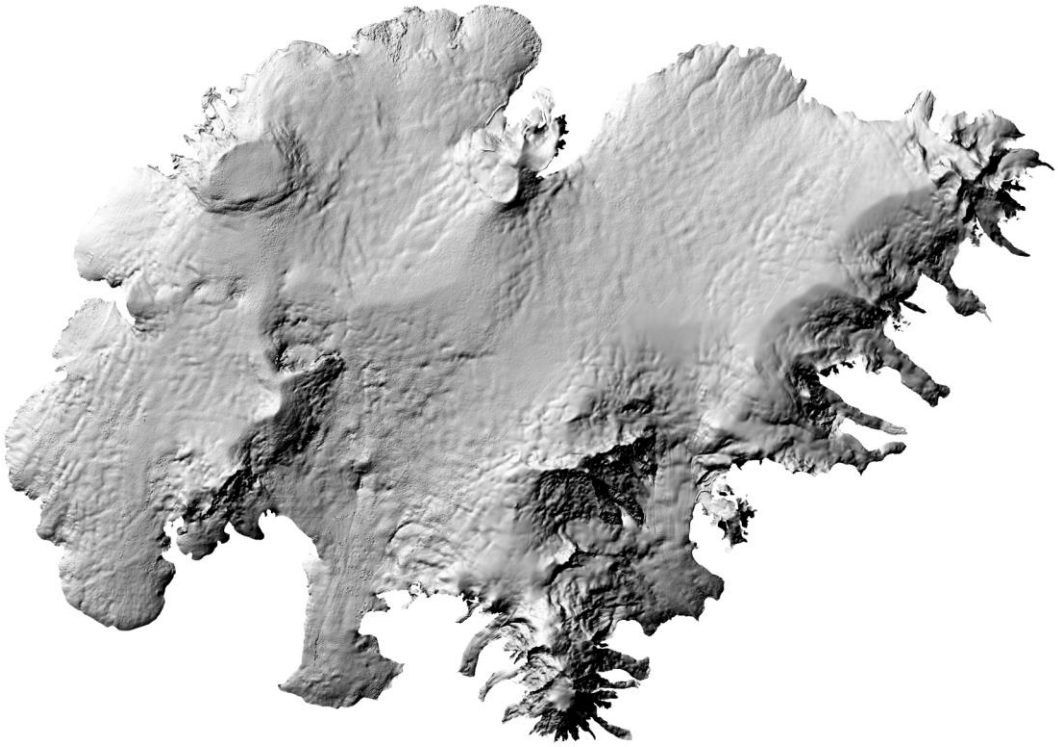
# VATNAJÖKULL:
# Mass balance, meltwater drainage and surface velocity of the glacial year 2016_17

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# 1. INTRODUCTION

In 1992 (glacial year 1991_92) 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 2016_2017 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, mass balance and melt water runoff for the glacial year 2016_17.

## 2. DIARY

Mars 2 - 3: installation of melt wires, maintenance of AWSs on Breiðamerkurjökull
May 3 - 7: measurements of the winter balance
June 4-9: measurements of the winter balance.
October 24 – 29: summer balance measurements, maintenance of AWSs on Breiðamerkurjökull.
December 14-15: summer balance measurements at lowest sites on Brúarjökull, maintenance of AWSs on Tungnaárjökull and Brúarjökull.

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 and Ágúst Þór Gunnlaugsson also Andri Gunnarsson, Gestur Jónsson and Helgi Karl Guðmundsson (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 meteoro-logical 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 ~30 $cm_{we}$ 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.

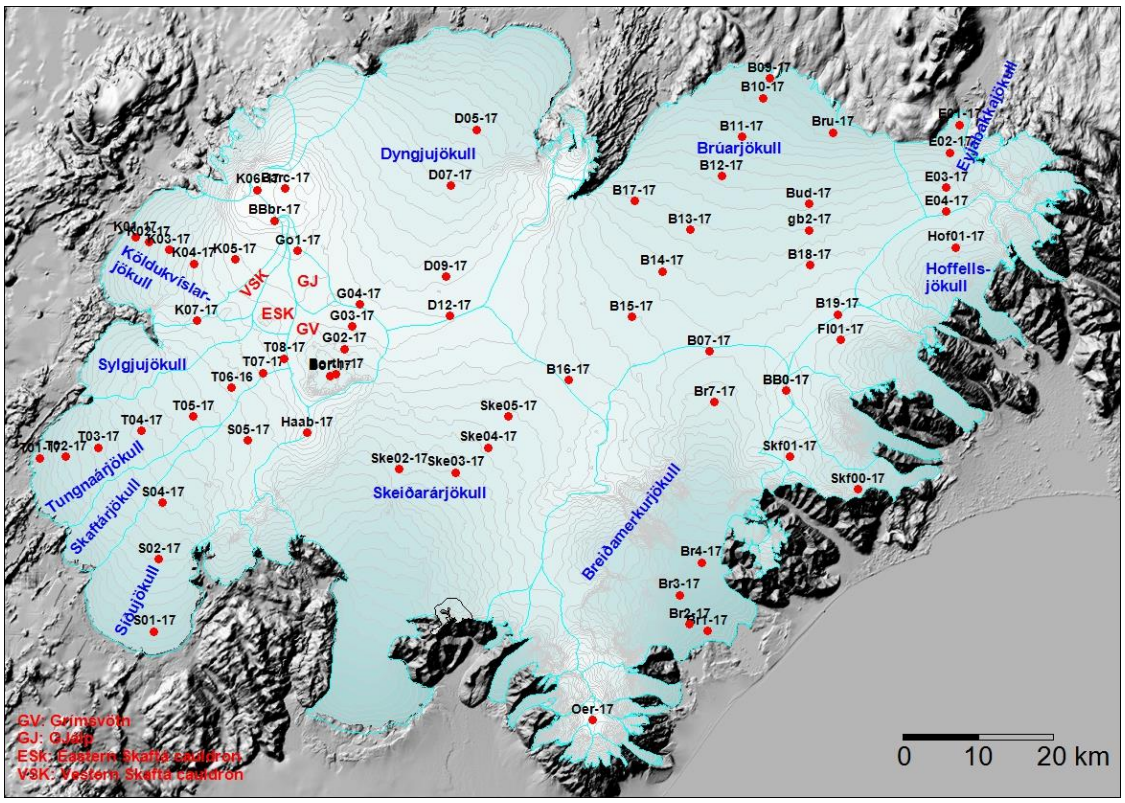



*Figure 1. Outlets of Vatnajökull and location of mass balance survey sites 2016_17.*

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 2017 (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.

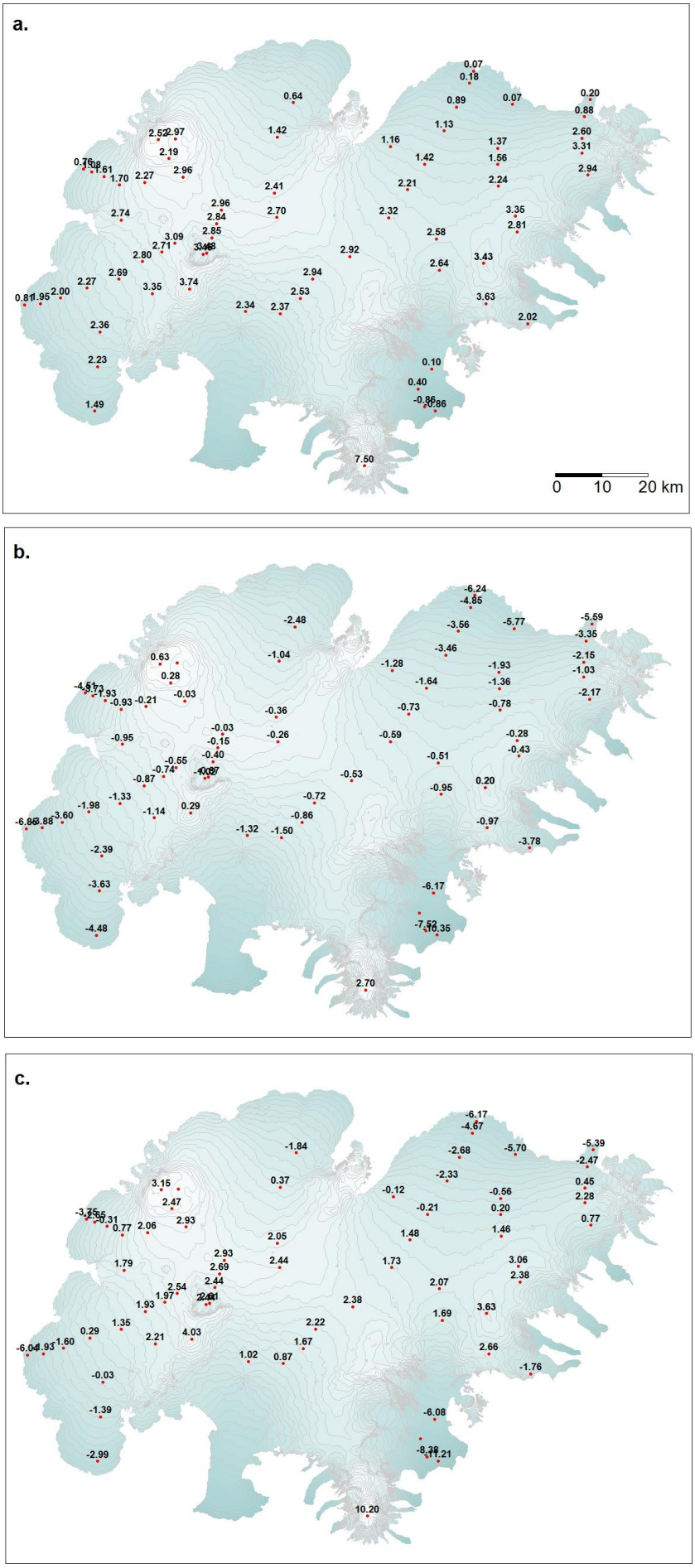



*Figure 2. Maps showing point values of specific mass balance in m water equivalent ($m_{we}$), 2016_17. a. winter, b. summer, c. net balance.*

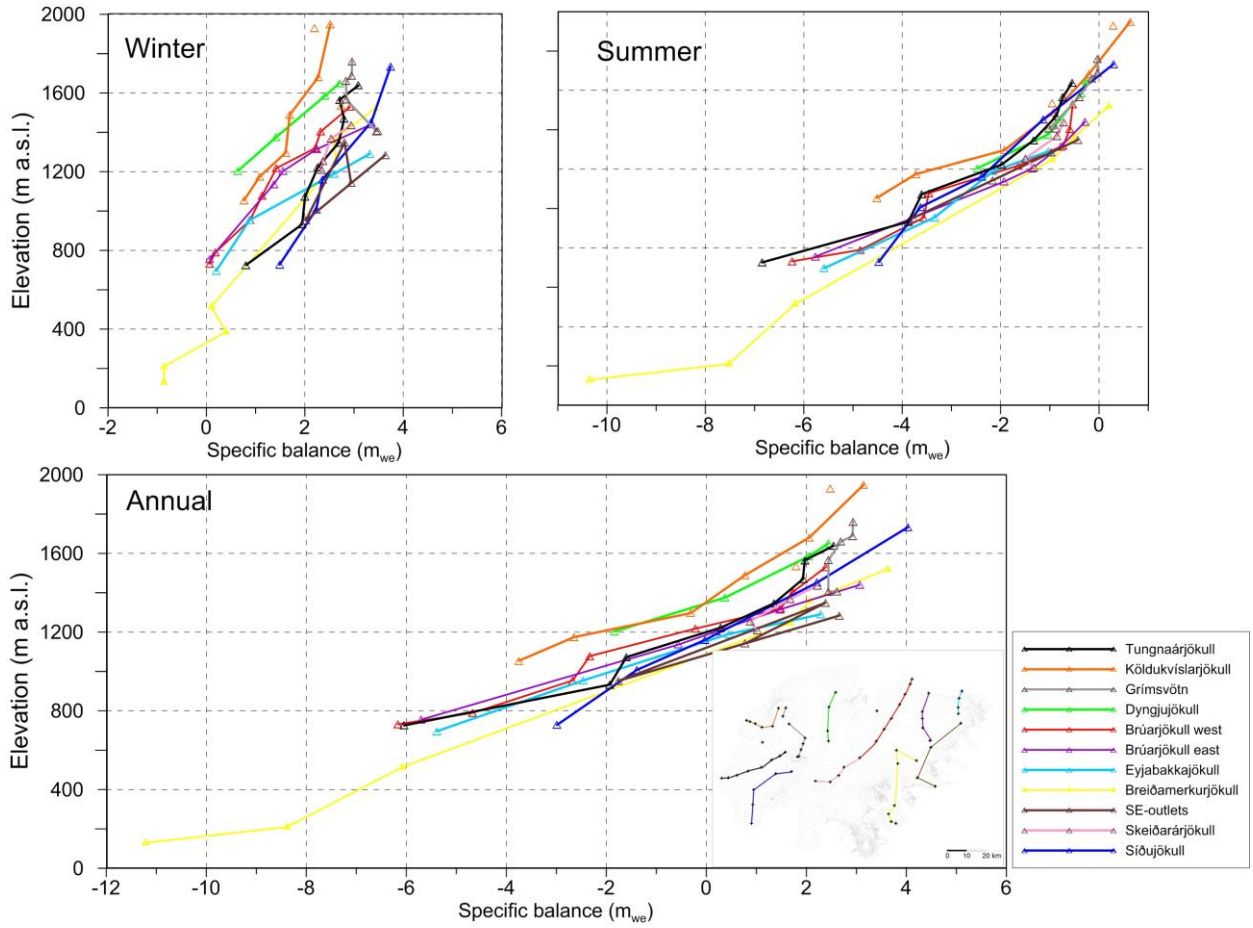



*Figure 3. a. Specific mass balance ($m_{we}$), along all mass balance profiles 2016_17.*

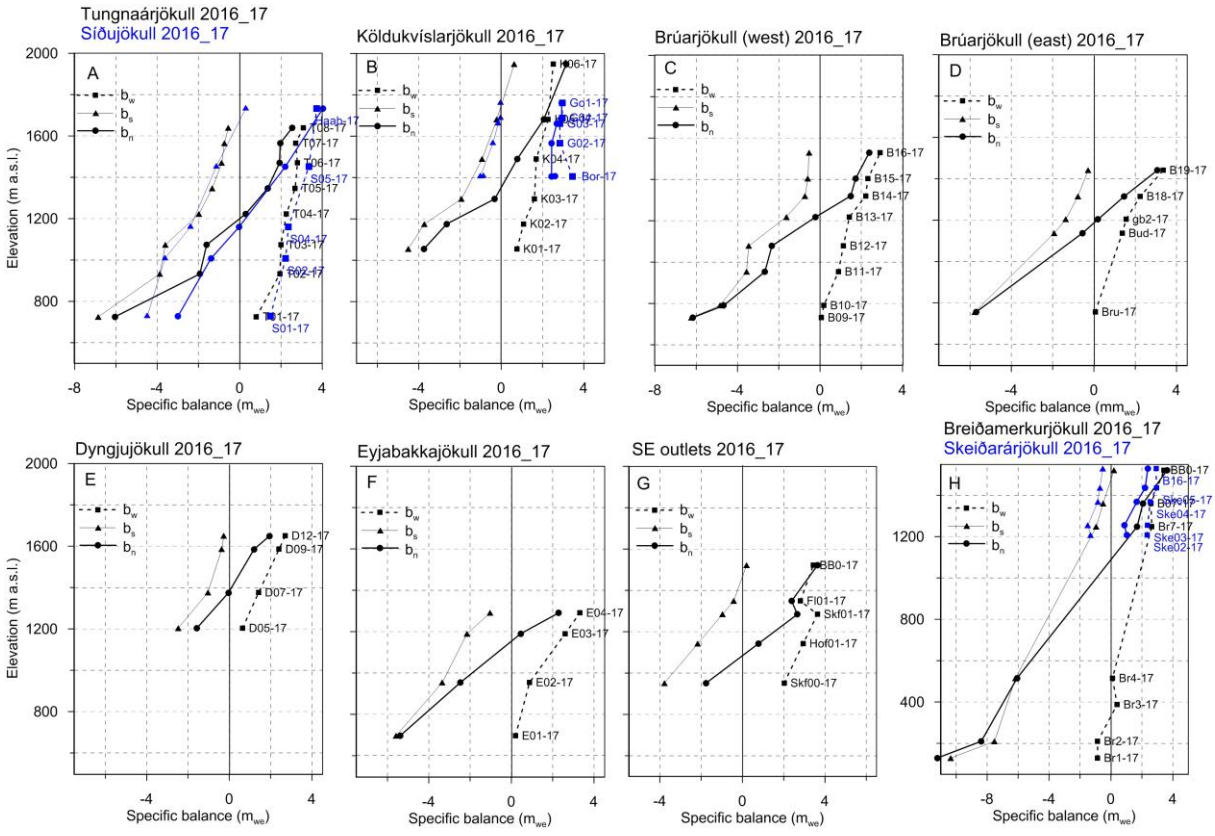



*Figure 3b. Specific mass balance ($m_{we}$) 2016_17 as a function of elevation on central flow lines on Vatnajökull outlets.*

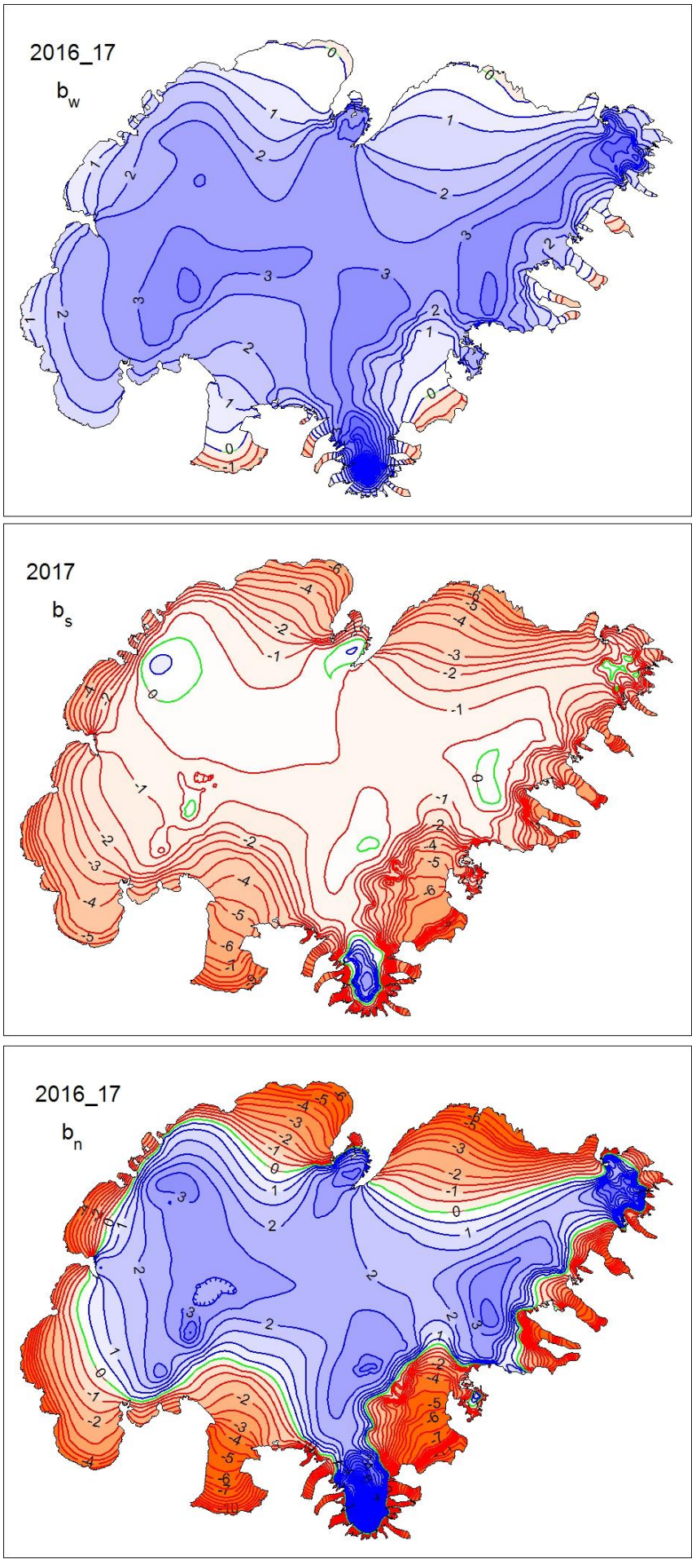



*Figure 4. Specific mass balance ($m_{we}$) maps of Vatnajökull 2016_17. Top: winter, Centre: summer, Bottom: net balance.*

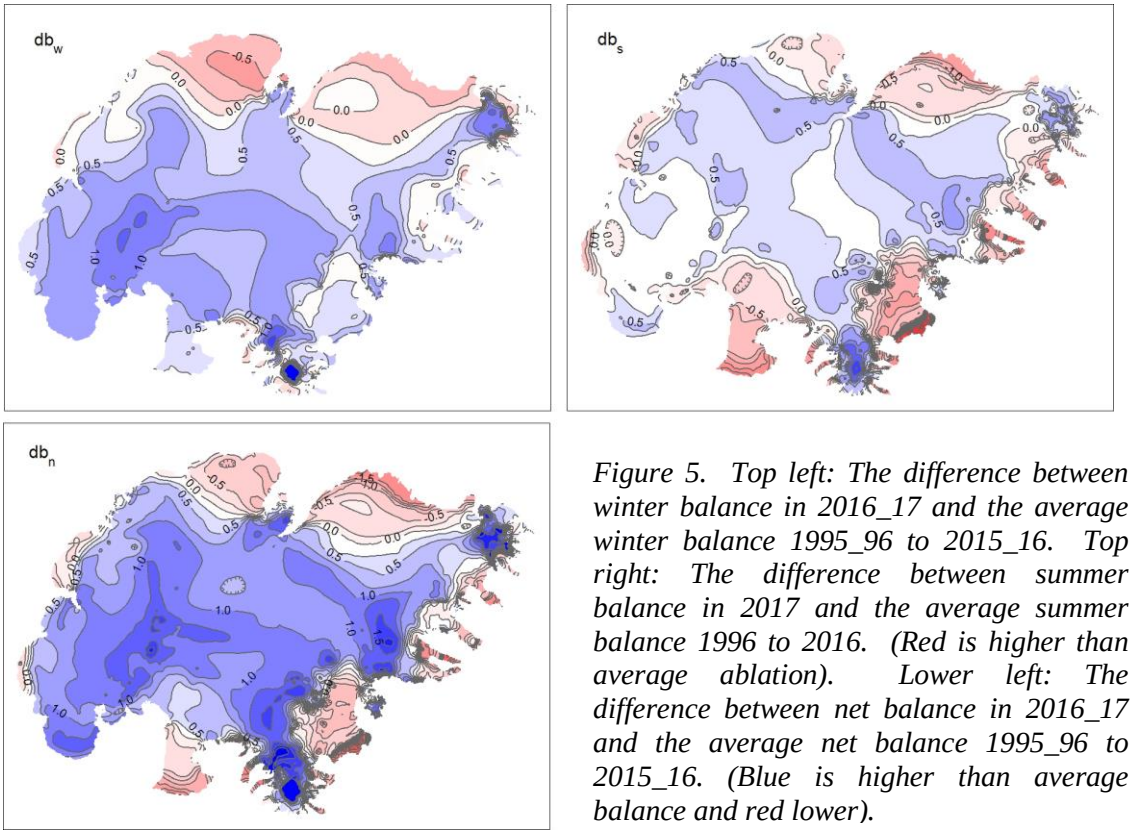



*Figure 5. Top left: The difference between winter balance in 2016_17 and the average winter balance 1995_96 to 2015_16. Top right: The difference between summer balance in 2017 and the average summer balance 1996 to 2016. (Red is higher than average ablation). Lower left: The difference between net balance in 2016_17 and the average net balance 1995_96 to 2015_16. (Blue is higher than average balance and red lower).*

A surface DEM is needed for surface area distribution and delineation of ice divides for individual outlets and catchments. A new surface DEM was created of Vatnajökull for this work. The DEM is mostly based on SPOT5 satellite images in 2010 , and partly from LiDAR survey 2010, -11 and -12 (Jóhannesson et al. 2013), but the large GPS profile set measured in spring 2015 was used to locally shift the older DEMs. This new DEM representing the surface of 2015 was used in all area distributions, but ice and water divides were not reworked.

The weather in the autumn and first winter months, 2016-17, was extremely wet but warm, not much snow below ~1000 m. The latter half winter into, especially February and May were also warm with more than average precipitation. The spring was relatively cold but dry.

Figure 5 (top left) shows that the winter accumulation is by far over average at all the accumulation zone, higher than average in the SW but less than average in the north. Winter melting at the low lying S outlets was more than average.

First summer months were calm and mostly dry, but cloudy in the SE over Vatnajökull. The last week of July and well into August were extremely as was the autumn. Melting at lower ablation zone extended well into October and even November. This resulted in total melt more than average melt in the ablation zone but less than average in the accumulation zone, where cold and cloudy first summer and occasional snow fall reduced the melt.

SPOT 5 HRG images were made available by the French Space Agency (CNES) through the ISIS (Incentive for the Scientific use of Images from the SPOT system) program and SPOT 5 HRS digital elevation models by the Spot Image project Planet Action (www.planet-action.org) and the SPIRIT SPOT 5 stereoscopic survey of Polar Ice.

Jóhannesson, T., Björnsson, H., Magnússon, E., Guðmundsson, S.,Pálsson, F., Sigurðsson, O., Thorsteinsson, T., and Berthier, E.: Ice-volume changes, bias estimation of mass-balance measurements and changes in subglacial lakes derived by lidar mapping of the surface Icelandic glaciers, Ann. Glaciol., 54, 63–74, doi:10.3189/2013AoG63A422,2013.

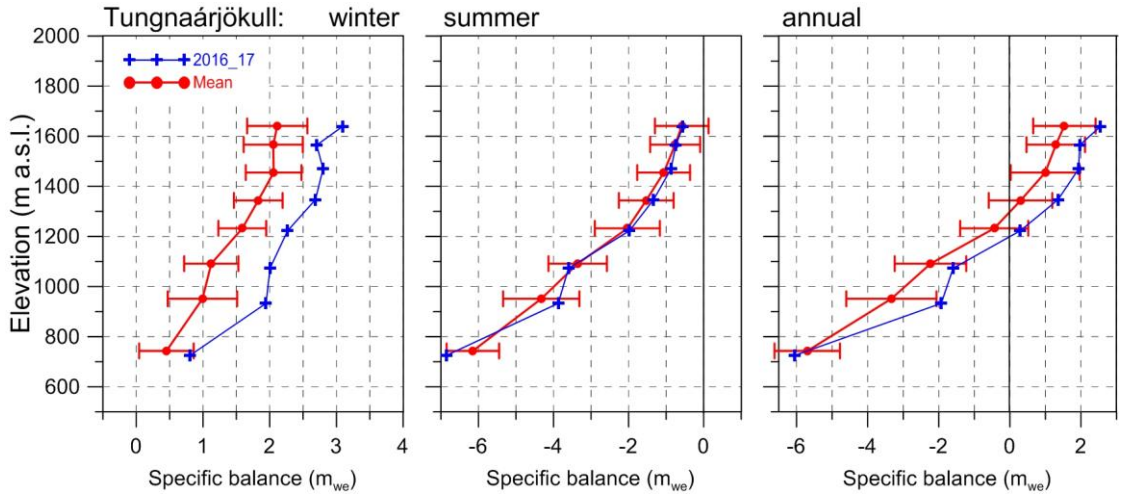



*Figure 6. Mass balance at a central flow line of Tungnaárjökull 2016_17 and average mass balance 1991_92 to 2014_15.*

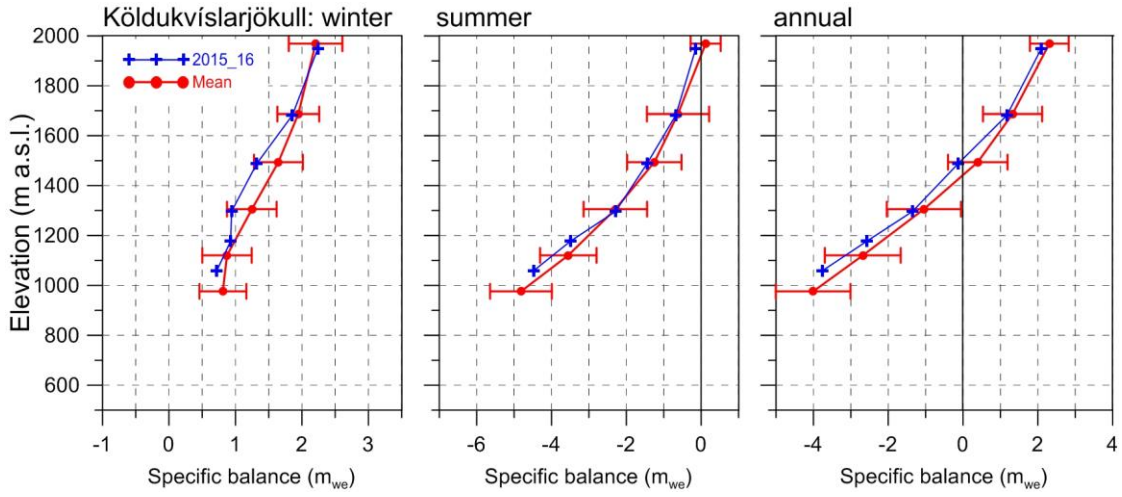



*Figure 7. Mass balance at a central flow line of Köldukvíslarjökull 2016_17 and average mass balance 1991_92 to 2014_15.*

### 3.2.1 Tungnaárjökull.

Area = 340 $km^2$
$B_w$= 0,74 $km^3_{we}$ ; $b_w$= 2,17 $m_{we}$
$B_s$ = -0,89 $km^3_{we}$ ; $b_s$ = -2,62 $m_{we}$
$B_n$ = -0,15 $km^3_{we}$ ; $b_n$ = -1,45 $m_{we}$
ELA = 1200 m a.s.l. (at profile)
AAR = 53 %
(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 far over average at all survey sites, by ~1 to 2 std. The total winter balance was 44% over average. Summer melting was also close to average at all survey sites. The summer balance was 1% less negative than the average during the survey period. The net balance was more negative, but only 40% of the average of the survey period. This is the 23 year out of the 26 surveyed with negative net balance.

### 3.2.2 Köldukvíslarjökull

Area = 298 $km^2$
$B_w$ = 0,52 $km^3_{we}$ ; $b_w$ = 1,73 $m_{we}$
$B_s$ = -0,53 $km^3_{we}$; $b_s$ = -1,77 $m_{we}$
$B_n$ = -0,01 $km^3_{we}$; $b_n$ = -0,04 $m_{we}$
ELA = 1355 m a.s.l. (at profile)
AAR = 46 %

Variation of mass balance along a central flow line on Köldukvíslarjökull is shown in Fig. 7. Accumulation was close to average except at the mid elevation sites (K03 and K04) where it was ~1 std. more than average. The

For each ice catchment basin, $B_w$, $B_s$ 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.

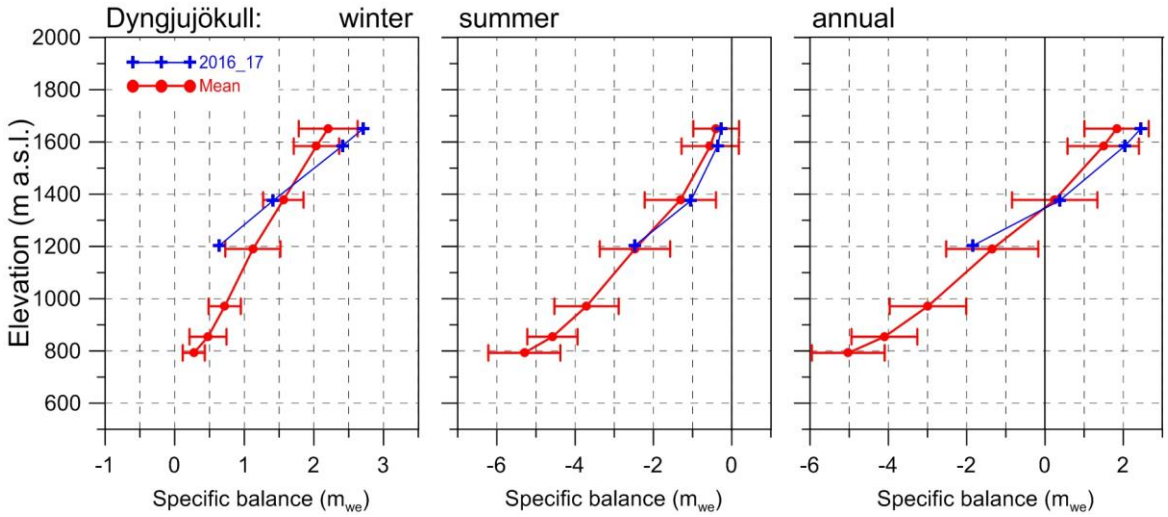



*Figure 8. Mass balance at a central flow line on Dyngjujökull 2016_17, and average mass balance 1991_92 to 2014_15 (except 1998_99 – 2003_04 at all but the top elevation).*

total winter balance was about 17% over the average since 1991_92. Summer balance was almost average at all survey sites. In all, the summer balance was negative, by 91% of the average summer of the survey period. The net balance was almost zero, the mass loss only 1/10 of the average.

### 3.2.3 Dyngjujökull

Area = 1059 $km^2$
$B_w$ = 1,81 $km^3_{we}$ ; $b_w$= 1,71 $m_{we}$
$B_s$ = -1,57 $km^3_{we}$ ; $b_s$ = -1,48 $m_{we}$
$B_n$ = 0,24 $km^3_{we}$ ; $b_n$ = 0,23 $m_{we}$
ELA = 1350 m a.s.l. (at profile)
AAR = 64 %

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. Inspection of the winter Modis images shown in appendix F suggest that at the glacier snout snow cover was very thin, less than average below 1400 m but ~1 std. above average in the high accumulation zone. The total winter balance was 8% over the average.

Summer balance was very close to average at all survey sites. The summer balance was negative, at 92% of an average summer. The net balance was positive, now 0,23 $m_{we}$ while the average is slightly negative (-0,03 $m_{we}$).

Dyngjujökull has often has 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.

