 | 9,3 | 41,2 | 5,9 | 18 |
| 1300 | 1350 | 8,2 | 49,4 | 5,9 | 23,9 |
| 1250 | 1300 | 6,7 | 56,1 | 5,5 | 29,4 |
| 1200 | 1250 | 8,1 | 64,2 | 7,7 | 37,2 |
| 1150 | 1200 | 9,2 | 73,3 | 10,6 | 47,8 |
| 1100 | 1150 | 15,6 | 89 | 20,8 | 68,6 |
| 1050 | 1100 | 15,9 | 104,9 | 25,4 | 94 |
| 1000 | 1050 | 16,5 | 121,4 | 30,3 | 124,3 |
| 950 | 1000 | 18,7 | 140,1 | 38,4 | 162,7 |
| 900 | 950 | 15,3 | 155,4 | 34,4 | 197,1 |
| 850 | 900 | 12,1 | 167,5 | 29,5 | 226,6 |
| 800 | 850 | 11,7 | 179,2 | 31 | 257,6 |
| 750 | 800 | 7 | 186,2 | 20,4 | 278 |
| 700 | 750 | 6 | 192,2 | 19,6 | 297,6 |
| 650 | 700 | 4,9 | 197,1 | 17,9 | 315,5 |
| 600 | 650 | 9 | 206,1 | 36,5 | 352 |
| 550 | 600 | 11,7 | 217,9 | 50,8 | 402,7 |
| 500 | 550 | 8,9 | 226,8 | 40,6 | 443,3 |
| 450 | 500 | 7,2 | 233,9 | 35,3 | 478,6 |
| 400 | 450 | 6,3 | 240,2 | 34,1 | 512,7 |
| 350 | 400 | 4,8 | 245 | 28,6 | 541,3 |
| 300 | 350 | 1,8 | 246,8 | 11,9 | 553,2 |
| 250 | 300 | 0,9 | 247,8 | 6,6 | 559,8 |
| 200 | 250 | 0,8 | 248,6 | 5,8 | 565,6 |
| 150 | 200 | 0,8 | 249,4 | 6,4 | 572 |
| 100 | 150 | 0,8 | 250,2 | 6,8 | 578,8 |
| 50 | 100 | 0,6 | 250,8 | 5,2 | 584 |

Djúpá water drainage basin

| Elevation (m a. s. l.) | | ΔS km ² | $\Sigma \Delta S$ km ² | ΔQ_s (10 ⁶ m ³) | $\Sigma \Delta Q_s$ (10 ⁶ m ³) |
|---------------------------|------|-------------------------------|--------------------------------------|---|--|
| 1450 | 1500 | 0,1 | 0,1 | 0 | 0 |
| 1400 | 1450 | 0,3 | 0,5 | 0,2 | 0,3 |
| 1350 | 1400 | 0,9 | 1,4 | 0,8 | 1,1 |
| 1300 | 1350 | 3,8 | 5,1 | 3,5 | 4,6 |
| 1250 | 1300 | 3,3 | 8,5 | 3,6 | 8,2 |
| 1200 | 1250 | 2,9 | 11,4 | 3,7 | 11,9 |
| 1150 | 1200 | 3,5 | 14,9 | 5,2 | 17,1 |
| 1100 | 1150 | 5,3 | 20,3 | 9,9 | 26,9 |
| 1050 | 1100 | 7 | 27,3 | 15,2 | 42,2 |
| 1000 | 1050 | 9,8 | 37,1 | 23,5 | 65,6 |
| 950 | 1000 | 8 | 45,1 | 23,1 | 88,7 |
| 900 | 950 | 8,1 | 53,2 | 25,8 | 114,5 |
| 850 | 900 | 7,5 | 60,7 | 25,1 | 139,5 |
| 800 | 850 | 9,1 | 69,8 | 31,9 | 171,4 |
| 750 | 800 | 6,7 | 76,5 | 24,5 | 195,9 |
| 700 | 750 | 4 | 80,6 | 15,9 | 211,8 |
| 650 | 700 | 3 | 83,5 | 12,5 | 224,3 |
| 600 | 650 | 0,4 | 84 | 1,8 | 226,1 |

Brunná water drainage basin

| Elevation (m a. s. l.) | | ΔS km ² | $\Sigma \Delta S$ km ² | ΔQ_s (10 ⁶ m ³) | $\Sigma \Delta Q_s$ (10 ⁶ m ³) |
|---------------------------|------|-------------------------------|--------------------------------------|---|--|
| 1050 | 1100 | 0 | 0 | 0,2 | 0,2 |
| 1000 | 1050 | 1,1 | 1,2 | 2,7 | 2,9 |
| 950 | 1000 | 3,3 | 4,5 | 9,2 | 12,1 |
| 900 | 950 | 4,2 | 8,6 | 12,8 | 24,9 |
| 850 | 900 | 4,3 | 13 | 13,9 | 38,8 |
| 800 | 850 | 4,9 | 17,8 | 16,4 | 55,2 |
| 750 | 800 | 5,4 | 23,3 | 19,6 | 74,8 |
| 700 | 750 | 6,4 | 29,6 | 25,3 | 100 |
| 650 | 700 | 3,9 | 33,5 | 16,7 | 116,7 |
| 600 | 650 | 2,3 | 35,9 | 10,4 | 127,2 |
| 550 | 600 | 0 | 35,9 | 0,1 | 127,3 |

