Bulletin No. 2 (2014 – 2015)

# Global Glacier Change Bulletin

A contribution to

the Global Terrestrial Network for Glaciers (GTN-G) as part of the Global Climate Observing System (GCOS) and its Terrestrial Observation Panel for Climate (TOPC),

the Division of Early Warning and Assessment and the Global Environment Outlook as part of the United Nations Environment Programme (DEWA and GEO, UNEP),

and the International Hydrological Programme of the United Nations Educational, Scientific and Cultural Organization (IHP, UNESCO)

Compiled by
the World Glacier Monitoring Service (WGMS)

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ICSU (WDS) – IUGG (IACS) – UNEP – UNESCO – WMO | 2017

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Edited by

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Jacqueline Huber, Horst Machguth, Frank Paul, Martin Hoelzle

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**ICSU (WDS) – IUGG (IACS) – UNEP – UNESCO – WMO**

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National Correspondents (see pages 127 ff): data compilation, submission, and review of press proof
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**Cover page**

Panoramic view of Waldemarbreen (Svalbard/Norway). Photo taken by I. Sobota in the summer of 2015.

# Preface by GCOS

Since the publication of the first Global Glacier Change Bulletin in 2015, the "climate observations landscape" has seen substantial progress in the face of increasing effects of global climate change. The Paris Agreement, which was adopted by the 21st Conference of Parties (COP) to the United Nations Framework Convention on Climate Change (UNFCCC) in December 2015 marks a watershed moment in global efforts to address and limit climate change. Its central aim is to strengthen the global response to the threat of climate change by keeping the global temperature rise until the end of this century well below 2 degrees Celsius above pre-industrial levels and to pursue efforts to limit it to 1.5 °C. This is, however, not possible without a thorough and reliable systematic observation of the climate system.

The mechanism to address these observation needs is the Global Climate Observing System (GCOS). Established in 1992 and co-sponsored by the World Meteorological Organization (WMO), the United Nations Educational, Scientific and Cultural Organization (UNESCO), the United Nations Environment Programme (UNEP), and the International Council for Science (ICSU), GCOS promotes standardized, systematic and sustained climate observations to improve the understanding of our climate system and enhance climate services.

GCOS guides climate observing systems through regular implementation plans. The recent plan was published in 2016 and responds to the needs identified in the GCOS status report from 2015 but also to the ambitious goals and expectations of the Paris Agreement. This 2016 plan includes nine explicit actions to improve the global glacier observing network (T19–T27) and many more general actions, that will help to improve and adapt glacier observations networks to the increasing needs of the climate community. To reach this goal, the 22nd COP in Marrakesh in 2016 invited "United Nations agencies and international organizations to support the full implementation of the [GCOS] implementation plan, as appropriate".

This recognition and support by the United Nations and its members to address the big challenges laid out in the Paris Agreement holds of course for all climate observing networks of which the GCOS consists. With the present second issue of the Global Glacier Change Bulletin, the WGMS proves once more its relevance as the renowned international centre for glacier observations for providing highly regarded climate information to a broad user community. It also proves, that the WGMS is very well positioned to provide answers not only to the needs of the Paris Agreement but to the complex challenges of climate change and glaciers in general. The efforts of the WGMS to provide these services and the sustained support of the Swiss Government are shining examples, and the WGMS can be regarded as a model for other observation networks for sustainable climate observations. The GCOS Secretariat congratulates the WGMS for this successful work, and we look forward to continuing our fruitful and excellent cooperation.

Carolin Richter, Dr
Director, GCOS Secretariat

## Preface by IACS (IUGG)

The International Association of Cryospheric Sciences (IACS) was established in 2007 as the eighth Association under the International Union of Geodesy and Geophysics (IUGG). Glacier monitoring is an important activity of the IACS. This activity goes back to the Commission Internationale des Glaciers (CIG), the common origin of both IACS and the World Glacier Monitoring Service (WGMS). Nowadays, IACS leads the Advisory Board for the Global Terrestrial Network for Glaciers (GTN-G), where WGMS has a leading role.

Since 1986, the WGMS has collected and published standardized information about ongoing glacier fluctuations and events, i.e., changes in glacier length, area, volume, and mass. In response to calls-for-data, observations are contributed through an international scientific collaboration network, which consists of WGMS National Correspondents and Principal Investigators in over 30 countries worldwide. Submitted data are converted into standardized formats and uploaded into the Fluctuations of Glaciers database. Each version of the database is given a digital object identifier and made available to the public. The WGMS datasets have been cited in all five Assessment Reports of Working Group I of the Intergovernmental Panel on Climate Change (IPCC). They have been and will certainly continue to be used in numerous scientific publications.

The present Global Glacier Change Bulletin presents a wealth of data from numerous glaciers around the world. The data collected either in situ or via remote sensing are the result of much hard work and a joint effort by members of the glaciological community. IACS is thus much obliged to all the investigators who have collected, analyzed and submitted their data to the WGMS database to be shared with the international community.

The IACS extends thanks to the World Glacier Monitoring Service for its thorough work and continuous efforts in collecting and standardizing glaciological data, as published in the current Global Glacier Change Bulletin, and for making the data available in digital format. We also thank WGMS for its contribution to several IACS Working Groups, in particular for its efforts to collect and standardize ice thickness data in support of the Working Group on Glacier Ice Thickness Estimation.

Liss M. Andreassen, Dr
Head, Division of Glaciers and Ice Sheets, IACS

Regine Hock, Prof. Dr
President, IACS

## Preface by UNESCO

Glaciers are key and unique indicators of global warming and climate change. They are also an integral part of the culture, landscape, and environment, and an important component of the hydrological cycle in high mountain regions. In 2014, IPCC confirmed with a high degree of confidence that glaciers have continued to shrink almost worldwide and that these changes will affect water availability for the large populations situated downstream. The monitoring of these glaciers is therefore very crucial, not only to understanding climate change and its impact on flow regimes in mountain regions, but also to the safeguarding of the wellbeing of those who live downstream of these glaciers and depend on this water for their livelihood.

The need for a worldwide inventory of existing perennial ice and snow masses was first considered during the International Hydrological Decade, declared by UNESCO for the period 1965–1974. More than half a century later, major progress has been made but gaps still remain in the monitoring and understanding of glacier systems in many mountainous regions.

The International Hydrological Programme (IHP) of UNESCO plays a key role, as a platform for scientific networking and cooperation, in contributing to the assessment and monitoring of changes in snow, glaciers, and water resources and in proposing options for adaptation.

The task undertaken by the World Glacier Monitoring Services (WGMS) to prepare the Global Glacier Change Bulletin is relevant and timely as it enhances the knowledge of the state of the glacier resources and also contributes to the IHP Strategy (IHP VIII, 2014–2021) on 'Water Security: Responses to Local Regional and Global Responses'. The publication is extremely applicable to the recent UNESCO-IHP Project 'The Impact of Glacier Retreat in the Andes: International Multidisciplinary Network for Adaptation Strategies'. It also provides information and a knowledge base to the IHP Snow and Ice Working Group in Latin America (Grupo de Trabajo de Nieves y Hielos).

IHP has already established a solid partnership with WGMS for various joint activities. During the Paris Climate Conference (COP21) in December 2015, WGMS and UNESCO-IHP jointly launched the wgms Glacier App for mobile devices. This aimed at bringing scientifically sound facts and figures on worldwide glacier changes to policymakers at governmental and intergovernmental levels as well as reaching out to the interested public. WGMS and UNESCO-IHP are collaborating in capacity building and twinning activities in Central Asia and Latin America.

I would also like to recall successful collaboration with WGMS for the publication of the UNESCO IHP Glossary of Glacier Mass Balance published as IHP Technical Series No. 86.

UNESCO-IHP takes great pride in its association and collaboration with WGMS for this very important publication, which not only provides a knowledge base on the status of glaciers worldwide but also represents a great contribution to IHP VIII. I would like to congratulate the team for their excellent work.

We look forward to further cooperation with WGMS.

Blanca Jiménez-Cisneros, Dr
Director, Division of Water Sciences
Secretary, International Hydrological Programme (IHP)
UNESCO

# Foreword by the WGMS Director

Glaciers around the globe continue to melt at rapid rates. In the time period covered by the present bulletin, the glaciers observed lost more than 0.9 m w.e. (water equivalent) per year, thus continuing the historically unprecedented ice loss observed since the turn of the century and amounting to double the ice loss rates of the 1990s (based on the 'reference' glacier sample). In 2014/15, the observed glaciers lost more than 1,100 litres of water reserve and this per square metre of ice cover. Glaciers are indeed key indicators and unique demonstration objects of ongoing climate change. Their rapid decline not only alters the visual landscape of mountain and polar regions, it also has a very real impact on local hazard situations, regional water cycles, and global sea levels.

For more than a century, glacier monitoring has been coordinated internationally by the WGMS and its predecessor organizations through a collaboration network of National Correspondents from countries active in glacier research. The initial focus on glacier front variations and Ice Age theories has developed into a comprehensive monitoring strategy for assessing global glacier distribution and changes in length, area, volume, and mass related to climate change. Glaciers are recognized as Essential Climate Variables and their monitoring has been internationally coordinated in recent years within the framework of the Global Terrestrial Network for Glaciers (GTN-G, http://www.gtn-g.org) under the Global Climate Observing System (GCOS) in support of the United Nations Framework Convention on Climate Change (UNFCCC).

The present Global Glacier Change Bulletin is the second issue of the new publication series merging the former Fluctuations of Glaciers (Vol. I–X) and Glacier Mass Balance Bulletin (No. 1–12) series. The primary focus is on glaciological mass balance observations that are complemented by geodetic volume changes and front variation series. It serves as an authoritative source of illustrated and commentated information on global glacier changes based on the latest operations from the scientific collaboration network of the WGMS. The Global Glacier Change Bulletin No. 2 reports the observations from balance years 2013/14 and 2014/15 as well as preliminary results from the 'reference' glaciers (with more than 30 years of ongoing measurements) for 2015/16. Overall, this report presents more than 7,000 lines of database entries from 621 glaciers measured by more than 400 Principal Investigators in 35 countries.

The compilation, analysis and dissemination of standardized data and information on glacier distribution and changes is the core task of the WGMS. In addition, it is worth noting the recent key achievements related to the present bulletin. The number of glaciers with more than 30 years of observations is growing. In this bulletin, Allalin and Giétro, CH, as well as Rainbow, US, are joining the list of 'reference' glaciers. At the same time, well observed glaciers have started to disintegrate (e.g. Caresèr, IT, Echaurren Norte, CL, Lewis, KE, Sarennes, FR, Stubacher Sonnblick and Wurten, AT) or already vanished (e.g. Chacaltaya, BO). Consequently, we revised and specified in more detail the criteria for receiving the status of a 'reference' glacier. The proposed framework for reanalyzing glacier mass balance series (Zemp et al., 2013) has been well accepted as good practice for validation and calibration (if necessary) of the glaciological with the geodetic balance results (e.g. Andreassen et al., 2016; Basantes-Serrano et al., 2016; Sold et al., 2016; Thomson et al., 2017; Wang et al., 2014). With the backing from the Swiss Agency for Development and Cooperation, it was possible to support glacier monitoring in the tropical Andes (Mölg et al., 2017; Rabatel et al., 2017) as well as to resume disrupted long-term monitoring programs from the Soviet times and extend the capacity building and twinning efforts in Central Asia (Hoelzle et al., 2017). Within the framework of ESA's Climate Change Initiative (CCI) and Europe's Copernicus Climate Change Service (C3S), the WGMS was able to start long-term efforts for improving and extending the global glacier inventory and to boost the compilation and computation of glacier volume changes using space-borne sensors.

Sincere thanks are extended to WGMS co-workers, National Correspondents, and Principal Investigators around the world and their sponsoring agencies at national and international levels for their long-term commitment to building up an unrivaled database which, despite its limitations, nevertheless remains an indispensable treasury of international snow and ice research, readily available to the scientific community and the public.

Michael Zemp, PD Dr
Director, World Glacier Monitoring Service

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Please note:
In the print version, the main part of the Bulletin and the Appendix are provided separately. Hardcopies including both parts are distributed to about 150 libraries worldwide. The electronic version includes both parts in one file.

# 1 INTRODUCTION

Internationally coordinated glacier monitoring began in 1894, with the periodic publication of compiled information on glacier fluctuations starting one year later (Forel, 1895). In the beginning, glacier monitoring focused mainly on observations of glacier front variations and after the late 1940s on glacier-wide mass balance measurements (Haeberli, 1998). Beginning with the introduction of the Fluctuations of Glaciers (FoG) series in the late 1960s (PSFG, 1967; WGMS, 2012, and volumes in between), standardized data on changes in glacier length, area, volume and mass have been published at pentadal intervals. At the beginning of the 1990s, the Glacier Mass Balance Bulletin series (WGMS, 1991; WGMS, 2013, and issues in between) was designed in order to speed up access to information on glacier mass balance at two-year intervals. Since the late 1980s, glacier fluctuation data have been organized in a relational database (Hoelzle & Trindler, 1998) and are available in electronic form through websites of the WGMS (http://www.wgms.ch) and GTN-G (http://www.gtn-g.org). The Fluctuations of Glaciers web browser and the wgms Glacier App were launched to provide easy access to global glacier change data and to increase the visibility of related observers, their sponsoring agencies, and the internationally coordinated glacier monitoring network.

In the 1990s, an international glacier monitoring strategy was drawn up for providing quantitative, comprehensive, and easily understandable information relating to questions about process understanding, change detection, model validation and environmental impacts with an interdisciplinary knowledge transfer to the scientific community as well as to policymakers, the media and the public (Haeberli et al., 2000; Haeberli, 1998). This strategy has five tiers:

1. organizing glacier monitoring as a multi-component system across environmental gradients, thereby integrating glacier-wide observations at the following levels;
2. extensive glacier mass balance and flow studies within major climatic zones for improved process understanding and calibration of numerical models;
3. determination of glacier mass balance using cost-saving methodologies within major mountain systems to assess the regional variability;
4. long-term observations of glacier length changes and remotely sensed volume changes for large glacier samples within major mountain ranges for assessing the representativeness of mass balance measurement series; and
5. glacier inventories repeated at time intervals of a few decades by using remotely sensed data.

Based on this strategy, the monitoring of glaciers has been internationally coordinated within the framework of GTN-G under the Global Climate Observing System (GCOS) in support of the United Nations Framework Convention on Climate Change (UNFCCC). The GTN-G is run by the WGMS in close collaboration with the U.S. National Snow and Ice Data Center (NSIDC) and the Global Land Ice Measurements from Space (GLIMS) initiative. The WGMS is a permanent service of the International Association of Cryospheric Sciences of the International Union of Geodesy and Geophysics (IACS/IUGG) and of the World Data System within the International Council of Science (WDS/ICSU) and operates under the auspices of the United Nations Environment Programme (UNEP), United Nations Educational, Scientific and Cultural Organization (UNESCO), and the World Meteorological Organization (WMO).

To further document the evolution and to clarify the physical processes and relationship involved in global glacier changes, the WGMS collects standardized information on changes in glacier length, area, volume, and mass through annual calls-for-data. In accordance with an agreement between the international organizations and the countries involved, a one-year retention period is granted to allow investigators time to properly analyze, document, and publish their observations before making them available. In 2014, a near-time reporting was introduced for the official ‘reference‘ glaciers (with more than 30 years of continued mass balance observations) in agreement with the responsible Principal Investigators. This allows the WGMS to report preliminary mass balance estimates as soon as a few months after the end of the corresponding observation period. All submitted data are considered public domain and are made available in print and digital form through the WGMS at no cost under the requirement of appropriate citation.

The new Global Glacier Change Bulletin series merges the former Fluctuations of Glaciers (Vol. I–X) and Glacier Mass Balance Bulletin (No. 1–12) series. It aims to provide an integrative assessment of global glacier changes every two years. In this process, the main focus is on mass balance measurements based on the glaciological method (cf. Cogley et al., 2011). This method provides quantitative results at high temporal resolution, which are essential for understanding climate-glacier processes and for allowing the spatial and temporal variability of the glacier mass balance to be captured, even with only a small sample of observation points. The glaciological observations are complemented by results from the geodetic method (cf. Cogley et al., 2011) to extend the balance sample in space and time. The geodetic method provides overall glacier volume changes over a longer time period by repeat mapping from ground, air- or spaceborne surveys and subsequent differencing of glacier surface elevations. It is recommended to periodically validate and calibrate annual glaciological mass balance series with decadal geodetic balances to detect and remove systematic biases (Zemp et al., 2013). In addition, glacier front variation series are reported for the documentation of clearly visibly glacier reactions to mass changes and for extending observations of glacier fluctuations back in time.

The Global Glacier Change Bulletin No. 2 is organized in three main sections: global summary, regional summaries, and detailed information for selected glaciers. The global summary provides an overview of reported data and of glaciological balance results for the observation periods 2013/14 and 2014/15, including preliminary values for the ‘reference glaciers‘ based on the near-time reporting for 2015/16. This first section contains a global map of available glacier fluctuation data, tables with key statistics on reported data and glaciological balance results as well as a set of global figures summarizing reported data and results of changes in glacier mass, volume and length. The second section consists of standardized facts and figures on glacier changes for all glacierized regions of the world, each supplemented with mass balance and front variation series of selected glaciers. The third section contains detailed information for selected glaciers to provide an insight into the results of the glaciological method. In addition, a list is included naming all Principal Investigators and their sponsoring agencies for the observation periods of the current bulletin as well as of all National Correspondents as of 2017. Data tables with the results for the observation periods of the current bulletin are given in the Appendix. The full report including the data Appendix is made available in digital format on the WGMS website as well as being printed and shipped to libraries around the world as a long-term guarantee for data availability. Full access to the latest and earlier versions of the database, including addenda from earlier years, can be accessed through a data browser on the WGMS website (http://www.wgms.ch).

# 2 GLOBAL SUMMARY

Pioneer surveys of accumulation and ablation of snow, firn and ice at isolated points date back to the end of the 19th century and the beginning of the 20th century (e.g., Mercanton, 1916). In the 1920s and 1930s, short-term observations (up to one year) were carried out at various glaciers in the Nordic countries. Continuous, modern series of annual/seasonal measurements of glacier-wide mass balance were started in the late 1940s in Sweden, Norway, and in western North America, followed by a growing number of glaciers in the European Alps, North America, and other glacierized regions. In the meantime, more than 6,500 glaciological mass balance observations from 450 glaciers have been collected and made available by the WGMS.

For the observation periods covering the hydrological years 2013/14 and 2014/15, 316 annual mass balance observations were compiled based on 166 glaciers worldwide. Of these observations, 73%, 55%, and 46% were reported including seasonal mass balance, mass distribution with elevation, and point measurements, respectively. In addition, 27 geodetic thickness changes and 889 front variations were reported from 23 and 528 glaciers, respectively, for these two observation periods. A global overview of available glacier change data is shown in Figure 2.1. Reported data for the observation periods covered by the present bulletin are given in Table 2.1. In addition, preliminary balance estimates for 2015/16 are given as reported for the 'reference' glaciers.

Table 2.1 Annual mass balances for the observation periods 2013/14 and 2014/15 as well as preliminary values (*) for ‚reference' glaciers (highlighted in grey) for 2015/16. Abbreviations and units: PU = political unit; B14, B15, B16 in mm w.e.; BwBs = winter and summer balances; ELA = equilibrium line altitude; AAR = accumulation area ratio; B elevation = balance-elevation distribution; b point = point balances; FV = front variations reported (x) for current observation periods; TC (since 2006) = thickness changes from geodetic surveys of the past decade. For the current observation periods no data were reported for the following 'reference' glaciers: Leviy Aktru, Maliy Aktru, No. 125 (Vodopadniy), RU.

| PU | Glacier name | 1st/last/nr years | B14 | B15 | B16* | BwBs | ELA-AAR | B elevation | b point | FV | TC (since 2006) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AQ | Bahía del Diablo | 2000/2015/16 | 190 | 25 | | o | x | x | x | x | x |
| AQ | Hurd | 2002/2016/15 | 400 | 560 | | x | x | o | o | o | o |
| AQ | Johnsons | 2002/2016/15 | 590 | 750 | | x | x | o | o | o | o |
| AR | Brown Superior | 2008/2015/08 | -1359 | -2387 | | x | x | x | x | x | x |
| AR | Conconta Norte | 2008/2015/08 | -1783 | -2890 | | x | x | x | x | x | x |
| AR | Los Amarillos | 2008/2015/08 | -950 | -1097 | | x | x | x | x | x | x |
| AR | Martial Este | 2001/2015/15 | 566 | -157 | | x | x | x | x | o | o |
| AT | Goldbergkees | 1989/2014/26 | 519 | | | x | o | o | o | x | o |
| AT | Hallstätter Gletscher | 2007/2015/09 | -274 | -2054 | | x | x | x | o | x | o |
| AT | Hintereisferner | 1953/2016/64 | -122 | -1682 | -1263 | x | x | x | x | x | x |
| AT | Jamtalferner | 1989/2015/27 | -572 | -2016 | | x | x | x | o | x | x |
| AT | Kesselwandferner | 1953/2016/64 | 459 | -1169 | -500 | o | x | x | x | o | x |
| AT | Kleinfleisskees | 1999/2014/16 | 0 | | | x | o | o | o | x | o |
| AT | Obersulzbachkees | 2013/2015/03 | -152 | -1567 | | x | x | x | o | o | o |
| AT | Pasterze | 1980/2015/29 | -509 | -1434 | | o | x | x | o | x | o |
| AT | Stubacher Sonnblickkees[1] | 1946/2016/71 | 274 | -2734 | | o | x | o | o | x | o |
| AT | Vernagtferner | 1965/2016/52 | -144 | -1268 | -781 | o | x | x | o | x | x |
| AT | Wurtenkees[2] | 1983/2015/33 | -380 | -1275 | | o | x | x | x | x | o |