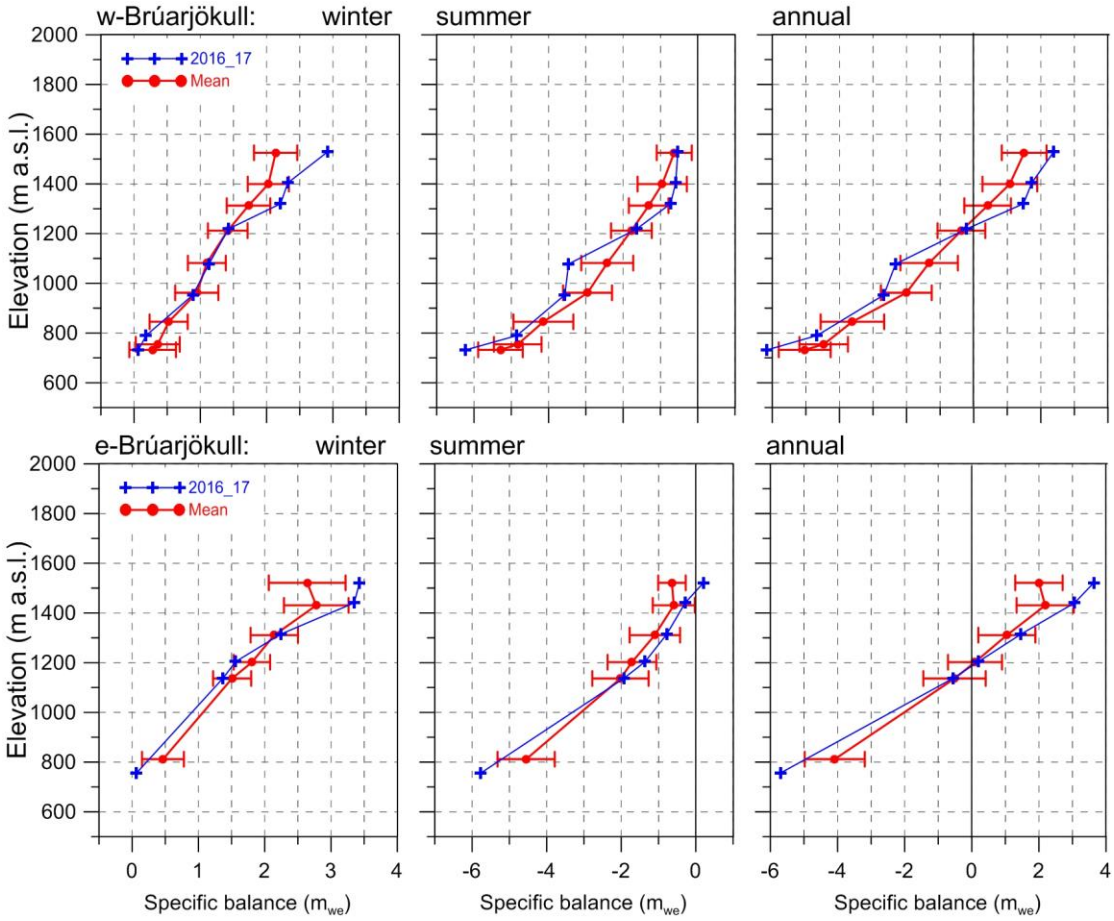



*Figure 9. Mass balance at two flow lines on Brúarjökull 2016_17, and average mass balance 1992_93 to 2014_15.*

### 3.2.4 Brúarjökull

Area = 1524 $km^2$
$B_w$ = 2,74 $km^3_{we}$ ;$b_w$ = 1,80 $m_{we}$
$B_s$ = -2,70 $km^3_{we}$; $b_s$ = -1,77 $m_{we}$
$B_n$ = 0,39 $km^3_{we}$; $b_n$ = 0,03 $m_{we}$
ELA = 1230 m a.s.l. (western flow line)
ELA = 1200 m a.s.l. (eastern flow line)
AAR = 61 %

Variation of mass balance along two flow lines on Brúarjökull is shown on Fig. 9. Accumulation was close to average at mid elevations survey sties, over 1 std. over average at the highest sites (on Breiðabunga) and less than 1 std. at the lowest sites. The winter balance was about 13% higher than average since 1992_93. Summer balance (melt) was less than average in the mid accumulation zone and the upper eastern sites, but more than average melt occurred at the lowest sites. On Breiðabunga (Sites B19 and BB0) more snow collected than melted during the sumer. The summer balance was negative by 94% of an average summer of the survey period. The net balance was by far more positive than average at the highest sites, but by far more negative than average in the ablation zone. In total the net balance was positive, 0.33 m we higher than the avarege.
During the survey period, there have been 7 years of positive balance but 18 years with negative balance.

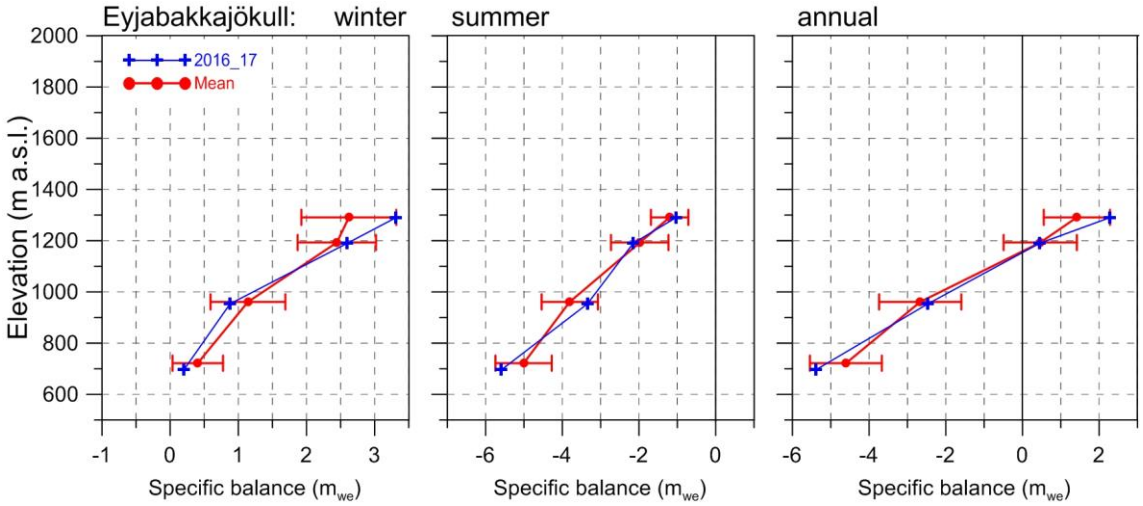



*Figure 10. Mass balance at a central flow line of Eyjabakkajökull 2016_17 and average mass balance 1995_96 to 2014_15.*

### 3.2.5 Eyjabakkajökull

Area = 112 $km^2$
$B_w$= 0,22 $km^3_{we}$; $b_w$ = 2,00 $m_{we}$
$B_s$ = -0,27 $km^3_{we}$; $b_s$ = -2,50 $m_{we}$
$B_n$ = -0,05 $km^3_{we}$; $b_n$ = -0,50 $m_{we}$
ELA = 1155 m a.s.l. (at profile)
AAR = 44 %

Variation of mass balance along a central flow line on Eyjabakkajökull is shown on Fig. 10. Accumulation was close average at the lower sites, but 1 std. more than average at the top site. reflecting cold latter half of winter . The total winter balance 2016_17 was ~10% over the average 1995_96 to 2014_15. Summer melting was not far from average at all survey sites. There was slight mass loss at the upper sites but as expect the unusually thick snow on the snout resulted in net balance less negative than average (91%). In total the net balance was at average.

### 3.2.6 Breiðamerkurjökull

Area = 936 $km^2$
$B_w$ = 1,94 $km^3_{we}$; $b_w$ = 2,07 $m_{we}$
$B_s$ = -2,45 $km^3_{we}$; $b_s$ = -2,61 $m_{we}$
$B_n$ = -0,51 $km^3_{we}$; $b_n$= -0,54 $m_{we}$
ELA = 1095 m a.s.l. (at profile)
AAR = 58 %

Variation of mass balance along a central flow line on Breiðamerkurjökull is shown on Fig. 11.
Winter accumulation was well over average at the survey sites in the accumulation zone.

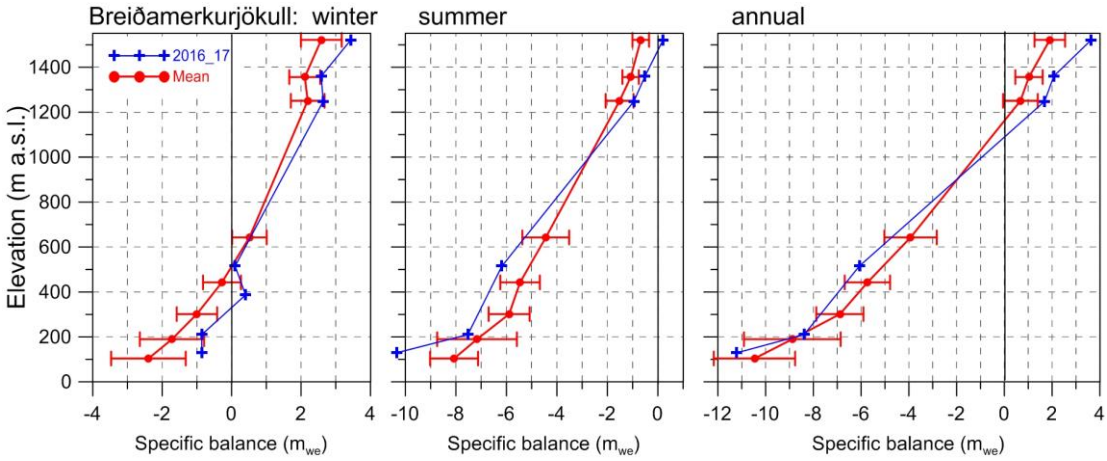



*Figure 11. Mass balance at a central flow line of Breiðamerkurjökull 2016_17, and average mass balance 1995_96 to 2014_15.*

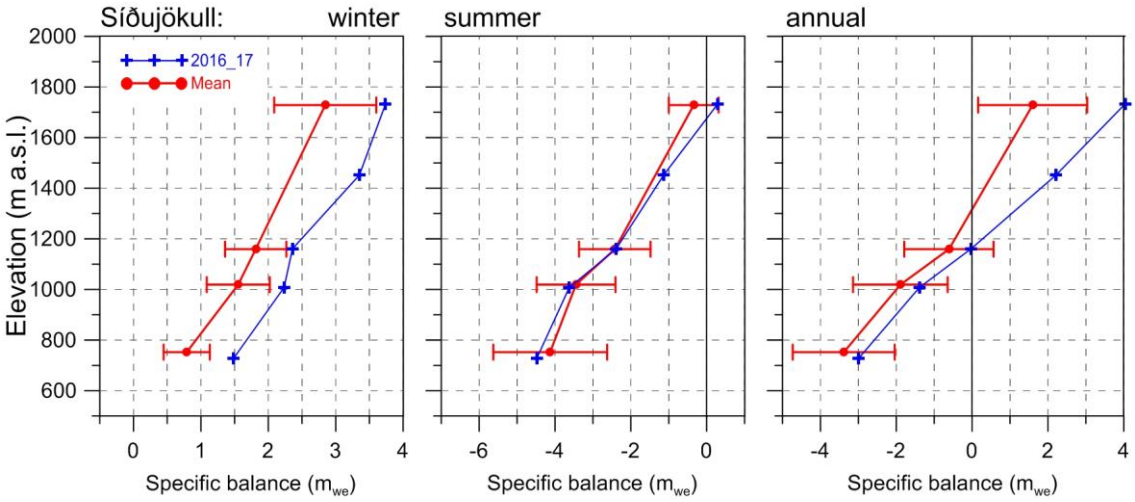



*Figure 12. Mass balance at a central flow line of Síðujökull 2016_17 and average mass balance 2004_05 to 2014_15.*

At the lowest sites about 1 std. less mass loss in winter. The total winter balance was ~41% over average. Summer mass loss was by far less than average at the tope sites, but by far more at the lowest sites. The total negative summer balance was only almost at average during the survey period. The net balance was about half that of an average year.

### 3.2.7 Síðujökull

Area = 423 $km^2$
$B_w$= 1,03 $km^3_{we}$; $b_w$ = 2,43 $m_{we}$
$B_s$ = -1,14 $km^3_{we}$; $b_s$ = -2,69 $m_{we}$
$B_n$ = -0,11 $km^3_{we}$; $b_n$= -0,27 $m_{we}$
ELA = 1160 m a.s.l. (at profile)
AAR = 49 %

Variation of mass balance along a central flow line on Síðujökull is shown on Fig. 12. Snow accumulation more than 1 std. over average at all sites, up to about 1.5 std. at the lowest site.

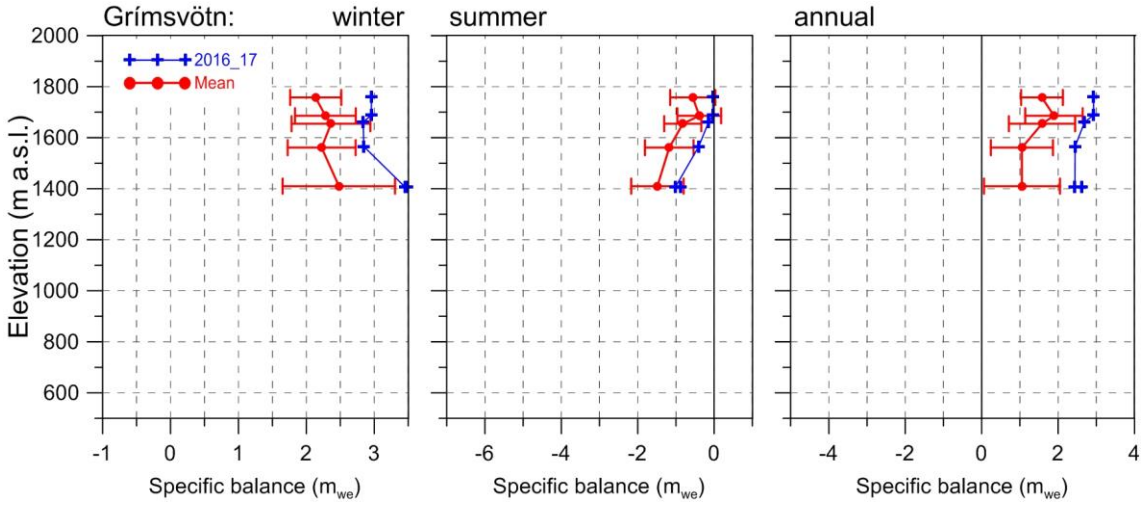



*Figure 13. Mass balance at a central flow line towards Grímsvötn 2016_17 and average mass balance 1991_92 to 2014_15.*

The total winter balance was 51% over the average (past decade). Summer balance was about average, except at the highest, where summer balance was positive. The total summer balance was negative by ~91% of the average during the survey period. The net balance negative but 1 m less so than in an average year of the survey period.

### 3.2.6 Grímsvötn-Gjálp

Area = 174 $km^2$
$B_w$ = 0,53 $km^3_{we}$; $b_w$ = 3,05 $m_{we}$
$B_s$ = -0,07 $km^3_{we}$; $b_s$ = -0,39 $m_{we}$
$B_n$ = 0,46 $km^3_{we}$; $b_n$= 2,66 $m_{we}$

Variation of mass balance close to a central flow line from Bárðarbunga towards Grímsvötn center is shown in Fig. 13. Snow accumulation was ~1 std. over average at all survey sites. The total winter balance was ~30% over average. Summer balance negative at all sites, but ~1 Std. less than average. The net balance was highly positive, ~70% 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:

**$B_w$ = 16,45 $km^3_{we}$ ; $b_w$ = 2,07 $m_{we}$**
**$B_s$ = -16,49 $km^3_{we}$ ; $b_s$ = -2,08 $m_{we}$**
**$B_n$ = -0,04 $km^3_{we}$ ; $b_n$ = -0,01 $m_{we}$**
**AAR = 61%**

The autumn of 2016 was wet and windy, followed by a winter colder than average this century. In winter the precipitation in NE and E Iceland was over average reflecting snowfall in E, and NE wind directions. The spring weather was calm, and unusually dry. The total winter balance was 33% higher than average (over the observation period from 1991_92, Fig. 14). The zero mass balance turnover for Vatnajökull (current topography) is close to 13,5 $km^3_{we}$ (1,7 $m_{we}$) and the winter balance 2016_17 is ~22% higher.

In spite of a calm and dry summer in Iceland, on Vatnajökull most of the summer was cloudy, about 1/3 of the summer-days were close to cloud free (see Modis images in Appendix F). Latter half of September and first weeks of October were unusually

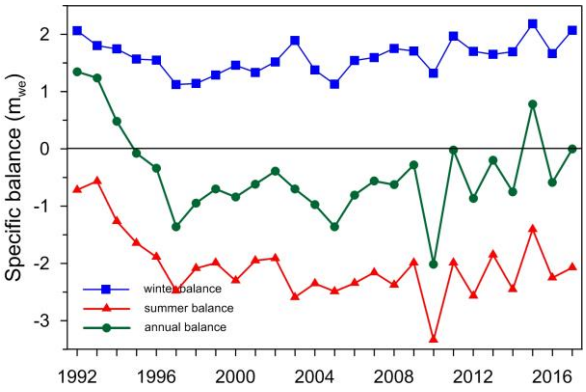



*Figure 14. Specific mass balance record for Vatnajökull 1991_92 – 2016_17.*

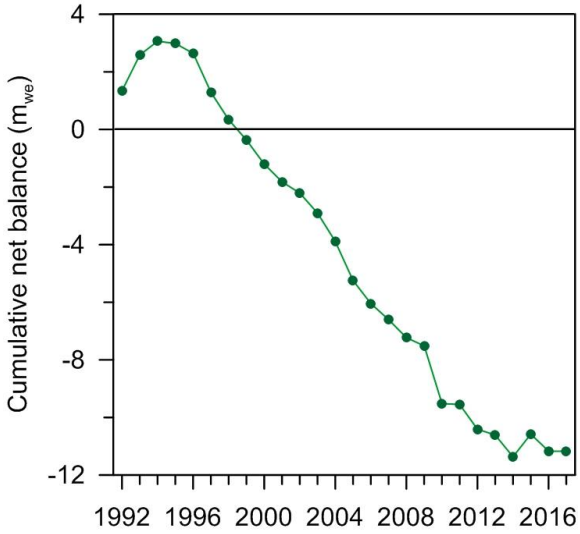



*Figure 15. Cumulative specific mass balance of Vatnajökull 1991_92 – 2016_17.*

favorable for ablation both warm and windy. The total summer balance was negative but only ~94% of the average since 1995. As mentioned above, zero mass balance turnover for Vatnajökull (current topography) is close to 13,5 $km^3_{we}$ (1,7 $m_{we}$), the summer balance 2017 was -16.49 $km^3_{we}$ or ~22 % more loss than the zero balance turnover. The net balance was only marginally negative this year. It has been negative since 1994_95 (except 2014_15).

However the ~20 year period of high mass seems to have halted, and currently Vatnajökull is close balance. For each of the 4 consecutive years of close to zero balance, the reasons vary. For this year the explanation is the extremely high winter balance, sumer balance is not that far from average of the survey period.

The temporal variability of mass balance for different outlets is shown in Fig. 16. The greatest variability of

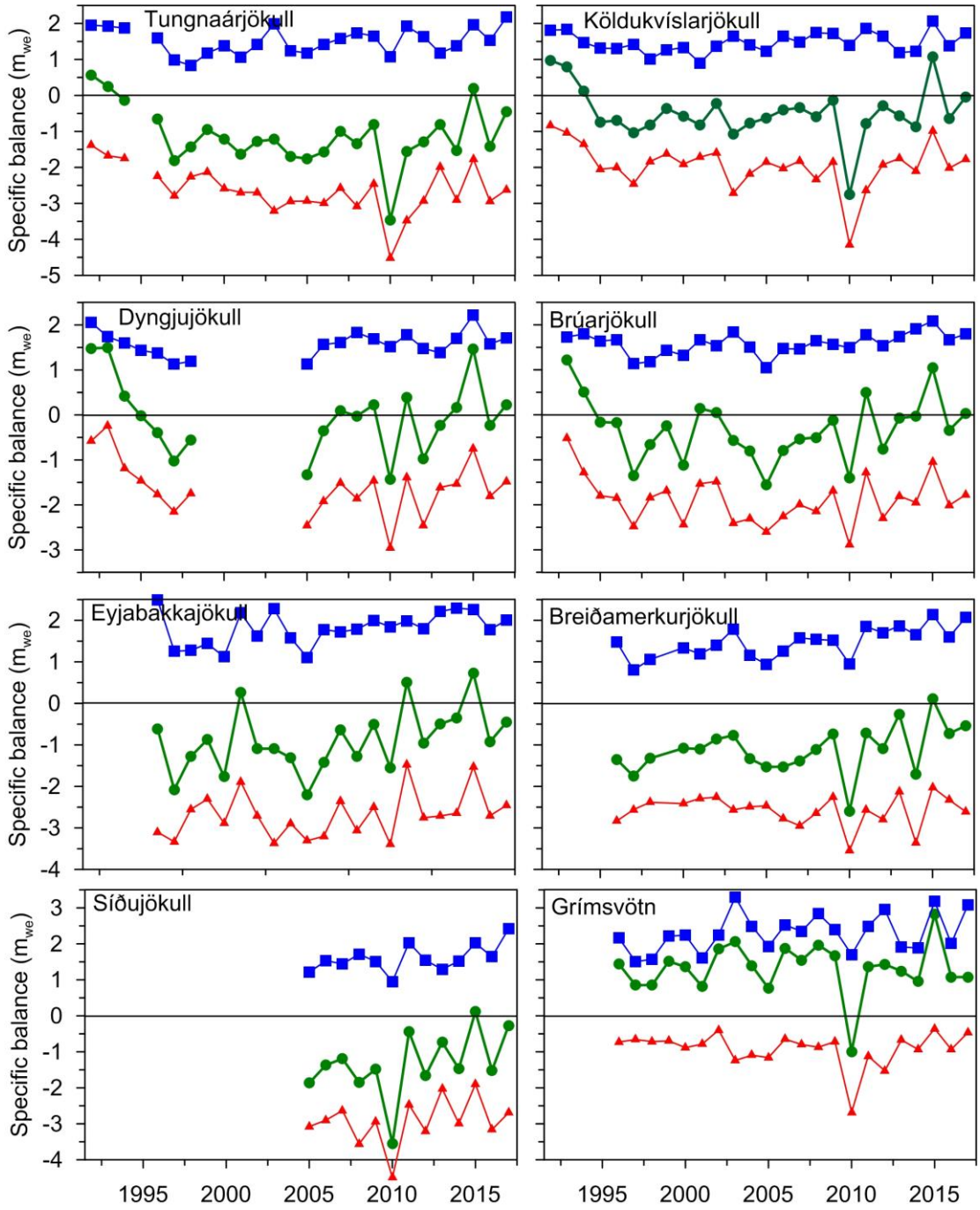



*Figure 16. Specific mass balance record for Vatnajökull outlets 1991_92-2016_17.*

the winter balance is for Eyjabakkajökull the eastern most of the studied outlets. This part of the glacier is 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. 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 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 equilibrium, 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 $m_{we}$ per 100 m, except Eyjabakkajökull with a slope of -1 $m_{we}$ per 100.

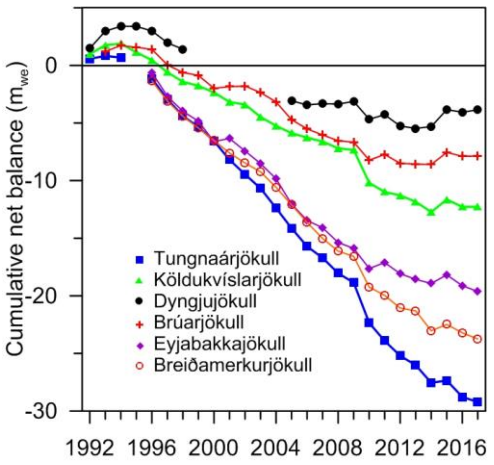



*Figure 17. Cumulative specific mass balance for several of Vatnajökull outlets 1991_92 – 2015_17.*

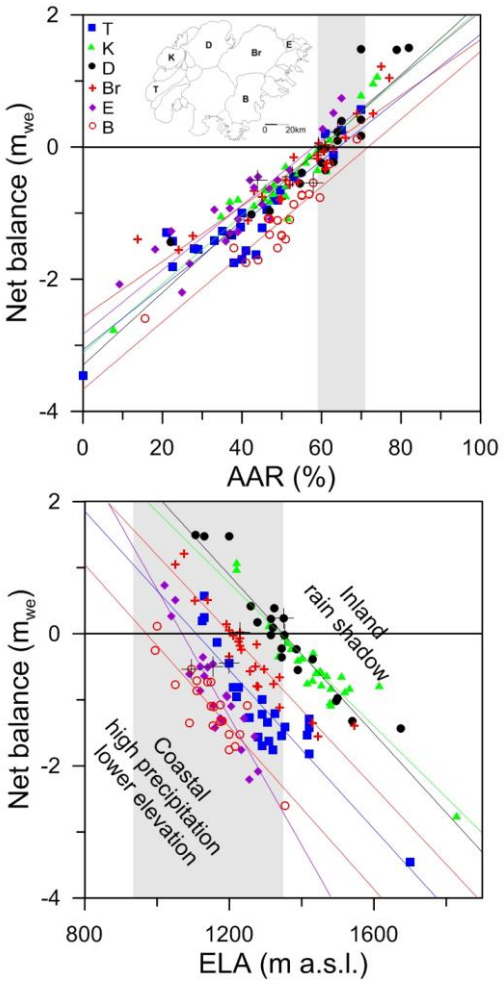



*Figure 18. The relation between net annual balance ($b_n$) and accumulation area ratio (AAR)(upper) and $b_n$ and equilibrium line altitude (ELA), for Vatnajökull outlets during the survey period. (This years points are marked with a black +).*

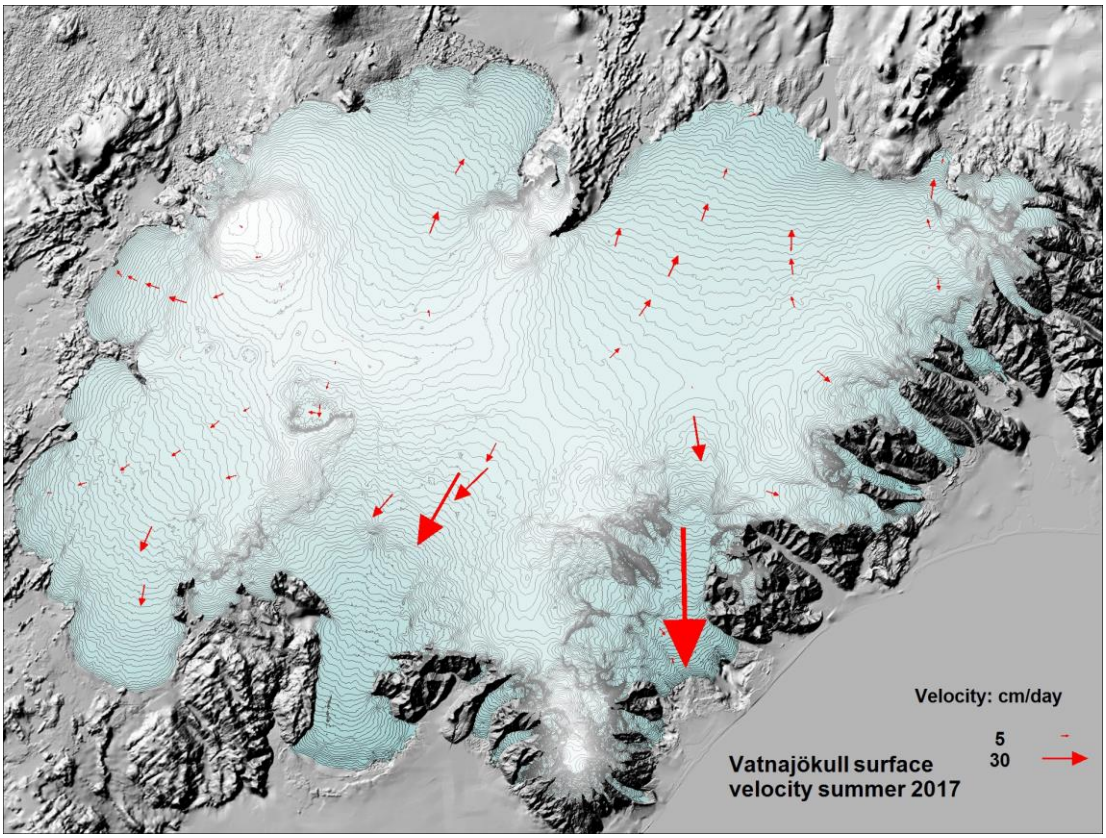



*Figure 19. Average surface velocity at survey sites in 2016_17.*

## 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. To better understand this continuous GPS has been run during summer at several sites.

From previous velocity measurements, surging of outlets has been predicted. No signs of a starting surge are seen from this year's survey.

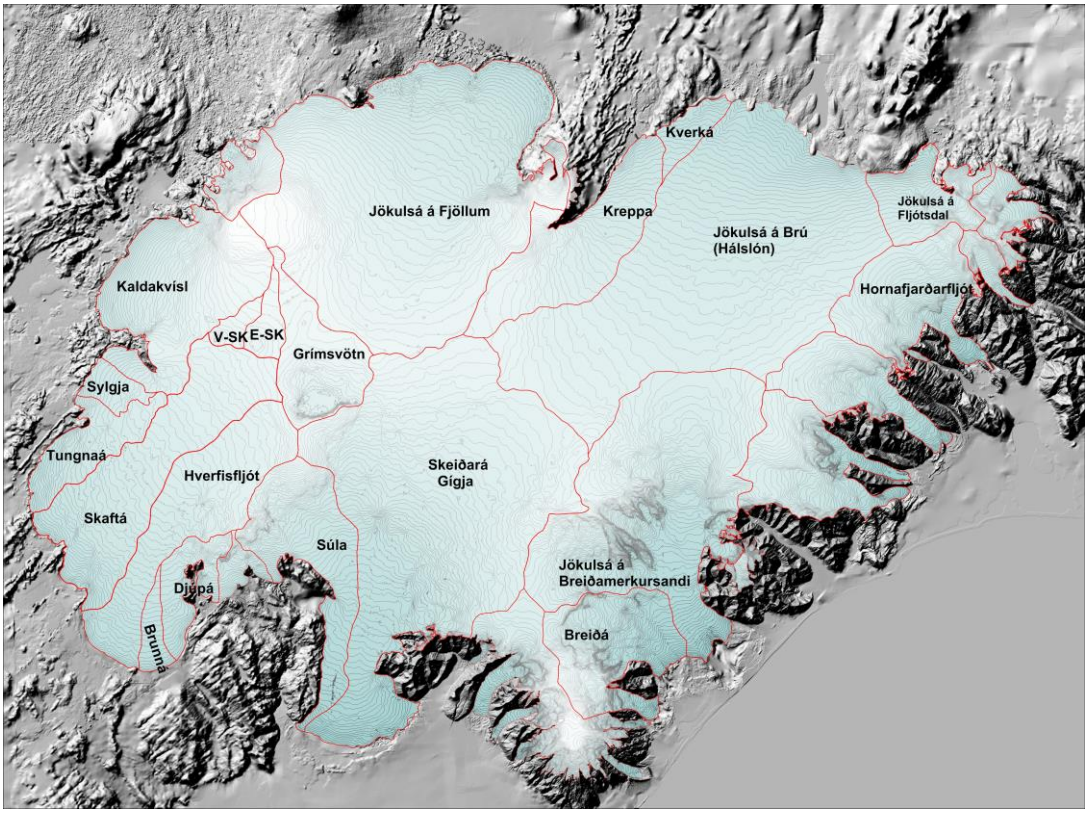



*Figure 20. Water divides and drainage basins of selected rivers draining water from Vatnajökull.*

**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 that 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

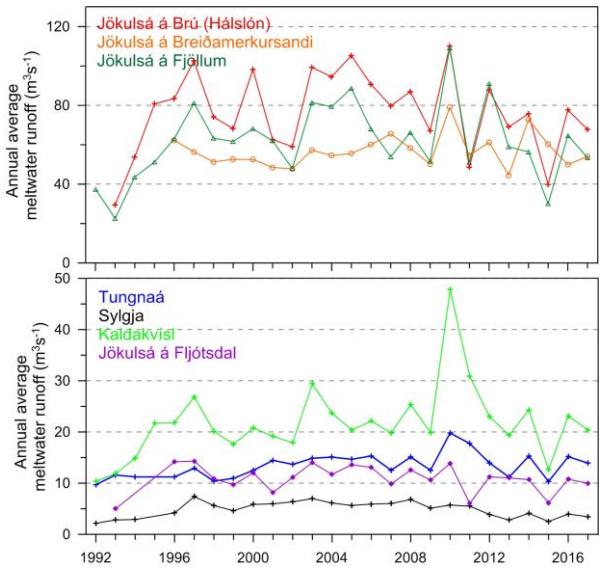



*Figure 21. The temporal variation of average annual meltwater runoff to selected river catchments.*

**Table I. Melt water drainage to selected rivers.**

| Water Catchment: | Area ($km^2$) | $\Sigma Q_s$ ($10^6 m^3$) | $Q_s$ ($m^3 s^{-1}$) | $Q_a$ ($m^3 s^{-1}$) | $q_s$ ($ls^{-1} km^{-2}$) |
|---|---|---|---|---|---|
| Vatnajökull | 7890,0 | 16639,3 | 1578,6 | 527,6 | 66,9 |
| Tungnaá | 121,8 | 439,3 | 41,7 | 13,9 | 114,4 |
| Sylgja | 39,7 | 108,6 | 10,3 | 3,4 | 86,7 |
| Kaldakvísl | 367,9 | 643,5 | 61,0 | 20,4 | 55,5 |
| Jokulsa a Fjöllum | 1188,3 | 1685,0 | 159,9 | 53,4 | 45,0 |
| Kreppa | 291,2 | 365,4 | 34,7 | 11,6 | 39,8 |
| Kverka | 47,0 | 220,9 | 21,0 | 7,0 | 149,0 |
| Jokulsa a Brú | 1214,8 | 2136,6 | 202,7 | 67,8 | 55,8 |
| Jökulsá á Fljótsdal | 130,6 | 314,8 | 29,9 | 10,0 | 76,4 |
| Jökulsá í Lóni | 101,3 | 220,5 | 20,9 | 7,0 | 69,0 |
| Hornafjarðarfljót | 239,1 | 589,1 | 55,9 | 18,7 | 78,1 |
| Jökulsá á Breiðamerkursandi | 739,5 | 1703,6 | 161,6 | 54,0 | 73,1 |
| Breiðá-Fjallsá | 234,6 | 934,7 | 88,7 | 29,6 | 126,3 |
| Skeiðará-Gígja | 1165,2 | 2296,2 | 217,8 | 72,8 | 62,5 |
| Súla | 255,8 | 814,2 | 77,2 | 25,8 | 100,9 |
| Brunná | 35,8 | 155,8 | 14,8 | 4,9 | 138,0 |
| Djúpá | 83,7 | 276,6 | 26,2 | 8,8 | 104,8 |
| Hverfisfljót | 317,7 | 675,0 | 64,0 | 21,4 | 67,4 |
| Skaftá | 394,9 | 974,3 | 92,4 | 30,9 | 78,2 |
| Grímsvötn | 173,3 | 67,7 | 6,4 | 2,1 | 12,4 |
| Eystri Skaftárketill | 39,4 | 11,8 | 1,1 | 0,4 | 9,5 |
| Vestari Skaftárketill | 25,1 | 11,8 | 1,1 | 0,4 | 14,9 |
| Hólmsá | 164,9 | 403,4 | 38,3 | 12,8 | 77,6 |
| Heinabergsvötn | 229,6 | 623,0 | 59,1 | 19,8 | 86,1 |
| Skjálfandafljót | 97,2 | 105,2 | 10,0 | 3,3 | 34,3 |

$\Sigma Q_s$: 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 $km^2$ (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 ~10 to 150 $ls^{-1}km^{-2}$. This is mainly due to different elevation distributions, for example, the water drainage basins for Tungnaá and Kverká are within the ablation area, while that of Grímsvötn and Skaftárkatlar are high in the accumulation zone.