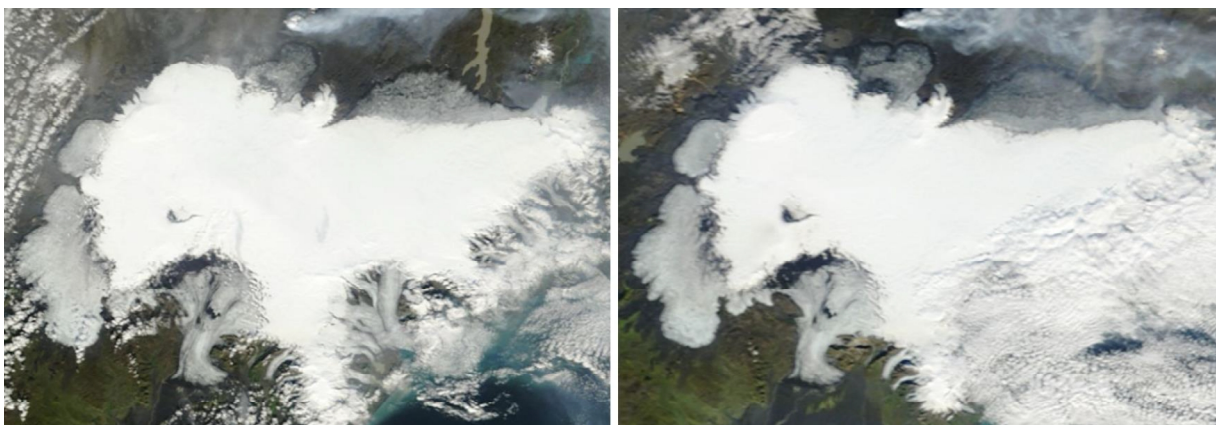
Hverfisfljót water drainage basin

| Elevation (m a. s. l.) | | ΔS km ² | $\Sigma \Delta S$ km ² | ΔQ_s (10 ⁶ m ³) | $\Sigma \Delta Q_s$ (10 ⁶ m ³) |
|---------------------------|------|-------------------------------|--------------------------------------|---|--|
| 1600 | 1650 | 0 | 0 | 0 | 0 |
| 1550 | 1600 | 1,2 | 1,2 | 0 | 0 |
| 1500 | 1550 | 15,6 | 16,9 | 1,4 | 1,4 |
| 1450 | 1500 | 42 | 58,9 | 15 | 16,4 |
| 1400 | 1450 | 28,5 | 87,5 | 15 | 31,4 |
| 1350 | 1400 | 24,5 | 111,9 | 16,5 | 47,9 |
| 1300 | 1350 | 22,9 | 134,8 | 19,8 | 67,7 |
| 1250 | 1300 | 18,6 | 153,3 | 20,2 | 87,9 |
| 1200 | 1250 | 20,2 | 173,5 | 25,5 | 113,5 |
| 1150 | 1200 | 14,1 | 187,7 | 21,1 | 134,6 |
| 1100 | 1150 | 10,9 | 198,6 | 21,2 | 155,8 |
| 1050 | 1100 | 10,2 | 208,7 | 22,1 | 177,9 |
| 1000 | 1050 | 9,3 | 218 | 22,3 | 200,2 |
| 950 | 1000 | 9,4 | 227,4 | 26 | 226,2 |
| 900 | 950 | 8,9 | 236,3 | 27,4 | 253,6 |
| 850 | 900 | 7,4 | 243,7 | 24,1 | 277,7 |
| 800 | 850 | 9,3 | 253 | 31,8 | 309,5 |
| 750 | 800 | 11,5 | 264,5 | 41,9 | 351,3 |
| 700 | 750 | 13,7 | 278,1 | 54 | 405,4 |
| 650 | 700 | 7,8 | 285,9 | 33,2 | 438,6 |
| 600 | 650 | 4,6 | 290,5 | 20,1 | 458,7 |
| 550 | 600 | 0,2 | 290,7 | 0,8 | 459,5 |