| PU | Glacier name | 1st/last/nr years | B14 | B15 | B16* | BwBs | ELA-AAR | B elevation | b point | FV | TC (since 2006) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AT | Zettalunitz/ Mullwitzkees | 2007/2015/09 | 117 | -1599 | | x | x | x | o | x | o |
| BO | Chacaltaya[3] | 1992/2008/17 | | | | | | | | | |
| BO | Charquini Sur | 2003/2015/13 | -310 | 78 | | o | x | x | x | o | x |
| BO | Zongo | 1992/2015/24 | -97 | 368 | | o | x | x | x | x | x |
| CA | Devon Ice Cap NW | 1961/2016/56 | -246 | -395 | -483 | x | x | o | x | o | o |
| CA | Helm | 1975/2015/39 | | -2500 | | o | x | o | o | o | o |
| CA | Meighen Ice Cap | 1960/2015/56 | 57 | -892 | -775 | x | x | o | x | o | o |
| CA | Melville South Ice Cap | 1963/2015/53 | -159 | -1148 | -782 | x | x | o | x | o | o |
| CA | Peyto | 1966/2016/50 | -1630 | -1538 | -1844 | o | x | o | o | o | o |
| CA | Place | 1965/2016/51 | | -1590 | -1330 | o | x | o | o | o | o |
| CA | White | 1960/2015/53 | -417 | -693 | | o | x | x | x | o | x |
| CH | Adler | 2006/2015/10 | 230 | -378 | | x | x | x | x | o | x |
| CH | Allalin | 1956/2015/60 | 77 | -656 | | x | x | x | x | x | x |
| CH | Basòdino | 1992/2015/24 | -250 | -1345 | | x | x | x | x | x | x |
| CH | Claridenfirn[4] | 1915/2015/101 | -501 | -1362 | | x | x | x | x | o | o |
| CH | Corbassière | 1997/2015/19 | -221 | -1449 | | x | x | x | x | x | x |
| CH | Corvatsch South[5] | 2014/2015/02 | 120 | -1643 | | x | x | x | x | o | o |
| CH | Findelen | 2005/2015/11 | 159 | -606 | | x | x | x | x | x | x |
| CH | Giétro | 1967/2015/49 | -198 | -1271 | | x | x | x | x | x | x |
| CH | Gries | 1962/2016/55 | -610 | -1713 | -1200 | x | x | x | x | x | x |
| CH | Hohlaub | 1956/2015/60 | -53 | -1010 | | x | x | x | x | x | x |
| CH | Murtèl[5] | 2013/2015/03 | 427 | -902 | | x | x | x | x | o | x |
| CH | Pizol[5] | 2007/2015/09 | -1223 | -1501 | | x | x | x | x | x | x |
| CH | Plaine Morte | 2010/2015/06 | -958 | -2395 | | x | x | x | x | x | o |
| CH | Rhone | 1885/2015/34 | -383 | -1083 | | x | x | x | x | x | x |
| CH | Sankt Anna[5] | 2012/2015/04 | -438 | -1477 | | x | x | x | x | x | x |
| CH | Schwarzbach[5] | 2013/2015/03 | -541 | -1258 | | x | x | x | x | o | x |
| CH | Schwarzberg | 1956/2015/60 | -9 | -1331 | | x | x | x | x | x | x |
| CH | Sex Rouge[5] | 2012/2015/04 | -613 | -2213 | | x | x | x | x | x | x |
| CH | Silvretta | 1919/2016/98 | -950 | -1649 | -600 | x | x | x | x | x | x |
| CH | Tsanfleuron | 2010/2015/06 | -642 | -2744 | | x | x | x | x | x | x |
| CL | Amarillo[5] | 2008/2015/08 | -1319 | -1393 | | x | x | x | x | x | x |
| CL | Echaurren Norte[6] | 1976/2016/41 | -940 | -1720 | -2284 | x | o | o | o | o | o |
| CL | Guanaco | 2004/2015/12 | -880 | -1130 | | x | o | o | o | x | o |
| CN | Parlung No. 94 | 2006/2015/10 | -1116 | -653 | | o | x | x | x | x | o |
| CN | Urumqi Glacier No. 1[7] | 1959/2016/58 | -185 | -815 | -1017 | x | x | x | o | x | o |
| CN | Urumqi Glacier No. 1 E-Branch | 1988/2015/28 | -228 | -932 | | x | x | x | x | x | o |
| CN | Urumqi Glacier No. 1 W-Branch | 1988/2015/28 | -109 | -607 | | x | x | x | x | x | o |
| CO | Conejeras[6] | 2006/2015/10 | -4082 | -5599 | | o | x | x | x | x | x |
| CO | Ritacuba Blanco | 2009/2015/07 | -119 | -887 | | o | x | x | x | x | x |
| EC | Antizana 15 Alpha | 1995/2015/21 | -267 | -305 | | o | x | x | o | x | o |
| ES | Maladeta[6] | 1992/2016/25 | 78 | -1760 | | x | x | x | o | x | x |
| FR | Argentière | 1976/2015/40 | -720 | -2480 | | o | o | o | o | x | x |
| FR | Gébroulaz | 1995/2015/21 | -270 | -2080 | | o | o | o | o | o | o |

| PU | Glacier name | 1st/last/nr years | B14 | B15 | B16* | BwBs | ELA-AAR | B elevation | b point | FV | TC (since 2006) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FR | Ossoue[6] | 2002/2015/14 | -310 | -2280 | | x | x | o | o | x | o |
| FR | Saint Sorlin | 1957/2015/59 | -1340 | -2980 | | o | o | o | o | x | o |
| FR | Sarennes[6] | 1949/2016/68 | -1910 | -3420 | -1510 | x | x | o | o | o | o |
| FR | Tré la Tête | 2014/2015/02 | -460 | -1910 | | o | x | o | x | x | x |
| GL | Freya | 2008/2015/08 | 394 | 97 | | x | x | x | x | o | o |
| GL | Mittivakkat | 1996/2016/21 | -1200 | 200 | | x | x | x | x | x | o |
| GL | Qasigiannguit | 2013/2015/03 | -324 | 217 | | x | x | x | x | o | o |
| IN | Chhota Shigri | 1987/2014/14 | -80 | | | o | x | o | o | o | x |
| IS | Brúarjökull | 1993/2015/23 | -34 | 1044 | | x | x | o | o | o | x |
| IS | Dyngjujökull | 1992/2015/18 | 171 | 1469 | | x | x | o | o | o | o |
| IS | Eyjabakkajökull | 1991/2015/24 | -353 | 734 | | x | x | o | o | o | o |
| IS | Hofsjökull E | 1989/2016/28 | -990 | 850 | | x | x | o | x | o | x |
| IS | Hofsjökull N | 1988/2015/28 | -950 | 430 | | x | x | o | o | o | o |
| IS | Hofsjökull SW | 1990/2015/26 | -990 | 1380 | | x | x | o | o | o | o |
| IS | Köldukvíslarjökull | 1992/2015/22 | -877 | 1074 | | x | x | o | o | o | o |
| IS | Langjökull Ice Cap | 1997/2015/19 | -1950 | 413 | | x | x | o | o | o | x |
| IS | Tungnárjökull | 1986/2015/24 | -1535 | 196 | | x | x | o | o | x | o |
| IT | Calderone[5] | 1995/2015/21 | 626 | | | x | x | o | x | x | x |
| IT | Campo settentrionale[6] | 2010/2015/06 | 37 | -1799 | | o | x | o | x | o | x |
| IT | Caresèr[6] | 1967/2016/50 | -131 | -2475 | -1748 | x | x | x | x | o | o |
| IT | Ciardoney[6] | 1992/2015/24 | -560 | -1831 | | x | x | x | o | x | o |
| IT | Fontana Bianca/ Weissbrunnferner | 1984/2016/32 | 467 | -1291 | | x | x | x | x | x | o |
| IT | Grand Etret | 2000/2015/13 | -569 | -1791 | | x | x | o | x | x | o |
| IT | Vedretta de la Mare | 2003/2015/13 | 830 | -1315 | | x | x | x | o | x | o |
| IT | Lunga/Langenferner | 2004/2015/12 | 442 | -1727 | | x | x | x | x | x | x |
| IT | Lupo | 2010/2015/06 | 1369 | -1561 | | x | x | o | x | o | x |
| IT | Malavalle/ Übeltalferner | 2002/2016/15 | 34 | -1213 | | x | x | x | x | x | o |
| IT | Pendente/ Hangender Ferner. | 1996/2016/21 | -11 | -1500 | | x | x | x | x | x | o |
| IT | Vedretta occ. di Ries/ Westlicher Rieserferner | 2009/2016/08 | 146 | -1622 | | x | x | x | x | x | o |
| IT | Suretta meridionale[6] | 2010/2015/06 | 378 | -909 | | x | x | o | x | o | x |
| IT | Timorion | 2001/2015/15 | -155 | -1470 | | x | x | o | o | x | o |
| JP | Hamaguri Yuki[5] | 1967/2015/49 | | -329 | | x | o | o | o | o | o |
| KE | Lewis[6] | 1979/2014/22 | -934 | | | o | x | x | x | o | x |
| KG | Abramov | 1968/2015/35 | -665 | -33 | | x | x | x | x | x | o |
| KG | Batysh Sook/Syek Zapadniy | 1971/2015/10 | -435 | -499 | | x | x | x | x | x | o |
| KG | Glacier No. 354 (Akshiyrak) | 2011/2015/05 | -675 | -635 | | x | x | x | x | x | x |
| KG | Glacier No. 599 (Kjungei Ala-Too) | 2015/2015/01 | | -62 | | o | x | x | x | o | o |
| KG | Golubin | 1969/2015/31 | -1999 | -671 | | x | x | x | x | x | x |
| KG | Kara-Batkak | 1957/2016/45 | -950 | -880 | | x | x | x | o | x | o |
| KG | Sary Tor (Glacier No. 356) | 1985/2016/07 | | -820 | | x | x | x | o | x | o |
| KZ | Ts. Tuyuksuyskiy | 1957/2016/60 | -1088 | -756 | 561 | x | x | x | x | x | o |

| PU | Glacier name | 1st/last/nr years | B14 | B15 | B16* | BwBs | ELA-AAR | B elevation | b point | FV | TC (since 2006) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NO | Ålfotbreen | 1963/2016/54 | -1653 | 1399 | -640 | x | x | x | o | o | x |
| NO | Austdalsbreen | 1988/2015/28 | -1352 | 722 | | x | x | x | o | o | x |
| NO | Blomstølskardsbreen | 2007/2015/09 | -80 | 1990 | | x | x | x | o | x | o |
| NO | Engabreen | 1970/2016/47 | -971 | 624 | -260 | x | x | x | o | x | x |
| NO | Gråsubreen | 1962/2016/55 | -1168 | 294 | -510 | x | o | x | o | o | x |
| NO | Hansebreen | 1986/2015/30 | -2113 | 1007 | | x | x | x | o | o | x |
| NO | Hellstugubreen | 1962/2016/55 | -1220 | 487 | -340 | x | x | x | o | x | x |
| NO | Langfjordjøkelen | 1989/2015/25 | -780 | -797 | | x | x | x | o | x | x |
| NO | Nigardsbreen | 1962/2016/55 | -343 | 1715 | 490 | x | x | x | o | x | x |
| NO | Rembesdalskåka | 1963/2016/54 | -1294 | 1183 | -390 | x | x | x | o | x | x |
| NO | Rundvassbreen | 2002/2015/08 | -790 | -20 | | x | x | x | o | x | o |
| NO | Storbreen | 1949/2016/68 | -1167 | 486 | -1020 | x | x | x | o | x | x |
| NO | Svelgjabreen | 2007/2015/09 | -457 | 1835 | | x | x | x | o | x | o |
| NP | Mera | 2008/2015/08 | -200 | -20 | | o | x | o | o | o | o |
| NP | Pokalde | 2010/2015/06 | -1230 | -700 | | o | x | o | o | o | o |
| NP | Rikha Samba | 1999/2015/05 | -451 | -525 | | o | x | o | o | o | x |
| NP | West Changri Nup | 2011/2015/05 | -1330 | -1280 | | o | x | o | o | o | x |
| NP | Yala | 2012/2015/04 | -642 | -903 | | o | x | x | o | x | x |
| NZ | Brewster | 2005/2015/11 | 470 | 215 | | x | x | o | o | x | o |
| NZ | Rolleston | 2011/2015/05 | -38 | 657 | | x | x | o | x | o | o |
| PE | Artesonraju | 2005/2015/11 | -341 | -372 | | o | x | x | o | x | o |
| PE | Yanamarey | 1978/2015/21 | -1407 | -563 | | o | x | x | o | x | o |
| RU | Djankuat | 1968/2016/49 | -1370 | -1010 | -730 | x | o | o | o | o | o |
| RU | Garabashi | 1984/2014/31 | -920 | | | x | x | x | o | o | o |
| RU | Leviy Aktru | 1977/2012/36 | | | | o | o | o | o | o | o |
| RU | Maliy Aktru | 1962/2012/51 | | | | o | o | o | o | o | o |
| RU | Vodopadniy (No. 125) | 1977/2012/36 | | | | o | o | o | o | o | o |
| SE | Mårmaglaciären | 1990/2016/26 | -1370 | 20 | | x | x | x | o | x | o |
| SE | Rabots glaciär | 1946/2015/32 | | -43 | | x | x | x | o | o | o |
| SE | Riukojietna | 1986/2015/27 | | 40 | | x | x | x | o | o | o |
| SE | Storglaciären | 1946/2016/71 | -890 | 640 | -240 | x | x | x | o | o | o |
| SE | Tarfalaglaciären | 1986/2015/20 | | 610 | | x | x | x | o | o | o |
| SJ | Austre Brøggerbreen | 1967/2015/49 | 10 | -610 | | x | x | o | o | o | o |
| SJ | Austre Lovénbreen | 2008/2014/07 | 10 | | | x | x | o | o | x | o |
| SJ | Hansbreen[8] | 1989/2015/25 | -277 | -436 | | x | x | x | o | x | o |
| SJ | Irenebreen | 2002/2015/14 | -687 | -1335 | | o | x | o | o | o | o |
| SJ | Kongsvegen[8] | 1987/2015/29 | 140 | -160 | | x | x | o | o | o | o |
| SJ | Kronebreen[8] | 2003/2015/07 | 80 | -60 | | x | x | o | o | o | o |
| SJ | Midtre Lovénbreen | 1968/2015/48 | 30 | -450 | | x | x | o | o | o | o |
| SJ | Waldemarbreen | 1995/2015/21 | -576 | -1439 | | o | x | o | x | o | o |
| SJ | Werenskioldbreen | 1980/2015/06 | 366 | -705 | | x | x | x | o | o | o |
| US | Blue Glacier | 1956/2015/46 | -1410 | -2300 | | x | x | o | x | o | x |
| US | Columbia (2057) | 1984/2016/33 | -500 | -3480 | -1180 | o | x | x | o | x | o |
| US | Daniels | 1984/2016/33 | -550 | -3080 | | o | x | o | o | o | o |
| US | Easton | 1990/2016/27 | -1300 | -2780 | | o | x | o | o | x | o |
| US | Eel[6] | 2014/2015/02 | -70 | -3740 | | x | x | o | x | o | x |

| PU | Glacier name | 1st/last/nr years | B14 | B15 | B16* | BwBs | ELA-AAR | B elevation | b point | FV | TC (since 2006) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| US | Eklutna | 1986/2015/11 | -840 | -1340 | | x | o | o | o | o | x |
| US | Eklutna East Branch | 2008/2015/08 | -850 | -1320 | | x | o | o | o | o | x |
| US | Eklutna West Branch | 2008/2015/08 | -820 | -1370 | | x | o | o | o | o | x |
| US | Emmons | 2003/2015/11 | -1330 | -1260 | | x | x | o | x | o | o |
| US | Gulkana | 1966/2016/51 | -300 | -1500 | -1400 | x | o | o | x | o | o |
| US | Ice Worm | 1984/2016/33 | -320 | -3250 | | o | x | o | o | o | o |
| US | Lemon Creek | 1953/2016/64 | -1825 | -2270 | -1200 | o | x | x | o | x | o |
| US | Lower Curtis | 1984/2016/33 | -1350 | -3400 | | o | x | o | o | x | o |
| US | Lynch | 1984/2016/33 | -850 | -2850 | | o | x | o | o | o | o |
| US | Nisqually9 | 2003/2015/11 | -650 | -840 | | x | x | o | x | o | o |
| US | Noisy Creek | 1993/2015/23 | -180 | -3550 | | x | x | o | x | o | o |
| US | North Klawatti | 1993/2015/23 | -210 | -2300 | | x | x | o | x | o | o |
| US | Rainbow | 1984/2016/33 | -1940 | -3450 | -880 | o | x | o | o | o | o |
| US | Sandalee | 1994/2015/22 | -220 | -2000 | | x | x | o | x | o | o |
| US | Sholes | 1990/2016/27 | -1530 | -3050 | | o | x | o | o | x | o |
| US | Silver | 1993/2015/23 | -270 | -1060 | | x | x | o | x | o | o |
| US | South Cascade | 1953/2015/60 | | -2717 | | x | o | o | x | x | o |
| US | Sperry | 2005/2015/11 | 60 | -1220 | | x | o | o | x | o | o |
| US | Taku10 | 1946/2016/71 | -600 | -860 | | o | x | o | o | o | o |
| US | Wolverine | 1966/2016/51 | -1500 | -700 | -400 | x | o | o | x | o | o |
| US | Yawning6 | 1984/2016/33 | -1650 | -3360 | | o | x | o | o | o | o |

1 = based on Ba-AAR regression from 1963/64 to 1979/80

2 = influenced by strong glacier disintegration and artificial snow management

3 = glacier vanished in 2009

4 = balances include estimates for dry calving

5 = glacieret (cf. Cogley et al., 2011)

6 = influenced by strong glacier disintegration

7 = In 1993, Urumqi Glacier No. 1 is divided into two parts: the East Branch and the West Branch.

8 = glacier influenced by calving

9 = calculated based on ablation and accumulation measurements on Nisqually and adjacent glaciers

10 = The mass balance of this tidewater glacier is determined by a combination of (i) snowpit, (ii) ablation stake measurements, (iii) observations of the transient snowline, and the ELA.

Climate (change)-related trend analysis is, in the ideal case, based on long-term measurement series. Continuous glaciological mass balance records for more than 30 continuous observation years are now available for a set of 41 ‘reference‘ glaciers. These glaciers have well-documented and long-term mass balance programmes based on the direct glaciological method (cf. Østrem & Brugman, 1991; Cogley et al., 2011) and are not dominated by non-climatic drivers such as calving or surge dynamics. Furthermore, it is recommended that these glaciological results be validated and, if necessary, calibrated with independent results from the geodetic method (cf. Zemp et al., 2013). In collaboration with the GTN-G Advisory Board, the criteria for receiving the status of a ‘reference‘ glacier have been revised in 2017 providing more details with regard to preconditions, length of time series, observational gaps, detailed information, validation and calibration. Results from this sample of glaciers in North and South America and Eurasia are summarized in Table 2.2.

Table 2.2 Summarized mass balance data. A statistical overview of the results of the ‘reference’ glacier sample is given for the three recent reporting periods 2014, 2015 and 2016* (upper table) in comparison with corresponding values averaged for the decades 1981–1990, 1991–2000 and 2001–2010 (lower table). All annual balance values in mm w.e.; * = preliminary values

| | 2013/14 | 2014/15 | 2015/16* |
|---|---|---|---|
| mean specific (annual) mass balance | -751 | -1136 | -805 |
| standard deviation | 661 | 1356 | 638 |
| minimum value | -1940 | -3480 | -2284 |
| maximum value | 459 | 1715 | 561 |
| nr of positive/reported balances | 5/35 | 8/38 | 2/26 |
| mean AAR | 39 % | 29 % | 23 % |

| decadal averages of: | 1981–1990 | 1991–2000 | 2001–2010 |
|---|---|---|---|
| mean specific (annual) mass balance | -259 | -425 | -764 |
| standard deviation | 746 | 801 | 871 |
| minimum | -1941 | -2509 | -2940 |
| maximum | 1861 | 1336 | 956 |
| avg nr of positive/reported balances | 13/40 | 10/41 | 7/41 |
| mean AAR | 49 % | 46 % | 36 % |

Taking the two years of this reporting period and preliminary results for 2015/16 (from the near-time reporting) together, the mean annual mass balance was -0.90 m w.e. per year. This is 20% more negative than the mean annual mass balance for the first decade of the 21st century (2001–2010: -0.76 m w.e. per year) which has been without precedent on a global scale, at least for the time period with available observations (Zemp et al., 2015). Since the turn of the century, the maximum mass loss of the 1980–2000 time period (observed in1997/98) has been exceeded four times: in 2002/03, 2005/06, 2010/11 and again in 2014/15. The percentage of positive annual mass balances decreased from 33% in the 1980s to below 20% (2013/14–2015/16), and there have been no more years with a positive mean balance for four decades. The melt rate and cumulative loss in glacier thickness continues to be extraordinary. Furthermore, the analysis of mean AAR values shows that the glaciers are in strong and increasing imbalance with the climate and hence will continue to lose mass even if climate remains stable (Mernild et al., 2013).

The arithmetic mean of the ‘reference‘ glaciers included in the analysis is based on a small sample and influenced by the large proportion of Alpine and Scandinavian glaciers. Therefore, mean values are also calculated for (i) all mass balances available, independent of record length, and (ii) using only one single value (averaged) for each of the 19 regions (cf. GTN-G, 2017). Looking at the regional average of the ‘reference’ glaciers, the year 2014/15 resulted in the most negative reported balance with more than 1.1 m

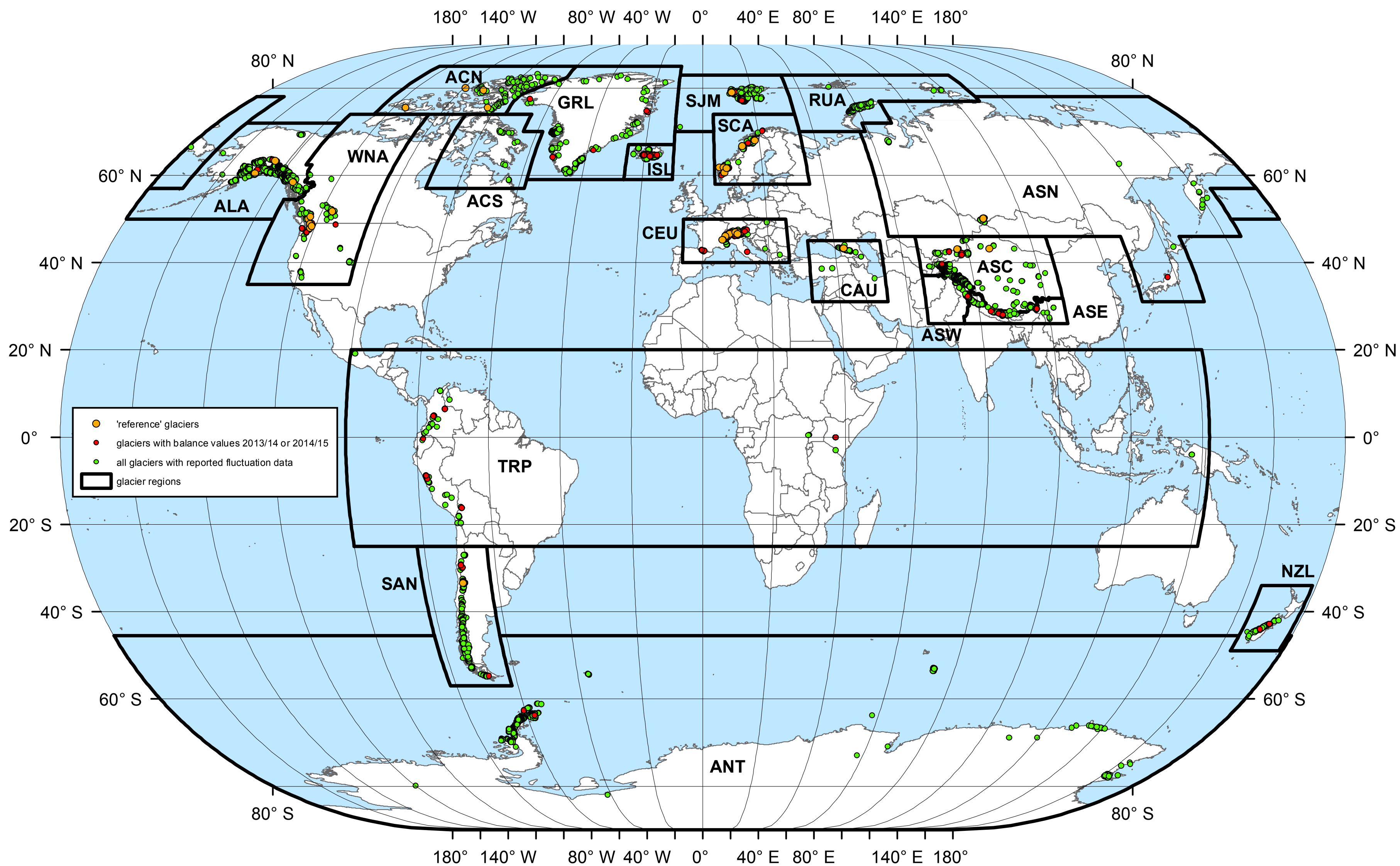



Figure 2.1 Location of the 9,500 glaciers for which fluctuation data or special events are available from the WGMS. This overview includes 166 glaciers with reported mass balance data for the observation periods 2013/14 and 2014/15, and 41 ‘reference‘ glaciers with well-documented and independently calibrated, long-term mass balance programmes based on the glaciological method. The glacier regions are based on GTN-G (2017).