## 6. Conclusions

The weather in the autumn and first winter months, 2016-17, was extremely wet but warm, not much snow below ~1000 m. The latter half winter into, especially February and May were also warm with more than average precipitation. The spring was relatively cold but dry. Winter accumulation is by far over average at all the accumulation zone, higher than average in the SW but less than average in the north. Winter melting at the low lying S outlets was more than average.

First summer months were calm and mostly dry, but cloudy in the SE over Vatnajökull. The last week of July and well into August were extremely as was the autumn. Melting at lower ablation zone extended well into October and even November. This resulted in total melt more than average melt in the ablation zone but less than average in the accumulation zone, where cold and cloudy first summer and occasional snow fall reduced the melt.

The total winter balance was 33% higher than average (over the observation period from 1991_92.

The total summer balance was about 94% of the average since 1995. The net balance was negative as it has been since 1994_95 (except 2014_15), but now only marginally so.

The about 20 year period of high mass loss seems to have halted; the past few years have all had net balance close to zero, and there has been a positive trend in the net balance since about 2009, although with high variability.

This years close to zero balance is primarily explained by the extremely high winter balance, summer balance is not that far from the average of the survey period.

The total mass loss over the 26 year survey period is 11,2 $m_{we}$ (ice volume of ~99 $km^3$) since 1991_92 (or since 1994_95, 14,2 $m_{we}$ (ice volume of 126 $km^3$)). The volume loss since 1991_92 amounts to ~3% of total ice volume (~4% since 1994_95).

Glacier meltwater runoff in summer 2017 (estimated from summer balance only, summer rain and snow that falls and melts during summer is not included; averages refer to the survey period of each outlet): to Tungnaá 95% of the average, 92 % of the average to Kaldakvísl, 86% of the average to Jökulsá á Fjöllum, 95% of the average to Hálslón, 92% of average to Jökulsá í Fljótsdal and 97% of the average to Jökulsá á Breiðamerkursandi.

**Mass balance summary 2016_17:**

**$B_w$ = 16,45 $km^3_{we}$**
**$B_s$ = -16,49 $km^3_{we}$**
**$B_n$ = -0,04 $km^3_{we}$**

**AAR = 61%**

**Specific Values:**

**$b_w$ = 2,07 $m_{we}$**
**$b_s$ = -2,08 $m_{we}$**
**$b_n$ = -0,01 $m_{we}$**

## Appendix A: Mass balance at measurement sites 2016_17.

**$b_w$:** 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 | Date | Date | $b_w$ | $b_s$ | $b_n$ | la |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Latitude | | Longitude | | (m a.s.l.) | in spring | in autumn | (m) | (m) | (m) | (m) |
| B09-17 | 64 | 45,05 | 16 | 5,45 | 731,7 | 20170505 | 20171215 | 0,07 | -6,235 | -6,169 | 0,09 |
| B10-17 | 64 | 43,69 | 16 | 6,70 | 789,8 | 20170505 | 20171215 | 0,18 | -4,851 | -4,671 | 0,07 |
| B11-17 | 64 | 40,97 | 16 | 10,46 | 953,8 | 20170504 | 20171215 | 0,89 | -3,563 | -2,675 | 0,27 |
| B12-17 | 64 | 38,27 | 16 | 14,13 | 1077,9 | 20170504 | 20171025 | 1,13 | -3,461 | -2,331 | 0,1 |
| B13-17 | 64 | 34,53 | 16 | 19,70 | 1218,4 | 20170504 | 20171024 | 1,42 | -1,637 | -0,214 | 0,12 |
| B14-17 | 64 | 31,64 | 16 | 24,70 | 1320,0 | 20170504 | 20171024 | 2,21 | -0,728 | 1,482 | 0,12 |
| B15-17 | 64 | 28,49 | 16 | 30,02 | 1404,1 | 20170504 | 20171024 | 2,32 | -0,591 | 1,729 | 0,16 |
| B16-17 | 64 | 24,13 | 16 | 40,85 | 1529,3 | 20170507 | 20171025 | 2,92 | -0,534 | 2,384 | 0,28 |
| B17-17 | 64 | 36,74 | 16 | 28,79 | 1214,5 | 20170504 | 20171024 | 1,16 | -1,277 | -0,115 | 0,12 |
| Br1-17 | 64 | 5,84 | 16 | 19,72 | 129,2 | 20170424 | 20171029 | -0,86 | -10,350 | -11,210 | 0 |
| Br2-17 | 64 | 6,37 | 16 | 22,54 | 210,0 | 20170424 | 20171029 | -0,86 | -7,524 | -8,384 | 0 |
| Br3-17 | 64 | 8,48 | 16 | 24,06 | 387,1 | 20170501 | | 0,40 | | | |
| Br4-17 | 64 | 10,72 | 16 | 20,19 | 514,8 | 20170501 | 20171029 | 0,10 | -6,175 | -6,075 | 0 |
| Br7-17 | 64 | 22,14 | 16 | 16,95 | 1248,1 | 20170503 | 20171024 | 2,64 | -0,950 | 1,690 | 0,12 |
| B07-17 | 64 | 25,80 | 16 | 17,45 | 1359,9 | 20170504 | 20171024 | 2,58 | -0,513 | 2,067 | 0,19 |
| BB0-17 | 64 | 22,71 | 16 | 5,05 | 1521,2 | 20170503 | 20171024 | 3,43 | 0,200 | 3,630 | 0,41 |
| Bru-17 | 64 | 40,98 | 15 | 55,31 | 755,8 | 20170504 | 20171024 | 0,07 | -5,767 | -5,701 | 0 |
| Bud-17 | 64 | 35,99 | 15 | 59,89 | 1137,2 | 20170505 | 20171024 | 1,37 | -1,928 | -0,558 | 0,13 |
| gb2-17 | 64 | 34,10 | 16 | 0,01 | 1204,0 | 20170505 | 20171024 | 1,56 | -1,360 | 0,200 | 0,14 |
| B18-17 | 64 | 31,58 | 16 | 0,13 | 1314,8 | 20170505 | 20171024 | 2,24 | -0,778 | 1,464 | 0,22 |
| B19-17 | 64 | 27,99 | 15 | 55,98 | 1440,5 | 20170503 | 20171024 | 3,35 | -0,284 | 3,064 | 0,39 |
| BB0-17 | 64 | 22,71 | 16 | 5,05 | 1521,2 | 20170503 | 20171024 | 3,43 | 0,200 | 3,630 | 0,41 |
| D05-17 | 64 | 42,23 | 16 | 54,67 | 1203,5 | 20170505 | 20171025 | 0,64 | -2,476 | -1,836 | 0,02 |
| D07-17 | 64 | 38,28 | 16 | 59,26 | 1375,5 | 20170505 | 20171025 | 1,42 | -1,043 | 0,372 | 0,28 |
| D09-17 | 64 | 31,80 | 17 | 0,55 | 1585,4 | 20170505 | 20171025 | 2,41 | -0,364 | 2,046 | 0,2 |
| D12-17 | 64 | 28,98 | 17 | 0,15 | 1650,0 | 20170505 | 20171025 | 2,70 | -0,264 | 2,440 | 0,29 |
| E01-17 | 64 | 41,07 | 15 | 34,10 | 696,2 | 20170504 | 20171024 | 0,20 | -5,591 | -5,391 | 0 |
| E02-17 | 64 | 39,13 | 15 | 35,98 | 953,9 | 20170504 | 20171024 | 0,88 | -3,346 | -2,468 | 0,04 |
| E03-17 | 64 | 36,66 | 15 | 36,92 | 1189,8 | 20170504 | 20171024 | 2,60 | -2,152 | 0,446 | 0,15 |
| E04-17 | 64 | 34,95 | 15 | 37,11 | 1290,3 | 20170504 | 20171024 | 3,32 | -1,032 | 2,283 | 0,16 |
| K01-17 | 64 | 35,17 | 17 | 51,81 | 1054,1 | 20170506 | 20171026 | 0,76 | -4,513 | -3,751 | 0 |
| K02-17 | 64 | 34,81 | 17 | 49,68 | 1174,9 | 20170506 | 20171026 | 1,08 | -3,726 | -2,646 | 0,04 |
| K03-17 | 64 | 34,25 | 17 | 46,38 | 1296,6 | 20170506 | 20171026 | 1,61 | -1,925 | -0,315 | 0,01 |
| K04-17 | 64 | 33,21 | 17 | 42,25 | 1488,8 | 20170506 | 20171026 | 1,70 | -0,927 | 0,769 | 0,15 |
| K05-17 | 64 | 33,45 | 17 | 35,44 | 1681,5 | 20170506 | 20171026 | 2,28 | -0,213 | 2,062 | 0,18 |
| K06-17 | 64 | 38,36 | 17 | 31,41 | 1948,8 | 20170608 | 20171025 | 2,52 | 0,630 | 3,147 | 0,51 |
| K07-17 | 64 | 29,1124 | 17 | 42,013 | 1535 | 20170506 | 20171026 | 2,74 | -0,948 | 1,790 | 0,2 |
| S01-17 | 64 | 6,99966 | 17 | 49,965 | 728,4 | 20170506 | 20171026 | 1,49 | -4,478 | -2,990 | 0 |
| S02-17 | 64 | 12,1628 | 17 | 48,959 | 1008 | 20170506 | 20171026 | 2,23 | -3,625 | -1,393 | 0,02 |
| S04-17 | 64 | 16,1825 | 17 | 48,202 | 1161 | 20170506 | 20171026 | 2,36 | -2,387 | -0,027 | 0,05 |
| S05-17 | 64 | 20,4949 | 17 | 34,002 | 1452 | 20170506 | 20171026 | 3,35 | -1,137 | 2,213 | 0,3 |
| Haab-17 | 64 | 20,96 | 17 | 24,12 | 1733,3 | 20170606 | 20171026 | 3,74 | 0,294 | 4,034 | 0,47 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| T01-17 | 64 | 19,4861 | 18 | 8,2297 | 725,8 | 20170506 | 20171026 | 0,81 | -6,849 | -6,043 | 0 |
| T02-17 | 64 | 19,59 | 18 | 3,97 | 932,9 | 20170506 | 20171026 | 1,95 | -3,876 | -1,931 | 0 |
| T03-17 | 64 | 20,21 | 17 | 58,60 | 1073,2 | 20170506 | 20171026 | 2,00 | -3,602 | -1,599 | 0,01 |
| T04-17 | 64 | 21,33 | 17 | 51,50 | 1222,9 | 20170506 | 20171026 | 2,27 | -1,978 | 0,290 | 0,13 |
| T05-17 | 64 | 22,27 | 17 | 42,98 | 1346,6 | 20170506 | 20171026 | 2,69 | -1,332 | 1,355 | 0,12 |
| T06-17 | 64 | 24,27 | 17 | 36,52 | 1469,2 | 20170506 | 20171026 | 2,80 | -0,870 | 1,930 | 0,21 |
| T07-17 | 64 | 25,29 | 17 | 31,20 | 1565,1 | 20170505 | 20171025 | 2,71 | -0,738 | 1,967 | 0,27 |
| T08-17 | 64 | 26,29 | 17 | 27,76 | 1638,6 | 20170505 | 20171025 | 3,09 | -0,548 | 2,542 | 0,33 |
| Borth-17 | 64 | 25,06 | 17 | 19,17 | 1407,2 | 20170505 | 20171027 | 3,48 | -0,870 | 2,610 | |
| Bor-17 | 64 | 24,94 | 17 | 20,16 | 1405,3 | 20170605 | 20171025 | 3,46 | -1,017 | 2,439 | 0,15 |
| G02-17 | 64 | 26,85 | 17 | 17,73 | 1565,9 | 20170605 | 20171025 | 2,85 | -0,403 | 2,443 | 0,19 |
| G03-17 | 64 | 28,45 | 17 | 16,35 | 1660,2 | 20170605 | 20171025 | 2,84 | -0,149 | 2,689 | 0,25 |
| G04-17 | 64 | 30,01 | 17 | 15,00 | 1688,8 | 20170605 | 20171025 | 2,96 | -0,030 | 2,925 | 0,18 |
| Go1-17 | 64 | 33,97 | 17 | 24,96 | 1760,6 | 20170608 | 20171025 | 2,96 | -0,030 | 2,930 | 0,3 |
| Hof01-17 | 64 | 32,33 | 15 | 35,84 | 1142,8 | 20170504 | 20171025 | 2,94 | -2,165 | 0,775 | 0,11 |
| Fl01-17 | 64 | 26,16 | 15 | 55,62 | 1348,9 | 20170503 | 20171024 | 2,81 | -0,429 | 2,380 | 0,26 |
| Skf00-17 | 64 | 15,46 | 15 | 54,06 | 951,8 | 20170503 | 20171024 | 2,02 | -3,784 | -1,764 | 0,1 |
| Skf01-17 | 64 | 18,00 | 16 | 5,00 | 1284,5 | 20170503 | 20171024 | 3,63 | -0,973 | 2,661 | 0,23 |
| Barc-17 | 64 | 38,41 | 17 | 26,78 | 1887,5 | 20170608 | | 2,97 | | | |
| BBbr-17 | 64 | 36,14 | 17 | 28,69 | 1928,6 | 20170608 | 20171025 | 2,19 | 0,282 | 2,472 | 0,35 |
| Ske02-17 | 64 | 18,16 | 17 | 9,18 | 1207,7 | 20170606 | 20171025 | 2,34 | -1,317 | 1,023 | 0,08 |
| Ske03-17 | 64 | 17,80 | 17 | 0,00 | 1254,2 | 20170507 | 20171025 | 2,37 | -1,496 | 0,874 | 0,06 |
| Ske04-17 | 64 | 19,50 | 16 | 54,50 | 1367,9 | 20170507 | 20171025 | 2,53 | -0,856 | 1,674 | 0,11 |
| Ske05-17 | 64 | 21,70 | 16 | 51,01 | 1436,4 | 20170507 | 20171025 | 2,94 | -0,720 | 2,216 | 0,15 |

## Appendix B: Balance distribution by elevation in 2016_17.

$\Delta S$ : 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, $\Delta B_w$ : winter balance at a given elevation range, $\sum\Delta B_w$: cumulative winter balance above given elevation, $\Delta B_s$ summer balance at a given elevation range, $\sum\Delta B_s$: cumulative summer balance above given elevation, $\Delta B_n$: net annual balance in a given elevation range, $\sum B_n$: cumulative net annual balance above given elevation.

# Vatnajökull

| Elevation ( m a.s.l.) | | | $\Delta S$ ($km^2$) | $\sum\Delta S$ ($km^2$) | $b_w$ (mm) | $b_s$ (mm) | $b_n$ (mm) | $\Delta B_w$ ($10^6 m^3$) | $\sum\Delta B_w$ ($10^6 m^3$) | $\Delta B_s$ ($10^6 m^3$) | $\sum\Delta B_s$ ($10^6 m^3$) | $\Delta B_n$ ($10^6 m^3$) | $\sum B_n$ ($10^6 m^3$) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2000 | 2050 | 2025 | 0,4 | 0,4 | 5847 | 2321 | 8169 | 2,6 | 2,6 | 1,0 | 1,0 | 3,7 | 3,7 |
| 1950 | 2000 | 1975 | 8,8 | 9,2 | 3042 | 830 | 3873 | 26,7 | 29,3 | 7,3 | 8,3 | 33,9 | 37,6 |
| 1900 | 1950 | 1925 | 36,6 | 45,8 | 2681 | 579 | 3261 | 98,0 | 127,3 | 21,2 | 29,5 | 119,2 | 156,8 |
| 1850 | 1900 | 1875 | 47,4 | 93,2 | 3182 | 572 | 3754 | 150,9 | 278,3 | 27,1 | 56,7 | 178,1 | 334,9 |
| 1800 | 1850 | 1825 | 47,0 | 140,2 | 3669 | 694 | 4364 | 172,3 | 450,6 | 32,6 | 89,3 | 205,0 | 539,9 |
| 1750 | 1800 | 1775 | 54,5 | 194,7 | 3175 | 298 | 3473 | 173,2 | 623,8 | 16,3 | 105,6 | 189,5 | 729,4 |
| 1700 | 1750 | 1725 | 104,3 | 299,0 | 2946 | 9 | 2955 | 307,4 | 931,2 | 1,0 | 106,6 | 308,4 | 1037,7 |
| 1650 | 1700 | 1675 | 222,4 | 521,4 | 2937 | -178 | 2758 | 653,3 | 1584,5 | -39,7 | 66,8 | 613,5 | 1651,3 |
| 1600 | 1650 | 1625 | 373,0 | 894,4 | 2881 | -322 | 2559 | 1074,7 | 2659,2 | -120,2 | -53,4 | 954,5 | 2605,8 |
| 1550 | 1600 | 1575 | 353,6 | 1248,0 | 2855 | -431 | 2424 | 1009,8 | 3668,9 | -152,4 | -205,8 | 857,4 | 3463,1 |
| 1500 | 1550 | 1525 | 420,6 | 1668,6 | 2830 | -548 | 2281 | 1190,3 | 4859,2 | -230,7 | -436,5 | 959,6 | 4422,8 |
| 1450 | 1500 | 1475 | 453,2 | 2121,8 | 2786 | -622 | 2163 | 1262,8 | 6122,0 | -282,1 | -718,6 | 980,6 | 5403,4 |
| 1400 | 1450 | 1425 | 503,8 | 2625,6 | 2732 | -639 | 2092 | 1376,5 | 7498,5 | -322,2 | -1040,8 | 1054,2 | 6457,6 |
| 1350 | 1400 | 1375 | 548,7 | 3174,3 | 2625 | -737 | 1887 | 1440,7 | 8939,1 | -404,8 | -1445,6 | 1035,9 | 7493,6 |
| 1300 | 1350 | 1325 | 540,9 | 3715,2 | 2510 | -946 | 1563 | 1357,7 | 10296,8 | -511,8 | -1957,4 | 845,9 | 8339,4 |
| 1250 | 1300 | 1275 | 512,0 | 4227,2 | 2337 | -1239 | 1097 | 1197,1 | 11493,9 | -634,9 | -2592,3 | 562,2 | 8901,6 |
| 1200 | 1250 | 1225 | 453,3 | 4680,5 | 2088 | -1632 | 456 | 946,7 | 12440,6 | -739,8 | -3332,1 | 206,9 | 9108,5 |
| 1150 | 1200 | 1175 | 403,5 | 5084,0 | 1868 | -2058 | -189 | 753,9 | 13194,5 | -830,6 | -4162,7 | -76,6 | 9031,8 |
| 1100 | 1150 | 1125 | 362,5 | 5446,5 | 1752 | -2481 | -728 | 635,3 | 13829,9 | -899,5 | -5062,2 | -264,2 | 8767,7 |
| 1050 | 1100 | 1075 | 323,6 | 5770,1 | 1648 | -2890 | -1242 | 533,5 | 14363,4 | -935,4 | -5997,6 | -401,9 | 8365,7 |
| 1000 | 1050 | 1025 | 301,1 | 6071,2 | 1524 | -3236 | -1712 | 459,0 | 14822,3 | -974,5 | -6972,1 | -515,5 | 7850,2 |
| 950 | 1000 | 975 | 270,8 | 6342,0 | 1401 | -3552 | -2150 | 379,6 | 15201,9 | -962,0 | -7934,1 | -582,4 | 7267,8 |
| 900 | 950 | 925 | 238,3 | 6580,3 | 1323 | -3862 | -2538 | 315,5 | 15517,4 | -920,4 | -8854,5 | -605,0 | 6662,9 |
| 850 | 900 | 875 | 210,2 | 6790,5 | 1230 | -4158 | -2928 | 258,7 | 15776,1 | -874,3 | -9728,9 | -615,6 | 6047,2 |
| 800 | 850 | 825 | 192,1 | 6982,6 | 1129 | -4456 | -3326 | 217,0 | 15993,1 | -856,2 | -10585,1 | -639,2 | 5408,1 |
| 750 | 800 | 775 | 174,8 | 7157,4 | 985 | -4868 | -3882 | 172,2 | 16165,4 | -850,9 | -11436,0 | -678,7 | 4729,4 |
| 700 | 750 | 725 | 141,2 | 7298,6 | 977 | -5116 | -4138 | 138,1 | 16303,4 | -722,5 | -12158,5 | -584,4 | 4145,0 |
| 650 | 700 | 675 | 121,3 | 7419,9 | 889 | -5313 | -4423 | 107,9 | 16411,4 | -644,4 | -12802,9 | -536,5 | 3608,5 |
| 600 | 650 | 625 | 74,6 | 7494,5 | 888 | -5407 | -4518 | 66,3 | 16477,7 | -403,4 | -13206,3 | -337,1 | 3271,3 |
| 550 | 600 | 575 | 65,8 | 7560,3 | 783 | -5592 | -4808 | 51,6 | 16529,2 | -368,1 | -13574,4 | -316,5 | 2954,8 |
| 500 | 550 | 525 | 48,0 | 7608,3 | 663 | -5832 | -5168 | 31,8 | 16561,1 | -279,7 | -13854,2 | -247,9 | 2706,9 |
| 450 | 500 | 475 | 40,4 | 7648,7 | 513 | -6197 | -5683 | 20,8 | 16581,8 | -250,4 | -14104,5 | -229,6 | 2477,3 |
| 400 | 450 | 425 | 44,5 | 7693,2 | 353 | -6496 | -6142 | 15,8 | 16597,6 | -289,4 | -14393,9 | -273,6 | 2203,7 |
| 350 | 400 | 375 | 40,0 | 7733,2 | 123 | -6744 | -6620 | 4,9 | 16602,5 | -269,8 | -14663,7 | -264,9 | 1938,8 |
| 300 | 350 | 325 | 38,1 | 7771,3 | -149 | -7014 | -7163 | -5,7 | 16596,8 | -267,1 | -14930,8 | -272,8 | 1666,0 |
| 250 | 300 | 275 | 36,6 | 7807,9 | -390 | -7295 | -7685 | -14,3 | 16582,5 | -267,2 | -15198,0 | -281,5 | 1384,5 |
| 200 | 250 | 225 | 37,5 | 7845,4 | -614 | -7869 | -8483 | -23,0 | 16559,5 | -294,9 | -15492,9 | -317,9 | 1066,6 |
| 150 | 200 | 175 | 32,5 | 7877,9 | -853 | -8796 | -9649 | -27,7 | 16531,8 | -285,4 | -15778,3 | -313,1 | 753,5 |
| 100 | 150 | 125 | 28,3 | 7906,2 | -1027 | -9449 | -10477 | -29,1 | 16502,7 | -267,5 | -16045,9 | -296,6 | 456,9 |
| 50 | 100 | 75 | 25,9 | 7932,1 | -1196 | -9862 | -11058 | -31,0 | 16471,8 | -255,3 | -16301,2 | -286,3 | 170,6 |
| 0 | 50 | 25 | 18,3 | 7950,4 | -1154 | -10289 | -11444 | -21,1 | 16450,6 | -188,4 | -16489,6 | -209,5 | -39,0 |

## Tungnaárjökull

| Elevation ( m a.s.l.) | | | ΔS ($km^2$) | ∑ΔS ($km^2$) | $b_w$ (mm) | $b_s$ (mm) | $b_n$ (mm) | $\Delta B_w$ ($10^6 m^3$) | $\sum\Delta B_w$ ($10^6 m^3$) | $\Delta B_s$ ($10^6 m^3$) | $\sum\Delta B_s$ ($10^6 m^3$) | $\Delta B_n$ ($10^6 m^3$) | $\sum B_n$ ($10^6 m^3$) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1650 | 1700 | 1675 | 1,8 | 1,8 | 3033 | -486 | 2546 | 5,6 | 5,6 | -0,9 | -0,9 | 4,7 | 4,7 |
| 1600 | 1650 | 1625 | 12,7 | 14,5 | 3030 | -557 | 2472 | 38,6 | 44,2 | -7,1 | -8,0 | 31,5 | 36,2 |
| 1550 | 1600 | 1575 | 15,7 | 30,2 | 2956 | -669 | 2287 | 46,4 | 90,6 | -10,5 | -18,5 | 35,9 | 72,1 |
| 1500 | 1550 | 1525 | 15,5 | 45,7 | 2889 | -793 | 2095 | 44,8 | 135,5 | -12,3 | -30,8 | 32,5 | 104,6 |
| 1450 | 1500 | 1475 | 18,4 | 64,1 | 2804 | -899 | 1905 | 51,5 | 186,9 | -16,5 | -47,3 | 35,0 | 139,6 |
| 1400 | 1450 | 1425 | 23,0 | 87,1 | 2767 | -1053 | 1713 | 63,5 | 250,5 | -24,2 | -71,5 | 39,3 | 179,0 |
| 1350 | 1400 | 1375 | 21,4 | 108,5 | 2681 | -1235 | 1446 | 57,2 | 307,7 | -26,4 | -97,9 | 30,9 | 209,8 |
| 1300 | 1350 | 1325 | 27,5 | 136,0 | 2519 | -1435 | 1084 | 69,3 | 377,0 | -39,5 | -137,4 | 29,8 | 239,7 |
| 1250 | 1300 | 1275 | 21,1 | 157,1 | 2399 | -1661 | 738 | 50,7 | 427,7 | -35,1 | -172,5 | 15,6 | 255,3 |
| 1200 | 1250 | 1225 | 23,1 | 180,2 | 2297 | -2003 | 293 | 53,0 | 480,8 | -46,3 | -218,7 | 6,8 | 262,0 |
| 1150 | 1200 | 1175 | 21,0 | 201,2 | 2219 | -2526 | -307 | 46,6 | 527,4 | -53,1 | -271,8 | -6,5 | 255,6 |
| 1100 | 1150 | 1125 | 18,4 | 219,6 | 2121 | -3065 | -944 | 39,0 | 566,4 | -56,3 | -328,1 | -17,4 | 238,2 |
| 1050 | 1100 | 1075 | 19,1 | 238,7 | 1980 | -3506 | -1526 | 37,9 | 604,3 | -67,1 | -395,2 | -29,2 | 209,0 |
| 1000 | 1050 | 1025 | 17,5 | 256,2 | 1787 | -3754 | -1966 | 31,2 | 635,5 | -65,5 | -460,8 | -34,3 | 174,7 |
| 950 | 1000 | 975 | 17,3 | 273,5 | 1576 | -3993 | -2417 | 27,3 | 662,7 | -69,1 | -529,8 | -41,8 | 132,9 |
| 900 | 950 | 925 | 16,4 | 289,9 | 1393 | -4354 | -2960 | 22,9 | 685,6 | -71,5 | -601,3 | -48,6 | 84,3 |
| 850 | 900 | 875 | 13,5 | 303,4 | 1239 | -4888 | -3648 | 16,7 | 702,3 | -66,0 | -667,3 | -49,3 | 35,0 |
| 800 | 850 | 825 | 14,1 | 317,5 | 1112 | -5483 | -4371 | 15,6 | 718,0 | -77,1 | -744,4 | -61,5 | -26,5 |
| 750 | 800 | 775 | 11,4 | 328,9 | 966 | -6162 | -5196 | 11,0 | 729,0 | -70,1 | -814,6 | -59,1 | -85,6 |
| 700 | 750 | 725 | 7,8 | 336,7 | 879 | -6634 | -5755 | 6,8 | 735,8 | -51,7 | -866,3 | -44,8 | -130,4 |
| 650 | 700 | 675 | 3,7 | 340,4 | 839 | -6852 | -6013 | 3,1 | 738,9 | -25,4 | -891,6 | -22,2 | -152,7 |

## Sylgjujökull

| Elevation ( m a.s.l.) | | | ΔS ($km^2$) | ∑ΔS ($km^2$) | $b_w$ (mm) | $b_s$ (mm) | $b_n$ (mm) | $\Delta B_w$ ($10^6 m^3$) | $\sum\Delta B_w$ ($10^6 m^3$) | $\Delta B_s$ ($10^6 m^3$) | $\sum\Delta B_s$ ($10^6 m^3$) | $\Delta B_n$ ($10^6 m^3$) | $\sum B_n$ ($10^6 m^3$) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1600 | 1650 | 1625 | 1,7 | 1,7 | 2774 | -574 | 2199 | 4,7 | 4,7 | -1,0 | -1,0 | 3,7 | 3,7 |
| 1550 | 1600 | 1575 | 5,5 | 7,2 | 2760 | -662 | 2098 | 15,1 | 19,8 | -3,6 | -4,6 | 11,5 | 15,2 |
| 1500 | 1550 | 1525 | 18,6 | 25,8 | 2753 | -819 | 1934 | 51,2 | 71,0 | -15,2 | -19,8 | 35,9 | 51,2 |
| 1450 | 1500 | 1475 | 13,2 | 39,0 | 2735 | -950 | 1784 | 36,1 | 107,1 | -12,5 | -32,4 | 23,5 | 74,7 |
| 1400 | 1450 | 1425 | 8,3 | 47,3 | 2648 | -1099 | 1548 | 21,9 | 129,0 | -9,1 | -41,5 | 12,8 | 87,5 |
| 1350 | 1400 | 1375 | 5,6 | 52,9 | 2530 | -1268 | 1261 | 14,1 | 143,1 | -7,1 | -48,5 | 7,0 | 94,6 |
| 1300 | 1350 | 1325 | 5,2 | 58,1 | 2353 | -1522 | 830 | 12,1 | 155,2 | -7,8 | -56,4 | 4,3 | 98,8 |
| 1250 | 1300 | 1275 | 10,1 | 68,2 | 2240 | -1765 | 474 | 22,5 | 177,7 | -17,7 | -74,1 | 4,8 | 103,6 |
| 1200 | 1250 | 1225 | 12,0 | 80,2 | 2185 | -2043 | 141 | 26,3 | 204,0 | -24,6 | -98,7 | 1,7 | 105,3 |
| 1150 | 1200 | 1175 | 13,6 | 93,8 | 2101 | -2371 | -269 | 28,6 | 232,6 | -32,3 | -131,0 | -3,7 | 101,6 |
| 1100 | 1150 | 1125 | 12,8 | 106,6 | 1926 | -2783 | -857 | 24,6 | 257,2 | -35,5 | -166,5 | -10,9 | 90,7 |
| 1050 | 1100 | 1075 | 12,3 | 118,9 | 1640 | -3184 | -1544 | 20,1 | 277,3 | -39,0 | -205,6 | -18,9 | 71,8 |
| 1000 | 1050 | 1025 | 10,9 | 129,8 | 1385 | -3672 | -2287 | 15,0 | 292,4 | -39,8 | -245,4 | -24,8 | 46,9 |
| 950 | 1000 | 975 | 3,8 | 133,6 | 1342 | -4063 | -2721 | 5,1 | 297,4 | -15,4 | -260,8 | -10,3 | 36,6 |
| 900 | 950 | 925 | 1,7 | 135,3 | 1342 | -4367 | -3024 | 2,3 | 299,7 | -7,4 | -268,2 | -5,1 | 31,5 |
| 850 | 900 | 875 | 0,3 | 135,6 | 1272 | -4602 | -3330 | 0,4 | 300,1 | -1,5 | -269,7 | -1,1 | 30,5 |