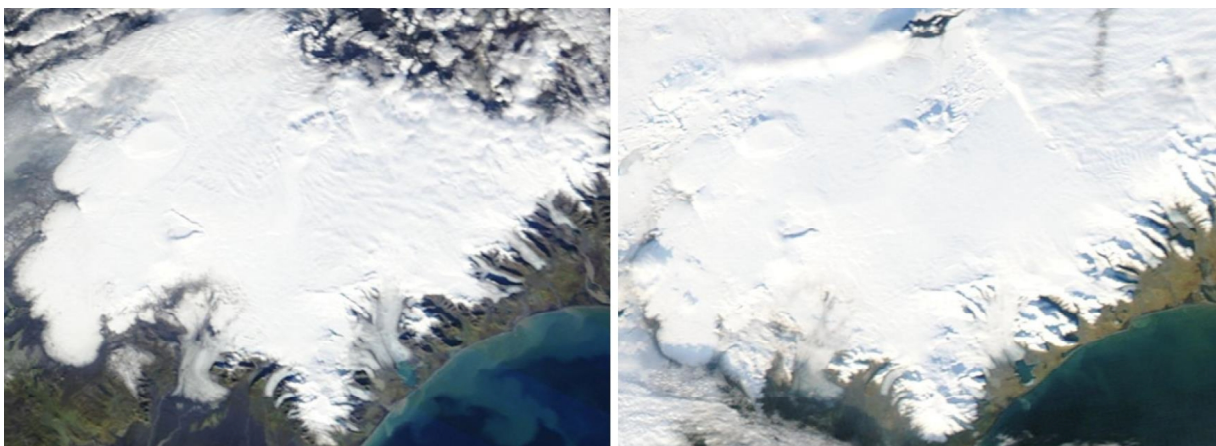
Skaftá water drainage basin

| Elevation (m a. s. l.) | | ΔS km ² | $\Sigma \Delta S$ km ² | ΔQ_s (10 ⁶ m ³) | $\Sigma \Delta Q_s$ (10 ⁶ m ³) |
|---------------------------|------|-------------------------------|--------------------------------------|---|--|
| 1600 | 1650 | 0,6 | 0,6 | 0 | 0 |
| 1550 | 1600 | 21,4 | 22 | 2 | 2 |
| 1500 | 1550 | 29,5 | 51,4 | 6,8 | 8,8 |
| 1450 | 1500 | 24,1 | 75,5 | 8,1 | 16,9 |
| 1400 | 1450 | 22,4 | 97,9 | 11,4 | 28,3 |
| 1350 | 1400 | 20,7 | 118,6 | 14,5 | 42,8 |
| 1300 | 1350 | 22,9 | 141,5 | 20,9 | 63,7 |
| 1250 | 1300 | 16,4 | 158 | 19,1 | 82,7 |
| 1200 | 1250 | 21,5 | 179,5 | 30,3 | 113 |
| 1150 | 1200 | 23,9 | 203,4 | 40,2 | 153,3 |
| 1100 | 1150 | 24,5 | 227,9 | 48,8 | 202,1 |
| 1050 | 1100 | 26,8 | 254,7 | 60,1 | 262,1 |
| 1000 | 1050 | 26,3 | 281 | 65,8 | 328 |
| 950 | 1000 | 20,3 | 301,3 | 57,4 | 385,3 |
| 900 | 950 | 15,8 | 317,1 | 50,2 | 435,5 |
| 850 | 900 | 16,2 | 333,3 | 58 | 493,5 |
| 800 | 850 | 14,7 | 348 | 59,5 | 553,1 |
| 750 | 800 | 11,6 | 359,6 | 51,1 | 604,1 |
| 700 | 750 | 8,5 | 368,1 | 38,4 | 642,5 |
| 650 | 700 | 5,1 | 373,2 | 21,8 | 664,3 |
| 600 | 650 | 0,9 | 374,1 | 3,9 | 668,2 |

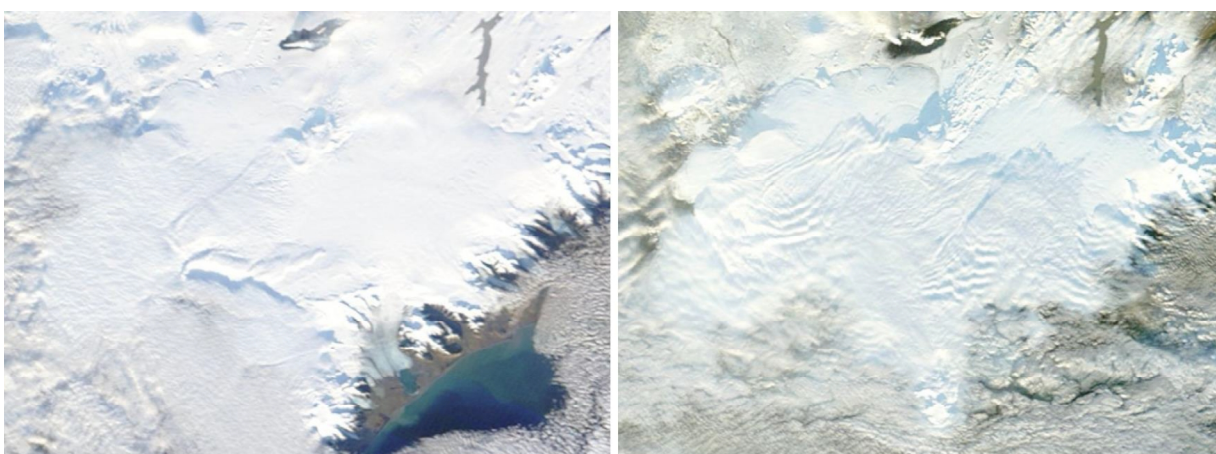
Appendix F: MODIS satellite images of Vatnajökull and vicinity 2014-2015.



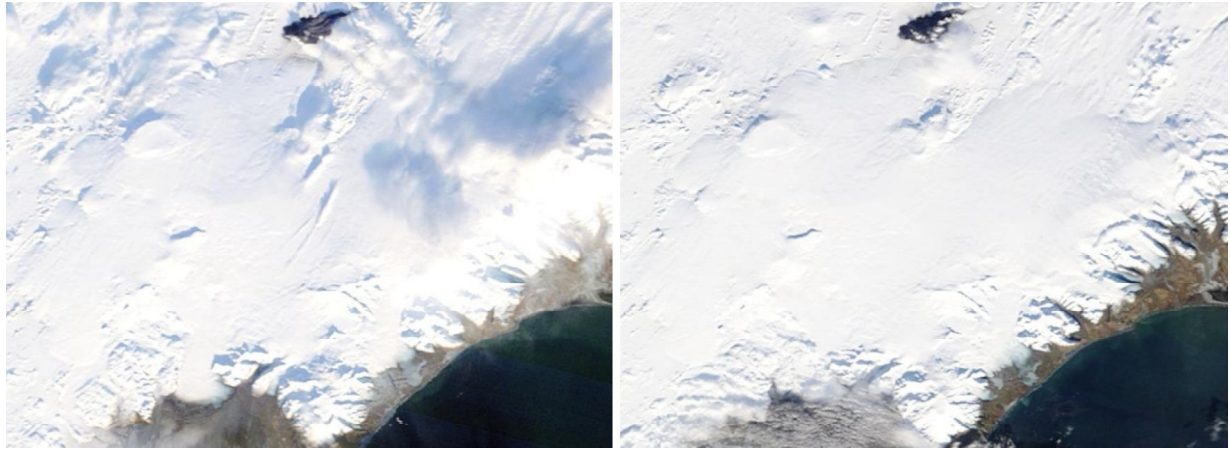
Left: September 5th 2014, the snowline has moved significantly upwards on the N outlets, less so on the W and S outlets; there may be some fresh snow in the highest regions. The Holuhraun eruption north of Dyngjujökull is clearly visible. Right: September 20th, still summer conditions on the glacier, the snowline of the N outlets is still migrating upwards in a warm September. The thick 2011 tephra from Grímsvötn is clearly visible in upper Skeiðarárjökull and Tungnáárjökull.