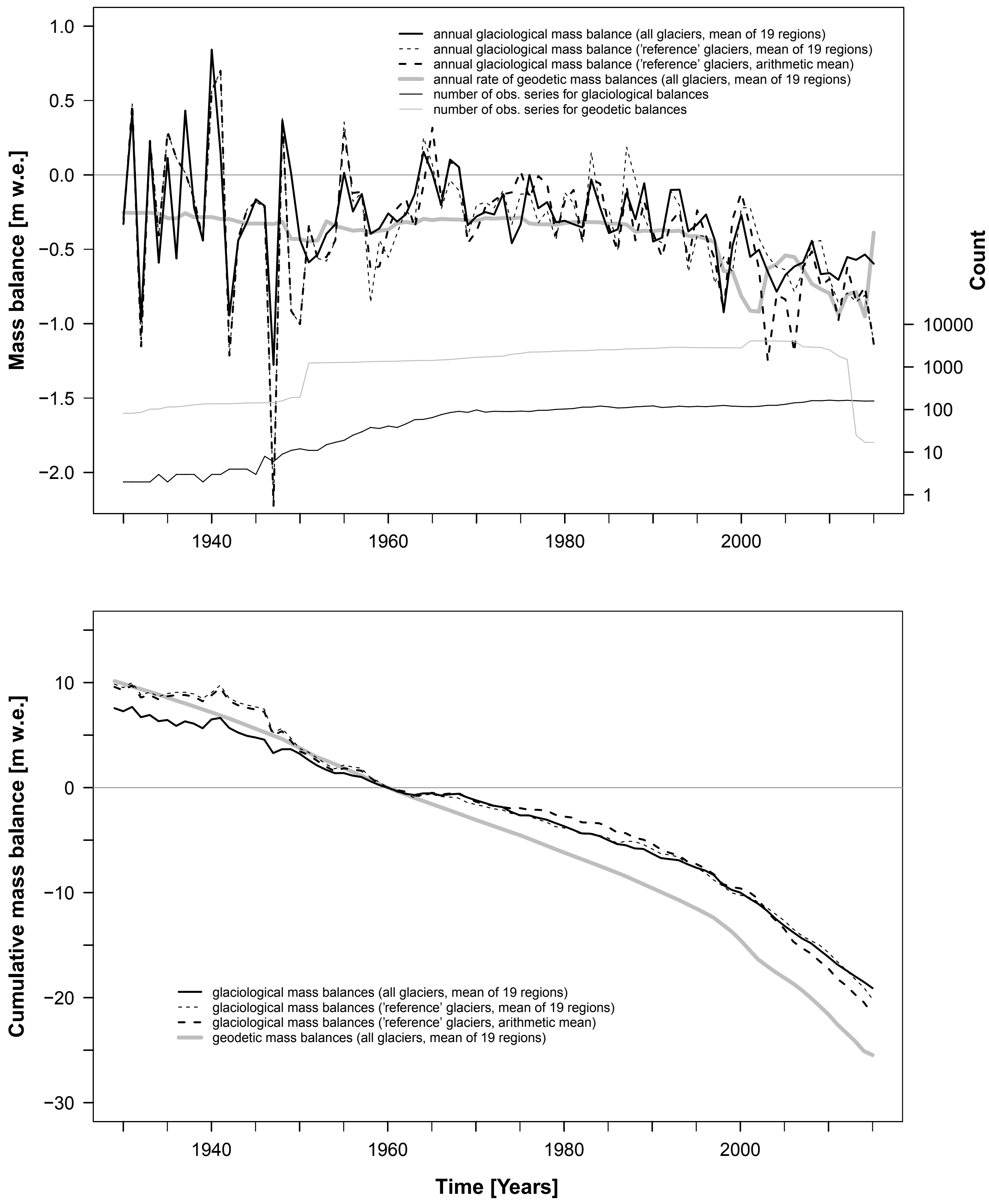



Figure 2.2 Global averages of observed mass balances from 1930 to 2015. Annual glaciological balances (m w.e.) and annual rates of geodetic balances (m w.e. $a^{-1}$) are shown together with the corresponding number of observed glaciers (upper graph). Cumulative annual averages relative to 1960 (lower graph). Geodetic balances were calculated assuming a glacier-wide average density of 850 kg $m^{-3}$. Note that the strong variability in the glaciolgocal data before 1960 and in the geodetic data after 2012 is due to the small sample size.

w.e. of annual average ice loss, and this in spite of several regions reporting positive balances. Note that extreme balance values before the 1960s are strongly influenced by the very small sample size. Looking at the arithmetic mean, 2014/15 is one of the most negative balance years together with 2002/03 and 2005/06,

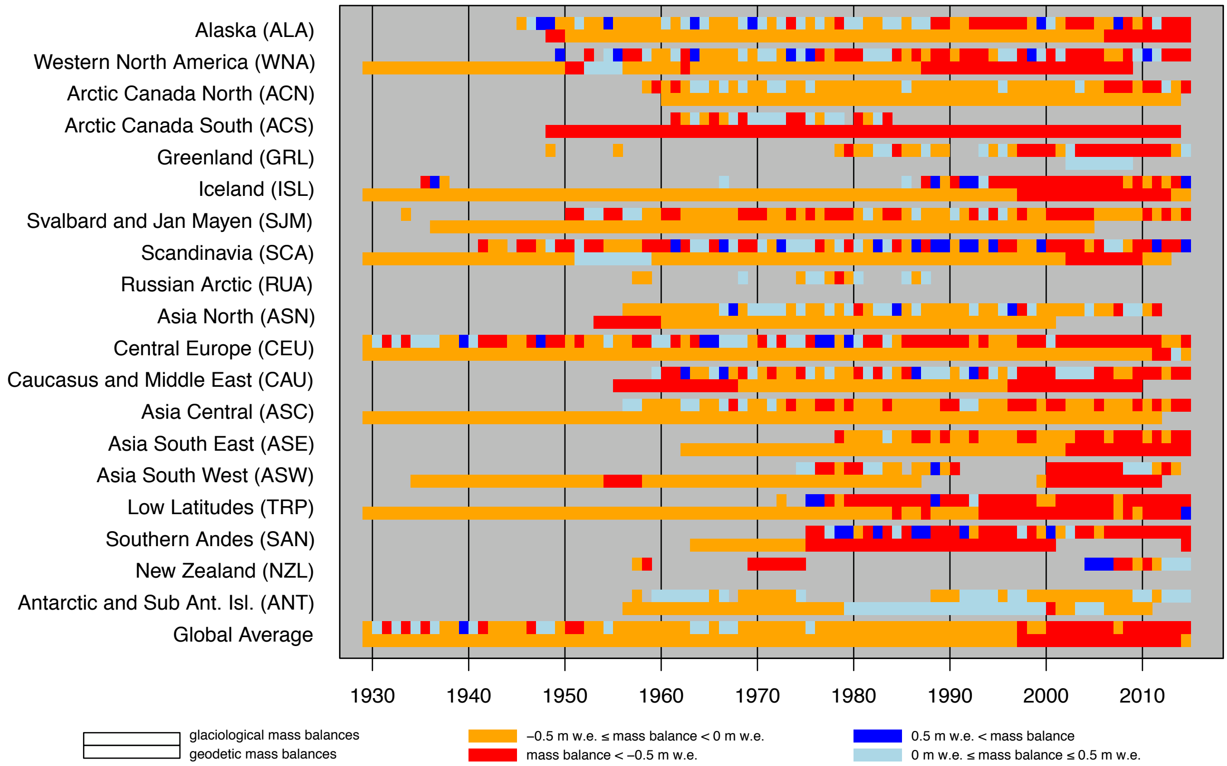



Figure 2.3 Regional mass balances 1930–2015. Annual glaciological balances (m w.e.) and annual rates of geodetic balances (m w.e. $a^{-1}$) are shown for 19 glacier regions and for the global average. Geodetic balances were calculated assuming a glacier-wide average density of 850 kg $m^{-3}$.

which were influenced by very negative balances reported from the large sample of European glaciers. Figure 2.2 shows the number of reported observation series as well as annual and cumulative results for all three means. In their general trend and magnitude, all three averages relate quite closely to each other and are in good agreement with the results from a moving-sample averaging of all available data (cf. Kaser et al., 2006; Zemp et al., 2009; Zemp et al., 2015). The global average cumulative mass balance indicates a strong mass loss in the first decade after the start of measurements in 1946 (though based on few observation series only), slowing down in the second decade (1956–1965; based on observations above 30° N only), followed by a moderate ice loss between 1966 and 1985 (with data from the Southern Hemisphere only since 1976) and a subsequent acceleration of mass loss until the present (2015).

The geodetic method (cf. Cogley et al., 2011) provides overall glacier volume changes over a longer time period by repeat mapping from ground, air- or spaceborne surveys and subsequent differencing of glacier surface elevations. The geodetic results allow the glaciological sample to be extended in both space and time (Figures 2.2, 2.3). The difference in survey periods between the glaciological and the geodetic data becomes manifest in the variability of the two graphs: a smooth line with step changes towards more negative balances for the geodetic sample, and a strong variability with a negative trend for the glaciological observations. Overall, the results from both methods match with regard to the increased ice loss towards the early 21st century.

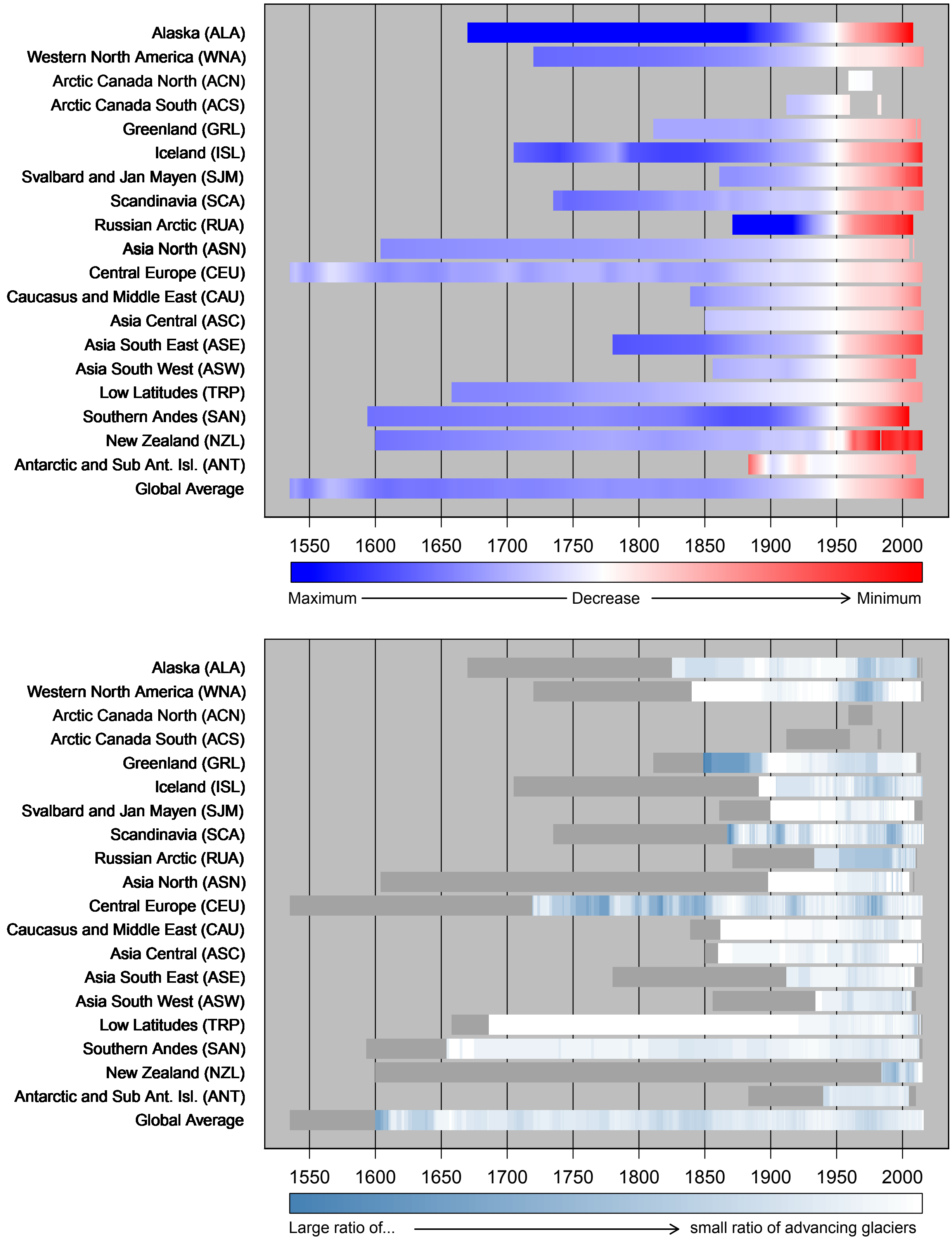



Figure 2.4 Global front variation observations from 1535 to 2015. (a) Qualitative summary of cumulative mean annual front variations. The colours range from dark blue for maximum extents (+2.5 km) to dark red for minumum extents (-1.6 km) relative to the extent in 1950 as a common reference (i.e. 0 km in white). (b) Qualitative summary of the ratio of advancing glaciers. The colours range from white for years with no reported advances to dark blue for years with a large ratio of advancing glaciers. Periods with very small data samples (n < 6) are masked in dark grey. The figure is based on all available front variation observations and reconstructions, excluding absolute annual front variations larger than 210 m $a^{-1}$ in order to reduce the effects of calving and surging glaciers.

Table 2.3 Database statistics and increase from current observation periods.

| Dataset | Number of glaciers | Number of observations | Increments since WGMS (2015) |
|---|---|---|---|
| Front variations (from observations) | 2499 | 44692 | +48/+1137 |
| Front variations (from reconstructions) | 38 | 1855 | +2/+37 |
| Mass balance (glacier-wide) | 450 | 6562 | +37/+1019 |
| Mass balance (point information) | 125 | 37463 | +58/+20086 |
| Volume/thickness change (geodetic method) | 4281 | 5325 | +3820/+4175 |
| Special events | 2457 | 3045 | +2143/+2496 |
| Glacier maps | 85 | 140 | +10/+23 |

Direct observations of glacier front positions extend back into the 19th century. This data sample has been extended in space based on remotely sensed length change observations and continued back in time by reconstructed front variations. Overall, the database contains more than 46,500 observations which allow the front variations of about 2,500 glaciers to be illustrated and quantified back into the 19th century. Additional reconstruction series from 38 glaciers extend as far back as the Little Ice Age (LIA) period, i.e., to the 16th century. The global compilation of front variation data, as qualitatively summarized in Figure 2.4, shows that glacier retreat has been dominant for the past two centuries, with LIA maximum extents reached (in some regions several times) between the mid-16th and the late 19th centuries. The qualitative summary of cumulative mean annual front variations (Fig. 2.4) reveals a distinct trend toward global centennial glacier retreat, with the early 21st century marking the historical minimum extent in all regions (except New Zealand (NZL) and Antarctic and Sub Antarctic Islands (ANT), where few observations are available) at least for the time period of documented front variations. Intermittent periods of glacier re-advance, such as those in the European Alps around the 1920s and 1970s or in Scandinavia in the 1990s, are hardly visible in Figure 2.4a because they do not even come close to achieving LIA maximum extents. Figure 2.4b provides a better overview of these re-advance periods by highlighting the years with a larger ratio of advancing glaciers. A qualitative overview of regional changes from both the glaciological and the geodetic method is given in Figure 2.3 and discussed in more detail in Section 3 on regional summaries.

A global and regional overview of the observational datasets is given in Figures 2.3–2.7. Overall, the Fluctuations of Glaciers database contains around 99,000 observations from 9,500 glaciers. This includes 46,550 front variations from 2,500 glaciers. From glaciological measurements, 6,560 annual balances are available from 450 glaciers. Geodetic results have been compiled for 5,330 (multi-year) periods from 4,280 glaciers. A look at all the data samples reveals that the glaciological sample has been increasing whereas the geodetic and the two front variation samples have been decreasing over the past 25 years. The increase found in the glaciological sample reflects the successful efforts of the observers to continue and extend their monitoring programmes as well as of the WGMS to compile these results through its collaboration network. The decline in the geodetic sample has to do with the normal post-processing character of geodetic surveys. Another reason is the stronger reluctance found here to share data; it appears that the cost to the relevant research community in terms of the extra effort required to submit data (beyond a journal publication of the main results) is considerable compared with the benefit gained from increased visibility through data sharing. Within the framework of ESA's Climate Change Initiative and Europe's Copernicus Climate Change Service, the WGMS has tackled this issue and compiled geodetic results from an extensive literature research and by integrating original data – published and made available from research groups – with its own resources. These efforts resulted in a strong data increase mainly manifested in the European Alps and in Alaska. In the case of the observational front variation sample, the decrease is reported to be caused mainly by the abandonment of in situ programmes without remote-sensing compensation.

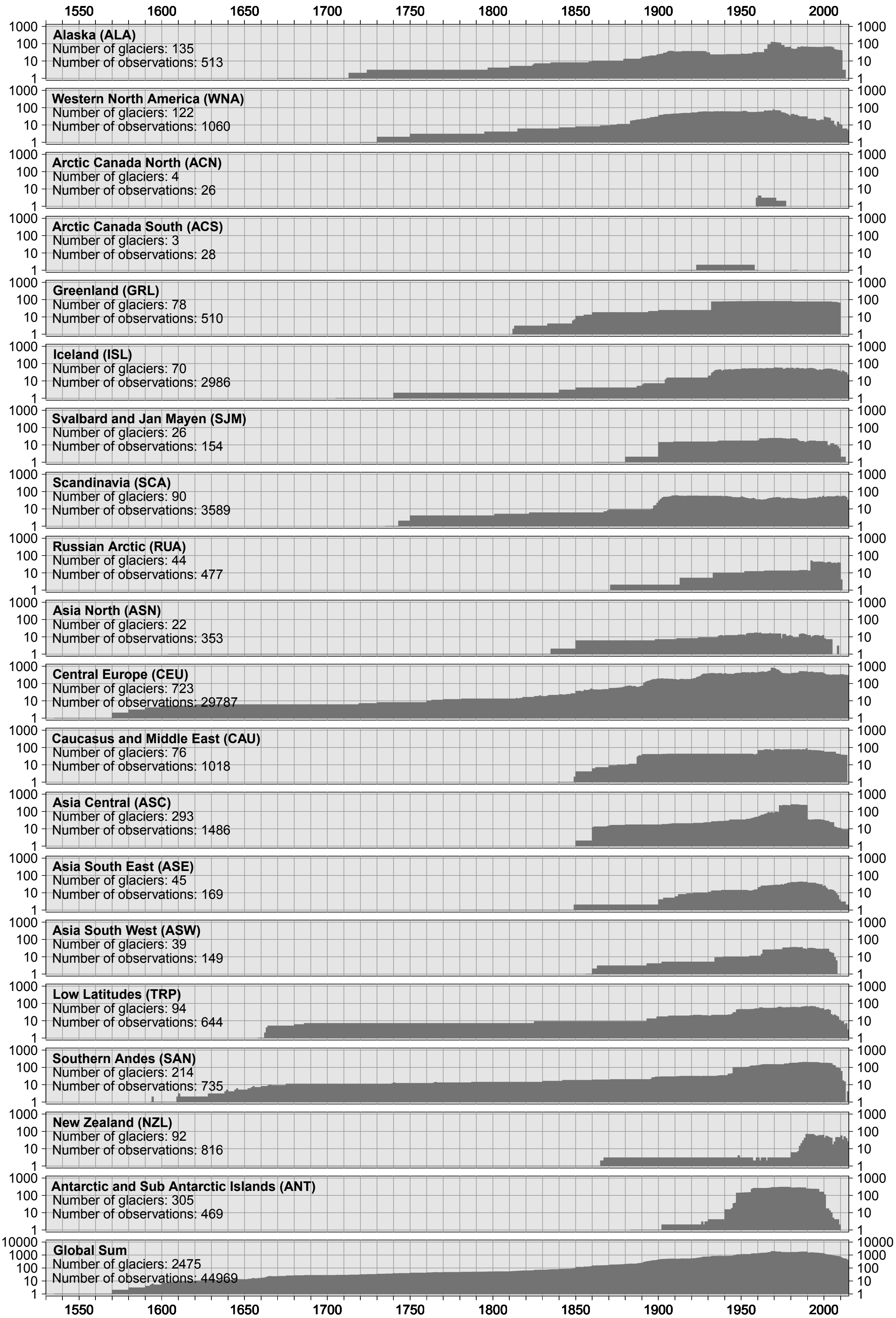



Figure 2.5 Number of regional and global glacier fluctuation records over time: front variation data 1550–2015.