## Köldukvíslarjökul

| Elevation ( m a.s.l.) | | | ΔS ($km^2$) | ∑ΔS ($km^2$) | $b_w$ (mm) | $b_s$ (mm) | $b_n$ (mm) | $\Delta B_w$ ($10^6 m^3$) | $\sum\Delta B_w$ ($10^6 m^3$) | $\Delta B_s$ ($10^6 m^3$) | $\sum\Delta B_s$ ($10^6 m^3$) | $\Delta B_n$ ($10^6 m^3$) | $\sum B_n$ ($10^6 m^3$) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1950 | 2000 | 1975 | 0,8 | 0,8 | 2385 | 589 | 2974 | 2,0 | 2,0 | 0,5 | 0,5 | 2,5 | 2,5 |
| 1900 | 1950 | 1925 | 13,9 | 14,7 | 2291 | 474 | 2766 | 31,9 | 33,9 | 6,6 | 7,1 | 38,5 | 41,0 |
| 1850 | 1900 | 1875 | 6,4 | 21,1 | 2217 | 307 | 2525 | 14,2 | 48,1 | 2,0 | 9,1 | 16,1 | 57,1 |
| 1800 | 1850 | 1825 | 6,0 | 27,1 | 2224 | 199 | 2423 | 13,4 | 61,5 | 1,2 | 10,3 | 14,6 | 71,8 |
| 1750 | 1800 | 1775 | 10,3 | 37,4 | 2328 | 120 | 2448 | 24,0 | 85,5 | 1,2 | 11,5 | 25,2 | 97,0 |
| 1700 | 1750 | 1725 | 17,0 | 54,4 | 2348 | -51 | 2297 | 39,9 | 125,4 | -0,9 | 10,6 | 39,0 | 136,0 |
| 1650 | 1700 | 1675 | 15,9 | 70,3 | 2287 | -293 | 1994 | 36,4 | 161,7 | -4,7 | 6,0 | 31,7 | 167,7 |
| 1600 | 1650 | 1625 | 14,1 | 84,4 | 2235 | -506 | 1729 | 31,6 | 193,3 | -7,2 | -1,2 | 24,4 | 192,2 |
| 1550 | 1600 | 1575 | 18,7 | 103,1 | 2210 | -677 | 1533 | 41,3 | 234,6 | -12,6 | -13,8 | 28,6 | 220,8 |
| 1500 | 1550 | 1525 | 20,3 | 123,4 | 2298 | -842 | 1455 | 46,7 | 281,3 | -17,1 | -30,9 | 29,6 | 250,3 |
| 1450 | 1500 | 1475 | 19,4 | 142,8 | 2179 | -955 | 1223 | 42,3 | 323,6 | -18,5 | -49,5 | 23,8 | 274,1 |
| 1400 | 1450 | 1425 | 15,3 | 158,1 | 1986 | -1130 | 855 | 30,3 | 353,9 | -17,3 | -66,7 | 13,1 | 287,2 |
| 1350 | 1400 | 1375 | 15,1 | 173,2 | 1783 | -1442 | 340 | 27,0 | 380,8 | -21,8 | -88,5 | 5,1 | 292,3 |
| 1300 | 1350 | 1325 | 17,3 | 190,5 | 1653 | -1878 | -224 | 28,6 | 409,4 | -32,5 | -121,0 | -3,9 | 288,4 |
| 1250 | 1300 | 1275 | 18,0 | 208,5 | 1484 | -2377 | -893 | 26,7 | 436,1 | -42,8 | -163,8 | -16,1 | 272,3 |
| 1200 | 1250 | 1225 | 17,4 | 225,9 | 1258 | -2998 | -1740 | 21,8 | 458,0 | -52,1 | -215,8 | -30,2 | 242,1 |
| 1150 | 1200 | 1175 | 16,3 | 242,2 | 1061 | -3567 | -2505 | 17,3 | 475,3 | -58,2 | -274,0 | -40,9 | 201,2 |
| 1100 | 1150 | 1125 | 14,8 | 257,0 | 907 | -3998 | -3091 | 13,4 | 488,7 | -59,1 | -333,1 | -45,7 | 155,6 |
| 1050 | 1100 | 1075 | 13,4 | 270,4 | 780 | -4360 | -3580 | 10,5 | 499,1 | -58,4 | -391,5 | -48,0 | 107,6 |
| 1000 | 1050 | 1025 | 10,5 | 280,9 | 676 | -4702 | -4026 | 7,1 | 506,3 | -49,5 | -441,1 | -42,4 | 65,2 |
| 950 | 1000 | 975 | 9,7 | 290,6 | 593 | -5027 | -4434 | 5,7 | 512,0 | -48,6 | -489,6 | -42,8 | 22,4 |
| 900 | 950 | 925 | 6,3 | 296,9 | 523 | -5281 | -4757 | 3,3 | 515,3 | -33,5 | -523,1 | -30,2 | -7,8 |
| 850 | 900 | 875 | 0,9 | 297,8 | 461 | -5516 | -5054 | 0,4 | 515,7 | -4,8 | -527,9 | -4,4 | -12,2 |

## Dyngjujökull

| Elevation ( m a.s.l.) | | | ΔS ($km^2$) | ∑ΔS ($km^2$) | $b_w$ (mm) | $b_s$ (mm) | $b_n$ (mm) | $\Delta B_w$ ($10^6 m^3$) | $\sum\Delta B_w$ ($10^6 m^3$) | $\Delta B_s$ ($10^6 m^3$) | $\sum\Delta B_s$ ($10^6 m^3$) | $\Delta B_n$ ($10^6 m^3$) | $\sum B_n$ ($10^6 m^3$) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1950 | 2000 | 1975 | 3,3 | 3,3 | 2373 | 452 | 2826 | 7,8 | 7,8 | 1,5 | 1,5 | 9,3 | 9,3 |
| 1900 | 1950 | 1925 | 12,7 | 16,0 | 2548 | 455 | 3004 | 32,4 | 40,2 | 5,8 | 7,3 | 38,2 | 47,5 |
| 1850 | 1900 | 1875 | 25,1 | 41,1 | 2805 | 291 | 3096 | 70,5 | 110,7 | 7,3 | 14,6 | 77,9 | 125,3 |
| 1800 | 1850 | 1825 | 14,8 | 55,9 | 2888 | 143 | 3032 | 42,7 | 153,4 | 2,1 | 16,7 | 44,8 | 170,1 |
| 1750 | 1800 | 1775 | 15,7 | 71,6 | 2876 | 12 | 2888 | 45,1 | 198,5 | 0,2 | 16,9 | 45,3 | 215,4 |
| 1700 | 1750 | 1725 | 28,1 | 99,7 | 2904 | -89 | 2815 | 81,6 | 280,1 | -2,5 | 14,4 | 79,1 | 294,5 |
| 1650 | 1700 | 1675 | 73,5 | 173,2 | 2870 | -172 | 2698 | 210,9 | 491,0 | -12,7 | 1,7 | 198,2 | 492,7 |
| 1600 | 1650 | 1625 | 118,8 | 292,0 | 2714 | -275 | 2439 | 322,5 | 813,5 | -32,7 | -31,0 | 289,8 | 782,5 |
| 1550 | 1600 | 1575 | 95,5 | 387,5 | 2585 | -338 | 2247 | 247,0 | 1060,5 | -32,3 | -63,3 | 214,7 | 997,2 |
| 1500 | 1550 | 1525 | 87,8 | 475,3 | 2401 | -428 | 1973 | 210,8 | 1271,3 | -37,6 | -100,9 | 173,2 | 1170,4 |
| 1450 | 1500 | 1475 | 73,7 | 549,0 | 2104 | -557 | 1546 | 155,2 | 1426,5 | -41,1 | -142,1 | 114,0 | 1284,4 |
| 1400 | 1450 | 1425 | 61,2 | 610,2 | 1786 | -719 | 1067 | 109,4 | 1535,8 | -44,0 | -186,1 | 65,3 | 1349,7 |
| 1350 | 1400 | 1375 | 49,5 | 659,7 | 1490 | -955 | 535 | 73,7 | 1609,6 | -47,2 | -233,4 | 26,5 | 1376,2 |
| 1300 | 1350 | 1325 | 36,5 | 696,2 | 1243 | -1261 | -17 | 45,4 | 1655,0 | -46,1 | -279,4 | -0,7 | 1375,5 |
| 1250 | 1300 | 1275 | 39,9 | 736,1 | 1022 | -1643 | -621 | 40,8 | 1695,8 | -65,6 | -345,0 | -24,8 | 1350,8 |
| 1200 | 1250 | 1225 | 45,4 | 781,5 | 804 | -2157 | -1352 | 36,5 | 1732,3 | -98,0 | -443,0 | -61,4 | 1289,3 |
| 1150 | 1200 | 1175 | 45,7 | 827,2 | 602 | -2750 | -2147 | 27,5 | 1759,8 | -125,6 | -568,6 | -98,1 | 1191,3 |
| 1100 | 1150 | 1125 | 43,0 | 870,2 | 450 | -3223 | -2773 | 19,4 | 1779,2 | -138,8 | -707,3 | -119,4 | 1071,9 |
| 1050 | 1100 | 1075 | 31,5 | 901,7 | 345 | -3543 | -3198 | 10,9 | 1790,1 | -111,8 | -819,1 | -100,9 | 971,0 |
| 1000 | 1050 | 1025 | 33,0 | 934,7 | 288 | -3844 | -3556 | 9,5 | 1799,6 | -126,8 | -945,9 | -117,3 | 853,7 |
| 950 | 1000 | 975 | 30,6 | 965,3 | 217 | -4240 | -4022 | 6,6 | 1806,3 | -129,5 | -1075,5 | -122,9 | 730,8 |
| 900 | 950 | 925 | 25,7 | 991,0 | 137 | -4667 | -4529 | 3,5 | 1809,8 | -120,0 | -1195,5 | -116,5 | 614,3 |
| 850 | 900 | 875 | 23,6 | 1014,6 | 70 | -5048 | -4977 | 1,7 | 1811,5 | -119,3 | -1314,8 | -117,6 | 496,7 |
| 800 | 850 | 825 | 21,6 | 1036,2 | 20 | -5390 | -5369 | 0,4 | 1811,9 | -116,3 | -1431,1 | -115,8 | 380,9 |
| 750 | 800 | 775 | 17,8 | 1054,0 | -21 | -5819 | -5840 | -0,4 | 1811,6 | -103,3 | -1534,4 | -103,7 | 277,2 |
| 700 | 750 | 725 | 5,4 | 1059,4 | -50 | -6180 | -6230 | -0,3 | 1811,3 | -33,1 | -1567,5 | -33,4 | 243,8 |

## Brúarjökull

| Elevation ( m a.s.l.) | | | ΔS ($km^2$) | ∑ΔS ($km^2$) | $b_w$ (mm) | $b_s$ (mm) | $b_n$ (mm) | $\Delta B_w$ ($10^6 m^3$) | $\sum\Delta B_w$ ($10^6 m^3$) | $\Delta B_s$ ($10^6 m^3$) | $\sum\Delta B_s$ ($10^6 m^3$) | $\Delta B_n$ ($10^6 m^3$) | $\sum B_n$ ($10^6 m^3$) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1850 | 1900 | 1875 | 1,2 | 1,2 | 3083 | 288 | 3372 | 3,7 | 3,8 | 0,3 | 0,3 | 4,0 | 4,1 |
| 1800 | 1850 | 1825 | 4,4 | 5,6 | 3042 | 390 | 3432 | 13,4 | 17,2 | 1,7 | 2,1 | 15,2 | 19,3 |
| 1750 | 1800 | 1775 | 2,9 | 8,5 | 2926 | 161 | 3087 | 8,4 | 25,6 | 0,5 | 2,5 | 8,8 | 28,1 |
| 1700 | 1750 | 1725 | 3,9 | 12,4 | 2832 | -43 | 2789 | 11,1 | 36,7 | -0,2 | 2,4 | 10,9 | 39,0 |
| 1650 | 1700 | 1675 | 5,5 | 17,9 | 2790 | -176 | 2613 | 15,3 | 52,0 | -1,0 | 1,4 | 14,4 | 53,4 |
| 1600 | 1650 | 1625 | 50,9 | 68,8 | 2774 | -356 | 2418 | 141,3 | 193,3 | -18,2 | -16,8 | 123,2 | 176,6 |
| 1550 | 1600 | 1575 | 46,0 | 114,8 | 2805 | -451 | 2354 | 129,0 | 322,4 | -20,7 | -37,5 | 108,3 | 284,8 |
| 1500 | 1550 | 1525 | 72,6 | 187,4 | 2806 | -525 | 2280 | 203,6 | 526,0 | -38,1 | -75,6 | 165,5 | 450,3 |
| 1450 | 1500 | 1475 | 78,3 | 265,7 | 2652 | -553 | 2098 | 207,7 | 733,7 | -43,4 | -119,0 | 164,3 | 614,6 |
| 1400 | 1450 | 1425 | 111,2 | 376,9 | 2684 | -473 | 2211 | 298,6 | 1032,2 | -52,6 | -171,6 | 245,9 | 860,6 |
| 1350 | 1400 | 1375 | 155,9 | 532,8 | 2550 | -549 | 2001 | 397,7 | 1429,9 | -85,7 | -257,3 | 312,0 | 1172,6 |
| 1300 | 1350 | 1325 | 147,2 | 680,0 | 2290 | -697 | 1592 | 337,0 | 1766,9 | -102,6 | -359,9 | 234,4 | 1407,0 |
| 1250 | 1300 | 1275 | 141,8 | 821,8 | 2018 | -990 | 1027 | 286,2 | 2053,1 | -140,5 | -500,4 | 145,7 | 1552,6 |
| 1200 | 1250 | 1225 | 117,9 | 939,7 | 1660 | -1352 | 308 | 195,8 | 2248,9 | -159,5 | -659,9 | 36,3 | 1589,0 |
| 1150 | 1200 | 1175 | 102,7 | 1042,4 | 1387 | -1753 | -366 | 142,5 | 2391,3 | -180,1 | -840,0 | -37,6 | 1551,3 |
| 1100 | 1150 | 1125 | 83,4 | 1125,8 | 1225 | -2356 | -1131 | 102,3 | 2493,6 | -196,6 | -1036,6 | -94,4 | 1457,0 |
| 1050 | 1100 | 1075 | 69,8 | 1195,6 | 1107 | -2964 | -1857 | 77,3 | 2570,9 | -206,9 | -1243,5 | -129,6 | 1327,3 |
| 1000 | 1050 | 1025 | 62,5 | 1258,1 | 969 | -3311 | -2342 | 60,6 | 2631,4 | -206,9 | -1450,4 | -146,3 | 1181,0 |
| 950 | 1000 | 975 | 56,4 | 1314,5 | 817 | -3614 | -2797 | 46,1 | 2677,5 | -203,9 | -1654,3 | -157,8 | 1023,2 |
| 900 | 950 | 925 | 46,3 | 1360,8 | 640 | -4021 | -3380 | 29,6 | 2707,2 | -186,2 | -1840,5 | -156,6 | 866,6 |
| 850 | 900 | 875 | 42,6 | 1403,4 | 456 | -4432 | -3976 | 19,4 | 2726,6 | -188,7 | -2029,2 | -169,2 | 697,4 |
| 800 | 850 | 825 | 38,1 | 1441,5 | 298 | -4775 | -4477 | 11,4 | 2738,0 | -182,0 | -2211,2 | -170,7 | 526,7 |
| 750 | 800 | 775 | 37,0 | 1478,5 | 156 | -5476 | -5320 | 5,8 | 2743,8 | -202,8 | -2414,0 | -197,0 | 329,7 |
| 700 | 750 | 725 | 25,6 | 1504,1 | 57 | -6127 | -6070 | 1,5 | 2745,2 | -156,9 | -2571,0 | -155,5 | 174,2 |
| 650 | 700 | 675 | 17,5 | 1521,6 | -21 | -6510 | -6531 | -0,4 | 2744,9 | -113,6 | -2684,6 | -114,0 | 60,3 |
| 600 | 650 | 625 | 3,0 | 1524,6 | -82 | -6727 | -6810 | -0,2 | 2744,6 | -20,2 | -2704,8 | -20,4 | 39,8 |

## Eyjabakkajökull

| Elevation ( m a.s.l.) | | | ΔS ($km^2$) | ∑ΔS ($km^2$) | $b_w$ (mm) | $b_s$ (mm) | $b_n$ (mm) | $\Delta B_w$ ($10^6 m^3$) | $\sum\Delta B_w$ ($10^6 m^3$) | $\Delta B_s$ ($10^6 m^3$) | $\sum\Delta B_s$ ($10^6 m^3$) | $\Delta B_n$ ($10^6 m^3$) | $\sum B_n$ ($10^6 m^3$) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1550 | 1600 | 1575 | 0,0 | 0,0 | 4140 | 70 | 4211 | 0,4 | 0,4 | 0,0 | 0,0 | 0,4 | 0,4 |
| 1500 | 1550 | 1525 | 1,0 | 1,0 | 4032 | 32 | 4064 | 3,9 | 4,3 | 0,0 | 0,0 | 3,9 | 4,4 |
| 1450 | 1500 | 1475 | 1,8 | 2,8 | 3997 | -59 | 3938 | 7,4 | 11,7 | -0,1 | 0,0 | 7,3 | 11,6 |
| 1400 | 1450 | 1425 | 2,5 | 5,3 | 3926 | -317 | 3608 | 9,9 | 21,7 | -0,8 | -0,9 | 9,1 | 20,8 |
| 1350 | 1400 | 1375 | 4,1 | 9,4 | 3833 | -653 | 3179 | 15,8 | 37,4 | -2,7 | -3,6 | 13,1 | 33,9 |
| 1300 | 1350 | 1325 | 13,7 | 23,1 | 3355 | -1141 | 2214 | 46,0 | 83,5 | -15,6 | -19,2 | 30,4 | 64,2 |
| 1250 | 1300 | 1275 | 13,4 | 36,5 | 2979 | -1553 | 1425 | 39,9 | 123,4 | -20,8 | -40,0 | 19,1 | 83,3 |
| 1200 | 1250 | 1225 | 14,4 | 50,9 | 2459 | -1939 | 520 | 35,4 | 158,8 | -27,9 | -67,9 | 7,5 | 90,8 |
| 1150 | 1200 | 1175 | 12,1 | 63,0 | 1851 | -2283 | -431 | 22,4 | 181,2 | -27,7 | -95,6 | -5,2 | 85,6 |
| 1100 | 1150 | 1125 | 10,4 | 73,4 | 1430 | -2660 | -1229 | 14,8 | 196,1 | -27,6 | -123,2 | -12,8 | 72,8 |
| 1050 | 1100 | 1075 | 10,1 | 83,5 | 1150 | -3005 | -1854 | 11,6 | 207,7 | -30,3 | -153,6 | -18,7 | 54,1 |
| 1000 | 1050 | 1025 | 7,6 | 91,1 | 917 | -3416 | -2499 | 6,9 | 214,6 | -25,8 | -179,4 | -18,9 | 35,2 |
| 950 | 1000 | 975 | 4,9 | 96,0 | 732 | -3810 | -3077 | 3,6 | 218,2 | -18,8 | -198,2 | -15,2 | 20,0 |
| 900 | 950 | 925 | 4,0 | 100,0 | 629 | -4088 | -3458 | 2,5 | 220,7 | -16,2 | -214,4 | -13,7 | 6,3 |
| 850 | 900 | 875 | 3,1 | 103,1 | 548 | -4334 | -3785 | 1,7 | 222,4 | -13,3 | -227,7 | -11,6 | -5,3 |
| 800 | 850 | 825 | 3,0 | 106,1 | 417 | -4756 | -4338 | 1,3 | 223,7 | -14,5 | -242,1 | -13,2 | -18,5 |
| 750 | 800 | 775 | 2,6 | 108,7 | 221 | -5328 | -5106 | 0,6 | 224,3 | -13,9 | -256,0 | -13,3 | -31,8 |
| 700 | 750 | 725 | 3,0 | 111,7 | -1 | -5813 | -5814 | 0,0 | 224,2 | -17,7 | -273,8 | -17,7 | -49,5 |
| 650 | 700 | 675 | 0,2 | 111,9 | -140 | -6143 | -6283 | 0,0 | 224,2 | -1,0 | -274,8 | -1,0 | -50,5 |

## Hoffellsjökull

| Elevation ( m a.s.l.) | | | ΔS ($km^2$) | ∑ΔS ($km^2$) | $b_w$ (mm) | $b_s$ (mm) | $b_n$ (mm) | $\Delta B_w$ ($10^6 m^3$) | $\sum\Delta B_w$ ($10^6 m^3$) | $\Delta B_s$ ($10^6 m^3$) | $\sum\Delta B_s$ ($10^6 m^3$) | $\Delta B_n$ ($10^6 m^3$) | $\sum B_n$ ($10^6 m^3$) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1450 | 1500 | 1475 | 0,9 | 0,9 | 4030 | 80 | 4110 | 3,7 | 3,7 | 0,0 | 0,0 | 3,8 | 3,8 |
| 1400 | 1450 | 1425 | 6,7 | 7,6 | 3502 | -293 | 3209 | 25,3 | 29,0 | -2,1 | -2,0 | 23,2 | 27,0 |
| 1350 | 1400 | 1375 | 10,0 | 17,6 | 3407 | -413 | 2994 | 34,7 | 63,7 | -4,2 | -6,3 | 30,5 | 57,5 |
| 1300 | 1350 | 1325 | 15,4 | 33,0 | 3298 | -655 | 2642 | 53,7 | 117,5 | -10,7 | -16,9 | 43,1 | 100,5 |
| 1250 | 1300 | 1275 | 33,6 | 66,6 | 3206 | -1163 | 2042 | 112,0 | 229,5 | -40,7 | -57,6 | 71,4 | 171,9 |
| 1200 | 1250 | 1225 | 26,8 | 93,4 | 3188 | -1505 | 1683 | 82,4 | 311,9 | -38,9 | -96,5 | 43,5 | 215,4 |
| 1150 | 1200 | 1175 | 18,2 | 111,6 | 3051 | -1827 | 1224 | 54,8 | 366,6 | -32,8 | -129,3 | 22,0 | 237,4 |
| 1100 | 1150 | 1125 | 17,5 | 129,1 | 2807 | -2074 | 733 | 47,5 | 414,2 | -35,1 | -164,4 | 12,4 | 249,8 |
| 1050 | 1100 | 1075 | 13,6 | 142,7 | 2473 | -2321 | 152 | 31,6 | 445,8 | -29,7 | -194,1 | 2,0 | 251,7 |
| 1000 | 1050 | 1025 | 10,0 | 152,7 | 2203 | -2589 | -386 | 21,5 | 467,3 | -25,3 | -219,3 | -3,8 | 248,0 |
| 950 | 1000 | 975 | 9,0 | 161,7 | 1922 | -2953 | -1031 | 16,7 | 484,0 | -25,6 | -244,9 | -8,9 | 239,0 |
| 900 | 950 | 925 | 6,4 | 168,1 | 1651 | -3351 | -1700 | 10,6 | 494,5 | -21,5 | -266,4 | -10,9 | 228,1 |
| 850 | 900 | 875 | 4,3 | 172,4 | 1433 | -3674 | -2240 | 6,2 | 500,8 | -15,9 | -282,4 | -9,7 | 218,4 |
| 800 | 850 | 825 | 3,6 | 176,0 | 1453 | -3898 | -2445 | 5,2 | 505,9 | -13,8 | -296,2 | -8,7 | 209,7 |
| 750 | 800 | 775 | 3,9 | 179,9 | 1412 | -4200 | -2787 | 5,5 | 511,4 | -16,3 | -312,5 | -10,8 | 198,9 |
| 700 | 750 | 725 | 3,8 | 183,7 | 1241 | -4526 | -3284 | 4,5 | 515,9 | -16,3 | -328,8 | -11,9 | 187,1 |
| 650 | 700 | 675 | 3,4 | 187,1 | 1029 | -4912 | -3882 | 3,6 | 519,4 | -17,0 | -345,8 | -13,4 | 173,6 |
| 600 | 650 | 625 | 2,5 | 189,6 | 838 | -5332 | -4494 | 2,1 | 521,6 | -13,5 | -359,3 | -11,4 | 162,2 |
| 550 | 600 | 575 | 1,8 | 191,4 | 701 | -5740 | -5039 | 1,2 | 522,8 | -9,9 | -369,2 | -8,7 | 153,6 |
| 500 | 550 | 525 | 1,5 | 192,9 | 589 | -6150 | -5560 | 0,9 | 523,7 | -9,7 | -378,9 | -8,8 | 144,8 |
| 450 | 500 | 475 | 0,9 | 193,8 | 451 | -6517 | -6066 | 0,4 | 524,1 | -5,7 | -384,7 | -5,3 | 139,4 |
| 400 | 450 | 425 | 0,9 | 194,7 | 295 | -6788 | -6493 | 0,3 | 524,4 | -6,4 | -391,1 | -6,1 | 133,3 |
| 350 | 400 | 375 | 0,6 | 195,3 | 106 | -6942 | -6835 | 0,0 | 524,4 | -4,4 | -395,5 | -4,4 | 128,9 |
| 300 | 350 | 325 | 0,9 | 196,2 | -87 | -7006 | -7094 | 0,0 | 524,4 | -5,0 | -400,5 | -5,1 | 123,8 |
| 250 | 300 | 275 | 2,2 | 198,4 | -314 | -7092 | -7406 | -0,4 | 524,0 | -9,3 | -409,8 | -9,7 | 114,1 |
| 200 | 250 | 225 | 3,3 | 201,7 | -542 | -7520 | -8062 | -1,4 | 522,5 | -20,1 | -429,9 | -21,5 | 92,6 |
| 150 | 200 | 175 | 2,6 | 204,3 | -716 | -8395 | -9112 | -2,1 | 520,4 | -25,1 | -455,0 | -27,2 | 65,4 |
| 100 | 150 | 125 | 2,1 | 206,4 | -909 | -9149 | -10058 | -2,1 | 518,2 | -21,6 | -476,6 | -23,7 | 41,6 |
| 50 | 100 | 75 | 2,8 | 209,2 | -1029 | -9657 | -10686 | -1,9 | 516,3 | -17,9 | -494,5 | -19,8 | 21,9 |
| 0 | 50 | 25 | 0,6 | 209,8 | -1199 | -10193 | -11392 | -3,1 | 513,2 | -26,7 | -521,2 | -29,8 | -8,0 |

## Breiðamerkurjökull

| Elevation ( m a.s.l.) | | | ΔS ($km^2$) | ∑ΔS ($km^2$) | $b_w$ (mm) | $b_s$ (mm) | $b_n$ (mm) | $\Delta B_w$ ($10^6 m^3$) | $\sum\Delta B_w$ ($10^6 m^3$) | $\Delta B_s$ ($10^6 m^3$) | $\sum\Delta B_s$ ($10^6 m^3$) | $\Delta B_n$ ($10^6 m^3$) | $\sum B_n$ ($10^6 m^3$) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1900 | 1950 | 1925 | 0,0 | 0,0 | 5037 | 2194 | 7232 | 0,4 | 0,4 | 0,2 | 0,2 | 0,6 | 0,6 |
| 1850 | 1900 | 1875 | 0,4 | 0,4 | 5058 | 2169 | 7228 | 1,9 | 2,3 | 0,8 | 1,0 | 2,7 | 3,3 |
| 1800 | 1850 | 1825 | 0,4 | 0,8 | 5009 | 2083 | 7092 | 2,4 | 4,6 | 1,0 | 2,0 | 3,3 | 6,6 |
| 1750 | 1800 | 1775 | 0,8 | 1,6 | 4848 | 1823 | 6671 | 4,8 | 9,5 | 1,8 | 3,8 | 6,7 | 13,3 |
| 1700 | 1750 | 1725 | 2,5 | 4,1 | 4077 | 929 | 5006 | 10,7 | 20,2 | 2,4 | 6,2 | 13,1 | 26,4 |
| 1650 | 1700 | 1675 | 5,8 | 9,9 | 3580 | 268 | 3849 | 21,4 | 41,6 | 1,6 | 7,8 | 23,1 | 49,4 |
| 1600 | 1650 | 1625 | 15,8 | 25,7 | 3393 | -127 | 3266 | 58,2 | 99,8 | -2,2 | 5,6 | 56,0 | 105,4 |
| 1550 | 1600 | 1575 | 25,7 | 51,4 | 3281 | -345 | 2935 | 85,2 | 185,0 | -9,0 | -3,3 | 76,2 | 181,7 |
| 1500 | 1550 | 1525 | 32,2 | 83,6 | 3178 | -440 | 2737 | 101,6 | 286,6 | -14,1 | -17,4 | 87,5 | 269,2 |
| 1450 | 1500 | 1475 | 44,3 | 127,9 | 3108 | -389 | 2718 | 142,8 | 429,4 | -17,9 | -35,3 | 124,9 | 394,1 |
| 1400 | 1450 | 1425 | 58,3 | 186,2 | 3008 | -440 | 2568 | 178,2 | 607,6 | -26,1 | -61,4 | 152,1 | 546,2 |
| 1350 | 1400 | 1375 | 88,7 | 274,9 | 2930 | -555 | 2375 | 262,1 | 869,7 | -49,7 | -111,1 | 212,4 | 758,6 |
| 1300 | 1350 | 1325 | 96,9 | 371,8 | 2908 | -786 | 2122 | 276,8 | 1146,5 | -74,8 | -185,9 | 202,0 | 960,6 |
| 1250 | 1300 | 1275 | 59,4 | 431,2 | 2837 | -958 | 1878 | 163,4 | 1310,0 | -55,2 | -241,2 | 108,2 | 1068,8 |
| 1200 | 1250 | 1225 | 39,7 | 470,9 | 2743 | -1204 | 1539 | 109,0 | 1419,0 | -47,9 | -289,0 | 61,2 | 1130,0 |
| 1150 | 1200 | 1175 | 32,6 | 503,5 | 2610 | -1534 | 1075 | 82,8 | 1501,8 | -48,7 | -337,7 | 34,1 | 1164,1 |
| 1100 | 1150 | 1125 | 27,7 | 531,2 | 2468 | -1903 | 564 | 67,3 | 1569,1 | -51,9 | -389,6 | 15,4 | 1179,5 |
| 1050 | 1100 | 1075 | 24,1 | 555,3 | 2308 | -2226 | 82 | 55,0 | 1624,1 | -53,0 | -442,6 | 2,0 | 1181,5 |
| 1000 | 1050 | 1025 | 22,1 | 577,4 | 2135 | -2548 | -412 | 46,7 | 1670,8 | -55,7 | -498,3 | -9,0 | 1172,5 |
| 950 | 1000 | 975 | 24,5 | 601,9 | 1934 | -2935 | -1000 | 47,1 | 1717,9 | -71,5 | -569,8 | -24,4 | 1148,1 |
| 900 | 950 | 925 | 27,4 | 629,3 | 1746 | -3320 | -1573 | 47,3 | 1765,2 | -89,9 | -659,7 | -42,6 | 1105,5 |
| 850 | 900 | 875 | 26,2 | 655,5 | 1566 | -3672 | -2106 | 39,9 | 1805,1 | -93,5 | -753,2 | -53,6 | 1051,9 |
| 800 | 850 | 825 | 26,1 | 681,6 | 1378 | -3907 | -2529 | 35,5 | 1840,6 | -100,7 | -853,9 | -65,2 | 986,7 |
| 750 | 800 | 775 | 25,3 | 706,9 | 1166 | -4315 | -3149 | 29,3 | 1870,0 | -108,6 | -962,5 | -79,2 | 907,5 |
| 700 | 750 | 725 | 23,9 | 730,8 | 1007 | -4662 | -3654 | 22,4 | 1892,4 | -103,6 | -1066,1 | -81,2 | 826,2 |
| 650 | 700 | 675 | 30,8 | 761,6 | 916 | -4871 | -3955 | 28,7 | 1921,1 | -152,8 | -1218,9 | -124,1 | 702,2 |
| 600 | 650 | 625 | 26,2 | 787,8 | 800 | -5304 | -4504 | 20,5 | 1941,6 | -136,1 | -1355,0 | -115,5 | 586,6 |
| 550 | 600 | 575 | 27,0 | 814,8 | 690 | -5691 | -5000 | 18,6 | 1960,2 | -153,2 | -1508,2 | -134,6 | 452,0 |
| 500 | 550 | 525 | 15,7 | 830,5 | 608 | -5983 | -5374 | 9,5 | 1969,7 | -93,1 | -1601,3 | -83,6 | 368,4 |
| 450 | 500 | 475 | 16,3 | 846,8 | 461 | -6414 | -5952 | 6,7 | 1976,4 | -93,5 | -1694,7 | -86,7 | 281,7 |
| 400 | 450 | 425 | 15,9 | 862,7 | 338 | -6596 | -6258 | 5,6 | 1982,0 | -108,6 | -1803,3 | -103,0 | 178,7 |
| 350 | 400 | 375 | 13,0 | 875,7 | 146 | -6681 | -6534 | 1,9 | 1983,9 | -88,1 | -1891,4 | -86,1 | 92,5 |
| 300 | 350 | 325 | 13,1 | 888,8 | -86 | -6684 | -6770 | -1,0 | 1982,9 | -77,5 | -1968,9 | -78,5 | 14,0 |
| 250 | 300 | 275 | 12,1 | 900,9 | -338 | -6903 | -7241 | -3,8 | 1979,1 | -77,0 | -2045,9 | -80,8 | -66,8 |
| 200 | 250 | 225 | 11,5 | 912,4 | -587 | -7820 | -8407 | -6,7 | 1972,4 | -89,3 | -2135,3 | -96,0 | -162,8 |
| 150 | 200 | 175 | 8,6 | 921,0 | -804 | -9443 | -10247 | -7,5 | 1964,9 | -88,6 | -2223,8 | -96,1 | -259,0 |
| 100 | 150 | 125 | 7,9 | 928,9 | -944 | -10427 | -11372 | -7,5 | 1957,3 | -83,2 | -2307,0 | -90,8 | -349,7 |
| 50 | 100 | 75 | 6,1 | 935,0 | -1028 | -10799 | -11827 | -7,6 | 1949,8 | -79,5 | -2386,5 | -87,1 | -436,8 |
| 0 | 50 | 25 | 3,0 | 938,0 | -1077 | -10968 | -12046 | -6,0 | 1943,7 | -61,3 | -2447,8 | -67,3 | -504,1 |

## Síðujökull

| Elevation ( m a.s.l.) | | | ΔS ($km^2$) | ∑ΔS ($km^2$) | $b_w$ (mm) | $b_s$ (mm) | $b_n$ (mm) | $\Delta B_w$ ($10^6 m^3$) | $\sum\Delta B_w$ ($10^6 m^3$) | $\Delta B_s$ ($10^6 m^3$) | $\sum\Delta B_s$ ($10^6 m^3$) | $\Delta B_n$ ($10^6 m^3$) | $\sum B_n$ ($10^6 m^3$) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1700 | 1750 | 1725 | 0,8 | 0,8 | 3697 | 200 | 3897 | 3,1 | 3,1 | 0,2 | 0,2 | 3,3 | 3,3 |
| 1650 | 1700 | 1675 | 5,5 | 6,3 | 3578 | -201 | 3376 | 19,8 | 22,9 | -1,1 | -0,9 | 18,7 | 22,0 |
| 1600 | 1650 | 1625 | 11,1 | 17,4 | 3421 | -474 | 2947 | 37,9 | 60,8 | -5,3 | -6,2 | 32,7 | 54,6 |
| 1550 | 1600 | 1575 | 10,7 | 28,1 | 3379 | -626 | 2752 | 36,3 | 97,1 | -6,7 | -12,9 | 29,6 | 84,2 |
| 1500 | 1550 | 1525 | 20,5 | 48,6 | 3359 | -769 | 2590 | 68,7 | 165,8 | -15,7 | -28,7 | 53,0 | 137,2 |
| 1450 | 1500 | 1475 | 39,0 | 87,6 | 3280 | -960 | 2320 | 128,1 | 293,9 | -37,5 | -66,2 | 90,6 | 227,8 |
| 1400 | 1450 | 1425 | 25,9 | 113,5 | 3168 | -1103 | 2065 | 82,1 | 376,0 | -28,6 | -94,8 | 53,5 | 281,3 |
| 1350 | 1400 | 1375 | 21,2 | 134,7 | 2995 | -1236 | 1758 | 63,4 | 439,4 | -26,2 | -121,0 | 37,2 | 318,5 |
| 1300 | 1350 | 1325 | 17,3 | 152,0 | 2860 | -1441 | 1418 | 49,5 | 489,0 | -25,0 | -145,9 | 24,6 | 343,1 |
| 1250 | 1300 | 1275 | 15,9 | 167,9 | 2754 | -1627 | 1127 | 43,9 | 532,9 | -25,9 | -171,8 | 18,0 | 361,0 |
| 1200 | 1250 | 1225 | 21,1 | 189,0 | 2654 | -1908 | 746 | 56,1 | 588,9 | -40,3 | -212,2 | 15,8 | 376,8 |
| 1150 | 1200 | 1175 | 18,3 | 207,3 | 2500 | -2291 | 209 | 45,6 | 634,6 | -41,8 | -254,0 | 3,8 | 380,6 |
| 1100 | 1150 | 1125 | 17,2 | 224,5 | 2429 | -2685 | -256 | 41,9 | 676,4 | -46,3 | -300,2 | -4,4 | 376,2 |
| 1050 | 1100 | 1075 | 16,2 | 240,7 | 2353 | -3097 | -743 | 38,2 | 714,6 | -50,2 | -350,5 | -12,1 | 364,1 |
| 1000 | 1050 | 1025 | 20,5 | 261,2 | 2238 | -3477 | -1238 | 45,9 | 760,5 | -71,3 | -421,8 | -25,4 | 338,7 |
| 950 | 1000 | 975 | 20,2 | 281,4 | 2069 | -3775 | -1705 | 41,8 | 802,3 | -76,2 | -498,0 | -34,4 | 304,3 |
| 900 | 950 | 925 | 21,6 | 303,0 | 1905 | -3969 | -2063 | 41,2 | 843,5 | -85,9 | -583,9 | -44,6 | 259,6 |
| 850 | 900 | 875 | 19,8 | 322,8 | 1786 | -4108 | -2321 | 35,3 | 878,8 | -81,3 | -665,1 | -45,9 | 213,7 |
| 800 | 850 | 825 | 21,3 | 344,1 | 1679 | -4257 | -2577 | 35,7 | 914,5 | -90,5 | -755,6 | -54,8 | 158,9 |
| 750 | 800 | 775 | 23,3 | 367,4 | 1566 | -4415 | -2848 | 36,6 | 951,1 | -103,1 | -858,7 | -66,5 | 92,4 |
| 700 | 750 | 725 | 23,6 | 391,0 | 1435 | -4699 | -3263 | 33,9 | 985,0 | -110,9 | -969,5 | -77,0 | 15,4 |
| 650 | 700 | 675 | 19,9 | 410,9 | 1298 | -5133 | -3835 | 25,8 | 1010,8 | -101,9 | -1071,4 | -76,1 | -60,7 |
| 600 | 650 | 625 | 10,9 | 421,8 | 1200 | -5466 | -4265 | 13,1 | 1023,9 | -59,6 | -1131,1 | -46,5 | -107,2 |
| 550 | 600 | 575 | 1,5 | 423,3 | 1142 | -5641 | -4498 | 1,8 | 1025,6 | -8,7 | -1139,8 | -6,9 | -114,2 |