Left: October 10th, winter has arrived; there is now fresh snow on the surface at elevations above ~700m a.s.l.. Right: October 29th, snow cover up to 1.6 m was measured in the autumn mass balance expedition (October 9-17th) in the upper regions, winter has settled in.. The ice free surface of Háslón is visible through thin cloud cover



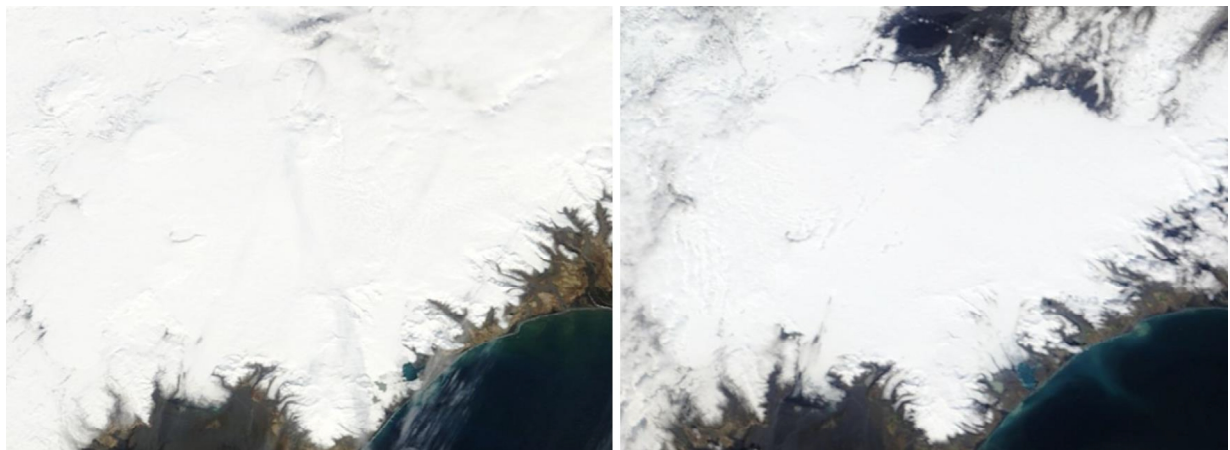
Left: November 4th, Breiðamerkurjökull snow free up to ~600m a.s.l., Right November 17th. The snow cover north of Vatnajökull seems to have thinned; Háslón still open.



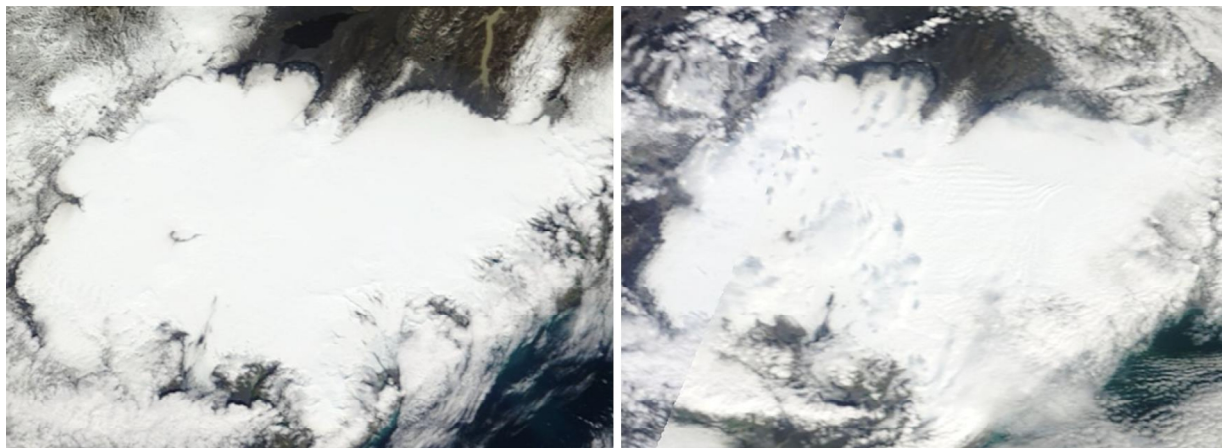
Left: January 31st 2015 and right: February 21st. There is still no snow in the south lowland, but otherwise there is continuous snow cover; Háslón has frozen over.



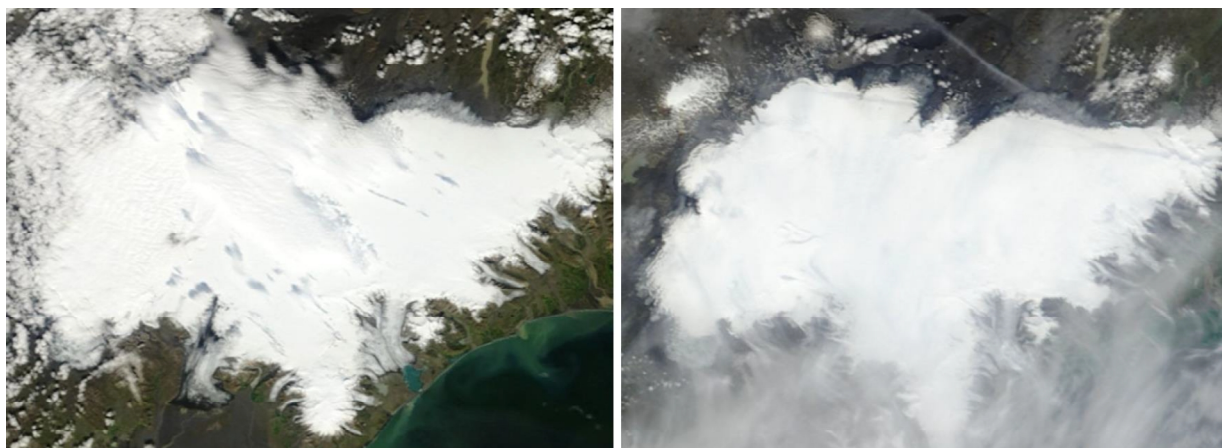
Left: March 20th, in stormy weather every 3 days the whole winter almost no cloud free images were acquired. Right: April 12th the dark regions on Dyngjujökull snout shows that the thin winter snow has already started to melt.