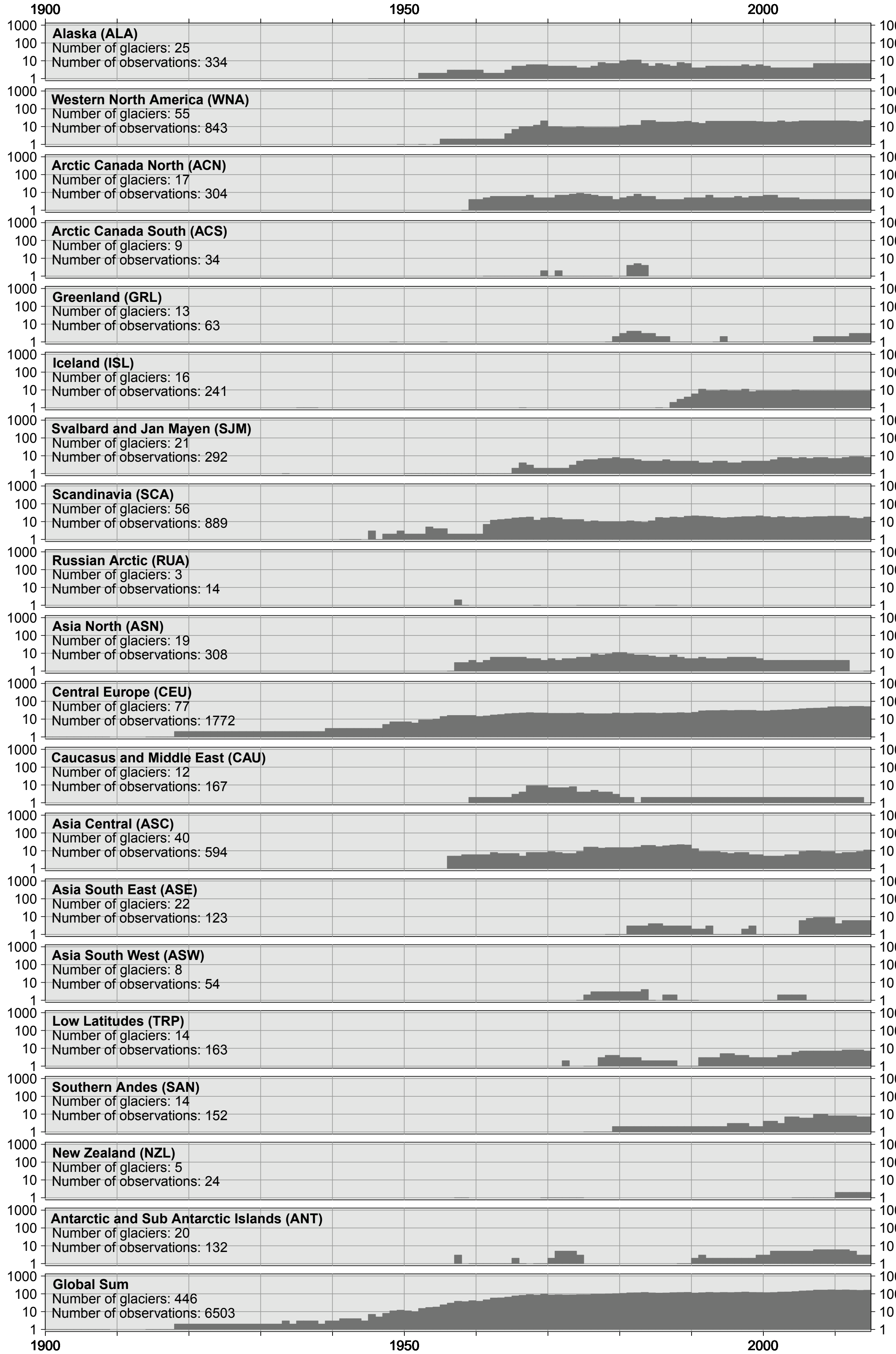



Figure 2.6 Number of regional and global glacier fluctuation records over time: glaciological mass balance data 1900–2015.

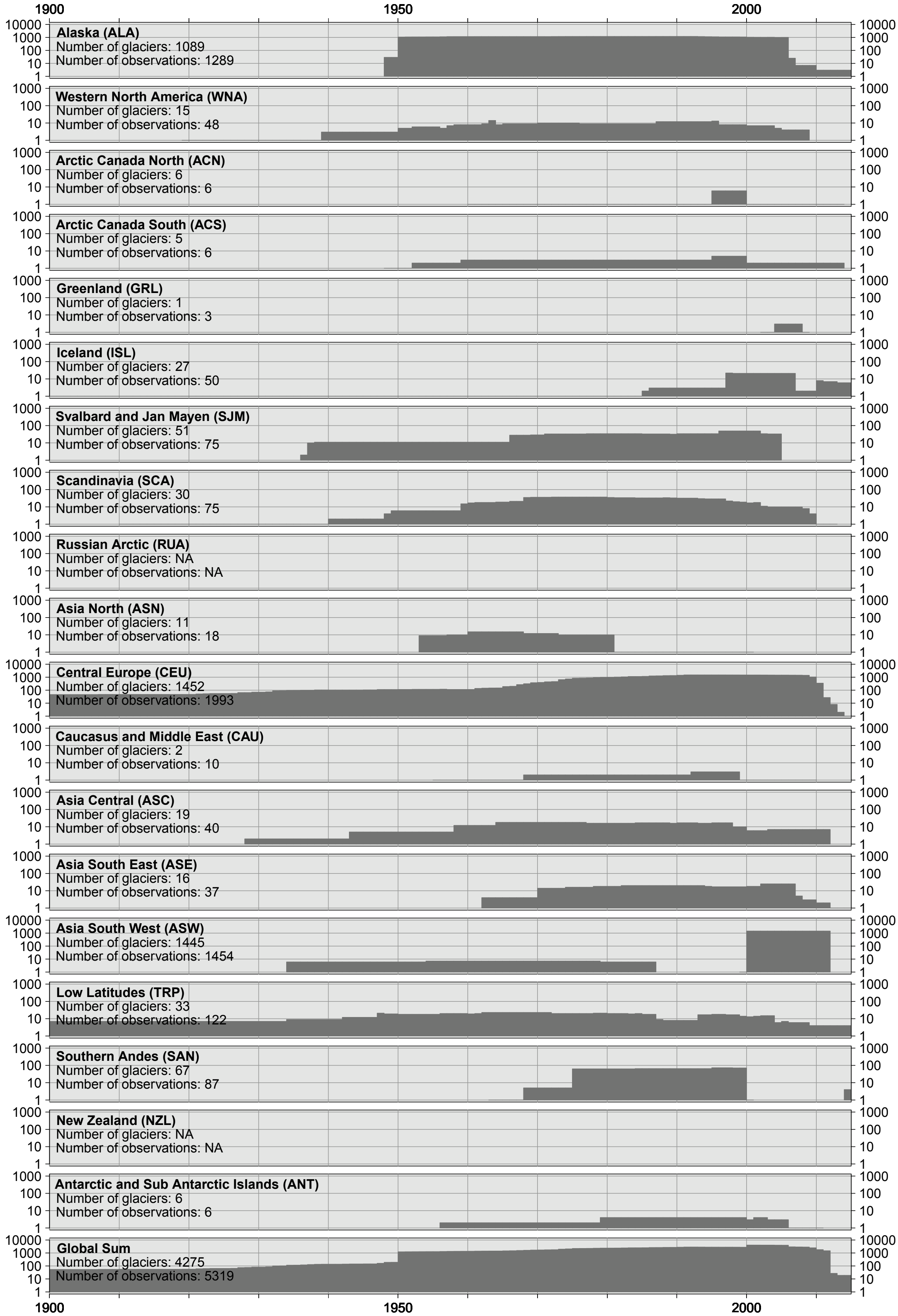



Figure 2.7 Number of regional and global glacier fluctuation records over time: geodetic mass balance data 1900–2015.

# 3 REGIONAL INFORMATION

Fluctuations of glaciers (not influenced by surge or calving dynamics) are recognized as high-confidence climate indicators and as an important element in early detection strategies within the international climate monitoring programmes (GCOS, 2010; GTOS, 2009). Their fluctuations can be analyzed on global and regional scales, but also on the local scale, where topographic effects may lead to different reactions of two adjacent glaciers. The glacier sensitivity to climatic change is strongly related to the climate regime in which the ice resides. The mass balance of temperate glaciers in the mid-latitudes is mainly dependent on winter precipitation, summer temperature and summer snowfalls (temporally reducing the melt due to the increased albedo; Kuhn et al., 1999). In contrast, the glaciers in low latitudes, where ablation occurs throughout the year and multiple accumulation seasons exist, are strongly influenced by variations in the atmospheric moisture content which affects incoming solar radiation, precipitation and albedo, atmospheric long-wave emission, and sublimation (Wagnon et al., 2001; Kaser & Osmaston, 2002). In the Himalaya, which is influenced by the monsoon, most of the accumulation and ablation occurs during the summer (Ageta & Fujita, 1996; Fujita & Ageta, 2000). Glaciers at high altitudes and in polar regions can experience accumulation in any season (Chinn, 1985). The challenges of fieldwork in these different regions and climate regimes are summarized and contrasted by Stumm et al. (2017).

For regional analysis and comparison of glacier fluctuation data, it is convenient to group glaciers by proximity. We refer to the glacier regions as jointly defined by the GTN-G Advisory Board, GLIMS, the Randolph Glacier Inventory Working Group of IACS, and the WGMS (GTN-G, 2017). For global studies of mass balance, these glacier regions seem to be appropriate because of their manageable number and their geographical extent, which is close to the spatial correlation distance of glacier mass balance variability in most regions (several hundred kilometres; cf. Letreguilly & Reynaud, 1990; Cogley & Adams, 1998). For every region, all data records are aggregated at the annual time resolution to give consideration to the corresponding observational peculiarities, i.e., for multiannual survey periods, the annual change rate is calculated and assigned to each year of the survey period. For quantitative comparisons over time and between regions, decadal arithmetic mean mass balances are calculated to reduce the influence of meteorological extremes and of density conversion issues (cf. Huss, 2013). Global values are calculated as arithmetic means of the regional averages to avoid a bias in favour of regions with large observation densities (e.g. in Central Europe, Scandinavia, or Svalbard). This approach is suitable for assessing the temporal variability of glacier mass balance (Zemp et al., 2015).

This chapter provides regional overviews including a figure showing regional averages of glaciological and geodetic mass balances. They are cited together with the corresponding number of observations, key statistics on regional glacier distribution and available fluctuation series, as well as graphs of cumulative front variation and mass balance from selected glaciers with long-term observation series. The regions are named approximately from West to East and from North to South. Regional estimates of total glacier area, rounded out to the next 500 $km^2$ mark, are from the RGI Consortium (2017).

# 3.1 ALASKA

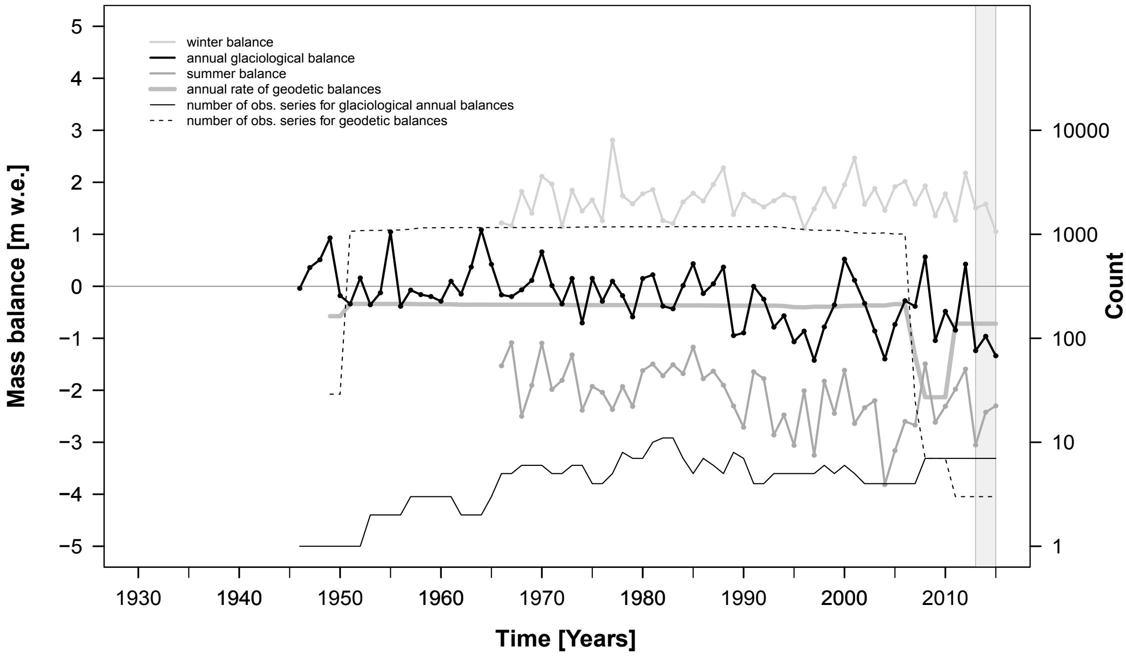



Figure 3.1.1 Regional mass balances: Annual glaciological balances (m w.e.) and annual rates of geodetic balances (m w.e. $a^{-1}$) are shown together with the corresponding number of observations. Geodetic balances were calculated assuming a glacier-wide average density of 850 kg $m^{-3}$.

The glaciers and icefields of Alaska are located in the Brooks Range, the Alaska Range, where Mount McKinley/Denali (the highest peak of the continent) is located, and in the Coast Mountains along the Gulf of Alaska coastline. Together these glaciers cover an area of about 86,500 $km^2$. Climate conditions in this region range from very maritime conditions in the Coast Mountains to continental conditions in the Alaska Range. In Alaska, the major part of the front variation series was discontinued at the end of the 20th century. Long-term mass balance measurements have been reported from Gulkana and Wolverine in the Alaska Range as well as from the Juneau Icefield's Taku and Lemon Creek glaciers located in southeast Alaska.

In Alaska, glaciers reached their Little Ice Age (LIA) maxima at various times; for the northeast Brooks Range it was the late 15th century, and for the Kenai Mountains, the mid-17th century (Grove, 2004). However, most of the glaciers attained the LIA maximum extent between the early 18th and late 19th centuries (Molnia, 2007). Reported front variation observations show a general glacier retreat from the LIA extents. Exceptions to this general trend are large tidewater glaciers with impressive frontal retreat (e.g. Columbia No 627) and advance (e.g. Taku) cycles, mainly driven by calving dynamics. The former tidewater glacier Muir, located in the Saint Elias Mountains, became a land-terminating glacier after its last retreat phase. Observed mass balance glaciers lost about half a metre w.e. per year during the 1990s and 2000s, with four years of positive mean balances in 1999/00, 2000/01, 2007/08, and 2011/12. Seasonal balance observations show the large mass turnover of the maritime glaciers. In 2013/14 the reported balance was negative with -962 mm w.e. $a^{-1}$ followed by a very negative balance of -1337 mm w.e. $a^{-1}$ in 2014/15. The glaciological measurements are supported by results from geodetic surveys from about 1,200 glaciers between the 1950s and the 2000s. Regional glacier change assessments were recently published by Larsen et al. (2015), Le Bris & Paul (2015), McNabb & Hock (2014), and Pelto et al. (2013).

| | |
|---|---|
| Estimated total glacier area ($km^2$): | 86,500 |
| **Front variations** | |
| - # of series*: | 136/1 |
| - # of obs. from stat. or adv. glaciers*: | 212/0 |
| - # of obs. from retreating glaciers*: | 381/1 |
| **Glaciological balances** | |
| - # of series*: | 26/7 |
| - # of observations*: | 340/14 |
| **Geodetic balances** | |
| - # of series°: | 1,089/1,007 |
| - # of observations°: | 1,289/1,018 |

* (total/2014 & 2015), ° (total/>2005)

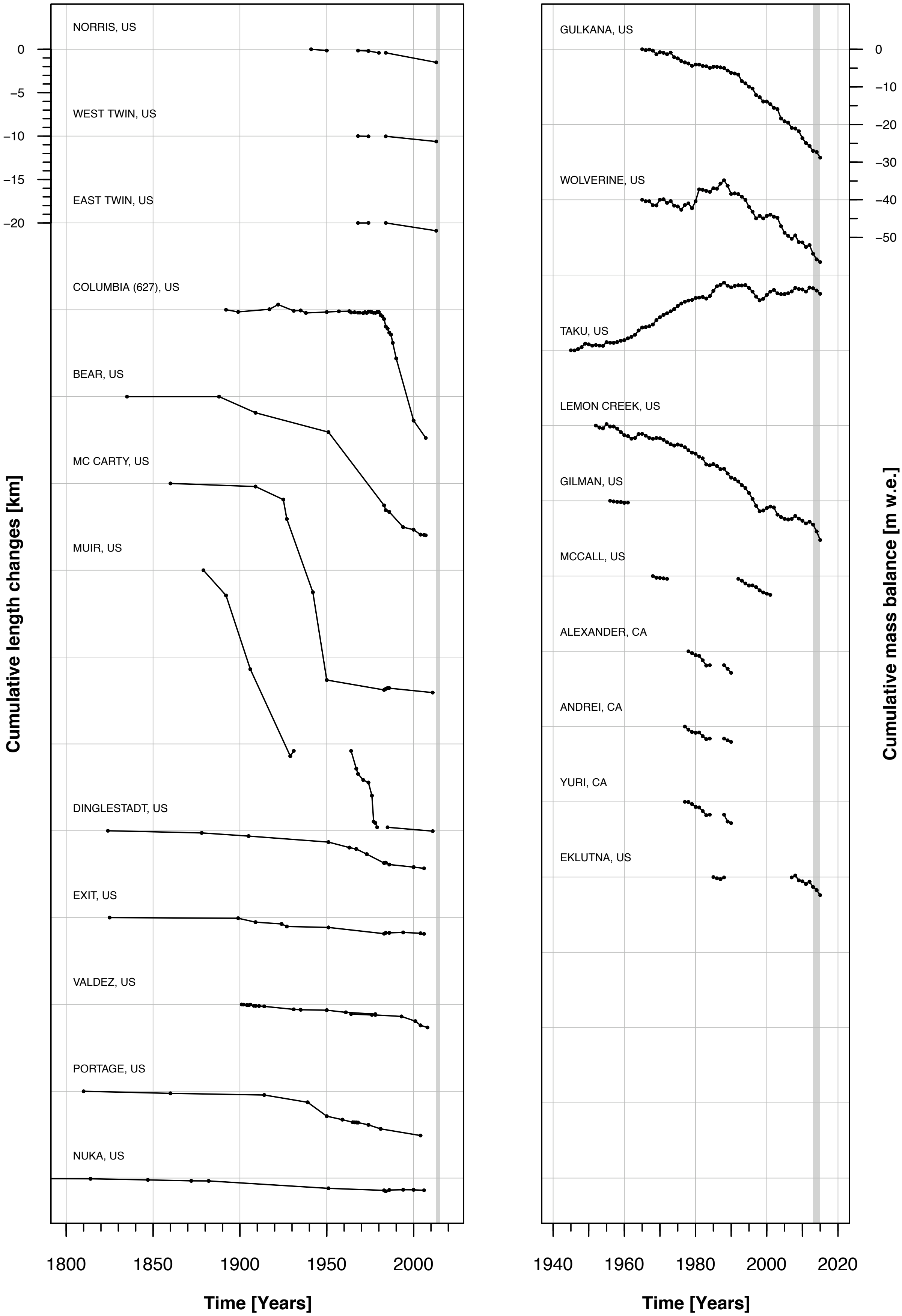



Figure 3.1.2 Cumulative length changes (left) and cumulative mass balances (right) of selected glaciers in Alaska over the entire observation period.

## 3.2 WESTERN NORTH AMERICA

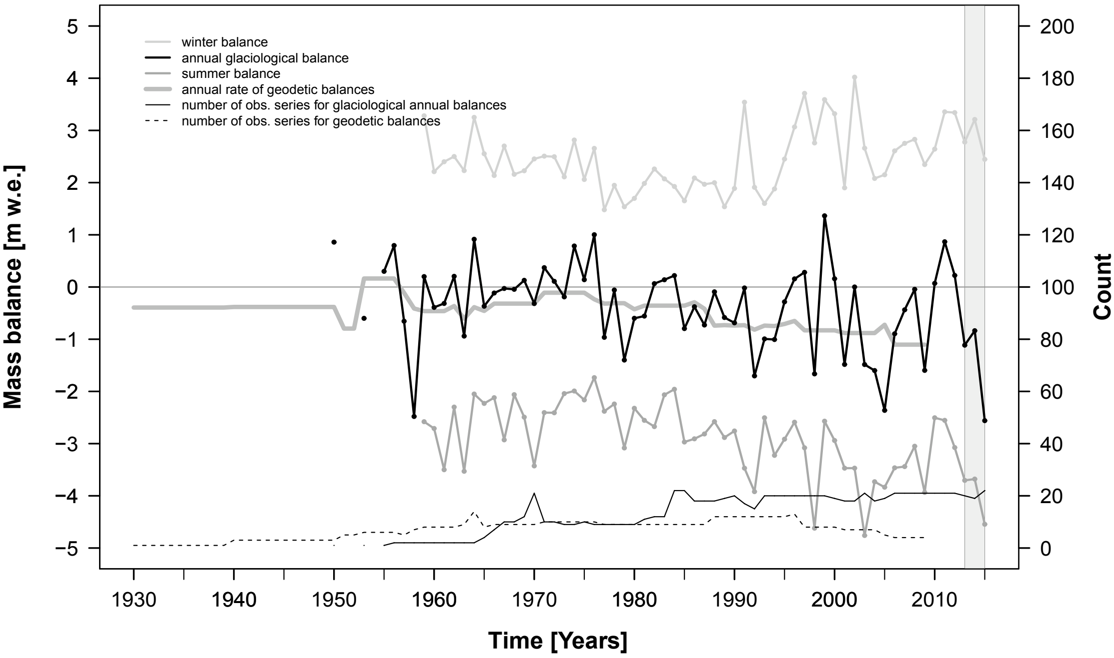



Figure 3.2.1 Regional mass balances: Annual glaciological balances (m w.e.) and annual rates of geodetic balances (m w.e. $a^{-1}$) are shown together with the corresponding number of observations. Geodetic balances were calculated assuming a glacier-wide average density of 850 kg $m^{-3}$.

The glaciers in Western North America are located in the Pacific Coast Mountains, the Rocky Mountains, the Cascade Range, and in the Sierre Nevada. Together, the glacier area covers a total of approx. 14,500 $km^2$. In general, the climate of the mountain ranges shows strong variations depending on latitude, altitude and proximity to the sea. Therefore, glaciers in the south are much smaller and occur at higher elevations than in the higher latitudes, where some glaciers extend down to the coast.

From western North America more than 50 mass balance and more than 120 front variation series are available but only half of them have been continued into the 21st century. South Cascade Glacier in the Cascade Range has the longest mass balance record followed by Place and Helm glaciers in the Coast Mountains and Peyto Glacier in the Rocky Mountains. In conterminous USA and Canada, glaciers reached their LIA maximum extent in the mid to late 19th century (Kaufmann et al., 2004). Reported front variations show a general glacier retreat from the LIA extents with intermittent periods of glacier re-advances in the early 20th century and from the 1970s to 1980s. Since the 1990s glacier retreat has been continued.

Mean annual balance rates of the observed glaciers were between 400 and 450 mm w.e. $a^{-1}$ in the 1980s and 1990s, and almost -1000 mm w.e. $a^{-1}$ in the 2000s. Seasonal balance observations show the large mass turnover of the maritime glaciers. Similar to Alaska, the reported mean annual balance of 2013/14 was negative with -837 mm w.e. followed by a very negative mean annual balance of -2,560 mm w.e. in 2014/15. The glaciological observations are well supported by results from the few geodetic surveys.