## Skaftárjökull

| Elevation ( m a.s.l.) | | | ΔS ($km^2$) | ∑ΔS ($km^2$) | $b_w$ (mm) | $b_s$ (mm) | $b_n$ (mm) | $\Delta B_w$ ($10^6 m^3$) | $\sum\Delta B_w$ ($10^6 m^3$) | $\Delta B_s$ ($10^6 m^3$) | $\sum\Delta B_s$ ($10^6 m^3$) | $\Delta B_n$ ($10^6 m^3$) | $\sum B_n$ ($10^6 m^3$) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1350 | 1400 | 1375 | 2,3 | 2,3 | 2858 | -1259 | 1599 | 6,7 | 6,7 | -2,9 | -2,9 | 3,7 | 3,7 |
| 1300 | 1350 | 1325 | 5,4 | 7,7 | 2754 | -1407 | 1347 | 14,7 | 21,4 | -7,5 | -10,5 | 7,2 | 11,0 |
| 1250 | 1300 | 1275 | 4,2 | 11,9 | 2606 | -1658 | 947 | 11,1 | 32,5 | -7,0 | -17,5 | 4,0 | 15,0 |
| 1200 | 1250 | 1225 | 6,5 | 18,4 | 2450 | -2036 | 414 | 15,9 | 48,3 | -13,2 | -30,7 | 2,7 | 17,6 |
| 1150 | 1200 | 1175 | 7,9 | 26,3 | 2338 | -2459 | -121 | 18,4 | 66,8 | -19,4 | -50,1 | -1,0 | 16,7 |
| 1100 | 1150 | 1125 | 11,2 | 37,5 | 2257 | -2864 | -607 | 25,2 | 91,9 | -31,9 | -82,0 | -6,8 | 9,9 |
| 1050 | 1100 | 1075 | 12,9 | 50,4 | 2164 | -3253 | -1088 | 28,0 | 119,9 | -42,0 | -124,1 | -14,1 | -4,2 |
| 1000 | 1050 | 1025 | 12,9 | 63,3 | 2042 | -3586 | -1543 | 26,4 | 146,3 | -46,4 | -170,5 | -20,0 | -24,1 |
| 950 | 1000 | 975 | 8,5 | 71,8 | 1884 | -3932 | -2048 | 16,1 | 162,4 | -33,5 | -204,0 | -17,5 | -41,6 |
| 900 | 950 | 925 | 5,5 | 77,3 | 1774 | -4211 | -2436 | 9,7 | 172,1 | -23,0 | -227,0 | -13,3 | -54,9 |
| 850 | 900 | 875 | 5,3 | 82,6 | 1663 | -4516 | -2853 | 8,9 | 181,0 | -24,1 | -251,1 | -15,2 | -70,2 |
| 800 | 850 | 825 | 5,0 | 87,6 | 1548 | -4840 | -3292 | 7,7 | 188,7 | -24,2 | -275,3 | -16,4 | -86,6 |
| 750 | 800 | 775 | 4,8 | 92,4 | 1437 | -5149 | -3711 | 6,9 | 195,6 | -24,8 | -300,1 | -17,9 | -104,5 |
| 700 | 750 | 725 | 4,4 | 96,8 | 1307 | -5531 | -4223 | 5,8 | 201,4 | -24,4 | -324,6 | -18,7 | -123,1 |
| 650 | 700 | 675 | 2,6 | 99,4 | 1213 | -5863 | -4650 | 3,1 | 204,6 | -15,1 | -339,7 | -12,0 | -135,1 |
| 600 | 650 | 625 | 0,7 | 100,1 | 1097 | -6128 | -5030 | 0,7 | 205,3 | -4,0 | -343,7 | -3,3 | -138,5 |

## Vestari Skaftárketill

| Elevation ( m a.s.l.) | | | ΔS ($km^2$) | ∑ΔS ($km^2$) | $b_w$ (mm) | $b_s$ (mm) | $b_n$ (mm) | $\Delta B_w$ ($10^6 m^3$) | $\sum\Delta B_w$ ($10^6 m^3$) | $\Delta B_s$ ($10^6 m^3$) | $\sum\Delta B_s$ ($10^6 m^3$) | $\Delta B_n$ ($10^6 m^3$) | $\sum B_n$ ($10^6 m^3$) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1900 | 1950 | 1925 | 0,6 | 0,6 | 2439 | 276 | 2715 | 1,4 | 1,4 | 0,2 | 0,2 | 1,5 | 1,5 |
| 1850 | 1900 | 1875 | 0,6 | 1,2 | 2524 | 225 | 2749 | 1,6 | 2,9 | 0,1 | 0,3 | 1,7 | 3,2 |
| 1800 | 1850 | 1825 | 0,8 | 2,0 | 2532 | 179 | 2711 | 2,0 | 4,9 | 0,1 | 0,4 | 2,1 | 5,3 |
| 1750 | 1800 | 1775 | 2,6 | 4,6 | 2624 | 69 | 2694 | 6,8 | 11,7 | 0,2 | 0,6 | 7,0 | 12,3 |
| 1700 | 1750 | 1725 | 5,5 | 10,1 | 2630 | -99 | 2531 | 14,5 | 26,2 | -0,6 | 0,0 | 14,0 | 26,3 |
| 1650 | 1700 | 1675 | 6,6 | 16,7 | 2617 | -358 | 2259 | 17,4 | 43,6 | -2,4 | -2,3 | 15,0 | 41,2 |
| 1600 | 1650 | 1625 | 7,6 | 24,3 | 2640 | -525 | 2114 | 20,0 | 63,6 | -4,0 | -6,3 | 16,1 | 57,3 |
| 1550 | 1600 | 1575 | 5,5 | 29,8 | 2644 | -629 | 2014 | 14,5 | 78,1 | -3,4 | -9,8 | 11,0 | 68,3 |
| 1500 | 1550 | 1525 | 1,5 | 31,3 | 2657 | -667 | 1989 | 4,0 | 82,1 | -1,0 | -10,8 | 3,0 | 71,3 |

## Eystri Skaftárketill

| Elevation ( m a.s.l.) | | | ΔS ($km^2$) | ∑ΔS ($km^2$) | $b_w$ (mm) | $b_s$ (mm) | $b_n$ (mm) | $\Delta B_w$ ($10^6 m^3$) | $\sum\Delta B_w$ ($10^6 m^3$) | $\Delta B_s$ ($10^6 m^3$) | $\sum\Delta B_s$ ($10^6 m^3$) | $\Delta B_n$ ($10^6 m^3$) | $\sum B_n$ ($10^6 m^3$) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1750 | 1800 | 1775 | 1,1 | 1,1 | 2744 | 14 | 2758 | 2,9 | 2,9 | 0,0 | 0,0 | 3,0 | 3,0 |
| 1700 | 1750 | 1725 | 10,2 | 11,3 | 2787 | -151 | 2635 | 28,4 | 31,4 | -1,5 | -1,5 | 26,9 | 29,8 |
| 1650 | 1700 | 1675 | 16,5 | 27,8 | 2867 | -324 | 2542 | 47,4 | 78,8 | -5,4 | -6,9 | 42,0 | 71,9 |
| 1600 | 1650 | 1625 | 9,7 | 37,5 | 2860 | -452 | 2407 | 27,6 | 106,4 | -4,4 | -11,3 | 23,2 | 95,1 |
| 1550 | 1600 | 1575 | 2,4 | 39,9 | 2858 | -476 | 2381 | 6,9 | 113,3 | -1,2 | -12,4 | 5,8 | 100,9 |

## Gjálp

| Elevation ( m a.s.l.) | | | ΔS ($km^2$) | ∑ΔS ($km^2$) | $b_w$ (mm) | $b_s$ (mm) | $b_n$ (mm) | $\Delta B_w$ ($10^6 m^3$) | $\sum\Delta B_w$ ($10^6 m^3$) | $\Delta B_s$ ($10^6 m^3$) | $\sum\Delta B_s$ ($10^6 m^3$) | $\Delta B_n$ ($10^6 m^3$) | $\sum B_n$ ($10^6 m^3$) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1900 | 1950 | 1925 | 0,4 | 0,4 | 2518 | 290 | 2808 | 1,0 | 1,0 | 0,1 | 0,1 | 1,1 | 1,1 |
| 1850 | 1900 | 1875 | 0,7 | 1,1 | 2644 | 206 | 2850 | 1,9 | 2,9 | 0,2 | 0,3 | 2,1 | 3,1 |
| 1800 | 1850 | 1825 | 1,1 | 2,2 | 2694 | 128 | 2822 | 3,1 | 6,0 | 0,1 | 0,4 | 3,2 | 6,4 |
| 1750 | 1800 | 1775 | 4,9 | 7,1 | 2838 | 8 | 2847 | 13,8 | 19,8 | 0,0 | 0,5 | 13,8 | 20,2 |
| 1700 | 1750 | 1725 | 18,8 | 25,9 | 2941 | -143 | 2797 | 55,2 | 74,9 | -2,7 | -2,2 | 52,5 | 72,7 |
| 1650 | 1700 | 1675 | 13,5 | 39,4 | 2961 | -190 | 2770 | 40,0 | 114,9 | -2,6 | -4,8 | 37,4 | 110,1 |

## Grímsvötn

| Elevation ( m a.s.l.) | | | ΔS ($km^2$) | ∑ΔS ($km^2$) | $b_w$ (mm) | $b_s$ (mm) | $b_n$ (mm) | $\Delta B_w$ ($10^6 m^3$) | $\sum\Delta B_w$ ($10^6 m^3$) | $\Delta B_s$ ($10^6 m^3$) | $\sum\Delta B_s$ ($10^6 m^3$) | $\Delta B_n$ ($10^6 m^3$) | $\sum B_n$ ($10^6 m^3$) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1700 | 1750 | 1725 | 0,7 | 0,7 | 2968 | -175 | 2793 | 2,2 | 2,2 | -0,1 | -0,1 | 2,1 | 2,1 |
| 1650 | 1700 | 1675 | 40,6 | 41,3 | 2956 | -234 | 2721 | 120,0 | 122,2 | -9,5 | -9,7 | 110,5 | 112,6 |
| 1600 | 1650 | 1625 | 30,8 | 72,1 | 3038 | -384 | 2654 | 93,6 | 215,8 | -11,8 | -21,5 | 81,8 | 194,3 |
| 1550 | 1600 | 1575 | 19,2 | 91,3 | 3027 | -460 | 2567 | 58,2 | 274,0 | -8,8 | -30,3 | 49,3 | 243,6 |
| 1500 | 1550 | 1525 | 16,9 | 108,2 | 3110 | -579 | 2530 | 52,6 | 326,6 | -9,8 | -40,1 | 42,8 | 286,5 |
| 1450 | 1500 | 1475 | 10,0 | 118,2 | 3245 | -723 | 2522 | 32,6 | 359,2 | -7,3 | -47,4 | 25,3 | 311,8 |
| 1400 | 1450 | 1425 | 11,7 | 129,9 | 3337 | -921 | 2415 | 39,0 | 398,2 | -10,8 | -58,2 | 28,2 | 340,0 |
| 1350 | 1400 | 1375 | 4,3 | 134,2 | 3362 | -925 | 2436 | 14,6 | 412,8 | -4,0 | -62,2 | 10,6 | 350,6 |
| 1300 | 1350 | 1325 | 0,7 | 134,9 | 3429 | -784 | 2644 | 2,6 | 415,3 | -0,6 | -62,8 | 2,0 | 352,6 |

## Appendix C: Coordinates at velocity measurement stakes in 2017.

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, $h_l$ is elevation above ellipsoid, dL antenna height, N estimated difference between ellipsoid and sea-level, H elevation in metres above sea level ($H= h_l+N+dL$). X and Y are ÍSN93 Lambert conformal conic projected coordinates. M is a quality marker.

| Site | time | Date | Calender Day # | Year | Latitude | | Longitude | | $h_l$ (m a. e.) | dL (m) | N (m) | H (m a. s. l.) | X | Y | M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B07-17 | 9,883 | 4 | 5 | 124 | 2017 | 64 | 25,79760 | 16 | 17,44950 | 1426,89 | 0,00 | -67,05 | 1359,85 | 630479,26 | 439247,87 | K |
| B07-17 | 14,673 | 24 | 10 | 297 | 2017 | 64 | 25,79667 | 16 | 17,44870 | 1423,17 | 0,00 | -67,05 | 1356,12 | 630479,97 | 439246,18 | K |
| B09-16 | 10,932 | 5 | 5 | 125 | 2017 | 64 | 45,05081 | 16 | 5,44809 | 798,37 | 0,00 | -66,66 | 731,71 | 638460,58 | 475410,50 | K |
| B09-17 | 10,932 | 5 | 5 | 125 | 2017 | 64 | 45,05081 | 16 | 5,44809 | 798,37 | 0,00 | -66,66 | 731,71 | 638460,58 | 475410,50 | K |
| B09-17 | 11,955 | 15 | 12 | 249 | 2017 | 64 | 45,05052 | 16 | 5,44798 | 791,26 | 0,00 | -66,66 | 724,60 | 638460,70 | 475409,97 | K |
| B10-17 | 10,694 | 5 | 5 | 125 | 2017 | 64 | 43,68813 | 16 | 6,70247 | 856,54 | 0,00 | -66,71 | 789,84 | 637581,90 | 472835,65 | K |
| B10-17 | 11,314 | 15 | 12 | 249 | 2017 | 64 | 43,68791 | 16 | 6,70191 | 851,35 | 0,00 | -66,71 | 784,64 | 637582,36 | 472835,27 | K |
| B11-17 | 16,957 | 4 | 5 | 124 | 2017 | 64 | 40,96943 | 16 | 10,45583 | 1020,65 | 0,00 | -66,81 | 953,84 | 634829,81 | 467654,67 | K |
| B11-17 | 11,023 | 15 | 12 | 249 | 2017 | 64 | 40,97355 | 16 | 10,45208 | 1017,01 | 0,00 | -66,81 | 950,20 | 634832,45 | 467662,46 | K |
| B12-17 | 16,125 | 4 | 5 | 124 | 2017 | 64 | 38,26554 | 16 | 14,12954 | 1144,79 | 0,00 | -66,90 | 1077,89 | 632129,80 | 462506,48 | K |
| B12-17 | 9,802 | 25 | 10 | 298 | 2017 | 64 | 38,27645 | 16 | 14,11959 | 1141,52 | 0,00 | -66,90 | 1074,62 | 632136,83 | 462527,09 | K |
| B13-17 | 14,862 | 4 | 5 | 124 | 2017 | 64 | 34,52623 | 16 | 19,70040 | 1285,45 | 0,00 | -67,01 | 1218,44 | 627988,36 | 455374,26 | K |
| B13-17 | 16,965 | 24 | 10 | 297 | 2017 | 64 | 34,53874 | 16 | 19,68559 | 1282,67 | 0,00 | -67,01 | 1215,66 | 627999,19 | 455397,98 | K |
| B13ror15 | 15,282 | 4 | 5 | 124 | 2017 | 64 | 34,55771 | 16 | 19,69296 | 1284,37 | 0,00 | -67,01 | 1217,36 | 627991,82 | 455432,94 | K |
| B13ror15 | 17,790 | 24 | 10 | 297 | 2017 | 64 | 34,57024 | 16 | 19,67813 | 1281,24 | 3,62 | -67,01 | 1217,85 | 628002,68 | 455456,71 | K |
| B14-17 | 11,689 | 4 | 5 | 124 | 2017 | 64 | 31,63534 | 16 | 24,70212 | 1387,12 | 0,00 | -67,11 | 1320,01 | 624216,94 | 449841,36 | K |
| B14-17 | 16,232 | 24 | 10 | 297 | 2017 | 64 | 31,64513 | 16 | 24,68496 | 1384,41 | 0,00 | -67,11 | 1317,30 | 624229,92 | 449860,09 | K |
| B15-17 | 11,157 | 4 | 5 | 124 | 2017 | 64 | 28,48799 | 16 | 30,01568 | 1471,29 | 0,00 | -67,21 | 1404,07 | 620200,26 | 443827,13 | K |
| B15-17 | 15,473 | 24 | 10 | 297 | 2017 | 64 | 28,49377 | 16 | 30,00178 | 1467,70 | 0,00 | -67,21 | 1400,49 | 620210,97 | 443838,29 | K |
| B16-17 | 17,557 | 7 | 5 | 127 | 2017 | 64 | 24,12603 | 16 | 40,84597 | 1596,64 | 0,00 | -67,33 | 1529,31 | 611821,97 | 435397,23 | K |
| B16-17 | 11,383 | 25 | 10 | 298 | 2017 | 64 | 24,12642 | 16 | 40,84499 | 1593,87 | 0,00 | -67,33 | 1526,54 | 611822,73 | 435397,99 | K |
| B17-17 | 12,859 | 4 | 5 | 124 | 2017 | 64 | 36,74030 | 16 | 28,79477 | 1281,65 | 0,00 | -67,12 | 1214,53 | 620567,14 | 459186,54 | K |
| B17-17 | 17,568 | 24 | 10 | 297 | 2017 | 64 | 36,75145 | 16 | 28,78669 | 1279,69 | 0,00 | -67,12 | 1212,58 | 620572,75 | 459207,51 | K |
| B18-17 | 12,871 | 5 | 5 | 125 | 2017 | 64 | 31,58423 | 16 | 0,12900 | 1381,74 | 0,00 | -66,92 | 1314,81 | 643862,84 | 450614,87 | K |
| B18-17 | 13,171 | 24 | 10 | 297 | 2017 | 64 | 31,59073 | 16 | 0,13247 | 1378,46 | 0,00 | -66,92 | 1311,53 | 643859,49 | 450626,80 | K |
| B19-17 | 20,931 | 3 | 5 | 123 | 2017 | 64 | 27,99425 | 15 | 55,98018 | 1507,38 | 0,00 | -66,89 | 1440,50 | 647502,01 | 444111,72 | K |
| B19-17 | 12,562 | 24 | 10 | 297 | 2017 | 64 | 27,99458 | 15 | 55,98042 | 1503,04 | 0,00 | -66,89 | 1436,15 | 647501,79 | 444112,32 | K |
| BB0-17 | 19,042 | 3 | 5 | 123 | 2017 | 64 | 22,71282 | 16 | 5,05255 | 1588,06 | 0,00 | -66,85 | 1521,20 | 640687,74 | 433965,14 | K |
| BB0-17 | 12,025 | 24 | 10 | 297 | 2017 | 64 | 22,71271 | 16 | 5,05393 | 1584,36 | 0,00 | -66,85 | 1517,51 | 640686,64 | 433964,90 | K |
| BBbr-17 | 17,125 | 8 | 6 | 159 | 2017 | 64 | 36,14450 | 17 | 28,68782 | 1997,93 | -1,45 | -67,87 | 1928,62 | 572848,87 | 456553,01 | K |
| BBbr-17 | 16,161 | 25 | 10 | 298 | 2017 | 64 | 36,14438 | 17 | 28,69377 | 1995,56 | 0,00 | -67,87 | 1927,69 | 572844,13 | 456552,66 | K |
| Barc-17 | 16,075 | 8 | 6 | 159 | 2017 | 64 | 38,40960 | 17 | 26,78203 | 1956,83 | -1,45 | -67,87 | 1887,51 | 574265,58 | 460797,26 | K |
| Bor-17 | 13,396 | 5 | 6 | 156 | 2017 | 64 | 24,94232 | 17 | 20,15835 | 1472,99 | 0,00 | -67,70 | 1405,29 | 580199,98 | 435918,07 | K |
| Bor-17 | 17,439 | 25 | 10 | 298 | 2017 | 64 | 24,94293 | 17 | 20,16999 | 1490,02 | 0,00 | -67,70 | 1422,32 | 580190,60 | 435918,96 | K |
| Bor-17a | 17,371 | 25 | 10 | 298 | 2017 | 64 | 24,93648 | 17 | 20,16201 | 1490,10 | 0,00 | -67,70 | 1422,40 | 580197,32 | 435907,15 | K |
| Borth-17 | 11,734 | 5 | 6 | 156 | 2017 | 64 | 25,06229 | 17 | 19,16914 | 1474,86 | 0,00 | -67,70 | 1407,16 | 580988,47 | 436161,92 | K |
| Borth-17 | 19,470 | 27 | 10 | 300 | 2017 | 64 | 25,05578 | 17 | 19,17041 | 1500,52 | -2,80 | -67,70 | 1430,02 | 580987,75 | 436149,77 | K |
| Br1-16 | 17,847 | 28 | 3 | 87 | 2017 | 64 | 5,83905 | 16 | 19,72054 | 196,64 | -1,60 | -65,88 | 129,16 | 630223,93 | 402120,00 | F |
| Br1-16 | 10,635 | 29 | 10 | 302 | 2017 | 64 | 5,83849 | 16 | 19,71997 | 183,30 | -0,60 | -65,88 | 116,82 | 630224,44 | 402118,97 | K |
| Br2k | 17,573 | 28 | 3 | 87 | 2017 | 64 | 6,37303 | 16 | 22,54033 | 277,68 | -1,60 | -66,04 | 210,04 | 627893,06 | 403015,35 | F |
| Br2k | 11,649 | 29 | 10 | 302 | 2017 | 64 | 6,36914 | 16 | 22,53828 | 267,53 | -0,60 | -66,04 | 200,90 | 627895,03 | 403008,20 | K |
| Br3-16 | 17,259 | 28 | 3 | 87 | 2017 | 64 | 8,47618 | 16 | 24,05672 | 454,97 | -1,60 | -66,27 | 387,10 | 626501,49 | 406868,91 | F |
| Br4-16 | 16,369 | 28 | 3 | 87 | 2017 | 64 | 10,72134 | 16 | 20,19379 | 582,77 | -1,60 | -66,36 | 514,81 | 629457,57 | 411167,23 | F |
| Br7-17 | 22,245 | 3 | 5 | 123 | 2017 | 64 | 22,14173 | 16 | 16,94599 | 1315,13 | 0,00 | -67,01 | 1248,12 | 631175,09 | 432478,87 | K |
| Br7-17 | 13,984 | 24 | 10 | 297 | 2017 | 64 | 22,11353 | 16 | 16,93908 | 1310,64 | 0,00 | -67,01 | 1243,63 | 631182,90 | 432426,78 | K |
| Bru-17 | 21,925 | 4 | 5 | 124 | 2017 | 64 | 40,98432 | 15 | 55,30956 | 822,58 | 0,00 | -66,74 | 755,84 | 646864,38 | 468244,75 | K |
| Bru-17 | 17,644 | 24 | 10 | 297 | 2017 | 64 | 40,98477 | 15 | 55,30967 | 815,91 | 0,00 | -66,74 | 749,17 | 646864,25 | 468245,58 | K |
| Bud-17 | 10,861 | 5 | 5 | 125 | 2017 | 64 | 35,99071 | 15 | 59,89448 | 1204,06 | 0,00 | -66,88 | 1137,18 | 643661,66 | 458801,76 | K |
| Bud-17 | 13,569 | 24 | 10 | 297 | 2017 | 64 | 36,00382 | 15 | 59,89215 | 1200,38 | 0,00 | -66,88 | 1133,50 | 643662,36 | 458826,18 | K |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D05-17 | 16,337 | 5 | 5 | 125 | 2017 | 64 | 42,23132 | 16 | 54,66872 | 1270,88 | 0,00 | -67,35 | 1203,53 | 599607,16 | 468631,17 | K |
| D05-17 | 13,009 | 25 | 10 | 298 | 2017 | 64 | 42,23988 | 16 | 54,65570 | 1268,48 | 0,00 | -67,35 | 1201,13 | 599616,97 | 468647,42 | K |
| D07-17 | 15,632 | 5 | 5 | 125 | 2017 | 64 | 38,28332 | 16 | 59,25634 | 1442,95 | 0,00 | -67,50 | 1375,45 | 596195,87 | 461181,25 | K |
| D07-17 | 12,490 | 25 | 10 | 298 | 2017 | 64 | 38,29658 | 16 | 59,24346 | 1440,17 | 0,00 | -67,50 | 1372,67 | 596205,34 | 461206,21 | K |
| D09-17 | 15,194 | 5 | 5 | 125 | 2017 | 64 | 31,79856 | 17 | 0,55322 | 1652,97 | 0,00 | -67,56 | 1585,41 | 595542,35 | 449105,84 | K |
| D09-17 | 11,964 | 25 | 10 | 298 | 2017 | 64 | 31,80254 | 17 | 0,55484 | 1650,75 | 0,00 | -67,56 | 1583,19 | 595540,82 | 449113,21 | K |
| D12-17 | 14,569 | 5 | 5 | 125 | 2017 | 64 | 28,97779 | 17 | 0,14955 | 1717,55 | 0,00 | -67,55 | 1650,00 | 596030,70 | 443877,67 | K |
| D12-17 | 11,765 | 25 | 10 | 298 | 2017 | 64 | 28,97817 | 17 | 0,14934 | 1715,20 | 0,00 | -67,55 | 1647,65 | 596030,85 | 443878,38 | K |
| E01-16 | 20,680 | 4 | 5 | 124 | 2017 | 64 | 41,06507 | 15 | 34,09521 | 762,88 | 0,00 | -66,69 | 696,19 | 663710,01 | 469263,10 | K |
| E01-17 | 20,680 | 4 | 5 | 124 | 2017 | 64 | 41,06507 | 15 | 34,09521 | 762,88 | 0,00 | -66,69 | 696,19 | 663710,01 | 469263,10 | K |
| E01-17 | 16,000 | 24 | 10 | 297 | 2017 | 64 | 41,06600 | 15 | 34,09387 | 758,89 | 0,00 | -66,69 | 692,20 | 663710,97 | 469264,88 | P |
| E02-17 | 20,158 | 4 | 5 | 124 | 2017 | 64 | 39,12731 | 15 | 35,98136 | 1020,67 | 0,00 | -66,79 | 953,88 | 662405,39 | 465586,92 | K |
| E02-17 | 14,911 | 24 | 10 | 297 | 2017 | 64 | 39,13944 | 15 | 35,97601 | 1016,31 | 0,00 | -66,78 | 949,52 | 662408,44 | 465609,65 | K |
| E03-17 | 19,515 | 4 | 5 | 124 | 2017 | 64 | 36,66252 | 15 | 36,91865 | 1256,68 | 0,00 | -66,85 | 1189,83 | 661905,07 | 460973,86 | K |
| E03-17 | 14,491 | 24 | 10 | 297 | 2017 | 64 | 36,66845 | 15 | 36,92219 | 1251,38 | 0,00 | -66,85 | 1184,53 | 661901,66 | 460984,72 | K |
| E04-17 | 18,555 | 4 | 5 | 124 | 2017 | 64 | 34,95110 | 15 | 37,10682 | 1357,13 | 0,00 | -66,83 | 1290,30 | 661925,20 | 457790,57 | K |
| E04-17 | 14,314 | 24 | 10 | 297 | 2017 | 64 | 34,95206 | 15 | 37,10623 | 1352,42 | 0,00 | -66,83 | 1285,59 | 661925,58 | 457792,39 | K |
| Fl01-17 | 20,121 | 3 | 5 | 123 | 2017 | 64 | 26,15533 | 15 | 55,62448 | 1415,72 | 0,00 | -66,82 | 1348,90 | 647952,92 | 440712,89 | K |
| Fl01-17 | 12,844 | 24 | 10 | 297 | 2017 | 64 | 26,14817 | 15 | 55,60745 | 1410,87 | 0,00 | -66,82 | 1344,04 | 647967,22 | 440700,26 | K |
| G02-17 | 16,537 | 5 | 6 | 156 | 2017 | 64 | 26,84943 | 17 | 17,72578 | 1633,65 | 0,00 | -67,73 | 1565,92 | 582058,00 | 439512,26 | K |
| G02-17 | 17,082 | 25 | 10 | 298 | 2017 | 64 | 26,84599 | 17 | 17,72883 | 1631,25 | 0,00 | -67,73 | 1563,52 | 582055,72 | 439505,79 | K |
| G03-17 | 17,516 | 5 | 6 | 156 | 2017 | 64 | 28,45061 | 17 | 16,34886 | 1727,96 | 0,00 | -67,74 | 1660,22 | 583081,18 | 442516,12 | K |
| G03-17 | 16,914 | 25 | 10 | 298 | 2017 | 64 | 28,44913 | 17 | 16,34976 | 1725,57 | 0,00 | -67,74 | 1657,84 | 583080,54 | 442513,35 | K |
| G04-17 | 18,887 | 5 | 6 | 156 | 2017 | 64 | 30,00662 | 17 | 15,00253 | 1756,56 | 0,00 | -67,73 | 1688,83 | 584080,03 | 445435,76 | K |
| G04-17 | 16,732 | 25 | 10 | 298 | 2017 | 64 | 30,00685 | 17 | 15,00218 | 1754,64 | 0,00 | -67,73 | 1686,91 | 584080,30 | 445436,18 | K |
| gb2-17 | 11,903 | 5 | 5 | 125 | 2017 | 64 | 34,10497 | 16 | 0,00980 | 1270,87 | 0,00 | -66,90 | 1203,97 | 643735,94 | 455297,64 | K |
| gb2-17 | 13,400 | 24 | 10 | 297 | 2017 | 64 | 34,11500 | 16 | 0,01153 | 1267,34 | 0,00 | -66,90 | 1200,44 | 643733,68 | 455316,19 | K |
| Go1-17 | 12,258 | 8 | 6 | 159 | 2017 | 64 | 33,97211 | 17 | 24,95704 | 1829,89 | -1,45 | -67,84 | 1760,60 | 575925,81 | 452591,10 | K |
| Go1-17 | 13,836 | 25 | 10 | 298 | 2017 | 64 | 33,97087 | 17 | 24,95601 | 1826,75 | 0,00 | -67,84 | 1758,91 | 575926,69 | 452588,81 | K |
| Haab-17 | 16,450 | 6 | 6 | 157 | 2017 | 64 | 20,96170 | 17 | 24,11860 | 1800,82 | 0,00 | -67,54 | 1733,28 | 577206,45 | 428442,36 | K |
| Haab-17 | 9,604 | 26 | 10 | 299 | 2017 | 64 | 20,96200 | 17 | 24,11848 | 1797,93 | 0,00 | -67,54 | 1730,39 | 577206,53 | 428442,91 | K |
| Hof01-17 | 17,278 | 4 | 5 | 124 | 2017 | 64 | 32,33351 | 15 | 35,84431 | 1209,46 | 0,00 | -66,67 | 1142,78 | 663193,46 | 452988,20 | K |
| Hof01-17 | 14,140 | 24 | 10 | 297 | 2017 | 64 | 32,32625 | 15 | 35,84350 | 1204,66 | 0,00 | -66,67 | 1137,99 | 663194,84 | 452974,77 | K |
| K01-16 | 17,907 | 6 | 5 | 126 | 2017 | 64 | 35,16888 | 17 | 51,81304 | 1121,71 | 0,00 | -67,58 | 1054,13 | 554434,47 | 454352,69 | K |
| K01-17 | 17,907 | 6 | 5 | 126 | 2017 | 64 | 35,16888 | 17 | 51,81304 | 1121,71 | 0,00 | -67,58 | 1054,13 | 554434,47 | 454352,69 | K |
| K01-17 | 11,384 | 26 | 10 | 299 | 2017 | 64 | 35,17022 | 17 | 51,81976 | 1117,40 | 0,00 | -67,58 | 1049,82 | 554429,06 | 454355,08 | K |
| K02-17 | 17,729 | 6 | 5 | 126 | 2017 | 64 | 34,81107 | 17 | 49,67879 | 1242,50 | 0,00 | -67,61 | 1174,89 | 556150,40 | 453719,11 | K |
| K02-17 | 11,051 | 26 | 10 | 299 | 2017 | 64 | 34,81411 | 17 | 49,69232 | 1237,86 | 0,00 | -67,61 | 1170,25 | 556139,50 | 453724,55 | K |
| K03-17 | 17,104 | 6 | 5 | 126 | 2017 | 64 | 34,24732 | 17 | 46,38108 | 1364,25 | 0,00 | -67,67 | 1296,59 | 558803,59 | 452721,81 | K |
| K03-17 | 10,550 | 26 | 10 | 299 | 2017 | 64 | 34,25034 | 17 | 46,40010 | 1360,90 | 0,00 | -67,67 | 1293,23 | 558788,28 | 452727,14 | K |
| K04-17 | 18,943 | 6 | 5 | 126 | 2017 | 64 | 33,21043 | 17 | 42,25223 | 1556,52 | 0,00 | -67,73 | 1488,79 | 562140,56 | 450861,48 | K |
| K04-17 | 10,058 | 26 | 10 | 299 | 2017 | 64 | 33,21401 | 17 | 42,27723 | 1552,56 | 0,00 | -67,73 | 1484,82 | 562120,45 | 450867,72 | K |
| K05-17 | 19,594 | 6 | 5 | 126 | 2017 | 64 | 33,44996 | 17 | 35,43641 | 1749,29 | 0,00 | -67,82 | 1681,47 | 567577,38 | 451422,98 | K |
| K05-17 | 9,759 | 26 | 10 | 299 | 2017 | 64 | 33,44722 | 17 | 35,45104 | 1746,81 | 0,00 | -67,82 | 1679,00 | 567565,81 | 451417,63 | K |
| K06-17 | 13,067 | 8 | 6 | 159 | 2017 | 64 | 38,36479 | 17 | 31,40962 | 2018,17 | -1,45 | -67,88 | 1948,84 | 570581,47 | 460625,68 | K |
| K06-17 | 15,633 | 25 | 10 | 298 | 2017 | 64 | 38,36394 | 17 | 31,40620 | 2014,82 | 0,00 | -67,88 | 1946,94 | 570584,24 | 460624,15 | K |
| K07-17 | 16,716 | 6 | 5 | 126 | 2017 | 64 | 29,11237 | 17 | 42,01332 | 1602,84 | 0,00 | -67,69 | 1535,15 | 562488,03 | 443252,84 | K |
| K07-17 | 12,043 | 26 | 10 | 299 | 2017 | 64 | 29,11236 | 17 | 42,01504 | 1599,97 | 0,00 | -67,69 | 1532,28 | 562486,65 | 443252,79 | K |
| Li50-17 | 23,104 | 4 | 6 | 155 | 2017 | 64 | 24,22127 | 17 | 23,24420 | 1504,32 | -2,00 | -67,69 | 1436,63 | 577755,92 | 434514,56 | F |
| Li51-17 | 23,846 | 4 | 6 | 155 | 2017 | 64 | 24,07574 | 17 | 22,63306 | 1477,68 | -2,00 | -67,68 | 1410,00 | 578253,89 | 434256,81 | F |
| Li61-17 | 14,454 | 5 | 6 | 156 | 2017 | 64 | 24,21037 | 17 | 23,47716 | 1535,80 | -2,00 | -67,69 | 1468,11 | 577569,26 | 434489,54 | F |
| Li62-17 | 15,812 | 5 | 6 | 156 | 2017 | 64 | 24,46484 | 17 | 23,69253 | 1525,45 | -2,00 | -67,69 | 1457,76 | 577384,22 | 434957,80 | F |
| Li63-17 | 16,941 | 5 | 6 | 156 | 2017 | 64 | 24,47127 | 17 | 23,76697 | 1518,54 | -2,00 | -67,69 | 1450,85 | 577324,11 | 434968,21 | F |
| Li65-17 | 17,925 | 5 | 6 | 156 | 2017 | 64 | 24,41691 | 17 | 23,64995 | 1529,10 | -2,00 | -67,69 | 1461,40 | 577420,68 | 434869,63 | F |
| Li69-17 | 19,091 | 5 | 6 | 156 | 2017 | 64 | 24,58145 | 17 | 23,48568 | 1511,94 | -2,00 | -67,70 | 1444,24 | 577544,87 | 435178,60 | F |
| Li80-17 | 10,904 | 7 | 6 | 158 | 2017 | 64 | 24,12797 | 17 | 20,69614 | 1460,76 | -2,00 | -67,67 | 1393,09 | 579807,69 | 434394,17 | F |
| Li81-17 | 11,679 | 7 | 6 | 158 | 2017 | 64 | 23,99970 | 17 | 21,54551 | 1449,51 | -2,00 | -67,67 | 1381,83 | 579131,42 | 434138,14 | F |
| Li82-17 | 13,546 | 7 | 6 | 158 | 2017 | 64 | 24,10461 | 17 | 22,07242 | 1481,89 | -2,00 | -67,68 | 1414,21 | 578702,99 | 434322,04 | F |
| Li83-17 | 14,533 | 7 | 6 | 158 | 2017 | 64 | 24,10767 | 17 | 22,45957 | 1487,46 | -2,00 | -67,68 | 1419,78 | 578391,76 | 434319,70 | F |
| Li84-17 | 15,358 | 7 | 6 | 158 | 2017 | 64 | 24,06451 | 17 | 22,65967 | 1476,25 | -2,00 | -67,68 | 1408,58 | 578233,04 | 434235,41 | F |
| Li85-17 | 16,346 | 7 | 6 | 158 | 2017 | 64 | 24,35582 | 17 | 23,33096 | 1521,86 | -2,00 | -67,69 | 1454,17 | 577679,84 | 434762,69 | F |
| Li86-17 | 17,475 | 7 | 6 | 158 | 2017 | 64 | 24,45811 | 17 | 23,39051 | 1530,56 | -2,00 | -67,69 | 1462,87 | 577627,16 | 434951,47 | F |
| Li90-17 | 11,596 | 8 | 6 | 159 | 2017 | 64 | 23,63895 | 17 | 22,81798 | 1672,89 | -2,00 | -67,66 | 1605,23 | 578126,09 | 433441,72 | F |
| Li91-17 | 13,221 | 8 | 6 | 159 | 2017 | 64 | 23,94041 | 17 | 23,43085 | 1547,02 | -2,00 | -67,68 | 1479,35 | 577619,24 | 433989,07 | F |
| Li93-17 | 15,350 | 8 | 6 | 159 | 2017 | 64 | 28,83938 | 17 | 31,61100 | 1657,14 | -2,00 | -67,79 | 1589,35 | 570833,44 | 442928,57 | F |
| Li94-17 | 16,391 | 8 | 6 | 159 | 2017 | 64 | 29,71642 | 17 | 30,31931 | 1671,59 | -2,00 | -67,82 | 1603,77 | 571829,87 | 444581,95 | F |
| Li95-17 | 17,187 | 8 | 6 | 159 | 2017 | 64 | 29,27005 | 17 | 30,41268 | 1646,07 | -2,00 | -67,81 | 1578,26 | 571774,69 | 443751,05 | F |
| Li96-17 | 17,654 | 8 | 6 | 159 | 2017 | 64 | 29,30046 | 17 | 30,26848 | 1644,64 | -2,00 | -67,82 | 1576,82 | 571888,86 | 443810,27 | F |
| Li97-17 | 17,966 | 8 | 6 | 159 | 2017 | 64 | 29,22443 | 17 | 30,36032 | 1645,28 | -2,00 | -67,81 | 1577,47 | 571818,63 | 443667,30 | F |
| Li98-17 | 18,483 | 8 | 6 | 159 | 2017 | 64 | 28,20217 | 17 | 30,57414 | 1680,19 | -2,00 | -67,79 | 1612,40 | 571692,12 | 441764,43 | F |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S01-17 | 12,358 | 6 | 5 | 126 | 2017 | 64 | 6,99966 | 17 | 49,96536 | 795,26 | 0,00 | -66,84 | 728,42 | 556875,67 | 402049,76 | K |
| S01-17 | 11,701 | 26 | 10 | 299 | 2017 | 64 | 6,99959 | 17 | 49,96559 | 789,35 | 0,00 | -66,84 | 722,51 | 556875,48 | 402049,62 | K |
| S02-17 | 11,391 | 6 | 5 | 126 | 2017 | 64 | 12,16279 | 17 | 48,95941 | 1074,60 | 0,00 | -67,05 | 1007,56 | 557512,84 | 411656,56 | K |
| S02-17 | 10,850 | 26 | 10 | 299 | 2017 | 64 | 12,14982 | 17 | 48,96533 | 1069,16 | 0,00 | -67,04 | 1002,12 | 557508,50 | 411632,38 | K |
| S04-17 | 10,557 | 6 | 5 | 126 | 2017 | 64 | 16,18246 | 17 | 48,20223 | 1227,75 | 0,00 | -67,21 | 1160,54 | 557984,40 | 419135,39 | K |
| S04-17 | 10,344 | 26 | 10 | 299 | 2017 | 64 | 16,16711 | 17 | 48,21855 | 1223,05 | 0,00 | -67,21 | 1155,84 | 557971,76 | 419106,64 | K |
| S05-17 | 9,197 | 6 | 5 | 126 | 2017 | 64 | 20,49492 | 17 | 34,00209 | 1519,48 | 0,00 | -67,51 | 1451,97 | 569269,09 | 427384,48 | K |
| S05-17 | 9,916 | 26 | 10 | 299 | 2017 | 64 | 20,49333 | 17 | 34,01680 | 1515,48 | 0,00 | -67,51 | 1447,97 | 569257,31 | 427381,26 | K |
| Ske02-17 | 14,116 | 6 | 6 | 157 | 2017 | 64 | 18,15880 | 17 | 9,18472 | 1274,93 | 0,00 | -67,19 | 1207,74 | 589380,57 | 423564,40 | K |
| Ske02-17 | 15,866 | 25 | 10 | 298 | 2017 | 64 | 18,14758 | 17 | 9,20881 | 1270,36 | 0,00 | -67,19 | 1203,17 | 589361,76 | 423543,00 | K |
| Ske03-17 | 19,421 | 7 | 5 | 127 | 2017 | 64 | 17,79964 | 17 | 0,00193 | 1321,33 | 0,00 | -67,17 | 1254,16 | 596805,90 | 423122,77 | K |
| Ske03-17 | 14,446 | 25 | 10 | 298 | 2017 | 64 | 17,75646 | 17 | 0,06450 | 1316,27 | 0,00 | -67,17 | 1249,10 | 596757,98 | 423040,97 | K |
| Ske04-17 | 18,816 | 7 | 5 | 127 | 2017 | 64 | 19,49558 | 16 | 54,50168 | 1435,15 | 0,00 | -67,27 | 1367,88 | 601137,29 | 426415,72 | K |
| Ske04-17 | 13,964 | 25 | 10 | 298 | 2017 | 64 | 19,47657 | 16 | 54,54995 | 1431,80 | 0,00 | -67,27 | 1364,53 | 601099,57 | 426379,12 | K |
| Ske05-17 | 18,182 | 7 | 5 | 127 | 2017 | 64 | 21,69652 | 16 | 51,00916 | 1503,70 | 0,00 | -67,34 | 1436,36 | 603811,75 | 430597,12 | K |
| Ske05-17 | 13,347 | 25 | 10 | 298 | 2017 | 64 | 21,68542 | 16 | 51,02327 | 1500,26 | 0,00 | -67,34 | 1432,91 | 603801,09 | 430576,13 | K |
| Skf00-17 | 16,371 | 3 | 5 | 123 | 2017 | 64 | 15,46114 | 15 | 54,06429 | 1017,83 | 0,00 | -66,03 | 951,79 | 650177,54 | 420927,99 | K |
| Skf00-17 | 10,929 | 24 | 10 | 297 | 2017 | 64 | 15,46266 | 15 | 54,06099 | 1012,07 | 0,00 | -66,03 | 946,04 | 650180,07 | 420930,95 | K |
| Skf01-17 | 18,989 | 3 | 5 | 123 | 2017 | 64 | 18,00314 | 16 | 5,00055 | 1351,11 | 0,00 | -66,64 | 1284,47 | 641133,12 | 425225,76 | K |
| Skf01-17 | 11,255 | 24 | 10 | 297 | 2017 | 64 | 18,00022 | 16 | 4,98321 | 1346,69 | 0,00 | -66,64 | 1280,05 | 641147,35 | 425220,98 | K |
| Skja1-17 | 12,142 | 8 | 6 | 159 | 2017 | 64 | 33,97383 | 17 | 24,94075 | 1829,94 | -1,45 | -67,84 | 1760,65 | 575938,74 | 452594,62 | K |
| Skja2-17 | 11,776 | 8 | 6 | 159 | 2017 | 64 | 35,24045 | 17 | 10,46558 | 1603,97 | -1,45 | -67,64 | 1534,88 | 587431,37 | 455258,88 | K |
| T01-17 | 14,748 | 6 | 5 | 126 | 2017 | 64 | 19,48610 | 18 | 8,22965 | 793,01 | 0,00 | -67,25 | 725,76 | 541727,53 | 425009,56 | K |
| T01-17 | 15,908 | 26 | 10 | 299 | 2017 | 64 | 19,48629 | 18 | 8,22927 | 785,43 | 0,00 | -67,25 | 718,18 | 541727,84 | 425009,92 | K |
| T01ve-17 | 16,851 | 6 | 5 | 126 | 2017 | 64 | 19,54222 | 18 | 7,06548 | 853,24 | 0,00 | -67,26 | 785,98 | 542664,36 | 425126,78 | K |
| T01ve-17 | 15,504 | 26 | 10 | 299 | 2017 | 64 | 19,54095 | 18 | 7,06455 | 844,53 | 0,00 | -67,26 | 777,27 | 542665,14 | 425124,42 | K |
| T02-17 | 13,994 | 6 | 5 | 126 | 2017 | 64 | 19,59279 | 18 | 3,97378 | 1000,17 | 0,00 | -67,27 | 932,90 | 545154,65 | 425256,51 | K |
| T02-17 | 14,193 | 26 | 10 | 299 | 2017 | 64 | 19,59296 | 18 | 3,98038 | 994,11 | 0,00 | -67,27 | 926,84 | 545149,33 | 425256,76 | K |
| T03-17 | 13,076 | 6 | 5 | 126 | 2017 | 64 | 20,20525 | 17 | 58,59886 | 1140,54 | 0,00 | -67,30 | 1073,24 | 549467,82 | 426461,38 | K |
| T03-17 | 13,886 | 26 | 10 | 299 | 2017 | 64 | 20,20372 | 17 | 58,61106 | 1135,90 | 0,00 | -67,30 | 1068,60 | 549458,03 | 426458,38 | K |
| T04-17 | 11,721 | 6 | 5 | 126 | 2017 | 64 | 21,32627 | 17 | 51,50247 | 1290,24 | 0,00 | -67,36 | 1222,88 | 555146,82 | 428641,80 | K |
| T04-17 | 13,098 | 26 | 10 | 299 | 2017 | 64 | 21,32243 | 17 | 51,51563 | 1285,95 | 0,00 | -67,36 | 1218,59 | 555136,36 | 428634,49 | K |
| T05-17 | 10,700 | 6 | 5 | 126 | 2017 | 64 | 22,27201 | 17 | 42,98482 | 1414,10 | 0,00 | -67,47 | 1346,63 | 561967,74 | 430530,17 | K |
| T05-17 | 12,621 | 26 | 10 | 299 | 2017 | 64 | 22,26846 | 17 | 42,99792 | 1410,59 | 0,00 | -67,47 | 1343,12 | 561957,34 | 430523,37 | K |
| T05rorg | 12,769 | 26 | 10 | 299 | 2017 | 64 | 22,26613 | 17 | 43,09119 | 1409,32 | 1,67 | -67,47 | 1343,52 | 561882,39 | 430517,51 | K |
| T06-17 | 9,700 | 6 | 5 | 126 | 2017 | 64 | 24,26898 | 17 | 36,51640 | 1536,76 | 0,00 | -67,61 | 1469,15 | 567089,88 | 434349,76 | K |
| T06-17 | 11,918 | 26 | 10 | 299 | 2017 | 64 | 24,26479 | 17 | 36,52882 | 1533,35 | 0,00 | -67,61 | 1465,74 | 567080,07 | 434341,75 | K |
| T07-17 | 18,901 | 5 | 5 | 125 | 2017 | 64 | 25,28838 | 17 | 31,20189 | 1632,76 | 0,00 | -67,70 | 1565,06 | 571315,68 | 436340,27 | K |
| T07-17 | 17,864 | 25 | 10 | 298 | 2017 | 64 | 25,28620 | 17 | 31,21090 | 1629,28 | 0,00 | -67,70 | 1561,58 | 571308,55 | 436336,05 | K |
| T08-17 | 18,282 | 5 | 5 | 125 | 2017 | 64 | 26,29185 | 17 | 27,76164 | 1706,38 | 0,00 | -67,75 | 1638,63 | 574032,75 | 438270,11 | K |
| T08-17 | 17,716 | 25 | 10 | 298 | 2017 | 64 | 26,29138 | 17 | 27,76347 | 1703,27 | 0,00 | -67,75 | 1635,52 | 574031,31 | 438269,19 | K |