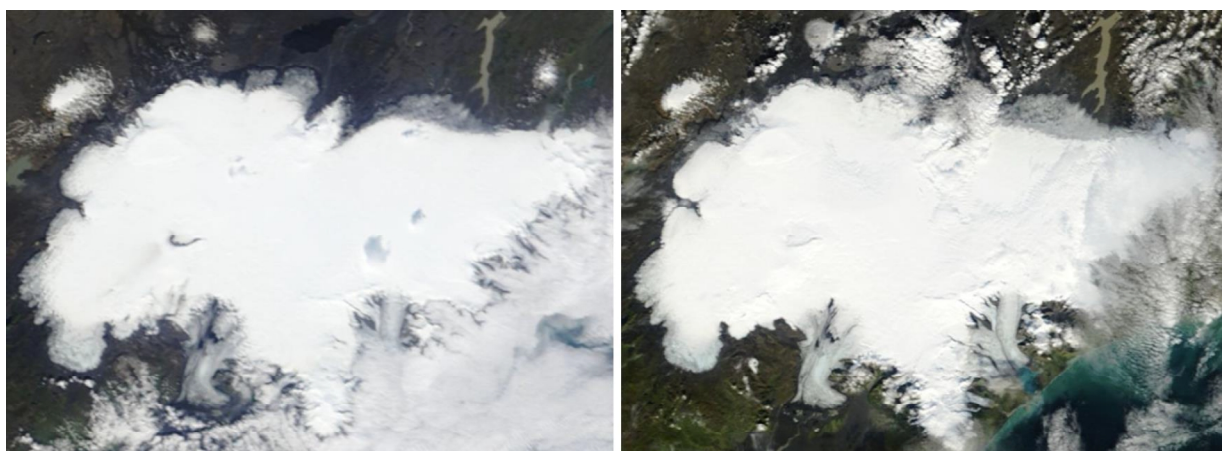
May 5th and June 7th. The spring was cold. Visible changes from early May show that snow has melted in the glacier fore-field but little change is visible on the glacier.



There are no completely cloud-free images in June and July: Left: June 25th, the snowline has only migrated slightly upwards; ablation rates in June are low. Some dirt is now visible on the snow surface from Tungnaárjökull to Brúarjökull that lowers the albedo and enhances melt. Right: July 30nd, the snowline is slowly moving upwards although the summer been cold and wet.

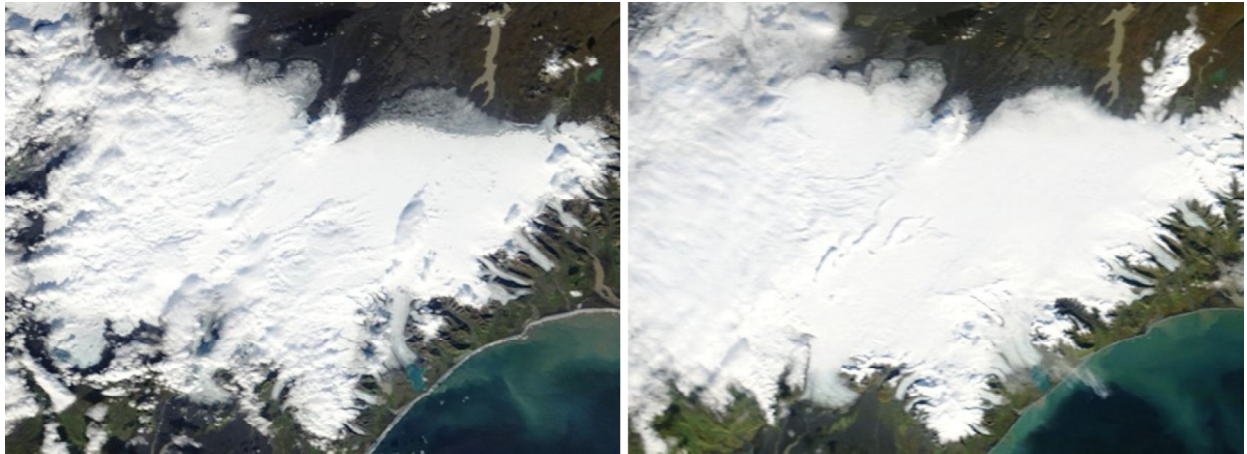


August 11th, and 29nd; The snowline of the N and SE outlets has raised significantly; at last a warm and sunny period in E-Iceland. Note the brownish surface of Brúarjökull and Dyngjujökull that lowers the albedo and enhances melt.