Regional glacier change assessments were recently published by Pelto & Brown (2012), Shea et al. (2013), Tennant & Menounos (2013), and Tennant et al. (2012).

| | |
|---|---|
| Estimated total glacier area ($km^2$): | 14,500 |
| **Front variations** | |
| - # of series*: | 122/6 |
| - # of obs. from stat. or adv. glaciers*: | 284/0 |
| - # of obs. from retreating glaciers*: | 784/9 |
| **Glaciological balances** | |
| - # of series*: | 55/22 |
| - # of observations*: | 853/41 |
| **Geodetic balances** | |
| - # of series°: | 15/4 |
| - # of observations°: | 48/4 |

* (total/2014 & 2015), ° (total/>2005)

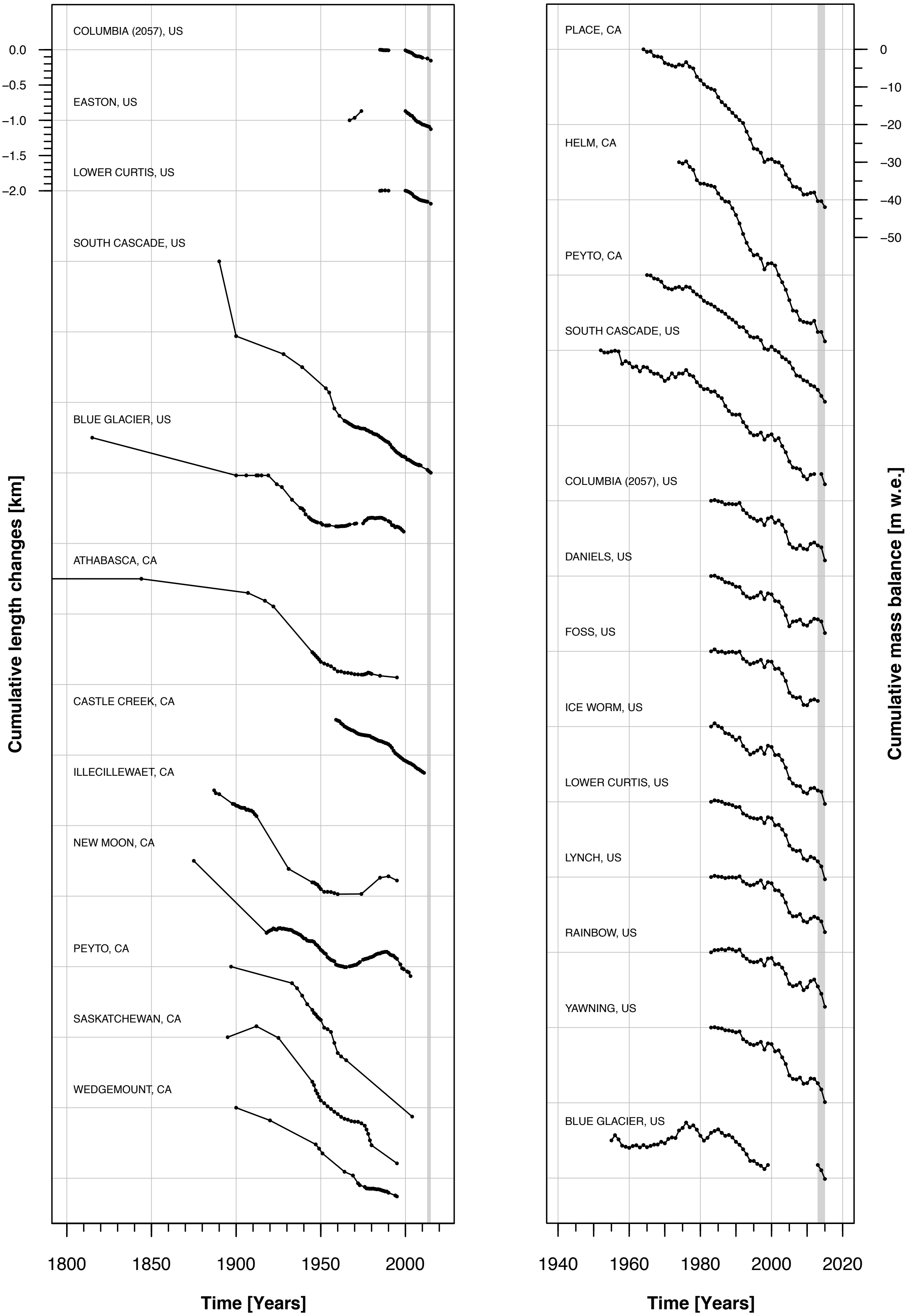



Figure 3.2.2 Cumulative length changes (left) and cumulative mass balances (right) of selected glaciers in Western North America over the entire observation period.

## 3.3 ARCTIC CANADA NORTH & SOUTH

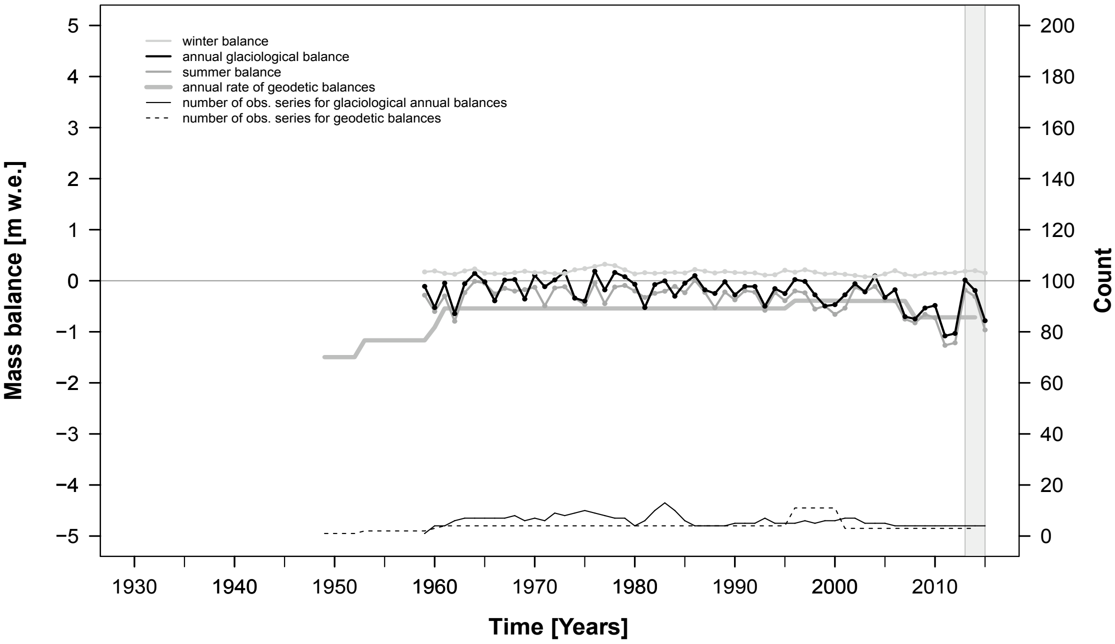



Figure 3.3.1 Regional mass balances: Annual glaciological balances (m w.e.) and annual rates of geodetic balances (m w.e. $a^{-1}$) are shown together with the corresponding number of observations. Geodetic balances were calculated assuming a glacier-wide average density of 850 kg $m^{-3}$.

The Canadian Arctic Archipelago is a group of more than 36,000 islands and hosts a total of about 146,000 $km^2$ of glaciers, icefields and ice caps. The largest islands with glaciers are Baffin, Ellesmere, Devon, Axel Heiberg, and Melville. The glaciers in this high-latitude region are much influenced by the extent and distribution of sea ice which in turn depends on ocean currents and on the Arctic and North Atlantic Oscillations.

Information on glacier changes mainly stems from a few dozen mass balance series. The longest continuous measurements are reported from Meighen, Devon and Melville Ice Caps and from White Glacier. The long-term glaciological measurement series of White Glacier has recently been homogenized and validated with geodetic surveys by Thomson et al. (2017).

The timing of the LIA maximum extent of glaciers in the Canadian Artic Archipelago is estimated to the end of the 19th century (Grove, 2004). The subsequent glacier retreat is clearly visible in remotely sensed images thanks to glacier moraines and trimlines. However, detailed front variation observations are not available for this region.

The few reported mass balance measurements indicate slightly negative balances of less than 100 mm w.e. $a^{-1}$ between the 1960s and the 1980s and an increased mass loss between -200 and -300 mm w.e. $a^{-1}$ in the 1990s and 2000s. Seasonal balances show the small mass turnover of the Arctic ice caps. In Arctic Canada North, the reported mean annual balance of 2013/14 and 2014/15 were both negative with -191 mm w.e. and -782 mm w.e., respectively.

The few available results from geodetic surveys are also indicating negative balances over the second half of the 20th century but relate to a different glacier sample.

| | |
|---|---|
| Estimated total glacier area ($km^2$): | 146,000 |
| **Front variations** | |
| - # of series*: | 7/0 |
| - # of obs. from stat. or adv. glaciers*: | 17/0 |
| - # of obs. from retreating glaciers*: | 37/0 |
| **Glaciological balances** | |
| - # of series*: | 26/4 |
| - # of observations*: | 339/8 |
| **Geodetic balances** | |
| - # of series°: | 11/3 |
| - # of observations°: | 12/4 |

* (total/2014 & 2015), ° (total/>2005)

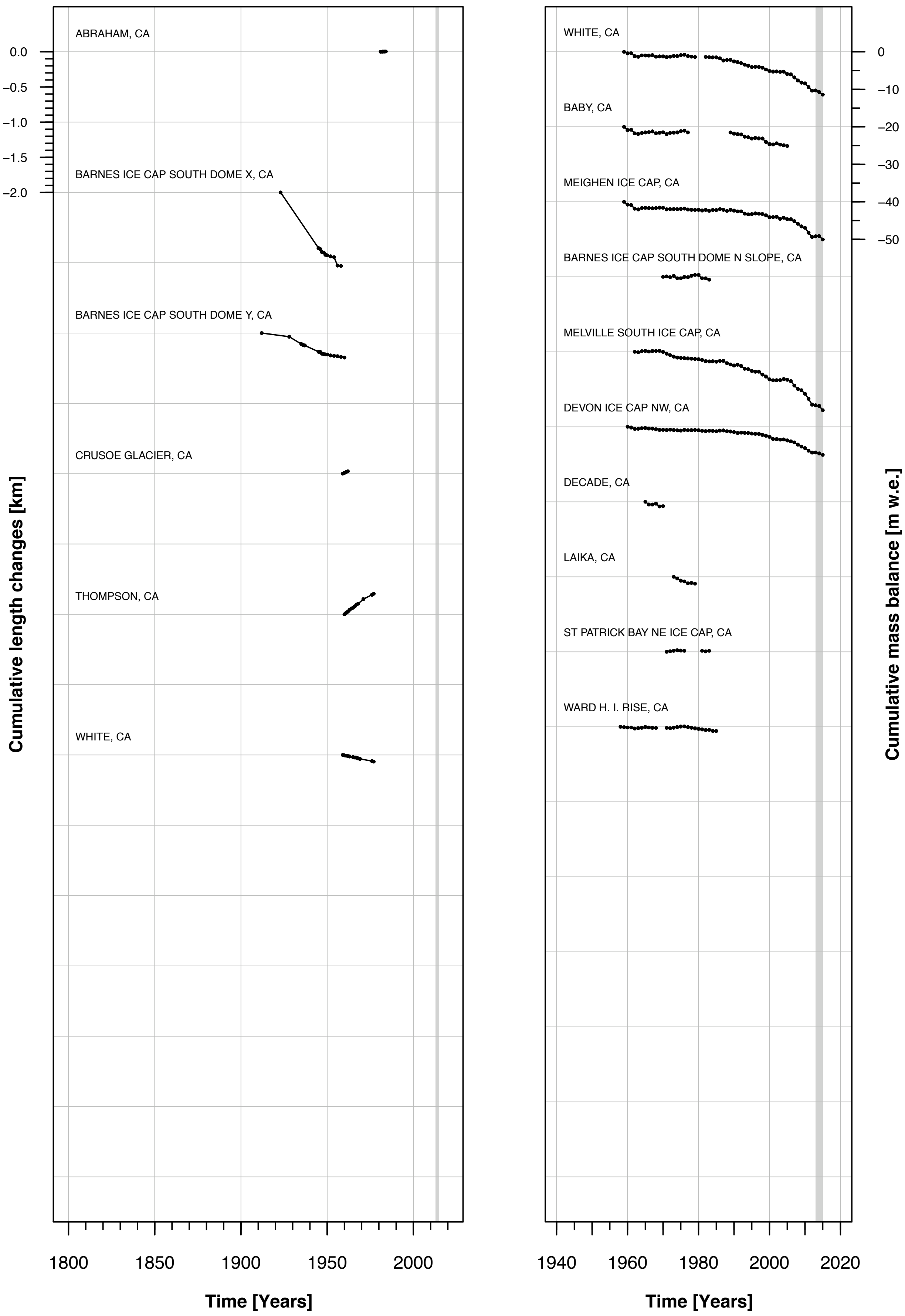



Figure 3.3.2 Cumulative length changes (left) and cumulative mass balances (right) of selected glaciers in Arctic Canada over the entire observation period.

# 3.4 GREENLAND

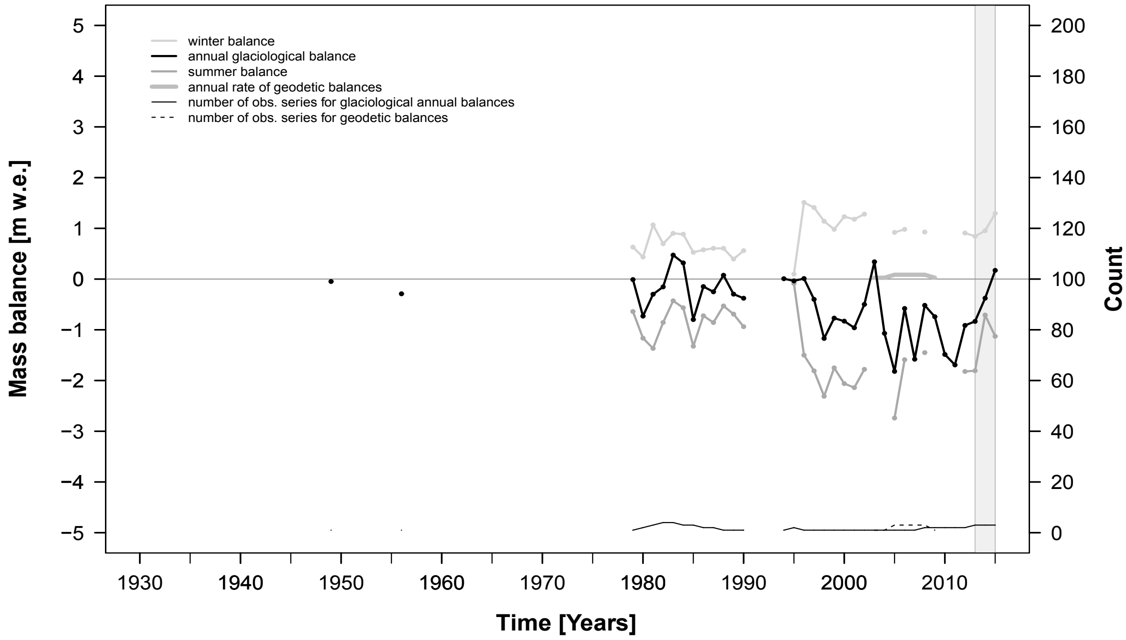



Figure 3.4.1 Regional mass balances: Annual glaciological balances (m w.e.) and annual rates of geodetic balances (m w.e. $a^{-1}$) are shown together with the corresponding number of observations. Geodetic balances were calculated assuming a glacier-wide average density of 850 kg $m^{-3}$.

The world's largest non-continental island is covered to about 80% by the Greenland Ice Sheet. In addition, about 20,300 local glaciers cover an area between 90,000 $km^2$ and 130,000 $km^2$, depending on the counting of different connectivity levels between local glaciers and the ice sheet (Rastner et al., 2012). These glaciers range from sea level to 3,694 m a.s.l. at Gunnbjørn Fjeld – Greenland's highest mountain located in the Watkins Range on the east coast.

There exists a large variety of glacier types, from icefields and ice caps with numerous outlet glaciers, to valley, mountain and cirque glaciers. The island acts as a centre of cooling resulting in a polar to subpolar climate regime. Due to the large north-south extent, different thermal regimes can be expected for the glaciers, ranging from mostly cold in the north to polythermal in the central part to temperate in the south. About 80 front variation series are available from the southern part. Mass balance measurements are available from about 25 sites, but most series are discontinued after a couple of years. Recent measurements are reported from Mittivakkat Glacier in the Ammassalik Region and Freya Glacier on Clavering Island, both located on the east coast. The few investigations from Greenland indicate that many glaciers and ice caps (e.g. on Disko Island) reached their maximum extents before the 19th century. The subsequent glacier retreat is documented at about decadal intervals for approx. 80 glaciers in the southern part of Greenland. However, observations made after 2010 have been reported only from Mittivakkat Glacier.

Mass balance measurements from Mittivakat and Freya glaciers indicate that the ice loss increased from -630 mm w.e. $a^{-1}$ in the 1990s to -890 mm w.e. $a^{-1}$ in the 2000s. In 2013/14 Mittivakkat showed again a negative balance (-1,200 mm w.e.), while Freya glacier showed a positive mass balance (394 mm w.e.). In 2014/15 both glaciers had positive balances, averaging 171 mm w.e. Regional glacier change assessments were recently published by Bjørk et al. (2012), Bolch et al. (2013), and Machguth et al. (2016). Changes since the LIA maximum extents are presented by Citterio et al. (2009) for selected glaciers in central western Greenland.

| | |
|---|---|
| Estimated total glacier area ($km^2$): | 89,500 |
| **Front variations** | |
| - # of series*: | 78/1 |
| - # of obs. from stat. or adv. glaciers*: | 116/0 |
| - # of obs. from retreating glaciers*: | 385/1 |
| **Glaciological balances** | |
| - # of series*: | 13/3 |
| - # of observations*: | 64/6 |
| **Geodetic balances** | |
| - # of series°: | 1/1 |
| - # of observations°: | 3/3 |

* (total/2014 & 2015), ° (total/>2005)

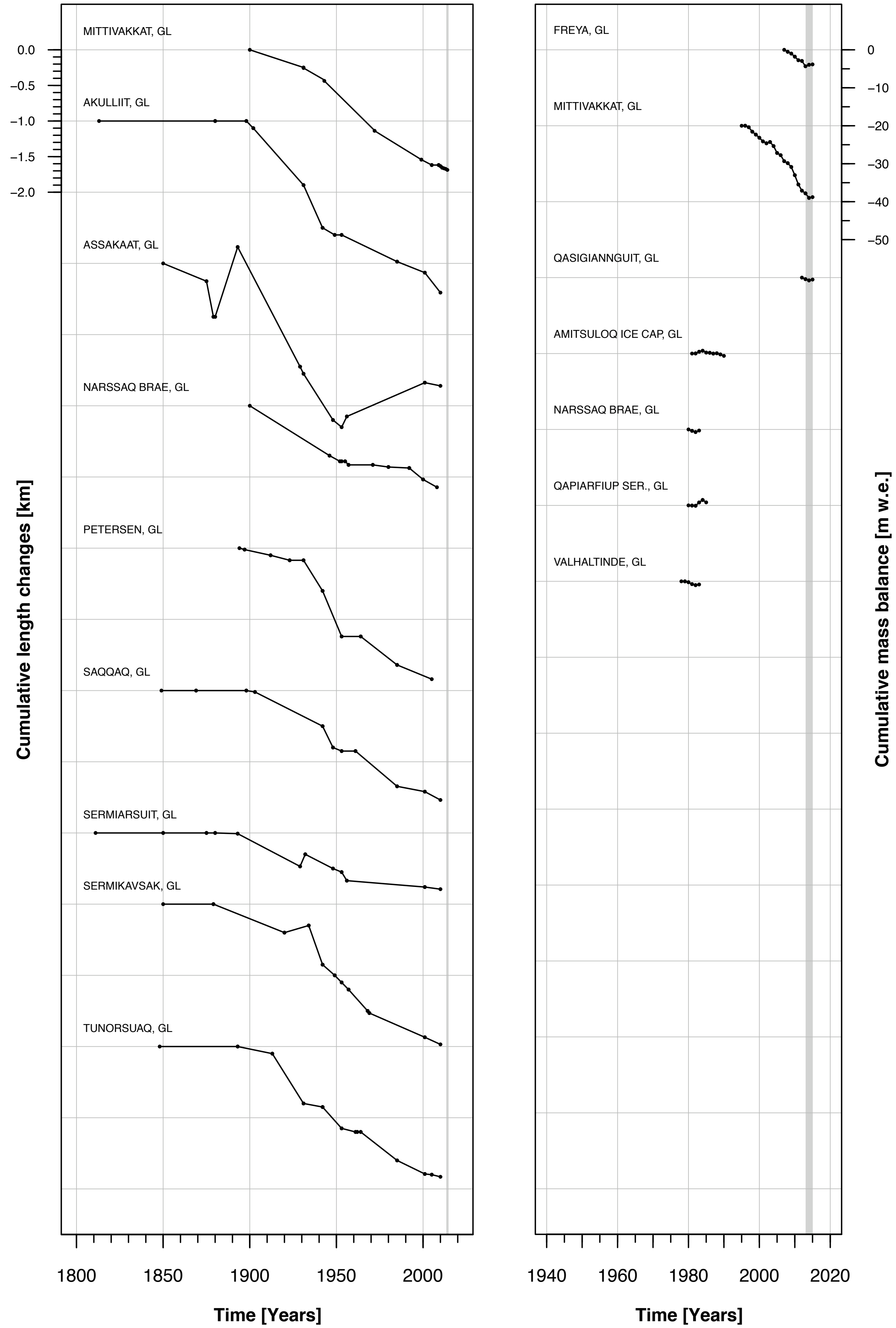



Figure 3.4.2 Cumulative length changes (left) and cumulative mass balances (right) of selected glaciers in Greenland over the entire observation period.

# 3.5 ICELAND

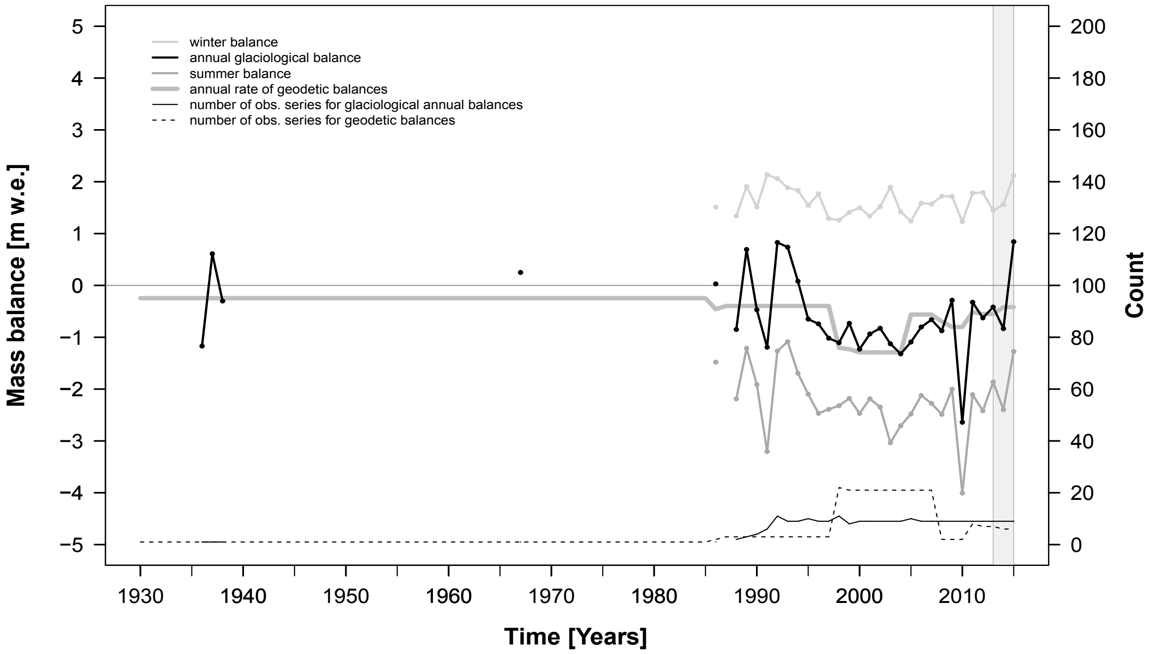



Figure 3.5.1 Regional mass balances: Annual glaciological balances (m w.e.) and annual rates of geodetic balances (m w.e. $a^{-1}$) are shown together with the corresponding number of observations. Geodetic balances were calculated assuming a glacier-wide average density of 850 kg $m^{-3}$.