## Appendix D: Measured surface velocity on Vatnajökull in 2017.

| Site | Calendar day date | # | Calendar day date | # | # of days | translation (m) | ( °) | velocity (cm/day) | (m/annum) |
|---|---|---|---|---|---|---|---|---|---|
| B07-17 | 170504 | 124 | 171024 | 297 | 173 | 1,8 | 160 | 1,1 | 3,9 |
| B09-16 | 161011 | 285 | 170505 | 125 | 205 | 10,1 | 69 | 4,9 | 17,9 |
| B09-17 | 170505 | 125 | 171215 | 249 | 124 | 0,5 | 171 | 0,4 | 1,6 |
| B10-17 | 170505 | 125 | 171215 | 249 | 124 | 0,6 | 133 | 0,5 | 1,8 |
| B11-17 | 170504 | 124 | 171215 | 249 | 125 | 8,2 | 21 | 6,6 | 23,9 |
| B12-17 | 170504 | 124 | 171025 | 298 | 174 | 21,7 | 21 | 12,5 | 45,5 |
| B13-17 | 170504 | 124 | 171024 | 297 | 173 | 26,0 | 27 | 15,0 | 54,9 |
| B13ror15 | 160508 | 129 | 170504 | 124 | 360 | 28,4 | 28 | 7,9 | 28,8 |
| B13ror15 | 170504 | 124 | 171024 | 297 | 173 | 26,1 | 27 | 15,1 | 55,0 |
| B14-17 | 170504 | 124 | 171024 | 297 | 173 | 22,7 | 37 | 13,1 | 48,0 |
| B15-17 | 170504 | 124 | 171024 | 297 | 173 | 15,5 | 46 | 8,9 | 32,6 |
| B16-17 | 170507 | 127 | 171025 | 298 | 171 | 1,1 | 47 | 0,6 | 2,3 |
| B17-17 | 170504 | 124 | 171024 | 297 | 173 | 21,6 | 17 | 12,5 | 45,6 |
| B18-17 | 170505 | 125 | 171024 | 297 | 172 | 12,4 | 347 | 7,2 | 26,2 |
| B19-17 | 170503 | 123 | 171024 | 297 | 174 | 0,6 | 343 | 0,4 | 1,3 |
| BB0-17 | 170503 | 123 | 171024 | 297 | 174 | 1,1 | 260 | 0,7 | 2,4 |
| BBbr-17 | 170608 | 159 | 171025 | 298 | 139 | 4,8 | 267 | 3,4 | 12,5 |
| Bor-17 | 170605 | 156 | 171025 | 298 | 142 | 9,4 | 277 | 6,6 | 24,2 |
| Borth-17 | 170605 | 156 | 171027 | 300 | 144 | 12,1 | 185 | 8,4 | 30,7 |
| Br1-16 | 160118 | 18 | 170328 | 87 | 434 | 1,7 | 180 | 0,4 | 1,4 |
| Br1-16 | 170328 | 87 | 171029 | 302 | 215 | 1,1 | 156 | 0,5 | 1,9 |
| Br2k | 160119 | 19 | 170328 | 87 | 433 | 12,4 | 180 | 2,9 | 10,5 |
| Br2k | 170328 | 87 | 171029 | 302 | 215 | 7,4 | 167 | 3,4 | 12,6 |
| Br3-16 | 160119 | 19 | 170328 | 87 | 433 | 28,4 | 147 | 6,6 | 23,9 |
| Br4-16 | 160508 | 129 | 170328 | 87 | 323 | 300,2 | 181 | 92,9 | 339,2 |
| Br7-17 | 170503 | 123 | 171024 | 297 | 174 | 52,5 | 174 | 30,2 | 110,2 |
| Bru-17 | 170504 | 124 | 171024 | 297 | 173 | 0,8 | 354 | 0,5 | 1,8 |
| Bud-17 | 170505 | 125 | 171024 | 297 | 172 | 24,4 | 4 | 14,2 | 51,7 |
| D05-17 | 170505 | 125 | 171025 | 298 | 173 | 18,9 | 33 | 10,9 | 39,9 |
| D07-17 | 170505 | 125 | 171025 | 298 | 173 | 26,6 | 23 | 15,4 | 56,2 |
| D09-17 | 170505 | 125 | 171025 | 298 | 173 | 7,5 | 350 | 4,3 | 15,8 |
| D12-17 | 170505 | 125 | 171025 | 298 | 173 | 0,7 | 13 | 0,4 | 1,5 |
| E01-16 | 161010 | 284 | 170504 | 124 | 205 | 6,7 | 16 | 3,3 | 12,0 |
| E01-17 | 170504 | 124 | 171024 | 297 | 173 | 2,0 | 32 | 1,2 | 4,3 |
| E02-17 | 170504 | 124 | 171024 | 297 | 173 | 22,9 | 11 | 13,2 | 48,2 |
| E03-17 | 170504 | 124 | 171024 | 297 | 173 | 11,3 | 346 | 6,6 | 23,9 |
| E04-17 | 170504 | 124 | 171024 | 297 | 173 | 1,8 | 15 | 1,1 | 3,9 |
| Fl01-17 | 170503 | 123 | 171024 | 297 | 174 | 19,0 | 134 | 10,9 | 39,9 |
| G02-17 | 170605 | 156 | 171025 | 298 | 142 | 6,8 | 201 | 4,8 | 17,5 |
| G03-17 | 170605 | 156 | 171025 | 298 | 142 | 2,8 | 195 | 2,0 | 7,3 |
| G04-17 | 170605 | 156 | 171025 | 298 | 142 | 0,5 | 33 | 0,4 | 1,3 |
| gb2-17 | 170505 | 125 | 171024 | 297 | 172 | 18,6 | 356 | 10,8 | 39,5 |
| Go1-17 | 170608 | 159 | 171025 | 298 | 139 | 2,4 | 160 | 1,8 | 6,4 |
| Haab-17 | 170606 | 157 | 171026 | 299 | 142 | 0,6 | 10 | 0,4 | 1,5 |
| Hof01-17 | 170504 | 124 | 171024 | 297 | 173 | 13,5 | 177 | 7,8 | 28,4 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| K01-16 | 161015 | 289 | 170506 | 126 | 202 | 10,8 | 326 | 5,4 | 19,6 |
| K01-17 | 170506 | 126 | 171026 | 299 | 173 | 5,9 | 295 | 3,4 | 12,5 |
| K02-17 | 170506 | 126 | 171026 | 299 | 173 | 12,2 | 298 | 7,0 | 25,7 |
| K03-17 | 170506 | 126 | 171026 | 299 | 173 | 16,2 | 290 | 9,4 | 34,1 |
| K04-17 | 170506 | 126 | 171026 | 299 | 173 | 21,1 | 288 | 12,2 | 44,4 |
| K05-17 | 170506 | 126 | 171026 | 299 | 173 | 12,7 | 247 | 7,4 | 26,9 |
| K06-17 | 170608 | 159 | 171025 | 298 | 139 | 3,2 | 120 | 2,3 | 8,3 |
| K07-17 | 170506 | 126 | 171026 | 299 | 173 | 1,4 | 269 | 0,8 | 2,9 |
| S01-17 | 170506 | 126 | 171026 | 299 | 173 | 0,2 | 235 | 0,1 | 0,5 |
| S02-17 | 170506 | 126 | 171026 | 299 | 173 | 24,5 | 191 | 14,2 | 51,7 |
| S04-17 | 170506 | 126 | 171026 | 299 | 173 | 31,3 | 205 | 18,1 | 66,1 |
| S05-17 | 170506 | 126 | 171026 | 299 | 173 | 12,2 | 256 | 7,1 | 25,8 |
| Ske02-17 | 170606 | 157 | 171025 | 298 | 141 | 28,5 | 223 | 20,2 | 73,6 |
| Ske03-17 | 170507 | 127 | 171025 | 298 | 171 | 94,6 | 212 | 55,3 | 201,8 |
| Ske04-17 | 170507 | 127 | 171025 | 298 | 171 | 52,5 | 228 | 30,7 | 112,0 |
| Ske05-17 | 170507 | 127 | 171025 | 298 | 171 | 23,5 | 209 | 13,7 | 50,1 |
| Skf00-17 | 170503 | 123 | 171024 | 297 | 174 | 3,9 | 43 | 2,2 | 8,1 |
| Skf01-17 | 170503 | 123 | 171024 | 297 | 174 | 15,0 | 111 | 8,6 | 31,5 |
| T01-17 | 170506 | 126 | 171026 | 299 | 173 | 0,5 | 41 | 0,3 | 1,0 |
| T01ve-17 | 170506 | 126 | 171026 | 299 | 173 | 2,5 | 162 | 1,4 | 5,2 |
| T02-17 | 170506 | 126 | 171026 | 299 | 173 | 5,3 | 273 | 3,1 | 11,2 |
| T03-17 | 170506 | 126 | 171026 | 299 | 173 | 10,2 | 254 | 5,9 | 21,6 |
| T04-17 | 170506 | 126 | 171026 | 299 | 173 | 12,8 | 236 | 7,4 | 26,9 |
| T05-17 | 170506 | 126 | 171026 | 299 | 173 | 12,4 | 238 | 7,2 | 26,2 |
| T05rorg | 161015 | 289 | 171026 | 299 | 375 | 23,3 | 238 | 6,2 | 22,7 |
| T06-17 | 170506 | 126 | 171026 | 299 | 173 | 12,6 | 232 | 7,3 | 26,7 |
| T07-17 | 170505 | 125 | 171025 | 298 | 173 | 8,3 | 241 | 4,8 | 17,5 |
| T08-17 | 170505 | 125 | 171025 | 298 | 173 | 1,7 | 239 | 1,0 | 3,6 |

**Appendix E: Melt water runoff to selected rivers in summer 2017, derived from summer balance.**

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

**Tungnaá water drainage basin**

| Elevation (m a. s. l.) | | ΔS $km^2$ | ∑ΔS $km^2$ | $\Delta Q_s$ ($10^6 m^3$) | $\sum\Delta Q_s$ ($10^6 m^3$) |
|---|---|---|---|---|---|
| 1350 | 1400 | 0,4 | 0,4 | 0,5 | 0,5 |
| 1300 | 1350 | 6,1 | 6,4 | 9,0 | 9,5 |
| 1250 | 1300 | 10,2 | 16,7 | 17,7 | 27,2 |
| 1200 | 1250 | 10,9 | 27,6 | 22,4 | 49,7 |
| 1150 | 1200 | 9,9 | 37,5 | 25,6 | 75,3 |
| 1100 | 1150 | 11,9 | 49,4 | 36,4 | 111,7 |
| 1050 | 1100 | 11,9 | 61,4 | 42,0 | 153,7 |
| 1000 | 1050 | 9,6 | 71,0 | 36,3 | 189,9 |
| 950 | 1000 | 9,6 | 80,6 | 38,4 | 228,4 |
| 900 | 950 | 9,2 | 89,8 | 40,1 | 268,5 |
| 850 | 900 | 7,8 | 97,5 | 38,4 | 306,9 |
| 800 | 850 | 7,7 | 105,2 | 42,7 | 349,5 |
| 750 | 800 | 7,0 | 112,1 | 43,4 | 392,9 |
| 700 | 750 | 4,7 | 116,9 | 31,8 | 424,6 |
| 650 | 700 | 2,1 | 119,0 | 14,7 | 439,3 |

**Sylgja water drainage basin**

| Elevation (m a. s. l.) | | ΔS $km^2$ | ∑ΔS $km^2$ | $\Delta Q_s$ ($10^6 m^3$) | $\sum\Delta Q_s$ ($10^6 m^3$) |
|---|---|---|---|---|---|
| 1300 | 1350 | 1,1 | 1,1 | 1,8 | 1,8 |
| 1250 | 1300 | 3,6 | 4,7 | 6,3 | 8,1 |
| 1200 | 1250 | 5,9 | 10,5 | 12,0 | 20,1 |
| 1150 | 1200 | 8,3 | 18,8 | 19,6 | 39,7 |
| 1100 | 1150 | 6,1 | 24,9 | 16,9 | 56,7 |
| 1050 | 1100 | 6,9 | 31,8 | 22,3 | 79,0 |
| 1000 | 1050 | 5,1 | 36,9 | 19,1 | 98,1 |
| 950 | 1000 | 1,8 | 38,7 | 7,3 | 105,4 |
| 900 | 950 | 0,7 | 39,3 | 3,0 | 108,3 |
| 850 | 900 | 0,0 | 39,4 | 0,3 | 108,6 |

**Western Skaftá cauldron water drainage basin**

| Elevation (m a. s. l.) | | ΔS $km^2$ | ∑ΔS $km^2$ | $\Delta Q_s$ ($10^6 m^3$) | $\sum\Delta Q_s$ ($10^6 m^3$) |
|---|---|---|---|---|---|
| 1700 | 1750 | 2,5 | 2,5 | 0,5 | 0,5 |
| 1650 | 1700 | 7,2 | 9,7 | 2,5 | 2,9 |
| 1600 | 1650 | 8,5 | 18,2 | 4,5 | 7,5 |
| 1550 | 1600 | 5,4 | 23,6 | 3,4 | 10,8 |
| 1500 | 1550 | 1,5 | 25,1 | 1,0 | 11,8 |

**Eastern Skaftár cauldoron water drainage basin**

| Elevation (m a. s. l.) | | ΔS $km^2$ | ∑ΔS $km^2$ | $\Delta Q_s$ ($10^6 m^3$) | $\sum\Delta Q_s$ ($10^6 m^3$) |
|---|---|---|---|---|---|
| 1750 | 1800 | 0,5 | 0,5 | 0,0 | 0,0 |
| 1700 | 1750 | 9,9 | 10,4 | 1,4 | 1,4 |
| 1650 | 1700 | 14,9 | 25,2 | 4,9 | 6,2 |
| 1600 | 1650 | 9,7 | 34,9 | 4,4 | 10,6 |
| 1550 | 1600 | 2,4 | 37,4 | 1,2 | 11,8 |

**Grímsvötn water drainage basin**

| Elevation (m a. s. l.) | | ΔS $km^2$ | ∑ΔS $km^2$ | $\Delta Q_s$ ($10^6 m^3$) | $\sum\Delta Q_s$ ($10^6 m^3$) |
|---|---|---|---|---|---|
| 1750 | 1800 | 2,3 | 2,3 | 0,0 | 0,0 |
| 1700 | 1750 | 18,6 | 20,9 | 2,7 | 2,8 |
| 1650 | 1700 | 53,3 | 74,2 | 11,8 | 14,6 |
| 1600 | 1650 | 30,9 | 105,0 | 11,9 | 26,5 |
| 1550 | 1600 | 19,3 | 124,3 | 8,8 | 35,3 |
| 1500 | 1550 | 16,8 | 141,0 | 9,7 | 45,1 |
| 1450 | 1500 | 10,0 | 151,1 | 7,3 | 52,3 |
| 1400 | 1450 | 11,7 | 162,7 | 10,8 | 63,1 |
| 1350 | 1400 | 4,3 | 167,1 | 4,0 | 67,1 |
| 1300 | 1350 | 0,7 | 167,8 | 0,6 | 67,7 |

**Kaldakvísl water drainage basin**

| Elevation (m a. s. l.) | | ΔS $km^2$ | ∑ΔS $km^2$ | $\Delta Q_s$ ($10^6 m^3$) | $\sum\Delta Q_s$ ($10^6 m^3$) |
|---|---|---|---|---|---|
| 1750 | 1800 | 0,4 | 0,4 | 0,0 | 0,0 |
| 1700 | 1750 | 14,9 | 15,3 | 1,3 | 1,3 |
| 1650 | 1700 | 17,1 | 32,4 | 5,0 | 6,3 |
| 1600 | 1650 | 14,5 | 46,9 | 7,3 | 13,6 |
| 1550 | 1600 | 19,1 | 66,0 | 12,8 | 26,4 |
| 1500 | 1550 | 25,3 | 91,2 | 21,4 | 47,8 |
| 1450 | 1500 | 28,8 | 120,0 | 27,6 | 75,4 |
| 1400 | 1450 | 24,0 | 144,0 | 27,3 | 102,7 |
| 1350 | 1400 | 22,1 | 166,1 | 31,4 | 134,1 |
| 1300 | 1350 | 21,2 | 187,3 | 39,2 | 173,3 |
| 1250 | 1300 | 22,4 | 209,8 | 51,7 | 225,0 |
| 1200 | 1250 | 21,7 | 231,4 | 61,5 | 286,5 |
| 1150 | 1200 | 20,0 | 251,4 | 67,0 | 353,5 |
| 1100 | 1150 | 18,0 | 269,4 | 67,3 | 420,8 |
| 1050 | 1100 | 16,9 | 286,2 | 68,7 | 489,5 |
| 1000 | 1050 | 14,6 | 300,8 | 64,0 | 553,5 |
| 950 | 1000 | 10,4 | 311,3 | 51,7 | 605,2 |
| 900 | 950 | 6,3 | 317,6 | 33,5 | 638,7 |
| 850 | 900 | 0,9 | 318,5 | 4,8 | 643,5 |

**Jökulsá á Fjöllum water drainage basin**

| Elevation (m a. s. l.) | | ΔS $km^2$ | ∑ΔS $km^2$ | $\Delta Q_s$ ($10^6 m^3$) | $\sum\Delta Q_s$ ($10^6 m^3$) |
|---|---|---|---|---|---|
| 1900 | 1950 | 0,0 | 0,0 | 0,0 | 0,0 |
| 1850 | 1900 | 0,0 | 0,0 | 0,0 | 0,0 |
| 1800 | 1850 | 0,5 | 0,5 | 0,1 | 0,1 |
| 1750 | 1800 | 9,1 | 9,6 | 1,8 | 1,9 |
| 1700 | 1750 | 30,2 | 39,9 | 4,7 | 6,6 |
| 1650 | 1700 | 74,2 | 114,1 | 16,0 | 22,6 |
| 1600 | 1650 | 118,5 | 232,6 | 34,1 | 56,7 |
| 1550 | 1600 | 100,3 | 332,9 | 34,7 | 91,4 |
| 1500 | 1550 | 93,6 | 426,5 | 40,7 | 132,1 |
| 1450 | 1500 | 80,6 | 507,1 | 45,5 | 177,6 |
| 1400 | 1450 | 69,8 | 576,9 | 51,0 | 228,6 |
| 1350 | 1400 | 56,3 | 633,2 | 55,0 | 283,5 |
| 1300 | 1350 | 43,3 | 676,6 | 56,2 | 339,8 |
| 1250 | 1300 | 47,2 | 723,7 | 79,4 | 419,2 |
| 1200 | 1250 | 51,6 | 775,3 | 112,0 | 531,2 |
| 1150 | 1200 | 51,4 | 826,7 | 141,5 | 672,7 |
| 1100 | 1150 | 44,8 | 871,5 | 144,1 | 816,8 |
| 1050 | 1100 | 32,3 | 903,8 | 114,4 | 931,3 |
| 1000 | 1050 | 33,5 | 937,3 | 128,7 | 1060,0 |
| 950 | 1000 | 31,0 | 968,3 | 131,2 | 1191,2 |
| 900 | 950 | 26,0 | 994,3 | 121,3 | 1312,5 |
| 850 | 900 | 23,7 | 1018,0 | 119,8 | 1432,3 |
| 800 | 850 | 21,6 | 1039,6 | 116,3 | 1548,5 |
| 750 | 800 | 17,8 | 1057,4 | 103,3 | 1651,9 |
| 700 | 750 | 5,4 | 1062,7 | 33,1 | 1685,0 |