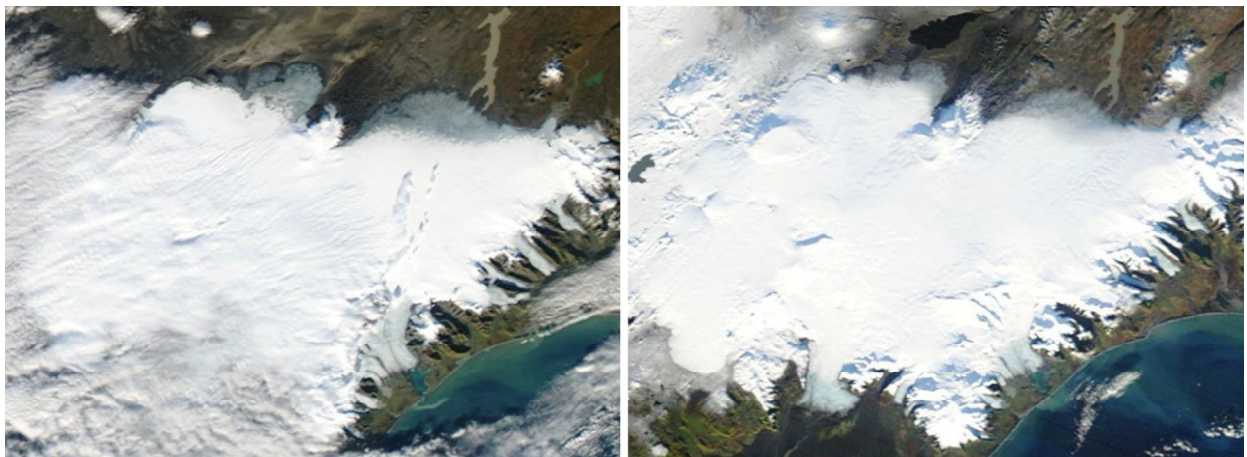


Left: September 5th, the snowline has moved significantly upwards on the N outlets, less so on the W and S outlets; there may be some fresh snow in the highest regions. Note the tephra blown from Grímsvötn to SW onto the upper regions of Síðujökull, this enhanced the melt there.

Right: September 25th, still summer conditions on the glacier, the snowline of the N outlets is still moving upwards in a warm September, but snow has started to cover the W outlets.



*Left: September 10th, still melt and upward migration of the snowline in the north.
Right: October 9th, winter has settled in, fresh snow on most of the glacier.*



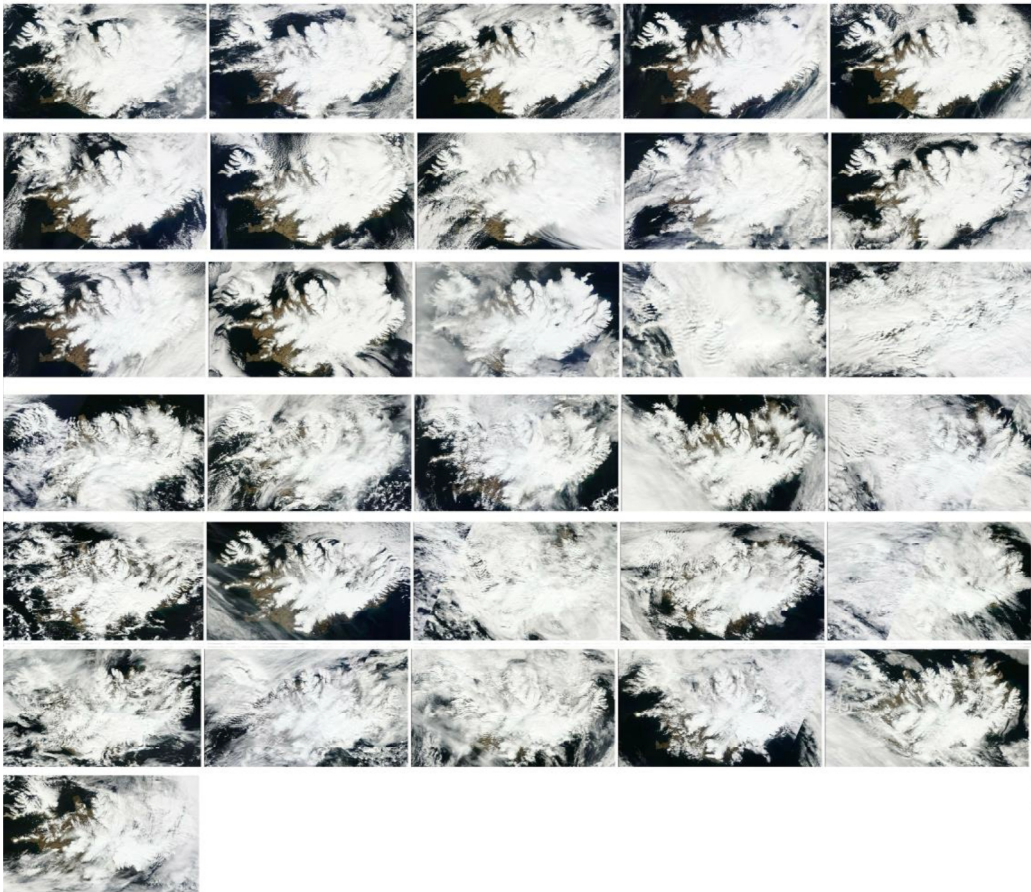
*Left: October 17th, the fresh snow on the ablation zone of the N outlets (visible on Oct. 9th) has melted and the snowline has raised slightly. Note the dust storm to the ENE from the region north of Bárðarbunga and Dyngjujökull. Snow cover up to 1.2 m was measured north of Grúmsvötn and on Bárðarbunga in the autumn mass balance expedition (October 22-28th).
Right: November 9th; The ~ 80 km² fresh lave field in Holuhraun is clearly visible, and the ice free surface of Háslón.*

The images are either from the MODIS Aqua or MODIS Terra satellites, visible light, 250 m resolution.