Iceland is located on the Mid-Atlantic Ridge, the boundary of the Eurasian and the American tectonic plates, and its ice cover is dominated by six large ice caps. Vatnajökull is the largest followed by Langjökull, Hofsjökull, Mýrdalsjökull, Drangajökull, and Eyjafjallajökull. The entire glacier cover is estimated to total close to 11,000 km$^2$.

The glaciers in Iceland are located in a region of subpolar oceanic climate. The warm North Atlantic Current ensures generally higher temperatures than in most places of similar latitude. Winter precipitation and summer ablation levels on the glaciers are comparatively high and the mass balance sensitivity is among the highest recorded. Many ice caps and glaciers in Iceland are influenced by geothermal and volcanic activity, resulting in frequent glacier outburst floods, known in Icelandic as jökulhlaups.

Mass balance measurements are available from a dozen glaciers. The longest series starting in 1988 is from outlet glaciers of Hofsjökull. Measurements on Vatnajökull outlets and on Langjökull were started in 1991 and 1997, respectively. Detailed front variation series are available from over 70 glacier tongues reaching back to the 1930s, with sporadic information derived from historical sources back to the 18th century and in a few cases even further back in time. The maximum Little Ice Age (LIA) extent of glaciers and ice caps in Iceland is estimated to have occurred close to the end of the 19th century (Thorarinsson, 1943; Sigurðsson, 2005). Detailed front variation observations document the general retreat from the LIA maximum extent up to 1970, with a period of intermittent re-advance between 1970 and 1990 and continued retreat from 1995 to the present time. Abrupt re-advances are due to surges.

The average mass loss of glaciers has increased from about -500 mm w.e. $a^{-1}$ in the 1990s to more than -1,000 mm w.e. $a^{-1}$ in the 2000s. The average mass balance during the glaciological year 2013/14 was -834 mm w.e., which is typical for the 20-year period of negative annual mass balance in the period 1995–2014. In contrast, a positive mass balance of 843 mm w.e. was measured in 2014/15. A regional glacier change assessment was recently published by Björnsson et al. (2013).

| | |
|---|---|
| Estimated total glacier area (km$^2$): | 11,000 |
| **Front variations** | |
| - # of series*: | 70/33 |
| - # of obs. from stat. or adv. glaciers*: | 775/9 |
| - # of obs. from retreating glaciers*: | 2,267/38 |
| **Glaciological balances** | |
| - # of series*: | 16/9 |
| - # of observations*: | 242/18 |
| **Geodetic balances** | |
| - # of series°: | 27/26 |
| - # of observations°: | 50/28 |

* (total/2014 & 2015), ° (total/>2005)

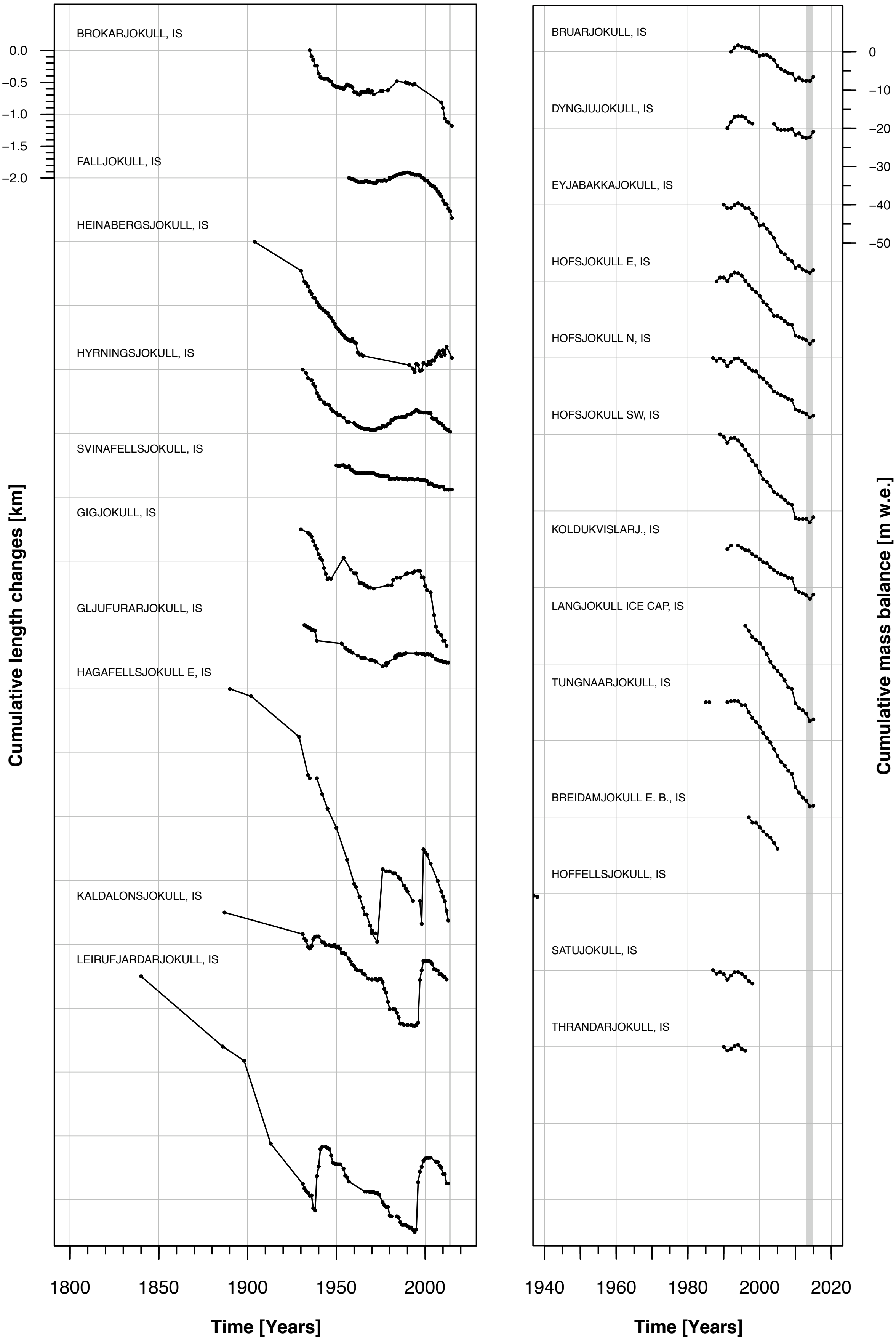



Figure 3.5.2 Cumulative length changes (left) and cumulative mass balances (right) of selected glaciers in Iceland over the entire observation period.

# 3.6 SVALBARD & JAN MAYEN

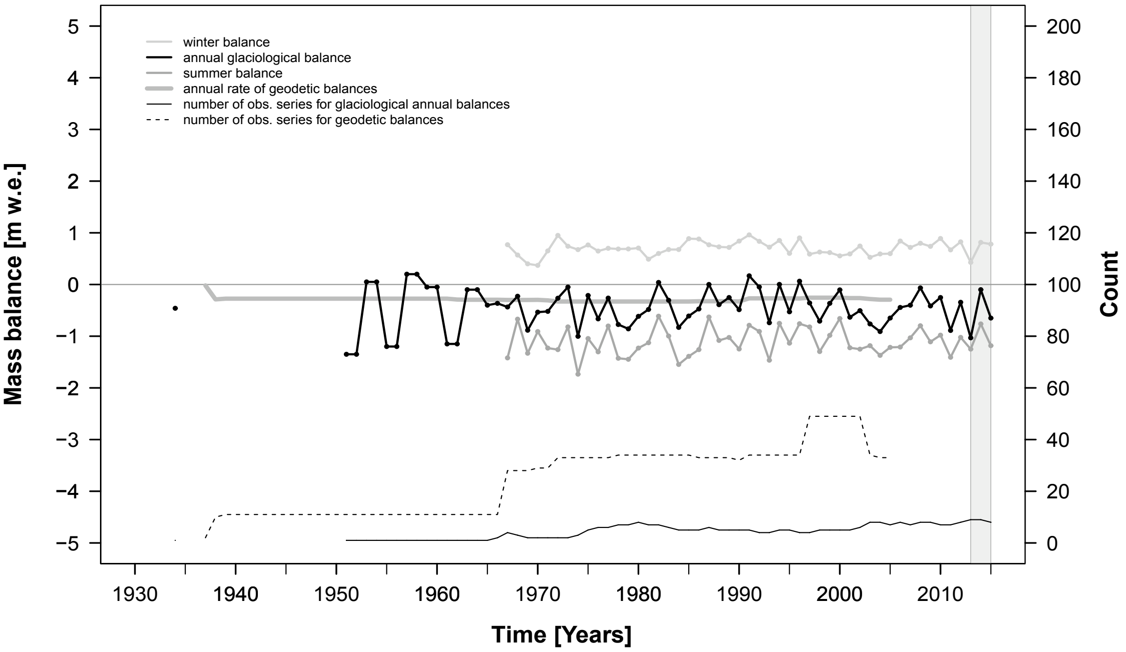



Figure 3.6.1 Regional mass balances: Annual glaciological balances (m w.e.) and annual rates of geodetic balances (m w.e. $a^{-1}$) are shown together with the corresponding number of observations. Geodetic balances were calculated assuming a glacier-wide average density of 850 kg $m^{-3}$.

The Svalbard Archipelago is situated in the Arctic Ocean north of mainland Europe. The largest island is Spitsbergen, followed by Nordaustlandet and Edgeøya. Its topography is more than half covered by ice, and is characterized by plateau mountains and fjords. The entire glacier area totals about 34,000 km².

Jan Mayen is a volcanic island in the Arctic Ocean and is part of the Kingdom of Norway, as is Svalbard. It is partly covered by glaciers, with an area of about 100 km² around the Beerenberg Volcano.
Svalbard and Jan Mayen both have an arctic climate, although with much higher temperatures than other regions at the same latitude. Numerous glaciers on Svalbard are of the surge-type.

Over 20 continuous mass balance series are reported from Svalbard, the longest ones being from Austre Brøggerbreen, Midtre Lovenbreen, Kongsvegen, Hansbreen, and Waldemarbreen. Front variations are available from roughly 30 glaciers, most of them dating back to about 1900. From Jan Mayen, front variations are reported from Sorbreen.

During the LIA, glaciers in Svalbard were close to their late Holocene maximum extent and remained there until the beginning of the 20th century (Svendsen & Magerud, 1997). The reported front variation series show a general trend of retreat without a common period of distinct re-advances. On Jan Mayen, Sorbreen shows a retreat starting in the late 19th century with a re-advance period in the mid-20th century.

Glaciological mass balance measurements indicate continued ice loss at a rate of a few hundred mm w.e. per year over the second half of the 20th century, well supported by results from geodetic survey of a few dozen glaciers. Mass loss increased to -490 mm w.e. $a^{-1}$ in the 2000s. Seasonal balances show a relatively low mass turnover. The average mass balance of 2013/14 was -1,032 mm w.e. and -100 mm w.e. in 2014/15. Regional glacier change assessments were recently published by Sobota (2013).

| | |
|---|---|
| Estimated total glacier area (km²): | 34,000 |
| **Front variations** | |
| - # of series*: | 26/2 |
| - # of obs. from stat. or adv. glaciers*: | 27/0 |
| - # of obs. from retreating glaciers*: | 134/3 |
| **Glaciological balances** | |
| - # of series*: | 21/9 |
| - # of observations*: | 292/17 |
| **Geodetic balances** | |
| - # of series°: | 51/0 |
| - # of observations°: | 75/0 |

* (total/2014 & 2015), ° (total/>2005)

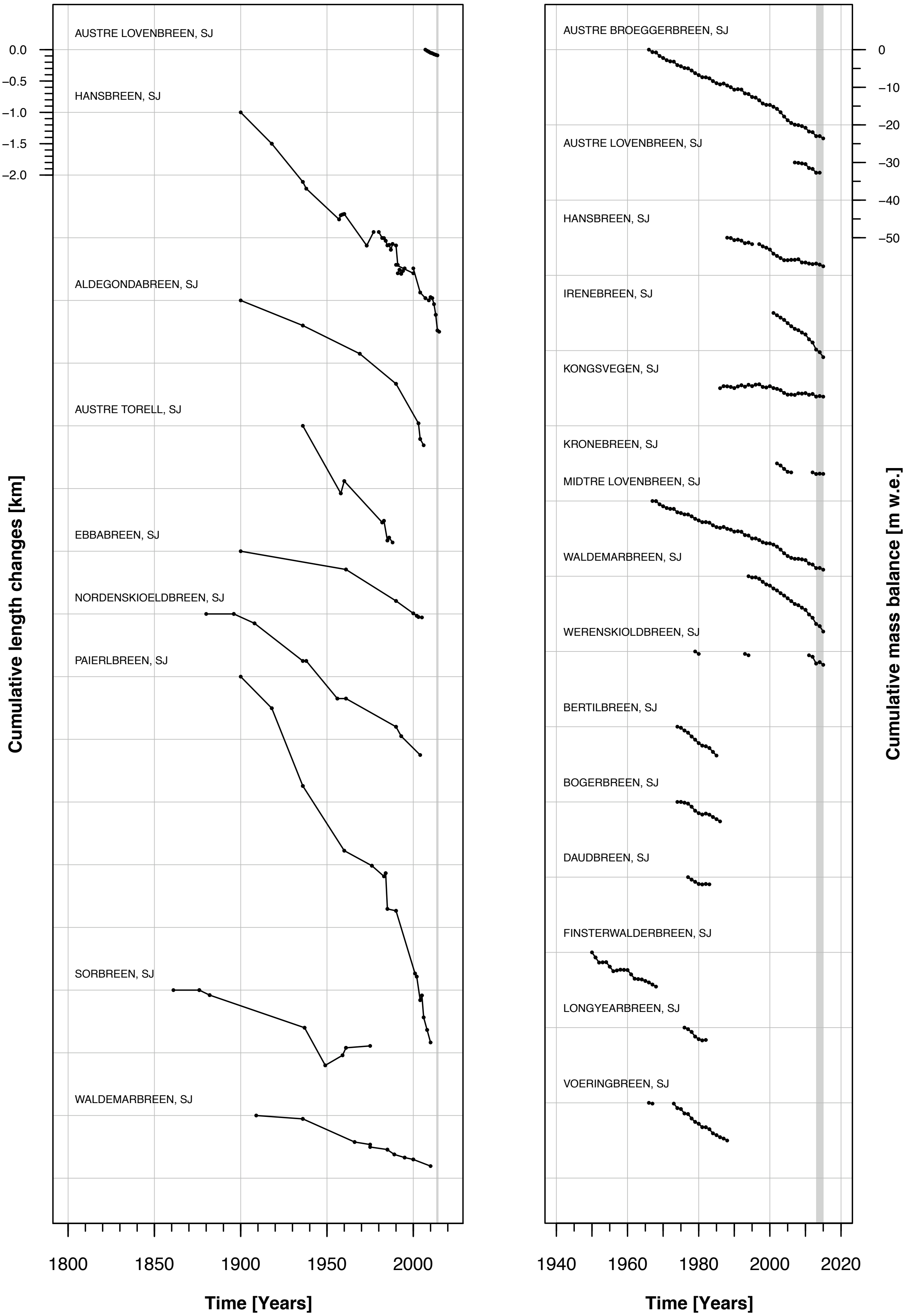



Figure 3.6.2 Cumulative length changes (left) and cumulative mass balances (right) of selected glaciers in Svalbard and Jan Mayen over the entire observation period.

## 3.7 SCANDINAVIA

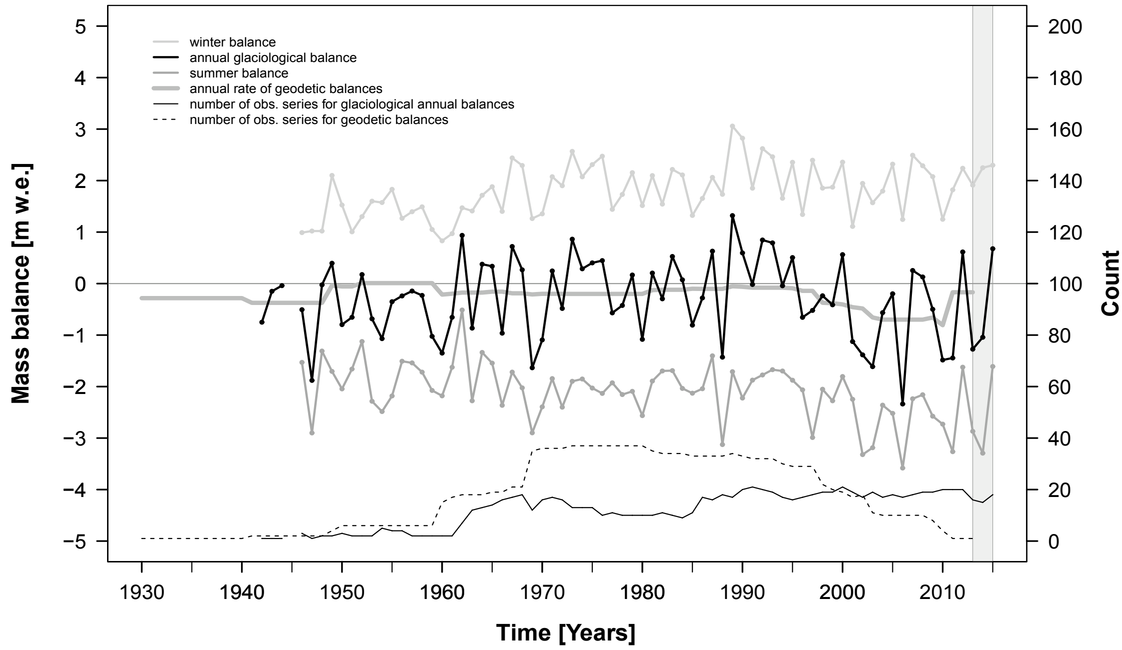



Figure 3.7.1 Regional mass balances: Annual glaciological balances (m w.e.) and annual rates of geodetic balances (m w.e. $a^{-1}$) are shown together with the corresponding number of observations. Geodetic balances were calculated assuming a glacier-wide average density of 850 kg $m^{-3}$.

In Scandinavia, the greater part of the ice cover is concentrated in southern Norway, namely in Folgefonna, Hardangerjøkulen, Breheimen, Jotunheimen, and Jostedalsbreen, which is the largest ice cap of mainland Europe. In northern Norway there are the Okstindan and Svartisen ice caps, glaciers in Lyngen and Skjomen as well as in the adjacent Kebnekaise region in Sweden. Together, these glaciers cover about 3,000 km². Glaciers are situated in different climatic regimes, ranging from maritime along the Norwegian west coast, humid continental in the central part, to subarctic further north.

Scandinavia is one of the regions with the most and longest reported observation series. From the approx. 60 mass balance series, eight have continuously reported series since 1970 and have recently been reanalysed by Andreassen et al. (2016). Front variations series are available from almost 90 glaciers extending back to the 19th century, with some reconstructions even back to the 17th century.

After having disappeared most likely during the early/mid-Holocene (Nesje et al., 2008), most of the Scandinavian glaciers reached their LIA maximum extent in the mid-18th century (Grove, 2004). Following a minor retreat trend with small frontal oscillations up until the late 19th century, the glaciers experienced a general recession during the 20th century with intermittent periods of re-advances around 1910 and 1930, in the 1970s, and around 1990; the last advance stopped at the beginning of the 21st century. On average, the observed mass balances were slightly positive from the 1970s to the 1990s. This was because coastal glaciers were able to gain mass while the glaciers further inland continued to lose mass. Geodetic results are well centred within the variability of the glaciological results with slightly negative average balances. After 2000, glaciers in both the coastal and the inland region lost mass resulting in an average balance of -790 mm w.e. $a^{-1}$. Seasonal balances show a large mass turnover. The regional average of reported balances was very negative (-1,043 mm w.e.) in 2013/14 and positive (677 m w.e.) in 2014/15. Regional glacier change assessments were recently published by NVE (2016, and earlier issues).

| | |
|---|---|
| Estimated total glacier area (km²): | 3,000 |
| **Front variations** | |
| - # of series*: | 90/48 |
| - # of obs. from stat. or adv. glaciers*: | 732/14 |
| - # of obs. from retreating glaciers*: | 2,372/64 |
| **Glaciological balances** | |
| - # of series*: | 56/18 |
| - # of observations*: | 898/33 |
| **Geodetic balances** | |
| - # of series°: | 30/10 |
| - # of observations°: | 75/10 |

* (total/2014 & 2015), ° (total/>2005)

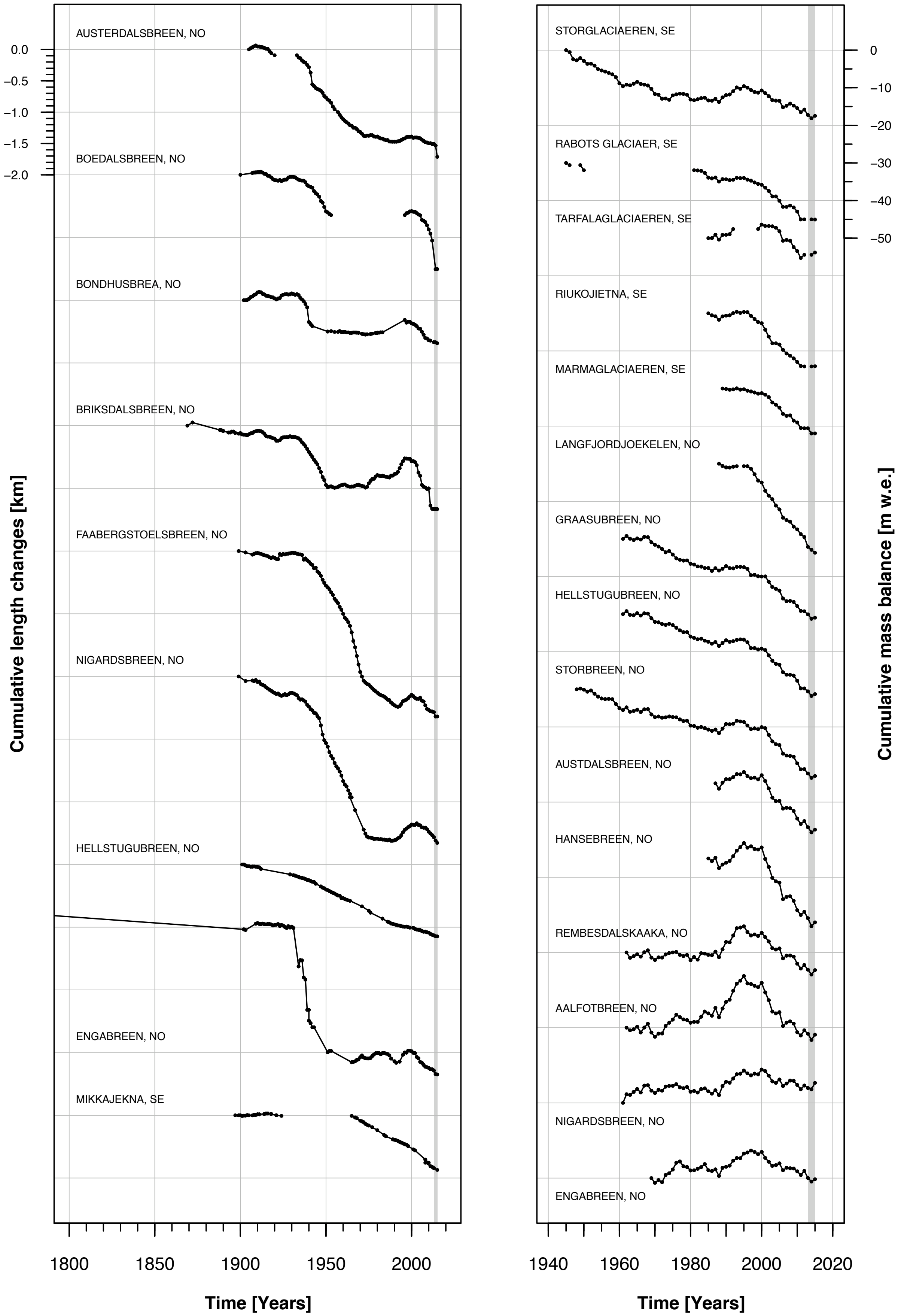



Figure 3.7.2 Cumulative length changes (left) and cumulative mass balances (right) of selected glaciers in Scandinavia over the entire observation period.