**Kreppa and Kverká water drainage basin**

| Elevation (m a. s. l.) | | ΔS km$^2$ | ∑ΔS km$^2$ | ΔQ$_s$ (10$^6$m$^3$) | ∑ΔQ$_s$ (10$^6$m$^3$) |
|---|---|---|---|---|---|
| 1900 | 1950 | 0,0 | 0,0 | 0,0 | 0,0 |
| 1750 | 1800 | 0,6 | 0,6 | 0,0 | 0,0 |
| 1700 | 1750 | 2,3 | 2,9 | 0,4 | 0,4 |
| 1650 | 1700 | 4,9 | 7,8 | 0,9 | 1,4 |
| 1600 | 1650 | 41,4 | 49,2 | 13,8 | 15,2 |
| 1550 | 1600 | 20,5 | 69,7 | 8,9 | 24,1 |
| 1500 | 1550 | 13,4 | 83,0 | 7,0 | 31,1 |
| 1450 | 1500 | 16,3 | 99,3 | 9,3 | 40,4 |
| 1400 | 1450 | 19,8 | 119,1 | 11,7 | 52,1 |
| 1350 | 1400 | 25,5 | 144,6 | 15,8 | 67,9 |
| 1300 | 1350 | 20,0 | 164,6 | 14,4 | 82,3 |
| 1250 | 1300 | 15,5 | 180,1 | 14,8 | 97,1 |
| 1200 | 1250 | 17,7 | 197,9 | 22,7 | 119,8 |
| 1150 | 1200 | 17,7 | 215,5 | 29,5 | 149,2 |
| 1100 | 1150 | 16,9 | 232,4 | 40,4 | 189,6 |
| 1050 | 1100 | 11,1 | 243,5 | 34,1 | 223,7 |
| 1000 | 1050 | 13,4 | 256,9 | 44,1 | 267,8 |
| 950 | 1000 | 15,1 | 272,0 | 53,1 | 320,9 |
| 900 | 950 | 13,5 | 285,5 | 53,6 | 374,5 |
| 850 | 900 | 14,2 | 299,7 | 62,4 | 436,9 |
| 800 | 850 | 11,0 | 310,7 | 51,8 | 488,7 |
| 750 | 800 | 10,5 | 321,2 | 56,5 | 545,2 |
| 700 | 750 | 4,8 | 326,0 | 29,5 | 574,7 |
| 650 | 700 | 1,8 | 327,8 | 11,6 | 586,3 |

**Hálslón water drainage basin**

| Elevation (m a. s. l.) | | ΔS km$^2$ | ∑ΔS km$^2$ | ΔQ$_s$ (10$^6$m$^3$) | ∑ΔQ$_s$ (10$^6$m$^3$) |
|---|---|---|---|---|---|
| 1600 | 1650 | 11,2 | 11,2 | 4,6 | 4,6 |
| 1550 | 1600 | 31,8 | 43,0 | 14,9 | 19,5 |
| 1500 | 1550 | 63,6 | 106,7 | 33,6 | 53,0 |
| 1450 | 1500 | 67,2 | 173,9 | 37,9 | 91,0 |
| 1400 | 1450 | 91,5 | 265,4 | 44,6 | 135,6 |
| 1350 | 1400 | 131,7 | 397,2 | 70,6 | 206,2 |
| 1300 | 1350 | 129,4 | 526,5 | 89,8 | 296,0 |
| 1250 | 1300 | 126,1 | 652,6 | 125,4 | 421,4 |
| 1200 | 1250 | 99,2 | 751,9 | 135,4 | 556,8 |
| 1150 | 1200 | 84,7 | 836,5 | 150,0 | 706,8 |
| 1100 | 1150 | 66,5 | 903,1 | 156,1 | 862,9 |
| 1050 | 1100 | 58,7 | 961,8 | 173,0 | 1036,0 |
| 1000 | 1050 | 49,4 | 1011,1 | 163,7 | 1199,7 |
| 950 | 1000 | 41,4 | 1052,6 | 151,2 | 1350,9 |
| 900 | 950 | 32,9 | 1085,5 | 133,0 | 1483,9 |
| 850 | 900 | 28,5 | 1113,9 | 126,5 | 1610,4 |
| 800 | 850 | 27,2 | 1141,1 | 130,3 | 1740,7 |
| 750 | 800 | 26,6 | 1167,7 | 146,2 | 1886,9 |
| 700 | 750 | 20,8 | 1188,5 | 127,5 | 2014,4 |
| 650 | 700 | 15,7 | 1204,1 | 102,0 | 2116,4 |
| 600 | 650 | 3,0 | 1207,1 | 20,2 | 2136,6 |

**Jökulsá á Fljótsdal water drainage basin**

| Elevation (m a. s. l.) | | ΔS $km^2$ | ΣΔS $km^2$ | $\Delta Q_s$ ($10^6 m^3$) | $\Sigma\Delta Q_s$ ($10^6 m^3$) |
|---|---|---|---|---|---|
| 1450 | 1500 | 0,2 | 0,2 | 0,0 | 0,0 |
| 1400 | 1450 | 1,2 | 1,4 | 0,2 | 0,2 |
| 1350 | 1400 | 2,8 | 4,2 | 1,1 | 1,3 |
| 1300 | 1350 | 5,4 | 9,6 | 3,9 | 5,2 |
| 1250 | 1300 | 16,2 | 25,8 | 18,3 | 23,5 |
| 1200 | 1250 | 16,0 | 41,8 | 24,1 | 47,6 |
| 1150 | 1200 | 17,3 | 59,1 | 32,0 | 79,6 |
| 1100 | 1150 | 15,0 | 74,1 | 33,1 | 112,7 |
| 1050 | 1100 | 12,4 | 86,5 | 32,8 | 145,5 |
| 1000 | 1050 | 11,9 | 98,4 | 36,1 | 181,6 |
| 950 | 1000 | 8,8 | 107,2 | 30,7 | 212,3 |
| 900 | 950 | 5,5 | 112,7 | 21,7 | 234,0 |
| 850 | 900 | 4,4 | 117,1 | 18,6 | 252,6 |
| 800 | 850 | 3,2 | 120,3 | 14,6 | 267,2 |
| 750 | 800 | 3,0 | 123,4 | 15,0 | 282,3 |
| 700 | 750 | 2,6 | 126,0 | 14,0 | 296,3 |
| 650 | 700 | 3,0 | 129,0 | 17,5 | 313,9 |
| 600 | 650 | 0,2 | 129,2 | 1,0 | 314,8 |

**Hornafjarðarfljót water drainage basin**

| Elevation (m a. s. l.) | | ΔS $km^2$ | ∑ΔS $km^2$ | $\Delta Q_s$ ($10^6 m^3$) | $\sum\Delta Q_s$ ($10^6 m^3$) |
|---|---|---|---|---|---|
| 1450 | 1500 | 0,0 | 0,0 | 0,0 | 0,0 |
| 1400 | 1450 | 6,2 | 6,3 | 2,8 | 2,8 |
| 1350 | 1400 | 12,0 | 18,3 | 5,6 | 8,3 |
| 1300 | 1350 | 19,1 | 37,5 | 12,9 | 21,2 |
| 1250 | 1300 | 37,9 | 75,4 | 43,7 | 64,9 |
| 1200 | 1250 | 29,1 | 104,5 | 43,5 | 108,3 |
| 1150 | 1200 | 20,5 | 125,0 | 37,7 | 146,1 |
| 1100 | 1150 | 19,1 | 144,1 | 39,9 | 186,0 |
| 1050 | 1100 | 14,5 | 158,5 | 33,8 | 219,8 |
| 1000 | 1050 | 11,4 | 170,0 | 29,7 | 249,5 |
| 950 | 1000 | 10,7 | 180,7 | 31,7 | 281,3 |
| 900 | 950 | 8,2 | 188,8 | 27,2 | 308,5 |
| 850 | 900 | 5,5 | 194,3 | 20,4 | 328,8 |
| 800 | 850 | 4,4 | 198,7 | 17,2 | 346,0 |
| 750 | 800 | 4,2 | 202,9 | 17,5 | 363,5 |
| 700 | 750 | 3,7 | 206,6 | 16,9 | 380,4 |
| 650 | 700 | 3,6 | 210,2 | 17,5 | 397,9 |
| 600 | 650 | 2,6 | 212,8 | 14,1 | 412,0 |
| 550 | 600 | 1,9 | 214,7 | 10,9 | 422,9 |
| 500 | 550 | 1,9 | 216,6 | 11,6 | 434,6 |
| 450 | 500 | 1,3 | 217,9 | 8,3 | 442,9 |
| 400 | 450 | 1,3 | 219,2 | 8,9 | 451,7 |
| 350 | 400 | 0,8 | 220,1 | 5,8 | 457,6 |
| 300 | 350 | 0,9 | 221,0 | 6,3 | 463,9 |
| 250 | 300 | 1,5 | 222,5 | 10,4 | 474,3 |
| 200 | 250 | 2,9 | 225,3 | 21,6 | 495,9 |
| 150 | 200 | 3,1 | 228,5 | 26,4 | 522,3 |
| 100 | 150 | 2,4 | 230,9 | 22,2 | 544,6 |
| 50 | 100 | 1,8 | 232,8 | 17,9 | 562,4 |
| 0 | 50 | 2,6 | 235,4 | 26,7 | 589,1 |

**Jökulsá á Breiðamerkursandi water drainage basin**

| Elevation (m a. s. l.) | | ΔS $km^2$ | ∑ΔS $km^2$ | $\Delta Q_s$ ($10^6 m^3$) | $\sum\Delta Q_s$ ($10^6 m^3$) |
|---|---|---|---|---|---|
| 1650 | 1700 | 2,2 | 2,2 | 0,4 | 0,4 |
| 1600 | 1650 | 13,2 | 15,4 | 3,9 | 4,3 |
| 1550 | 1600 | 18,9 | 34,4 | 7,8 | 12,2 |
| 1500 | 1550 | 22,1 | 56,5 | 11,8 | 24,0 |
| 1450 | 1500 | 26,1 | 82,6 | 14,8 | 38,8 |
| 1400 | 1450 | 46,9 | 129,5 | 22,1 | 60,9 |
| 1350 | 1400 | 84,2 | 213,7 | 46,1 | 107,0 |
| 1300 | 1350 | 83,4 | 297,1 | 63,3 | 170,3 |
| 1250 | 1300 | 51,6 | 348,8 | 48,7 | 218,9 |
| 1200 | 1250 | 35,1 | 383,9 | 42,1 | 261,0 |
| 1150 | 1200 | 28,2 | 412,0 | 43,9 | 304,9 |
| 1100 | 1150 | 24,1 | 436,2 | 46,3 | 351,2 |
| 1050 | 1100 | 20,5 | 456,6 | 46,3 | 397,5 |
| 1000 | 1050 | 17,6 | 474,2 | 45,7 | 443,2 |
| 950 | 1000 | 18,9 | 493,1 | 55,8 | 498,9 |
| 900 | 950 | 20,0 | 513,2 | 67,1 | 566,1 |
| 850 | 900 | 19,9 | 533,1 | 73,5 | 639,5 |
| 800 | 850 | 20,1 | 553,2 | 78,0 | 717,5 |
| 750 | 800 | 19,5 | 572,8 | 83,4 | 800,9 |
| 700 | 750 | 19,2 | 592,0 | 88,1 | 889,0 |
| 650 | 700 | 27,6 | 619,6 | 131,7 | 1020,7 |
| 600 | 650 | 18,4 | 638,0 | 97,1 | 1117,8 |
| 550 | 600 | 18,7 | 656,7 | 105,3 | 1223,1 |
| 500 | 550 | 7,6 | 664,2 | 43,8 | 1266,9 |
| 450 | 500 | 6,5 | 670,7 | 41,8 | 1308,7 |
| 400 | 450 | 6,4 | 677,1 | 42,2 | 1350,9 |
| 350 | 400 | 5,3 | 682,3 | 34,9 | 1385,8 |
| 300 | 350 | 5,7 | 688,0 | 37,8 | 1423,6 |
| 250 | 300 | 5,5 | 693,5 | 37,5 | 1461,1 |
| 200 | 250 | 5,9 | 699,4 | 46,2 | 1507,4 |
| 150 | 200 | 5,3 | 704,7 | 50,9 | 1558,3 |
| 100 | 150 | 4,9 | 709,6 | 51,4 | 1609,7 |
| 50 | 100 | 4,8 | 714,4 | 51,8 | 1661,5 |
| 0 | 50 | 3,9 | 718,3 | 42,1 | 1703,6 |

**Breiðárlón/Fjallsárlón water drainage basin**

| Elevation (m a. s. l.) | | ΔS $km^2$ | ∑ΔS $km^2$ | $\Delta Q_s$ ($10^6 m^3$) | $\sum\Delta Q_s$ ($10^6 m^3$) |
|---|---|---|---|---|---|
| 1550 | 1600 | 0,0 | 0,0 | 0,0 | 0,0 |
| 1500 | 1550 | 0,7 | 0,8 | 0,0 | 0,0 |
| 1450 | 1500 | 1,9 | 2,7 | 0,3 | 0,4 |
| 1400 | 1450 | 4,3 | 7,0 | 1,5 | 1,9 |
| 1350 | 1400 | 6,3 | 13,3 | 4,1 | 6,0 |
| 1300 | 1350 | 12,6 | 25,9 | 12,3 | 18,4 |
| 1250 | 1300 | 6,5 | 32,4 | 7,4 | 25,7 |
| 1200 | 1250 | 5,6 | 38,0 | 7,5 | 33,3 |
| 1150 | 1200 | 4,9 | 42,9 | 7,6 | 40,9 |
| 1100 | 1150 | 4,5 | 47,3 | 8,6 | 49,5 |
| 1050 | 1100 | 5,0 | 52,3 | 10,9 | 60,4 |
| 1000 | 1050 | 6,0 | 58,3 | 14,6 | 75,0 |
| 950 | 1000 | 6,9 | 65,2 | 20,1 | 95,1 |
| 900 | 950 | 8,3 | 73,4 | 26,7 | 121,8 |
| 850 | 900 | 6,6 | 80,1 | 23,8 | 145,5 |
| 800 | 850 | 8,1 | 88,2 | 31,8 | 177,4 |
| 750 | 800 | 8,7 | 96,9 | 38,0 | 215,3 |
| 700 | 750 | 6,2 | 103,1 | 29,5 | 244,9 |
| 650 | 700 | 7,1 | 110,1 | 35,9 | 280,8 |
| 600 | 650 | 7,9 | 118,0 | 42,5 | 323,2 |
| 550 | 600 | 8,6 | 126,6 | 50,1 | 373,4 |
| 500 | 550 | 8,7 | 135,3 | 53,3 | 426,6 |
| 450 | 500 | 9,1 | 144,4 | 58,0 | 484,6 |
| 400 | 450 | 11,0 | 155,4 | 72,1 | 556,8 |
| 350 | 400 | 8,9 | 164,3 | 59,6 | 616,3 |
| 300 | 350 | 6,9 | 171,1 | 46,2 | 662,5 |
| 250 | 300 | 6,9 | 178,0 | 48,0 | 710,5 |
| 200 | 250 | 7,1 | 185,1 | 54,6 | 765,2 |
| 150 | 200 | 5,3 | 190,4 | 48,5 | 813,7 |
| 100 | 150 | 4,3 | 194,7 | 43,6 | 857,3 |
| 50 | 100 | 4,1 | 198,8 | 42,4 | 899,7 |
| 0 | 50 | 3,3 | 202,1 | 35,0 | 934,7 |

**Skeiðarársandur (Gígja) water drainage basin (Gígja)**

| Elevation (m a. s. l.) | | ΔS $km^2$ | ∑ΔS $km^2$ | $\Delta Q_s$ ($10^6 m^3$) | $\sum\Delta Q_s$ ($10^6 m^3$) |
|---|---|---|---|---|---|
| 1700 | 1750 | 0,0 | 0,0 | 0,0 | 0,0 |
| 1650 | 1700 | 15,3 | 15,4 | 4,4 | 4,4 |
| 1600 | 1650 | 79,0 | 94,3 | 27,8 | 32,1 |
| 1550 | 1600 | 82,0 | 176,3 | 37,5 | 69,6 |
| 1500 | 1550 | 105,5 | 281,8 | 59,5 | 129,1 |
| 1450 | 1500 | 96,3 | 378,1 | 63,6 | 192,7 |
| 1400 | 1450 | 92,7 | 470,8 | 66,7 | 259,4 |
| 1350 | 1400 | 81,5 | 552,2 | 66,1 | 325,5 |
| 1300 | 1350 | 69,9 | 622,2 | 66,8 | 392,3 |
| 1250 | 1300 | 62,9 | 685,1 | 72,9 | 465,2 |
| 1200 | 1250 | 52,5 | 737,6 | 73,6 | 538,8 |
| 1150 | 1200 | 44,8 | 782,4 | 79,1 | 617,9 |
| 1100 | 1150 | 37,2 | 819,7 | 79,4 | 697,2 |
| 1050 | 1100 | 30,5 | 850,2 | 77,8 | 775,0 |
| 1000 | 1050 | 24,6 | 874,7 | 71,4 | 846,4 |
| 950 | 1000 | 23,1 | 897,8 | 73,3 | 919,7 |
| 900 | 950 | 23,4 | 921,2 | 81,2 | 1000,9 |
| 850 | 900 | 28,4 | 949,6 | 107,4 | 1108,3 |
| 800 | 850 | 21,2 | 970,9 | 85,5 | 1193,8 |
| 750 | 800 | 18,6 | 989,5 | 78,5 | 1272,3 |
| 700 | 750 | 20,1 | 1009,5 | 89,0 | 1361,4 |
| 650 | 700 | 14,2 | 1023,7 | 69,2 | 1430,6 |
| 600 | 650 | 11,6 | 1035,3 | 60,9 | 1491,5 |
| 550 | 600 | 13,9 | 1049,1 | 76,2 | 1567,7 |
| 500 | 550 | 9,4 | 1058,5 | 53,0 | 1620,7 |
| 450 | 500 | 6,3 | 1064,8 | 37,9 | 1658,6 |
| 400 | 450 | 6,6 | 1071,4 | 41,8 | 1700,4 |
| 350 | 400 | 9,2 | 1080,6 | 61,9 | 1762,4 |
| 300 | 350 | 12,3 | 1092,8 | 88,5 | 1850,9 |
| 250 | 300 | 12,7 | 1105,6 | 97,3 | 1948,2 |
| 200 | 250 | 12,6 | 1118,2 | 102,0 | 2050,2 |
| 150 | 200 | 10,5 | 1128,7 | 90,4 | 2140,6 |
| 100 | 150 | 8,9 | 1137,6 | 80,1 | 2220,7 |
| 50 | 100 | 7,9 | 1145,5 | 74,0 | 2294,6 |
| 0 | 50 | 0,2 | 1145,7 | 1,6 | 2296,2 |

**Súla water drainage basin**

| Elevation (m a. s. l.) | | ΔS $km^2$ | ∑ΔS $km^2$ | $\Delta Q_s$ ($10^6 m^3$) | $\sum\Delta Q_s$ ($10^6 m^3$) |
|---|---|---|---|---|---|
| 1650 | 1700 | 0,9 | 0,9 | 0,0 | 0,0 |
| 1600 | 1650 | 2,5 | 3,4 | 1,0 | 1,1 |
| 1550 | 1600 | 4,0 | 7,5 | 2,5 | 3,6 |
| 1500 | 1550 | 5,9 | 13,3 | 4,4 | 8,0 |
| 1450 | 1500 | 11,1 | 24,4 | 10,2 | 18,2 |
| 1400 | 1450 | 11,0 | 35,4 | 11,2 | 29,4 |
| 1350 | 1400 | 9,3 | 44,7 | 10,6 | 40,0 |
| 1300 | 1350 | 8,2 | 52,9 | 9,9 | 49,9 |
| 1250 | 1300 | 6,6 | 59,5 | 8,7 | 58,6 |
| 1200 | 1250 | 7,9 | 67,4 | 11,8 | 70,4 |
| 1150 | 1200 | 8,8 | 76,2 | 15,4 | 85,7 |
| 1100 | 1150 | 15,2 | 91,4 | 30,7 | 116,5 |
| 1050 | 1100 | 16,0 | 107,3 | 39,2 | 155,7 |
| 1000 | 1050 | 16,7 | 124,0 | 47,9 | 203,6 |
| 950 | 1000 | 18,0 | 142,0 | 58,0 | 261,6 |
| 900 | 950 | 15,4 | 157,4 | 54,1 | 315,7 |
| 850 | 900 | 11,4 | 168,7 | 42,5 | 358,2 |
| 800 | 850 | 11,9 | 180,6 | 47,5 | 405,7 |
| 750 | 800 | 7,4 | 188,0 | 31,2 | 436,9 |
| 700 | 750 | 5,9 | 193,9 | 26,7 | 463,6 |
| 650 | 700 | 5,1 | 199,0 | 24,8 | 488,3 |
| 600 | 650 | 5,6 | 204,6 | 29,5 | 517,8 |
| 550 | 600 | 11,1 | 215,7 | 62,1 | 579,9 |
| 500 | 550 | 10,5 | 226,2 | 61,1 | 640,9 |
| 450 | 500 | 7,3 | 233,5 | 44,1 | 685,1 |
| 400 | 450 | 6,5 | 240,0 | 41,1 | 726,2 |
| 350 | 400 | 5,1 | 245,0 | 34,0 | 760,2 |
| 300 | 350 | 2,7 | 247,7 | 19,6 | 779,8 |
| 250 | 300 | 1,0 | 248,7 | 8,2 | 787,9 |
| 200 | 250 | 0,8 | 249,6 | 6,8 | 794,7 |
| 150 | 200 | 0,7 | 250,3 | 5,9 | 800,5 |
| 100 | 150 | 0,7 | 251,0 | 6,5 | 807,0 |
| 50 | 100 | 0,7 | 251,7 | 7,2 | 814,2 |

**Djúpá water drainage basin**

| Elevation (m a. s. l.) | | ΔS $km^2$ | ∑ΔS $km^2$ | $\Delta Q_s$ ($10^6 m^3$) | $\sum\Delta Q_s$ ($10^6 m^3$) |
|---|---|---|---|---|---|
| 1450 | 1500 | 0,0 | 0,0 | 0,1 | 0,1 |
| 1400 | 1450 | 0,3 | 0,4 | 0,4 | 0,5 |
| 1350 | 1400 | 0,7 | 1,1 | 1,0 | 1,6 |
| 1300 | 1350 | 3,5 | 4,6 | 5,7 | 7,3 |
| 1250 | 1300 | 3,4 | 8,0 | 5,9 | 13,2 |
| 1200 | 1250 | 3,0 | 11,0 | 5,9 | 19,1 |
| 1150 | 1200 | 3,5 | 14,5 | 7,9 | 27,1 |
| 1100 | 1150 | 5,3 | 19,9 | 13,5 | 40,6 |
| 1050 | 1100 | 6,1 | 26,0 | 18,4 | 59,0 |
| 1000 | 1050 | 9,2 | 35,2 | 31,4 | 90,3 |
| 950 | 1000 | 7,3 | 42,4 | 27,4 | 117,7 |
| 900 | 950 | 7,8 | 50,2 | 31,3 | 149,0 |
| 850 | 900 | 6,7 | 56,9 | 27,8 | 176,8 |
| 800 | 850 | 8,0 | 64,8 | 34,1 | 211,0 |
| 750 | 800 | 6,6 | 71,4 | 28,9 | 239,9 |
| 700 | 750 | 3,7 | 75,1 | 17,0 | 256,9 |
| 650 | 700 | 2,9 | 78,0 | 14,4 | 271,3 |
| 600 | 650 | 1,0 | 79,0 | 5,3 | 276,6 |

**Brunná water drainage basin**

| Elevation (m a. s. l.) | | ΔS $km^2$ | ∑ΔS $km^2$ | $\Delta Q_s$ ($10^6 m^3$) | $\sum\Delta Q_s$ ($10^6 m^3$) |
|---|---|---|---|---|---|
| 1050 | 1100 | 0,0 | 0,0 | 0,0 | 0,0 |
| 1000 | 1050 | 0,9 | 1,0 | 3,4 | 3,4 |
| 950 | 1000 | 2,5 | 3,5 | 9,5 | 12,9 |
| 900 | 950 | 4,3 | 7,8 | 17,2 | 30,1 |
| 850 | 900 | 4,2 | 12,0 | 17,2 | 47,3 |
| 800 | 850 | 4,2 | 16,2 | 17,4 | 64,6 |
| 750 | 800 | 4,6 | 20,7 | 19,6 | 84,2 |
| 700 | 750 | 5,6 | 26,4 | 26,0 | 110,2 |
| 650 | 700 | 4,8 | 31,2 | 24,8 | 135,0 |
| 600 | 650 | 3,2 | 34,4 | 17,9 | 152,9 |
| 550 | 600 | 0,5 | 34,9 | 3,0 | 155,8 |

**Hverfisfljót water drainage basin**

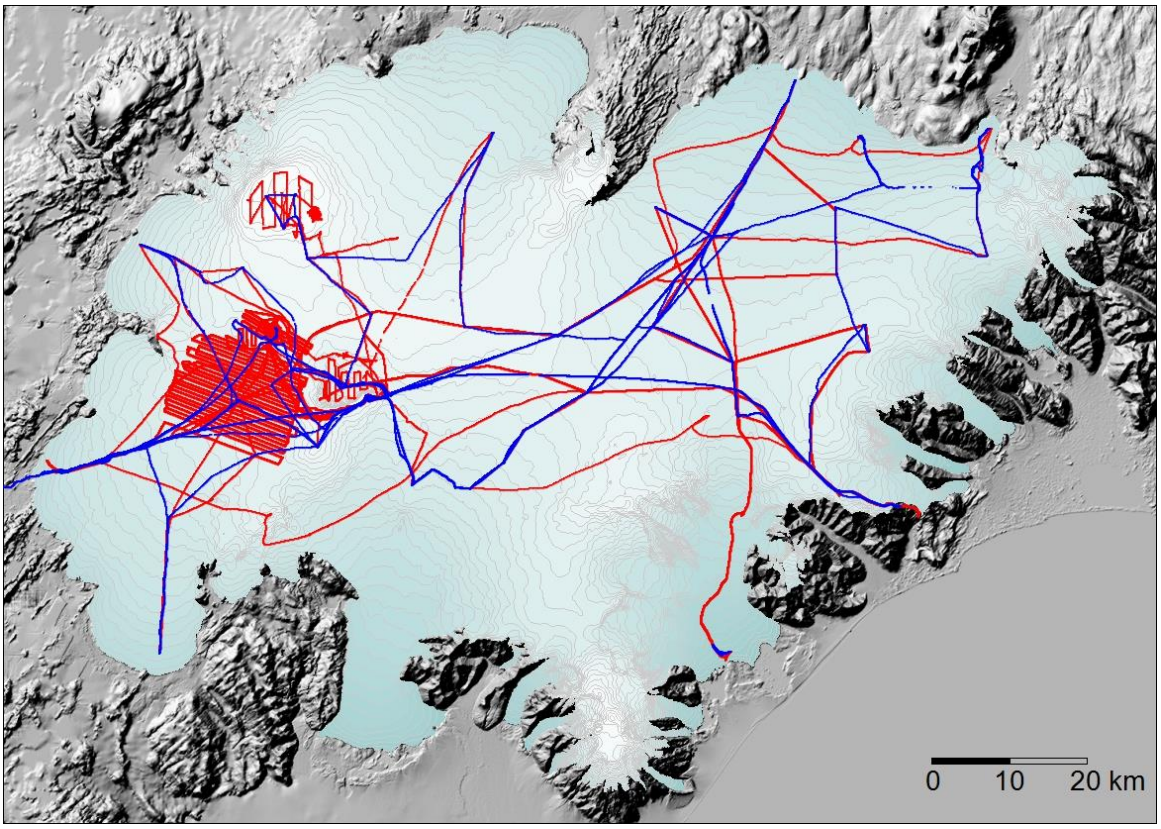
| Elevation (m a. s. l.) | | ΔS $km^2$ | ∑ΔS $km^2$ | $\Delta Q_s$ ($10^6 m^3$) | $\sum\Delta Q_s$ ($10^6 m^3$) |
|---|---|---|---|---|---|
| 1650 | 1700 | 4,0 | 4,0 | 1,3 | 1,3 |
| 1600 | 1650 | 9,0 | 13,1 | 4,2 | 5,5 |
| 1550 | 1600 | 9,6 | 22,7 | 6,0 | 11,4 |
| 1500 | 1550 | 19,9 | 42,6 | 15,3 | 26,7 |
| 1450 | 1500 | 41,1 | 83,7 | 39,5 | 66,2 |
| 1400 | 1450 | 27,6 | 111,3 | 30,4 | 96,6 |
| 1350 | 1400 | 24,1 | 135,4 | 29,9 | 126,5 |
| 1300 | 1350 | 22,8 | 158,2 | 32,5 | 159,0 |
| 1250 | 1300 | 18,1 | 176,3 | 29,2 | 188,3 |
| 1200 | 1250 | 20,2 | 196,5 | 38,3 | 226,6 |
| 1150 | 1200 | 14,6 | 211,1 | 33,2 | 259,7 |
| 1100 | 1150 | 11,1 | 222,2 | 30,1 | 289,8 |
| 1050 | 1100 | 9,6 | 231,7 | 29,9 | 319,7 |
| 1000 | 1050 | 9,0 | 240,7 | 31,6 | 351,2 |
| 950 | 1000 | 8,9 | 249,6 | 33,5 | 384,7 |
| 900 | 950 | 8,6 | 258,1 | 33,7 | 418,4 |
| 850 | 900 | 7,8 | 265,9 | 31,6 | 450,0 |
| 800 | 850 | 7,3 | 273,2 | 30,6 | 480,6 |
| 750 | 800 | 10,1 | 283,2 | 44,2 | 524,8 |
| 700 | 750 | 12,1 | 295,3 | 56,9 | 581,6 |
| 650 | 700 | 10,5 | 305,8 | 53,9 | 635,6 |
| 600 | 650 | 6,2 | 312,0 | 33,7 | 669,3 |
| 550 | 600 | 1,0 | 313,1 | 5,7 | 675,0 |

**Skaftá water drainage basin**

| Elevation (m a. s. l.) | | ΔS $km^2$ | ∑ΔS $km^2$ | $\Delta Q_s$ ($10^6 m^3$) | $\sum\Delta Q_s$ ($10^6 m^3$) |
|---|---|---|---|---|---|
| 1650 | 1700 | 2,2 | 2,2 | 1,1 | 1,1 |
| 1600 | 1650 | 15,6 | 17,8 | 8,6 | 9,7 |
| 1550 | 1600 | 22,7 | 40,4 | 15,2 | 24,9 |
| 1500 | 1550 | 30,8 | 71,2 | 24,5 | 49,4 |
| 1450 | 1500 | 24,5 | 95,7 | 22,1 | 71,5 |
| 1400 | 1450 | 22,3 | 118,0 | 23,5 | 95,0 |
| 1350 | 1400 | 20,5 | 138,5 | 25,3 | 120,3 |
| 1300 | 1350 | 22,5 | 161,0 | 32,1 | 152,4 |
| 1250 | 1300 | 15,6 | 176,6 | 25,7 | 178,1 |
| 1200 | 1250 | 21,0 | 197,6 | 41,8 | 219,9 |
| 1150 | 1200 | 22,7 | 220,2 | 56,2 | 276,1 |
| 1100 | 1150 | 23,7 | 243,9 | 69,5 | 345,6 |
| 1050 | 1100 | 24,2 | 268,1 | 80,3 | 425,8 |
| 1000 | 1050 | 26,2 | 294,3 | 94,9 | 520,7 |
| 950 | 1000 | 20,6 | 314,9 | 81,0 | 601,8 |
| 900 | 950 | 16,7 | 331,7 | 70,8 | 672,5 |
| 850 | 900 | 14,4 | 346,0 | 65,6 | 738,1 |
| 800 | 850 | 14,8 | 360,8 | 73,3 | 811,4 |
| 750 | 800 | 12,3 | 373,1 | 66,1 | 877,5 |
| 700 | 750 | 9,7 | 382,8 | 55,4 | 933,0 |
| 650 | 700 | 5,8 | 388,6 | 34,6 | 967,5 |
| 600 | 650 | 1,1 | 389,7 | 6,8 | 974,3 |

## Appendix F: location of GPS surface profiles 2017.

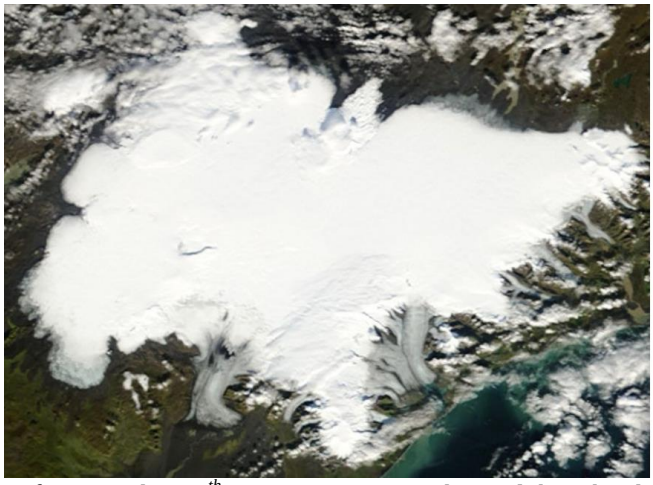
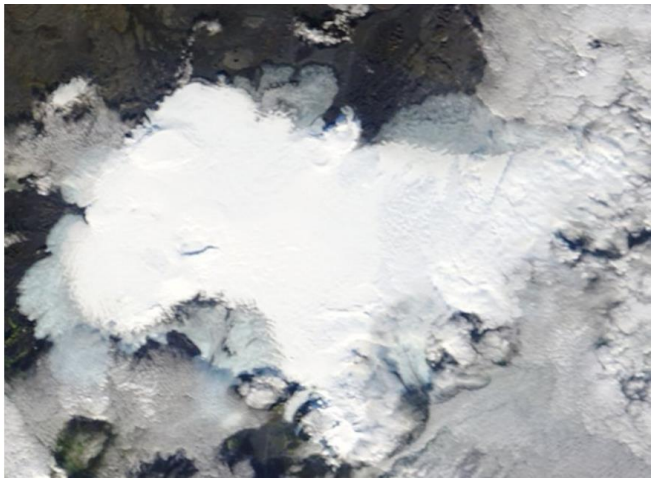
During field trips, GPS L1,L2 land survey instruments mounted on snow track, cars or snowmobiles are used to collect data continuously. The collected data is kinematically postprocessed, usually with accuracy of a few centimeters for postion of the antenna center, and surface elevation with an accuracy of few cm to few dm, depending on stability of the vehicle.