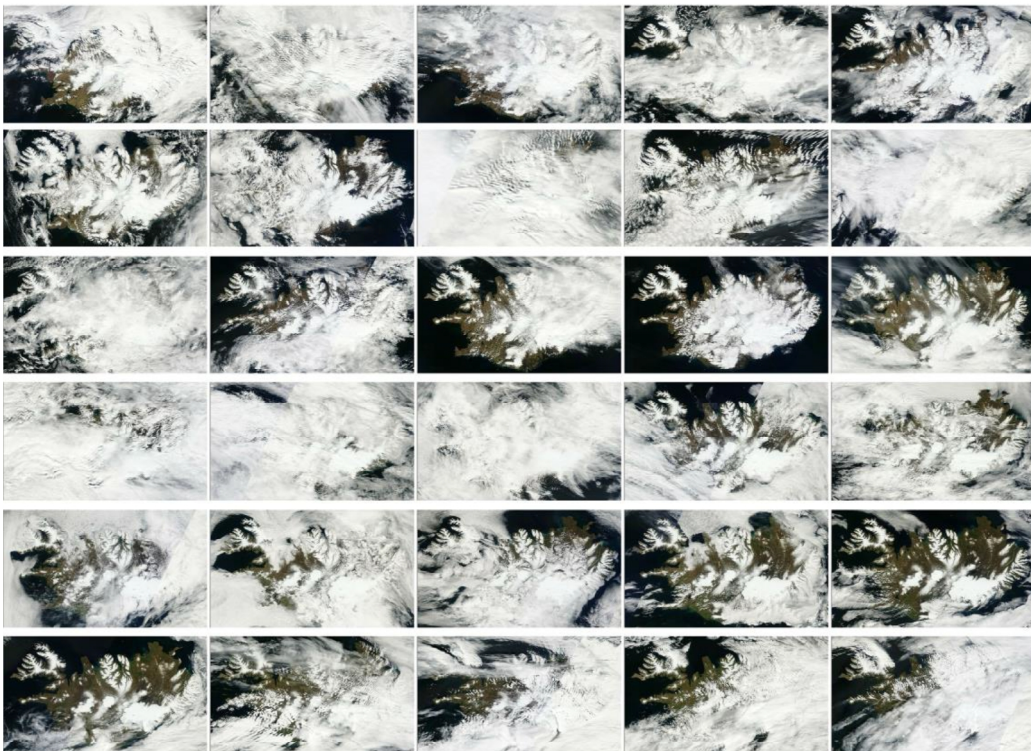
<http://rapidfire.sci.gsfc.nasa.gov/>

The Moderate Resolution Imaging Spectroradiometer (MODIS) flies onboard NASA's Aqua and Terra satellites as part of the NASA-centered international Earth Observing System. Both satellites orbit the Earth from pole to pole, seeing most of the globe every day. Onboard Terra, MODIS sees the Earth during the morning, while Aqua MODIS orbits the Earth in the afternoon.

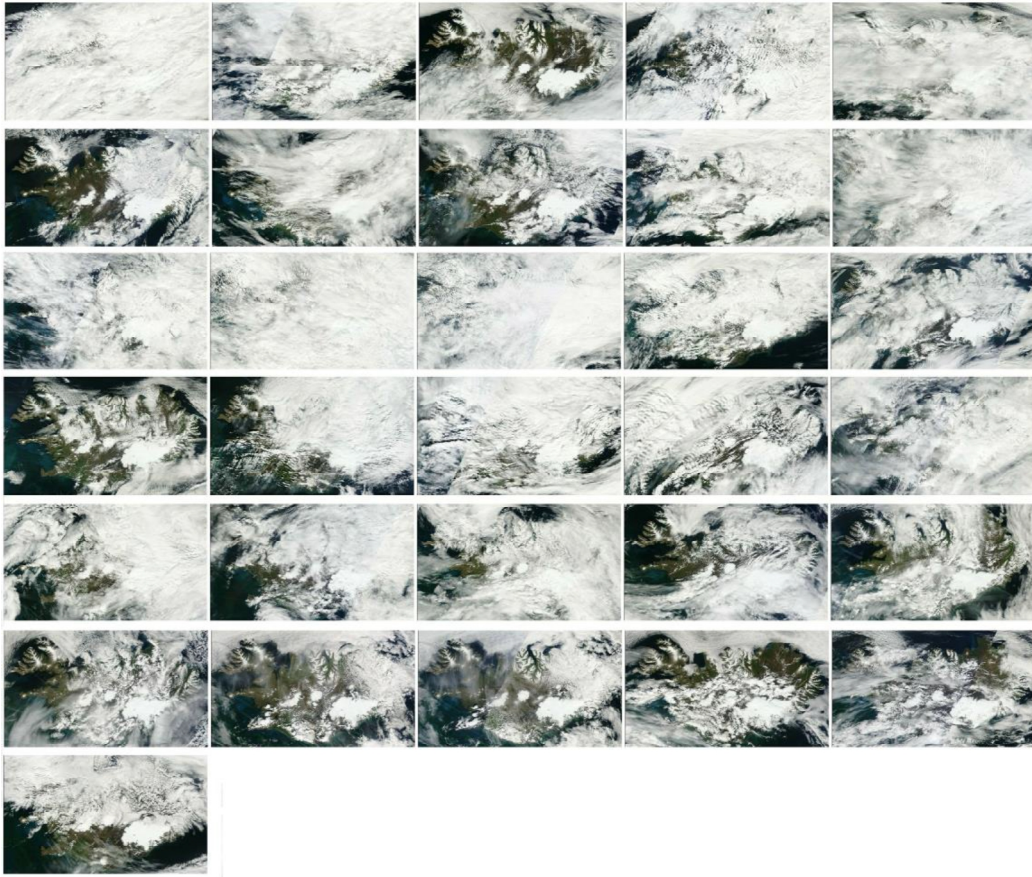
On the next pages MODIS images for all days of May, June, July, August and September 2015 are shown in 1km resolution.