## SCANDINAVIA

# 3.8 CENTRAL EUROPE

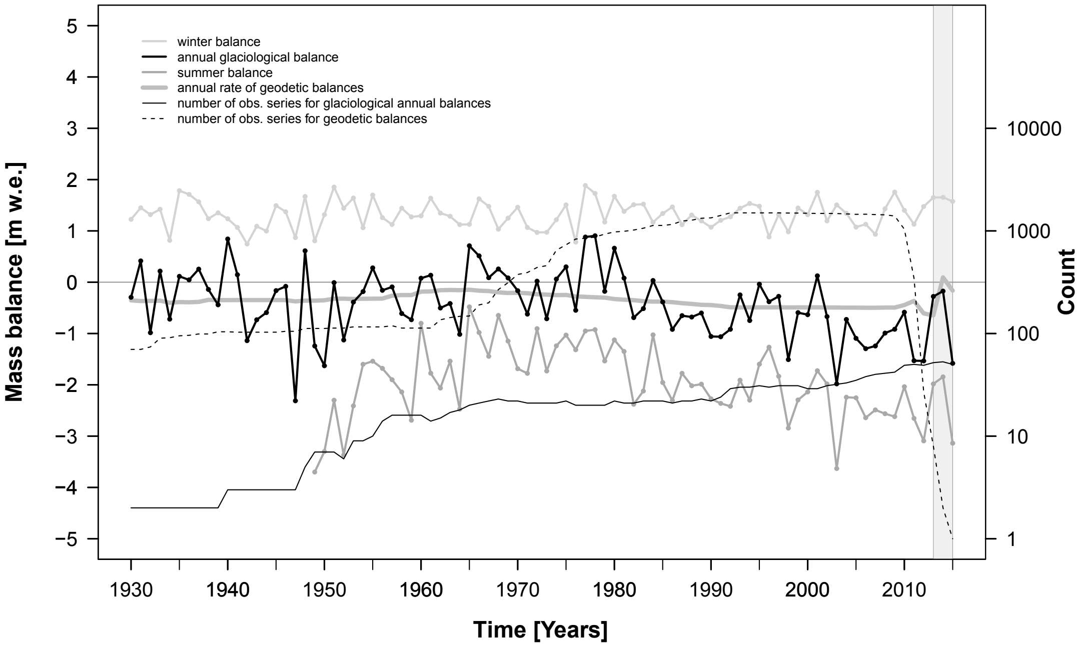



Figure 3.8.1 Regional mass balances: Annual glaciological balances (m w.e.) and annual rates of geodetic balances (m w.e. $a^{-1}$) are shown together with the corresponding number of observations. Geodetic balances were calculated assuming a glacier-wide average density of 850 kg $m^{-3}$.

Central Europe has about 2,000 $km^2$ of glacier ice. The major part of it is located in the Alps with Grosser Aletschgletscher as its largest valley glacier. The Alps represent the 'water tower' of Europe and form the watershed of the Mediterranean Sea, the North Sea/North Atlantic Ocean, and the Black Sea. Some smaller glaciers are found in the Pyrenees – a mountain range in southwest Europe which extends from the Bay of Biscay to the Mediterranean Sea. The glaciers are situated in the Maladeta massif in Spain and around the Vignemale peak in France. A few more perennial icefields exist e.g., in the Apennine, Italy, as well as in Slovenia and Poland.

Central Europe has the greatest number of available front variation and mass balance measurements, with many long-term series. From the over 60 mass balance series, ten have been maintained for more than 30 years. Over 700 front variation series cover the entire Alps, many with more than 100 observation years. In addition, reconstructed front variations are available for a dozen glaciers extending back to the 16th century. About three dozen front variation series are available from the Pyrenees range, some of them extending back to the 19th century. Mass balance measurements have been carried out at Maladeta (ES) and Ossoue (FR) glaciers. In the Apennine, long-term measurements are available from Calderone (IT).

Front variation observations give good documentation of the subsequent retreat with intermittent periods of re-advances in the 1890s, 1920s, and 1970–80s.

Glacier mass loss accelerated from close to zero balances in the 1960s and 1970s, to -560/-720/-1,030 mm w.e. $a^{-1}$ in the 1980s/1990s/2000s. Glaciological results are well supported by results from geodetic surveys, which provide data for all glaciers in Switzerland (Fischer et al., 2015), as well as other glaciers.

Seasonal balances show a relatively large mass turnover and a tendency towards more negative summer balances over the past decades. Regional mean balances were only slightly negative (-174 mm w.e.) in 2013/14 but very negative (-1,581 mm w.e.) in 2014/15. Regional glacier change assessments were recently published by Fischer (2016, and earlier issues), Huss et al. (2015), and SCNAT (2017).

| | |
|---|---|
| Estimated total glacier area ($km^2$): | 2,000 |
| **Front variations** | |
| - # of series*: | 734/319 |
| - # of obs. from stat. or adv. glaciers*: | 6,849/55 |
| - # of obs. from retreating glaciers*: | 22,287/534 |
| **Glaciological balances** | |
| - # of series*: | 77/53 |
| - # of observations*: | 1,786/103 |
| **Geodetic balances** | |
| - # of series°: | 1,452/1,421 |
| - # of observations°: | 1,993/1,490 |

* (total/2014 & 2015), ° (total/>2005)

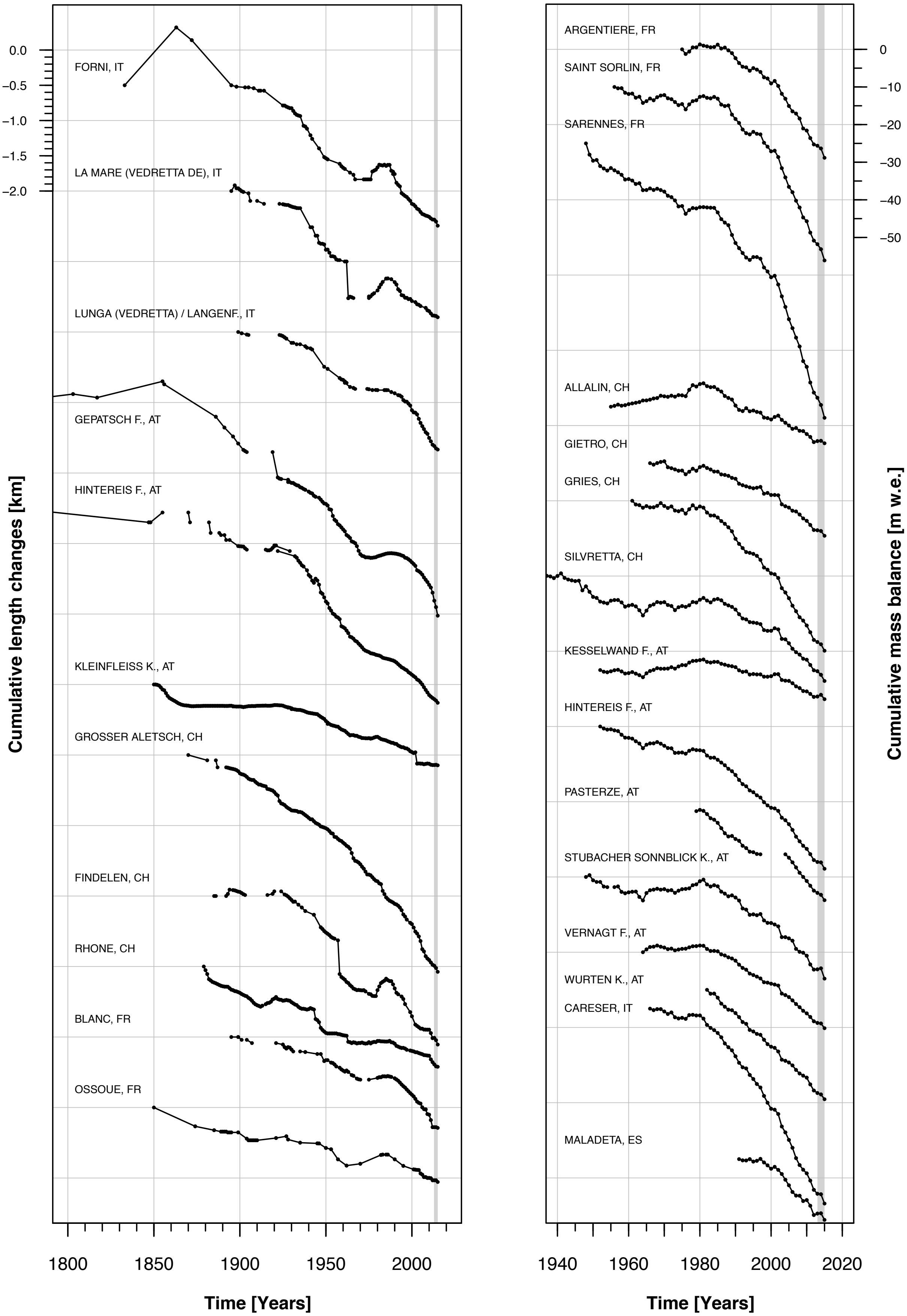



Figure 3.8.2 Cumulative length changes (left) and cumulative mass balances (right) of selected glaciers in Central Europe over the entire observation period.

# 3.9 CAUCASUS & MIDDLE EAST

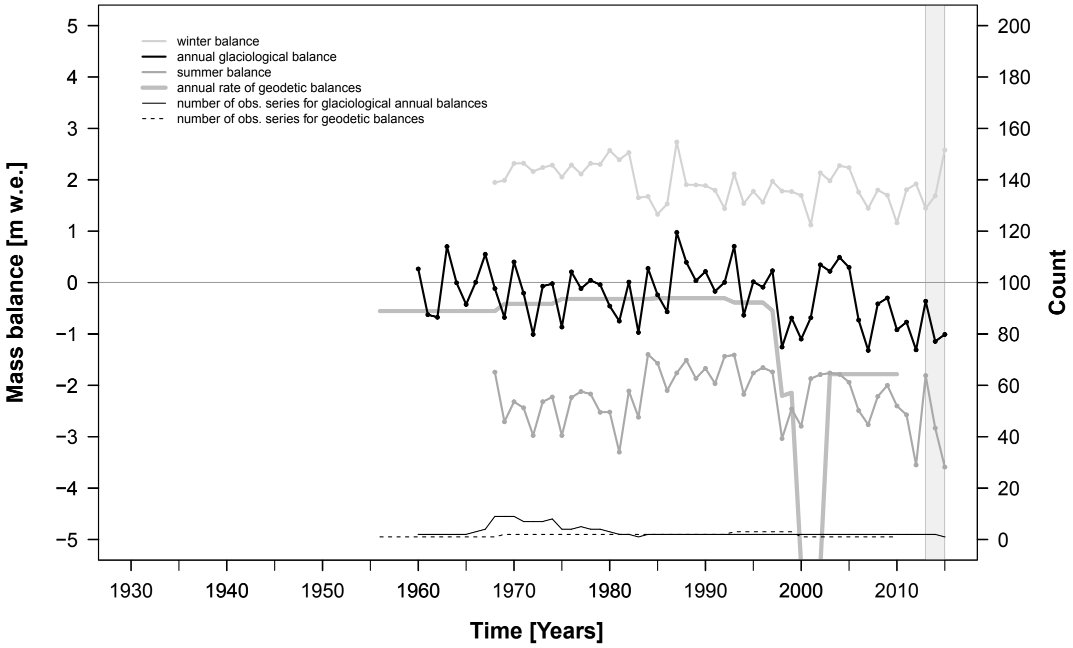



Figure 3.9.1 Regional mass balances: Annual glaciological balances (m w.e.) and annual rates of geodetic balances (m w.e. $a^{-1}$) are shown together with the corresponding number of observations. Geodetic balances were calculated assuming a glacier-wide average density of 850 kg $m^{-3}$.

About 1,000 $km^2$ of land surface ice is found in the Caucasus Mountains which are situated between the Black Sea and the Caspian Sea. Most of the glaciers are located in the northern Caucasus, with Mount Elbrus (5,642 m a.s.l.) considered the highest peak in Europe. The climate of the Caucasus varies with elevation and latitude. The northern slopes are a few degrees colder than the southern slopes and precipitation increases from east to west in most regions. In the Middle East, small glaciers are found on Mount Erciyes in Central Anatolia, Turkey, as well as in the higher elevations of the Sabalan, Takhte-Soleiman, Damavand, Oshtorankuh, and Zardkuh regions in Iran.

Mass balance measurements are reported from a dozen glaciers located in the Caucasus with ongoing long-term series at Djankuat and Garabashi (RU). Frontal variations of glaciers in the Caucasus as well as of Erciyes Glacier (TR) are well-documented throughout the 20th century. Geodetic measurements are available for only Djankuat and Alamkouh glaciers located in the Russian Caucasus and in the Takhte–Soleiman of Iran, respectively. In the Caucasus, glaciers reached their LIA maximum extents around 1850 (Grove, 2004). Glacier front variations show a general trend of glacier retreat with intermittent re-advances around the 1980s. No further length change measurements have been reported since 2010.

The few mass balance measurement series indicate negative mean balances around -250 mm w.e. $a^{-1}$ over the past decades, with a relatively large mass turnover. The poor fit between glaciological and geodetic results in the last two decades is caused by the very small geodetic sample size, and an unfortunate mixture of the moderately negative values from the Caucasus glaciers with the strongly negative values from Alamkouh Glacier, Iran. The mean balances of Djankuat and Garabashi glaciers were -1,145 and -1,010 mm w.e. in 2013/14 and 2014/15, respectively.

| | |
|---|---|
| Estimated total glacier area ($km^2$): | 1,500 |
| **Front variations** | |
| - # of series*: | 76/36 |
| - # of obs. from stat. or adv. glaciers*: | 243/0 |
| - # of obs. from retreating glaciers*: | 776/36 |
| **Glaciological balances** | |
| - # of series*: | 12/2 |
| - # of observations*: | 168/3 |
| **Geodetic balances** | |
| - # of series°: | 2/1 |
| - # of observations°: | 10/1 |

* (total/2014 & 2015), ° (total/>2005)

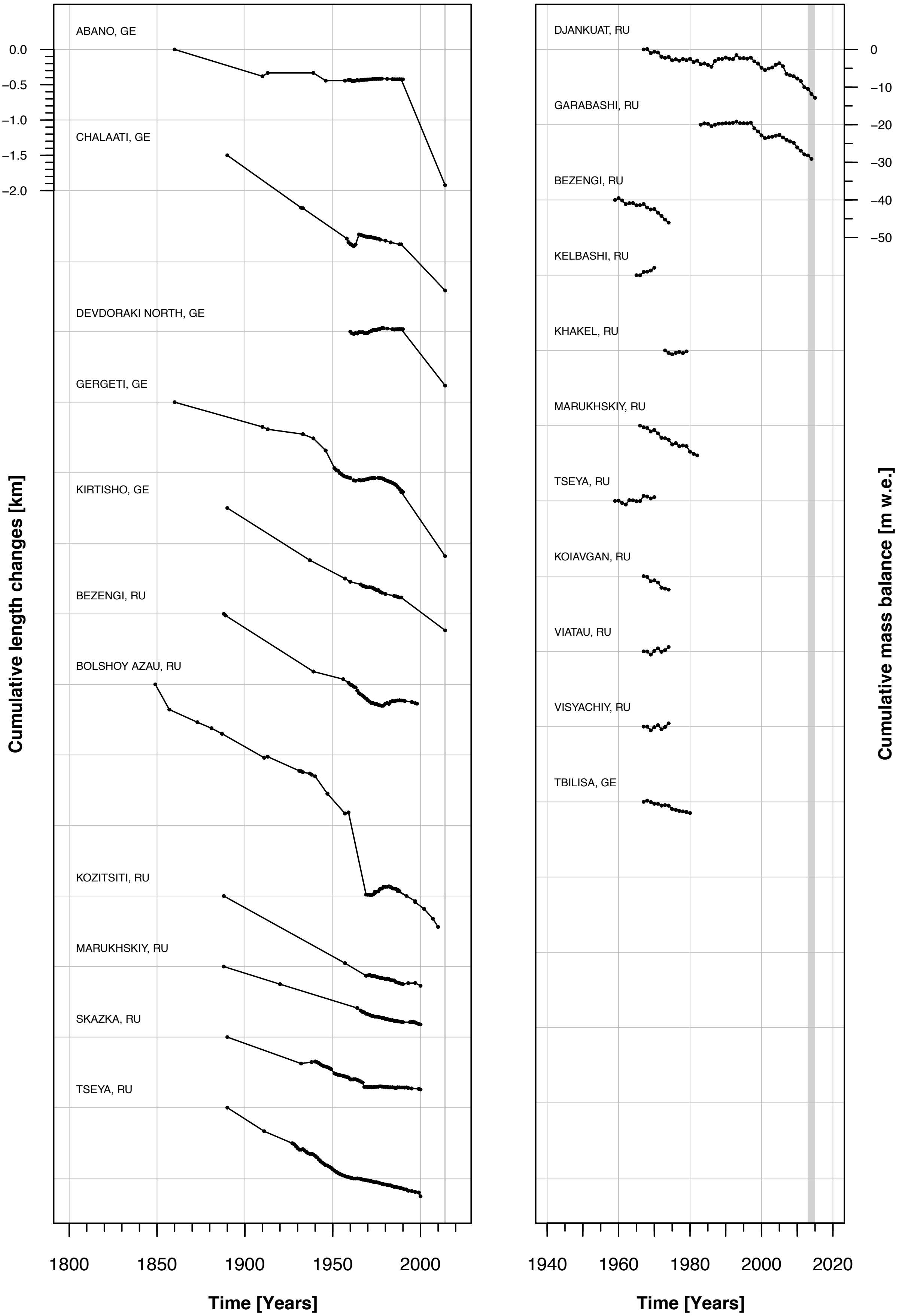



Figure 3.9.2 Cumulative length changes (left) and cumulative mass balances (right) of selected glaciers in Caucasus and Middle East over the entire observation period.

# 3.10 RUSSIAN ARCTIC

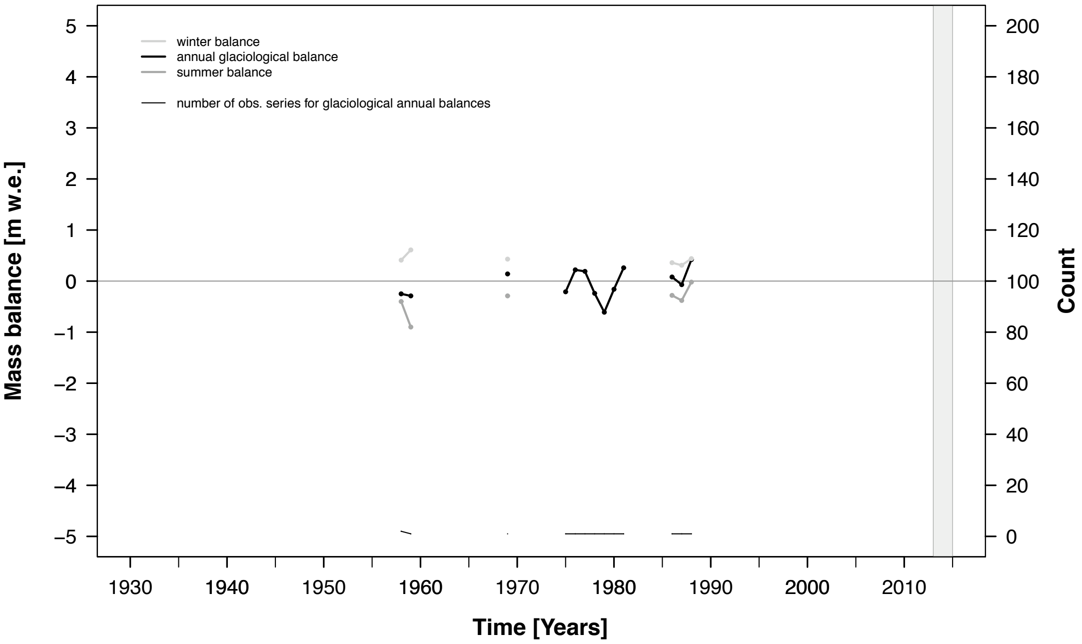



Figure 3.10.1 Regional mass balances: Annual glaciological balances (m w.e.) and annual rates of geodetic balances (m w.e. $a^{-1}$) are shown together with the corresponding number of observations. Geodetic balances were calculated assuming a glacier-wide average density of 850 kg $m^{-3}$.

Large ice caps are located on the Russian high Arctic archipelagos such as Novaya Zemlya, Severnaya Zemlya and Franz Josef Land totalling an area of 51,500 $km^2$. These glaciers are very much influenced by the North Atlantic Oscillation and sea ice conditions in the Barents and Kara Seas.

The glaciers in this region are not well investigated due to their remote locations. Front variations have been reported from about 40 outlet glaciers on Novaya Zemlya based on expeditions, topographic maps and remote sensing data (e.g., Carr et al., 2014).