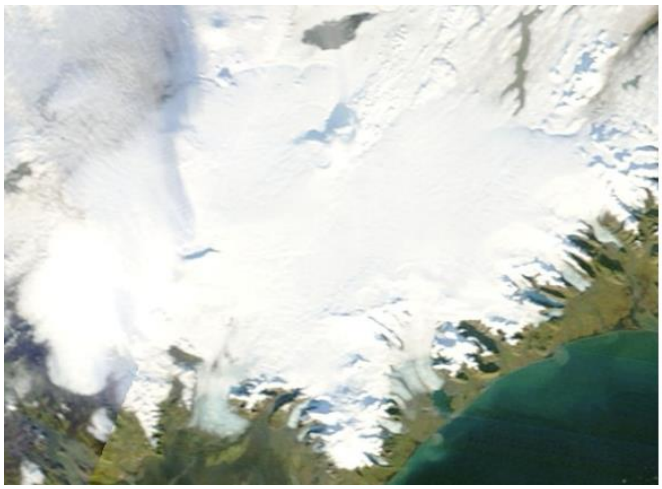
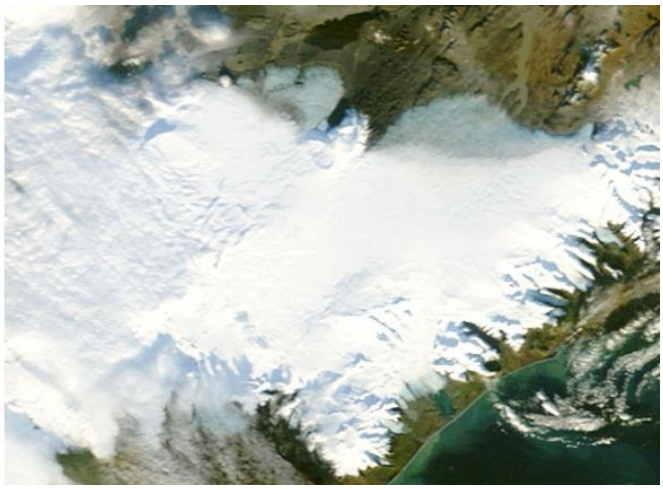

*Location of GPS surface profiles2017. Profiles surveyed in March, May and June shown in RED and surveyed in October and December in BLUE.*

# Appendix G: MODIS satellite images of Vatnajökull and vicinity 2016-2017.

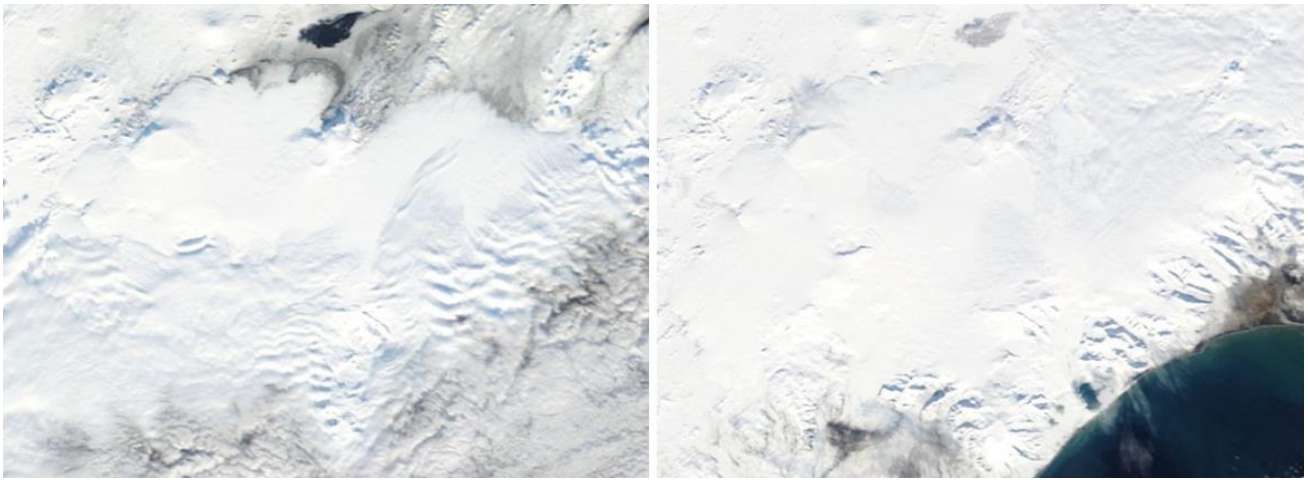
The images are either from the MODIS Aqua or MODIS Terra satellites, visible light, 250 m resolution.
http://rapidfire.sci.gsfc.nasa.gov/
*The Moderate Resolution Imaging Spectroradiometer (MODIS) flies onboard NASA's Aqua and Terra satellites as part of the NASA-centered international Earth Observing 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.*

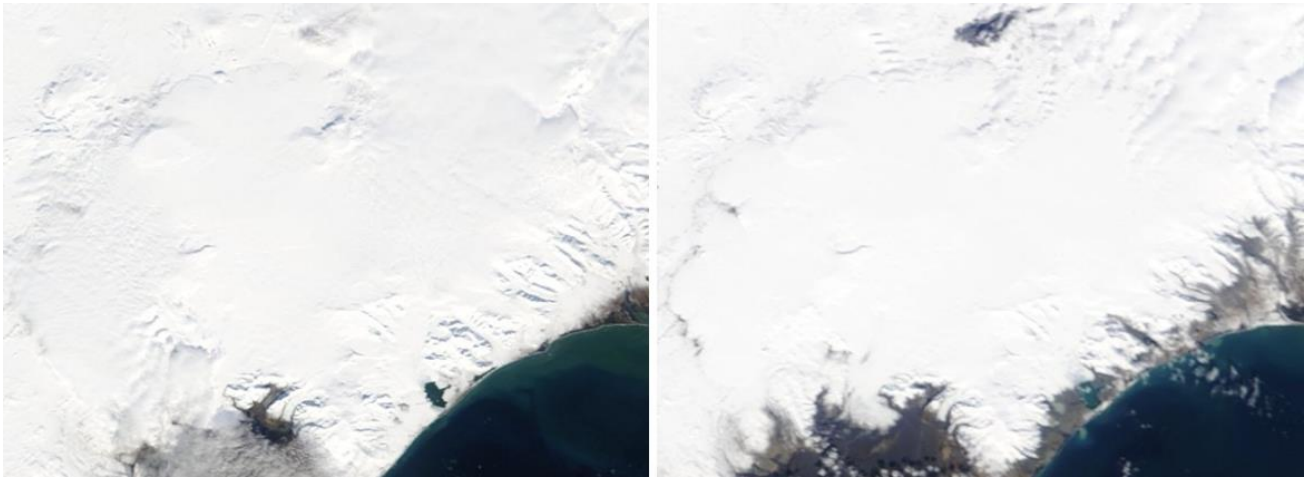
*Left: September 26th,2016. Since September 3rd there has been snowfall above ~800 m a.s.l..*
*Right: October 15th, 2016. Most of the autumn snow has melted from ablation zone of all visible outlets. When the image was acquired the summer balance expedition to glacier was ongoing. Autumn snow up to 2 m (at Háabunga) was measured in the accumulation zone, but bare ice in most of the ablation zone.*

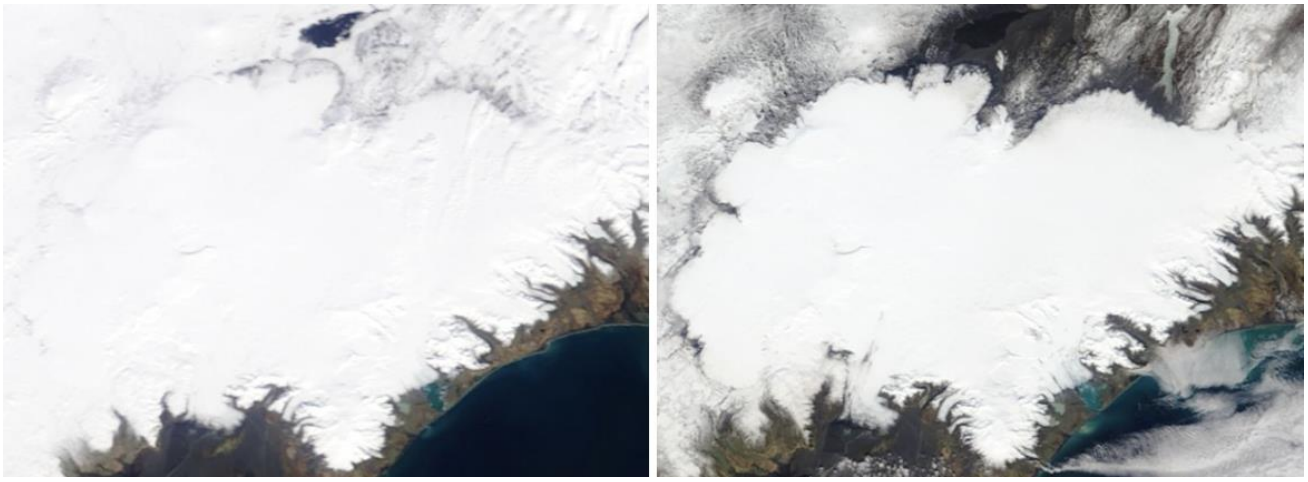
*Left: November 5th 2016. Finally snow covers all of Vatnajökull except the lower areas of the SE-outlets.*
*Right: November 10th. Snow in the ablation zone of the northern outlets and north highland has melted!; the autumn was extremely mild.*



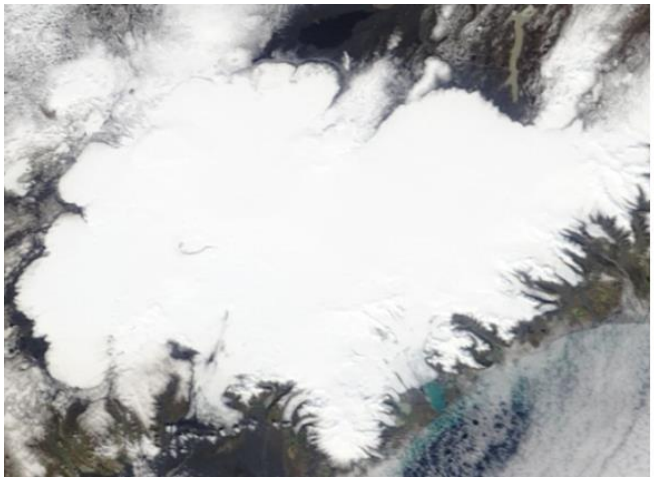
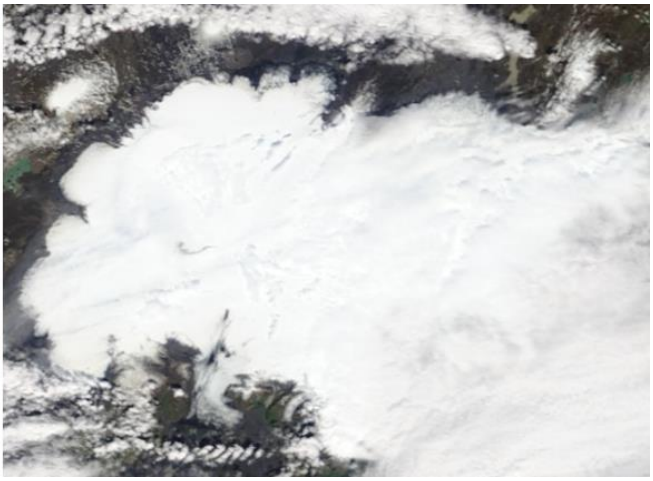
*February 13th and March 3rd left and right respectively, height of winter. The snow cover of the south lowland and and north highland is very thin, almost nothing in February.*



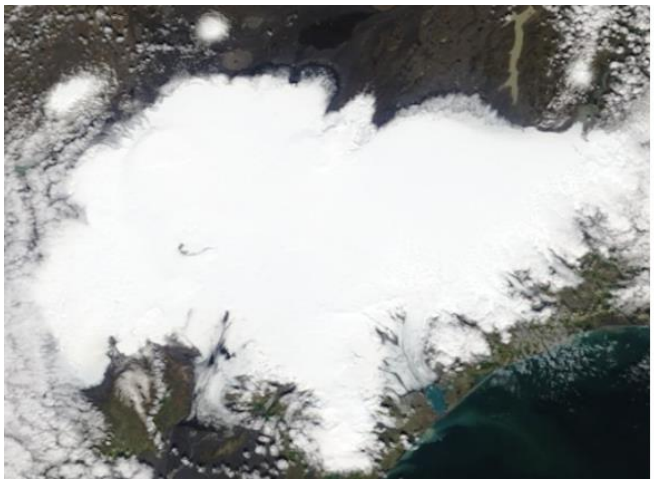
*Left: March 21th, and April 16th. Not much has visibly changed since the first week of March.*



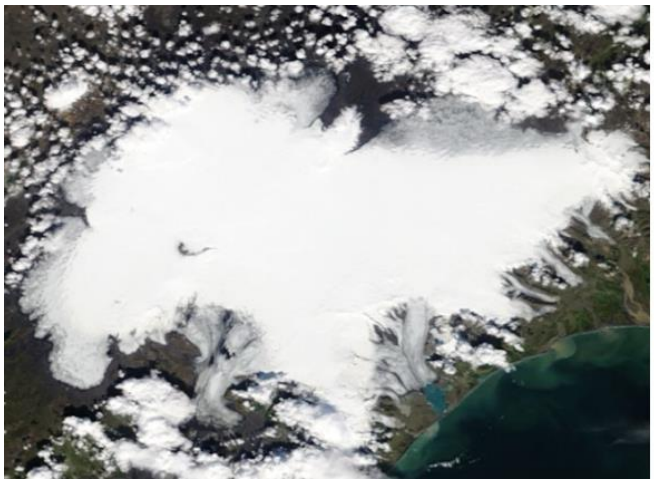
*Left: May 21st. Melting has started.*
*Right: May 8th. Start of summer, most of the snow has melted in the western and northern highland, Hágöngulón is still frozen over.*

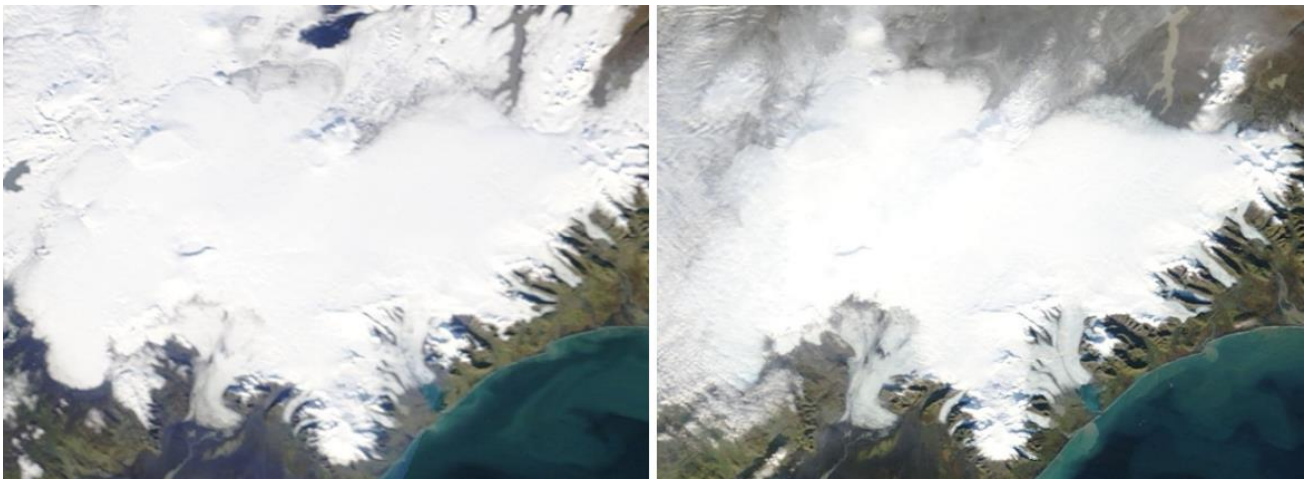
*Left: May 21st, not much has changed, the warm start of spring is halted. .*
*Right: June 14th. The snowline is still not visible on all outlet, June wasneither warm or sunny.*




*Left: June 27th, slight change from the 14th, summer is stalling.*
*Right: July 24th. The snowline has migrating upwards all visible outlets. The thin snow on the snout of the northern outlets has melted, snowline is rising on all visible outlets. Some dust (brownish surface) is visible in areas just above the snowline.*

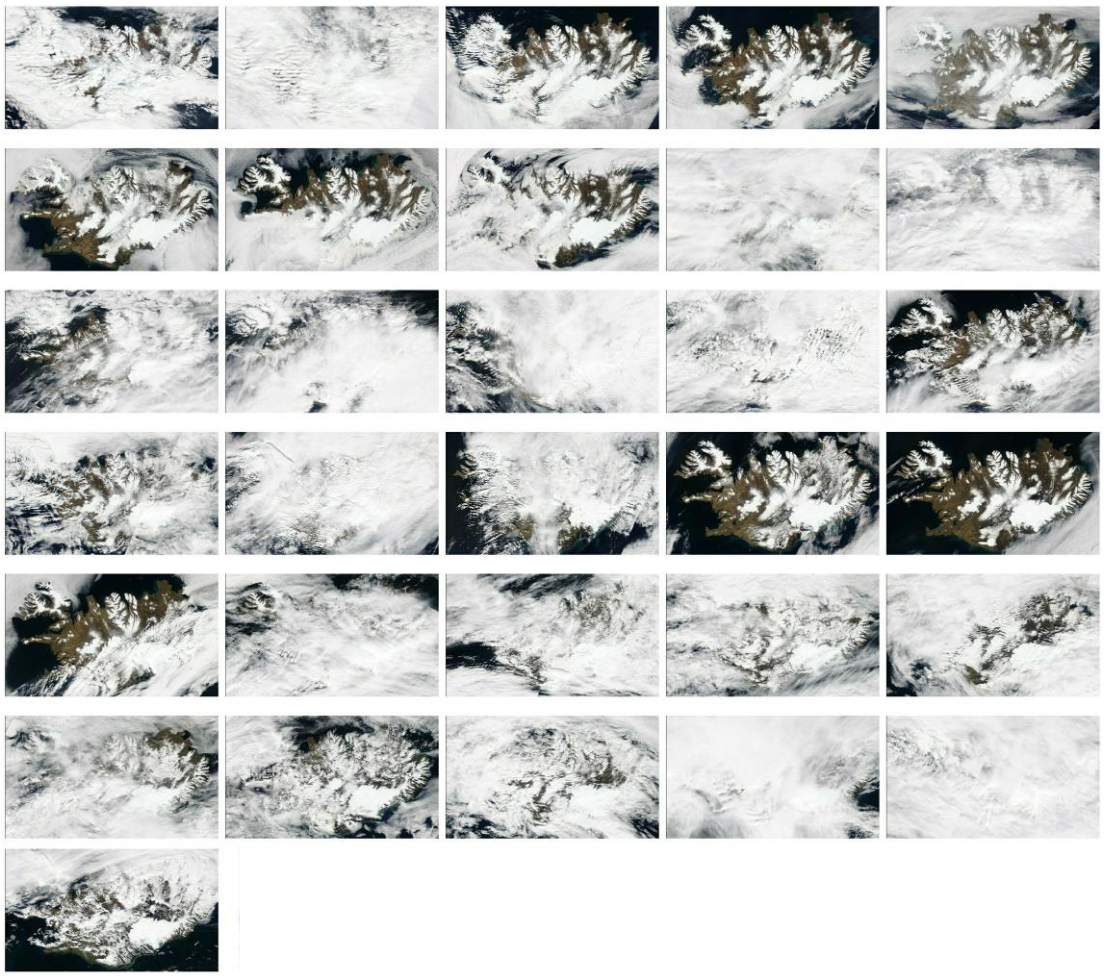



*Left: August 3rd. Snowline still rapidly migrating upward, it is high summer, and last week of July was extremely warm and sunny.*
*Right: August 30th, summer condition continue, still rapid meting upward and migration of the snowline.*

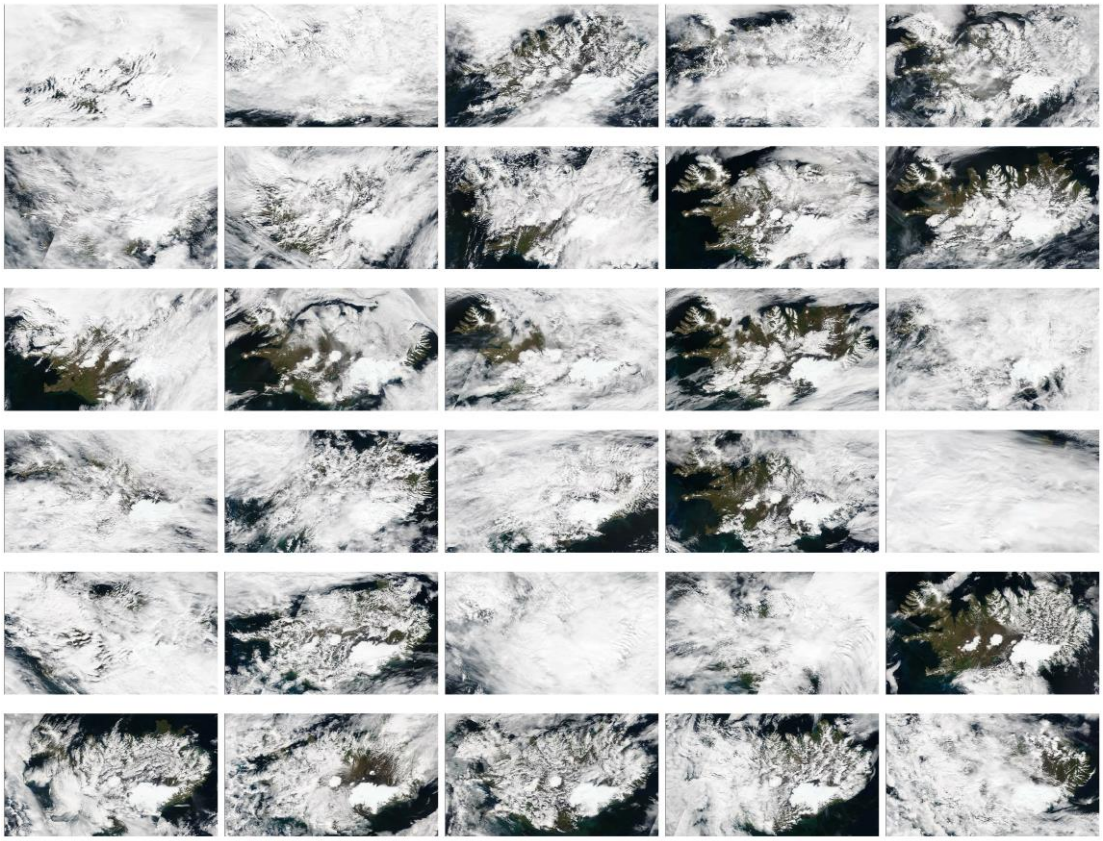


*Left: October 16th. First snow below ~1000 m .*
*Right: October 26th. The autumn expedition people are on the glacier. Most of the autumn snow has melted from ablation zone of all visible outlets, and Tungnaárjökull and were bare ice in the ablation zone, and the ablation zone of Brúarjökull was impassable due to slush . Autumn snow up to 1.3 m (at Breiðabunga) was measured in the accumulation zone, but bare ice in most of the ablation zone.*

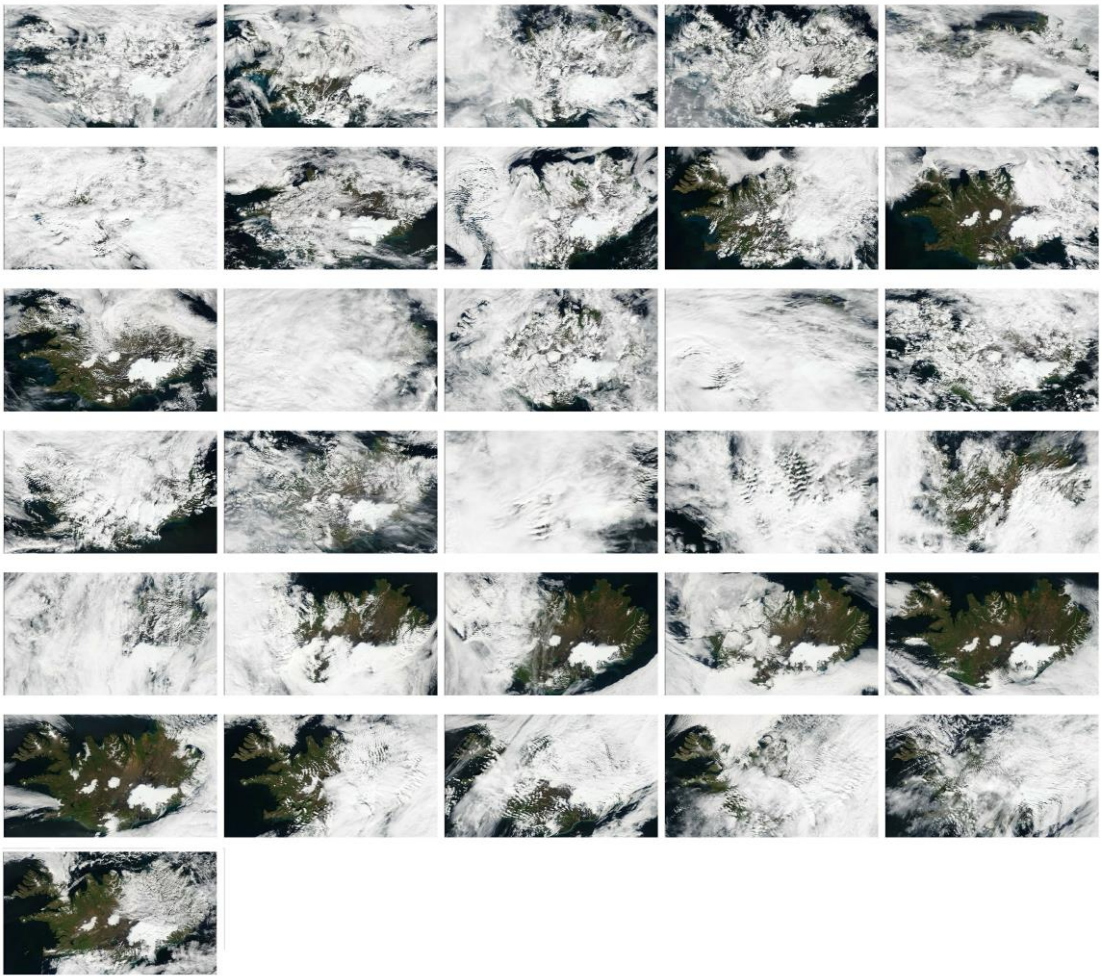
On the next pages MODIS images for all days of May, June, July, August and September 2017 are shown in 1km resolution.



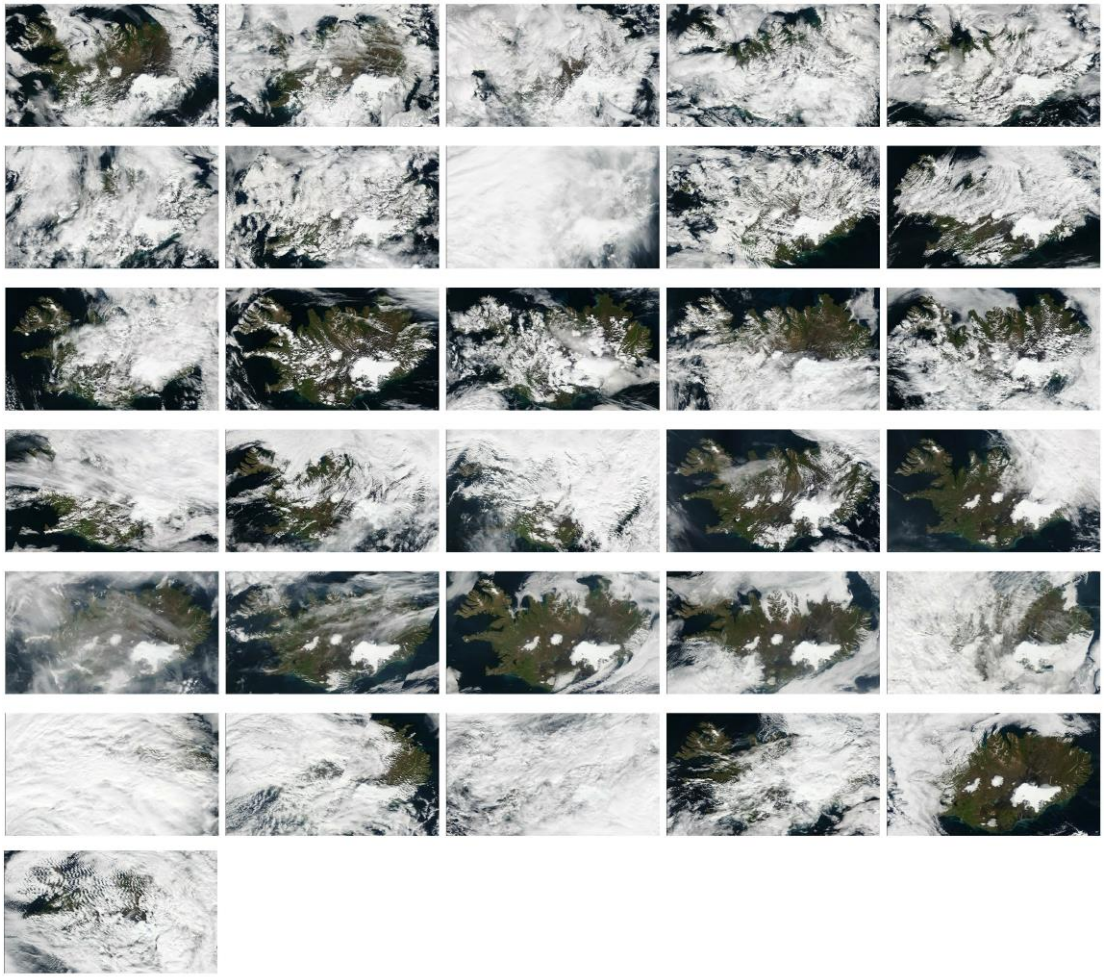
*MODIS: May 2017 (read from left to right and downwards).*



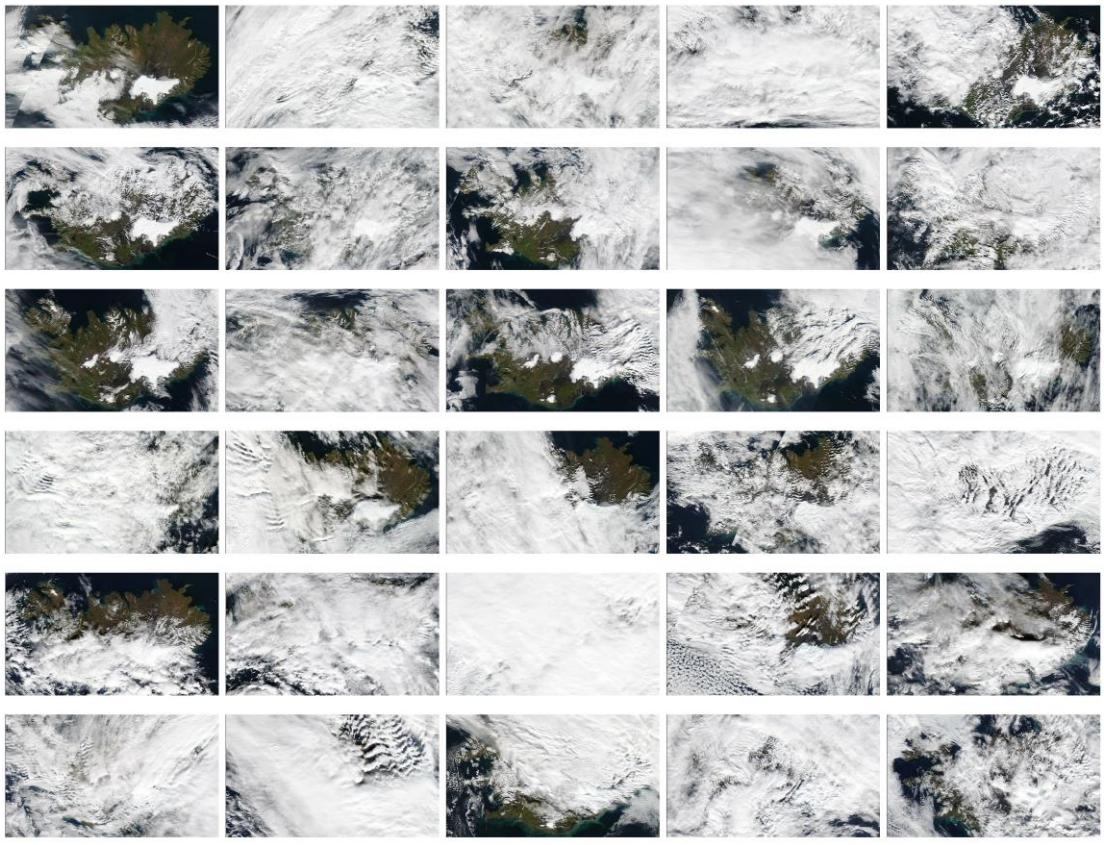
*MODIS: June 2017 (read from left to right and downwards).*



*MODIS: July 2017 (read from left to right and downwards).*



*MODIS: August 2017 (read from left to right and downwards).*



*MODIS: September 2017 (read  from left to right and downwards).*