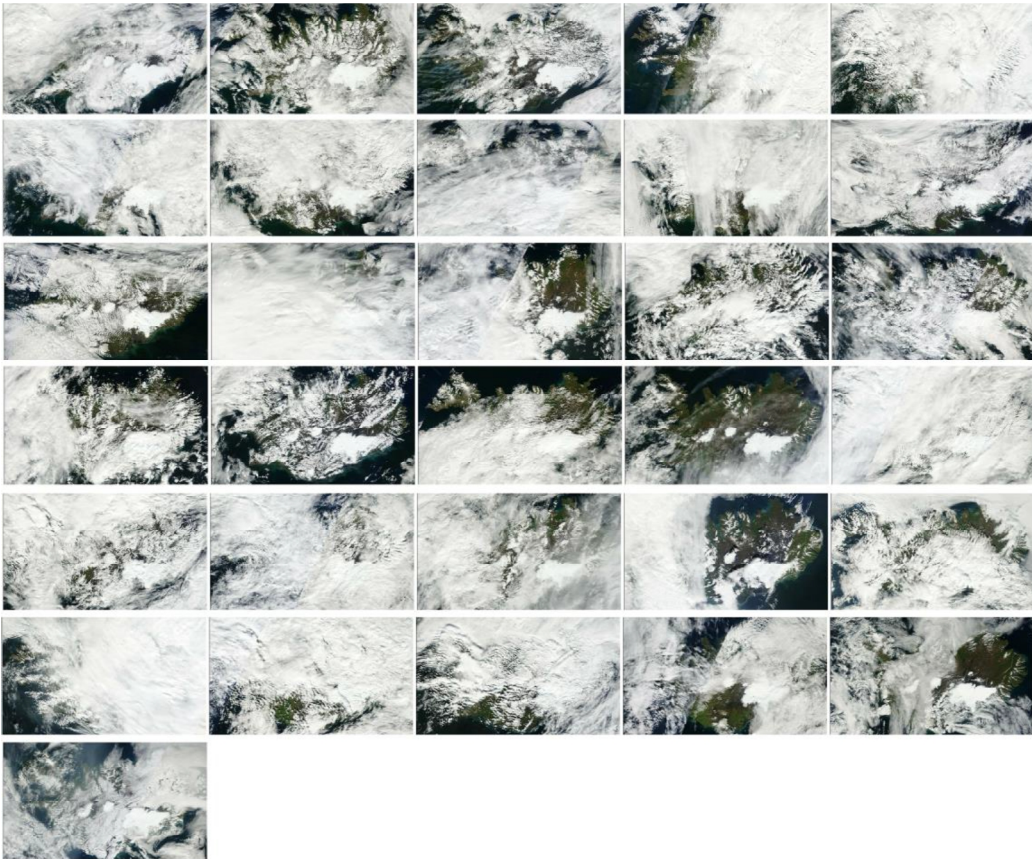
MODIS: May 2015 (read from left to right and downwards).



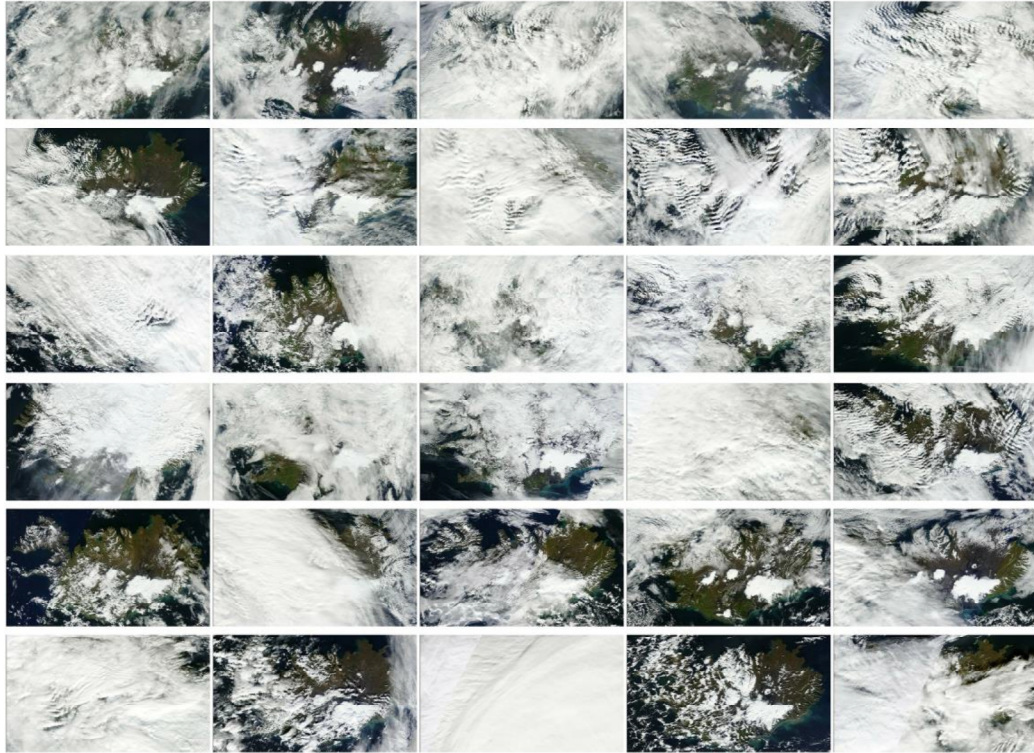
MODIS: June 2015 (read from left to right and downwards).



MODIS: July 2014 (read from left to right and downwards).



MODIS: August 2015 (read from left to right and downwards).



MODIS: September 2015 (read from left to right and downwards).