Mass balance measurements are limited to a few observation years from Sedov Glacier on Hooker Island, Franz Josef Land, and Glacier No. 104, which is part of Vavilov Ice Cap on October Revolution Island, Severnaya Zemlya.

Dated moraines suggest LIA maxima around or after 1300 for some glaciers, and the late 19th century for others on Novaya Zemlya (Zeeberg & Forman, 2001). In the Russian Arctic islands, a slight reduction was found in the glacierized area of little more than one per cent over the past 50 years (Kotlyakov et al., 2006). Front variation observations document a rapid retreat of tidewater glaciers on Novaya Zemlya over the 20th century, with a more stable period during the 1950s and 1960s.

The small number of glaciological and geodetic observations do not allow for a sound estimate of glacier mass balance.

Regional glacier change assessments were recently published by Carr et al. (2014).

| | |
|---|---|
| Estimated total glacier area ($km^2$): | 51,500 |
| **Front variations** | |
| - # of series*: | 44/0 |
| - # of obs. from stat. or adv. glaciers*: | 151/0 |
| - # of obs. from retreating glaciers*: | 382/0 |
| **Glaciological balances** | |
| - # of series*: | 3/0 |
| - # of observations*: | 14/0 |
| **Geodetic balances** | |
| - # of series°: | 0/0 |
| - # of observations°: | 0/0 |

* (total/2014 & 2015), ° (total/>2005)

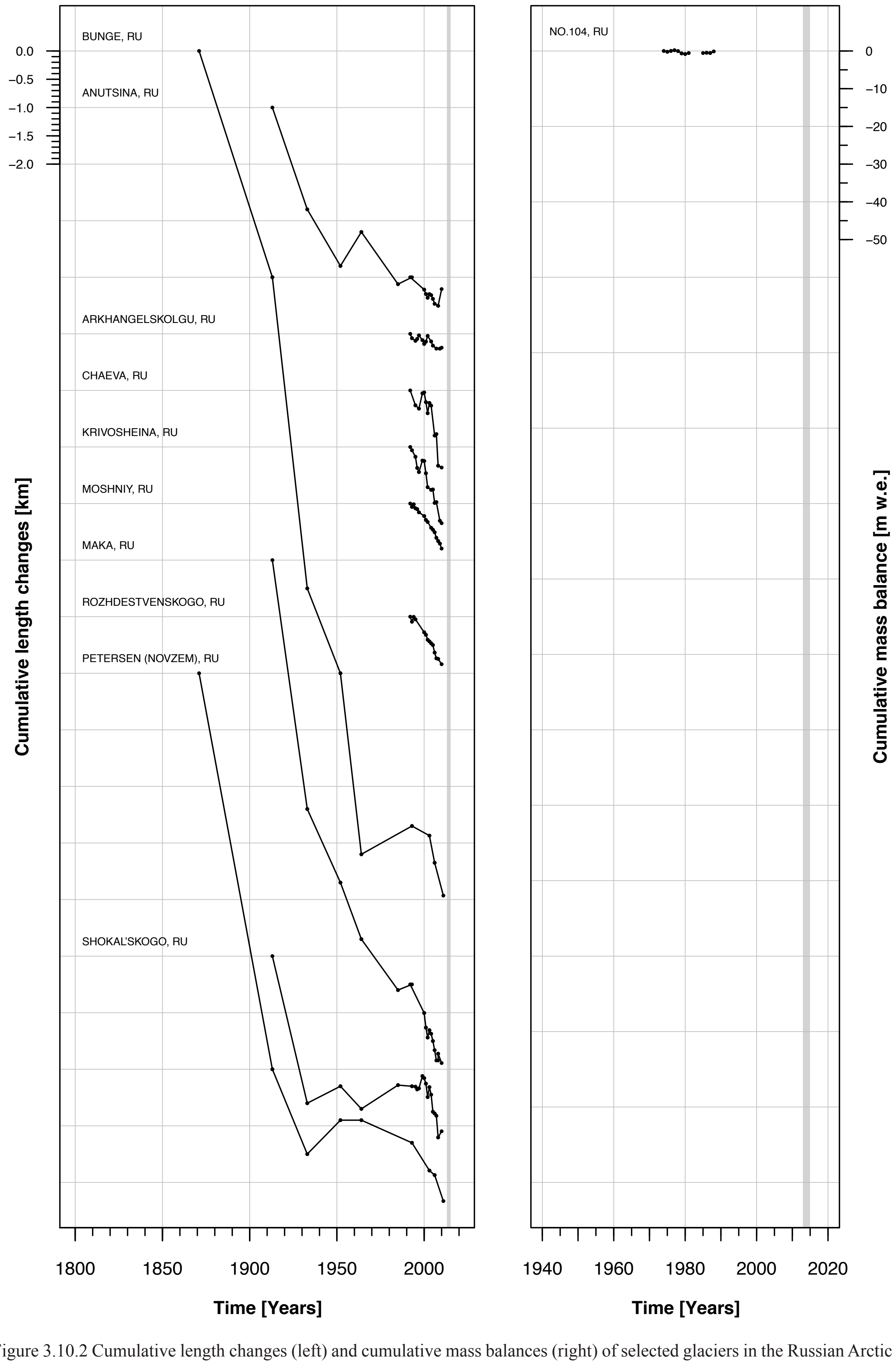



Figure 3.10.2 Cumulative length changes (left) and cumulative mass balances (right) of selected glaciers in the Russian Arctic over the entire observation period.

# 3.11 ASIA NORTH

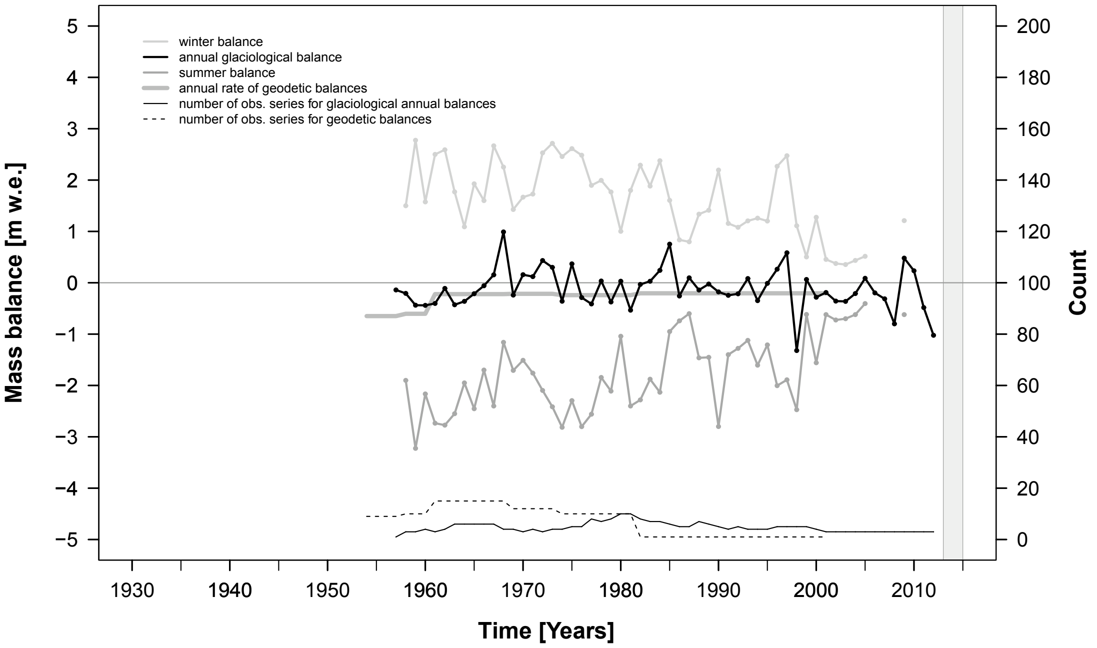



Figure 3.11.1 Regional mass balances: Annual glaciological balances (m w.e.) and annual rates of geodetic balances (m w.e. $a^{-1}$) are shown together with the corresponding number of observations. Geodetic balances were calculated assuming a glacier-wide average density of 850 kg $m^{-3}$.

In Northern Asia, glaciers with a total area of about 3,500 $km^2$ are located in the mountain ranges from the Ural to the Altai, in the east Siberian Mountains, and Kamchatka. The Ural Mountains form a north-south running mountain chain that extends about 2,500 km. Its mountain peaks reach 900 to 1,400 m a.s.l. hosting about 140 small glaciers in a continental climate. The Altai extends over about 2,100 km from Kazakhstan, China, and Russia to Mongolia, and hosts the greatest number of glaciers in this region. The east Siberian Mountains such as Cherskiy Range, Suntar-Khayata, and Kodar Mountains, have only small amounts of glacier ice. The topography of Kamchatka is characterized by numerous volcanoes with heights up to almost 5,000 m a.s.l. Here, many glaciers are strongly influenced by volcanic activities.

The available data series are sparse and most of them were discontinued in the latter decades of the 20th century. The few ongoing mass balance programmes are reported from Maliy Aktru, Leviy Aktru, and Vodopadniy (No. 125) glaciers in the Russian Altai. In Japan, long-term observations are carried out on Hamagury Yuki, a perennial snow patch which is located in the northern Alps of Central Japan.

Until some years ago, investigations in the Altay failed to reveal evidence of early LIA advances (Kotlyakov et al., 1991). New studies based on lichenometry indicate extended glacier states in the late 14th and mid-19th centuries (Solomina, 2000). In the Cherskiy Range, the LIA maxima extents have been dated as 1550–1850 (Gurney et al., 2008). On Kamchatka, the maximum stage of the LIA was reached in the 19th century (Grove, 2004), with advances of similar magnitude in the 17th and 18th centuries (Solomina, 2000). The few front variation series show a centennial retreat with no distinct re-advance periods. Kozelskiy Glacier on Kamchaka advanced during the 1950s to the mid-1980s.

Available mass balance measurements reveal slightly negative balances since the 1960s. The small number of glaciological and geodetic observations do not allow for a sound estimate of glacier mass balance.

| | |
|---|---|
| Estimated total glacier area ($km^2$): | 2,500 |
| **Front variations** | |
| - # of series*: | 23/0 |
| - # of obs. from stat. or adv. glaciers*: | 43/0 |
| - # of obs. from retreating glaciers*: | 321/0 |
| **Glaciological balances** | |
| - # of series*: | 19/1 |
| - # of observations*: | 264/0 |
| **Geodetic balances** | |
| - # of series°: | 11/0 |
| - # of observations°: | 18/0 |

* (total/2014 & 2015), ° (total/>2005)

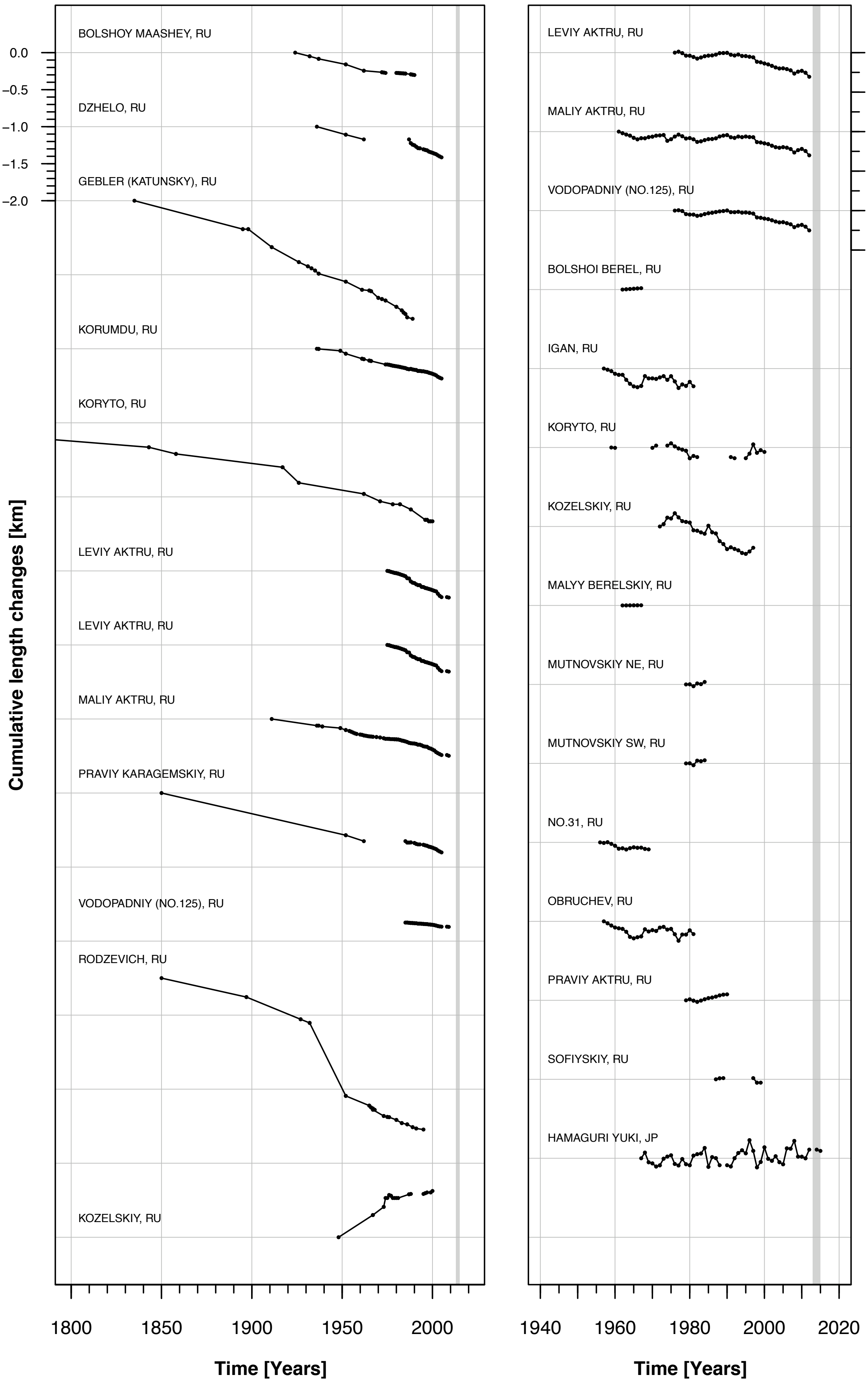



Figure 3.11.2 Cumulative length changes (left) and cumulative mass balances (right) of selected glaciers in Asia North over the entire observation period.

## 3.12 ASIA CENTRAL

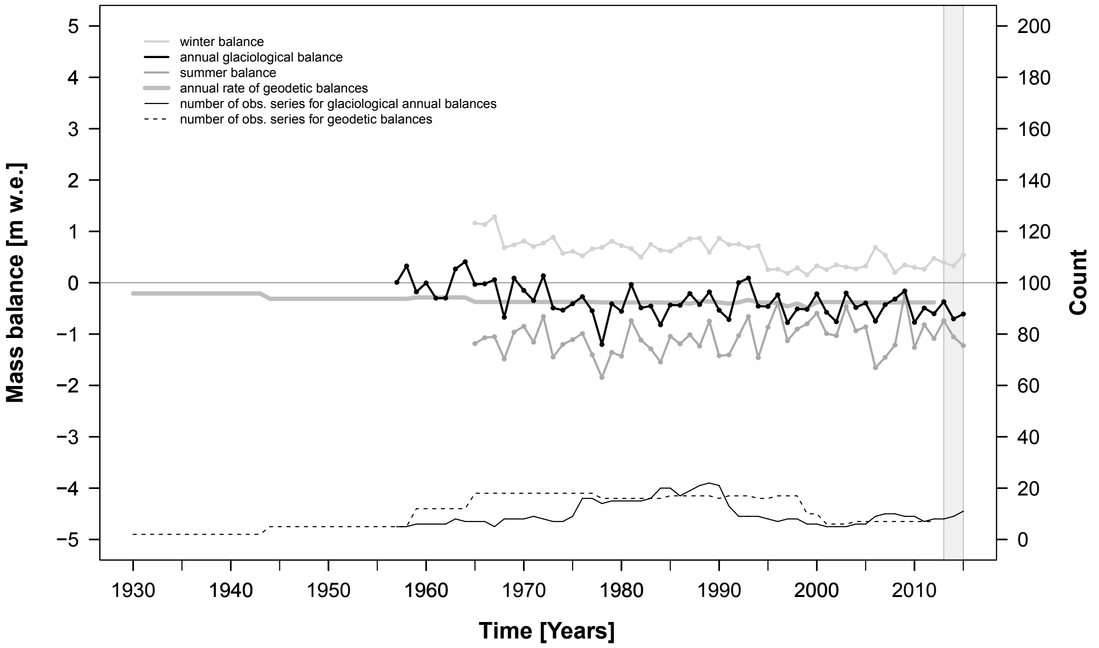



Figure 3.12.1 Regional mass balances: Annual glaciological balances (m w.e.) and annual rates of geodetic balances (m w.e. $a^{-1}$) are shown together with the corresponding number of observations. Geodetic balances were calculated assuming a glacier-wide average density of 850 kg $m^{-3}$.

Central Asia stretches from the Caspian Sea in the west to China in the east and from Russia in the north to Afghanistan in the south. It is characterised by a continental climate. Glaciers cover a total area of about 62,500 km$^2$ and are located in the Hissar Alay, Pamir, Tien Shan, Kunlun, and Qilian Mountains.

There is a large number of glacier fluctuation series available, distributed evenly over the region. However, continuous long-term measurements are sparse. Most of the observation series were discontinued after the demise of the Soviet Union. Only two of the long-term mass balance programmes have been continued: Ts. Tuyuksuyskiy and Urumqi Glacier No. 1 in the Kazakh and Chinese Tien Shan, respectively. In recent years, interrupted long-term mass balance measurements have been resumed at Abramov, Golubin, Glacier No. 354 (Akshiyrak), and Batysh Sook/Syek Zapadniy in Kyrgyzstan.

The LIA is considered to have lasted until the mid or late 19$^{th}$ century in most regions (Grove, 2004) with glacier maximum extents occurring between the 17$^{th}$ and mid 19$^{th}$ centuries (Solomina, 1996; Su & Shi, 2002; Kutuzov, 2005). Front variation observations show a general retreat over the 20$^{th}$ century with some re-advances around the 1970s.

The available mass balance measurements indicate slightly negative balances in the 1950s and 1960s with increased ice loss of about -500 mm w.e. $a^{-1}$ between the 1970s and 2000s. Seasonal balances show a relatively small mass turnover. The glaciological results are supported by the available geodetic surveys. Regional average balances for 2013/14 and 2014/15 were -704 and -610 mm w.e., respectively.

Regional glacier change assessments were recently published by Sorg et al. (2012), Unger-Shayesteh et al. (2013), Farinotti et al. (2015), and Hoelzle et al. (2017).

| | |
|---|---|
| Estimated total glacier area (km$^2$): | 49,500 |
| **Front variations** | |
| - # of series*: | 293/10 |
| - # of obs. from stat. or adv. glaciers*: | 353/0 |
| - # of obs. from retreating glaciers*: | 1,158/17 |
| **Glaciological balances** | |
| - # of series*: | 41/11 |
| - # of observations*: | 599/20 |
| **Geodetic balances** | |
| - # of series°: | 19/7 |
| - # of observations°: | 40/7 |

* (total/2014 & 2015), ° (total/>2005)

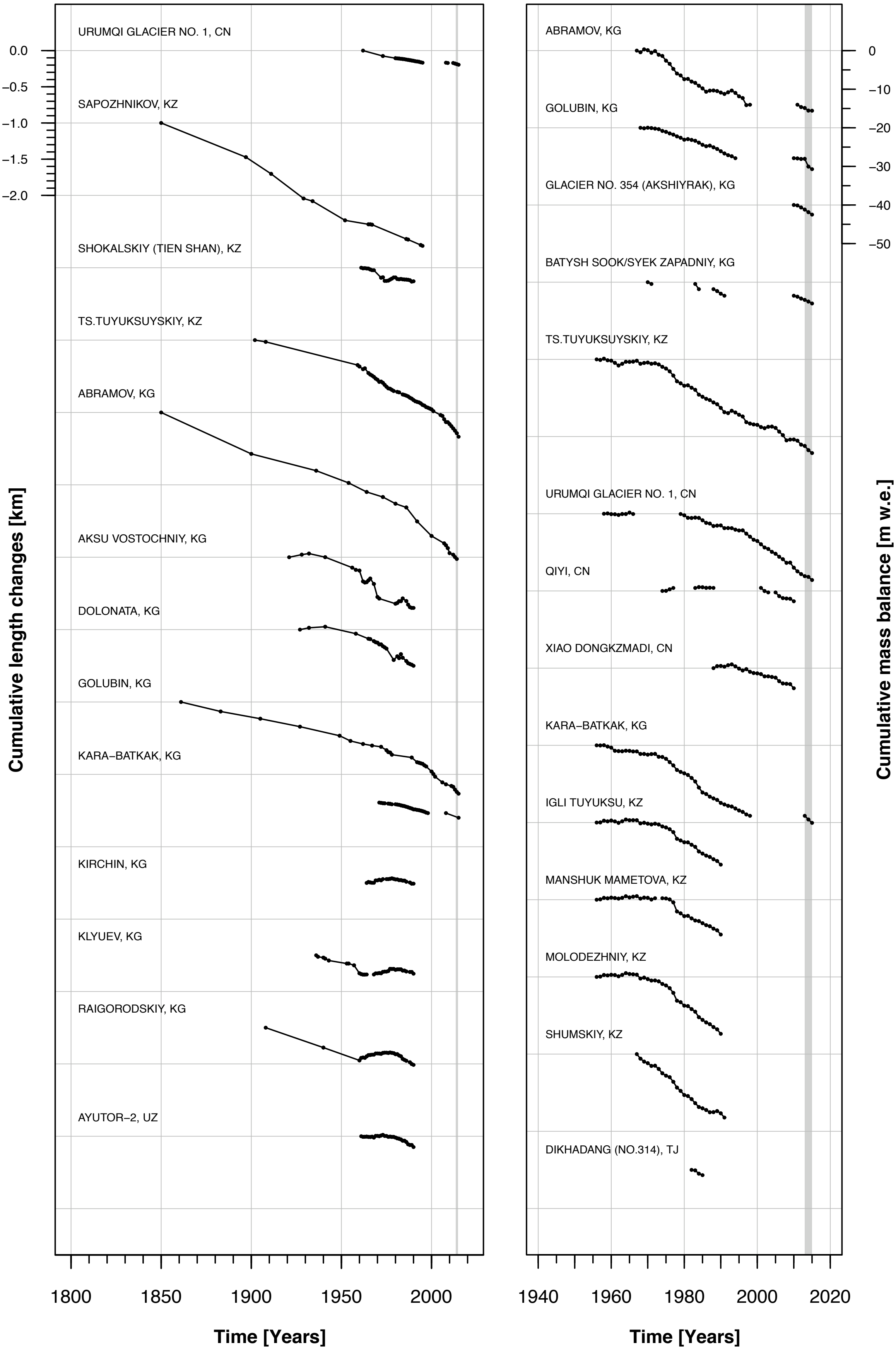



Figure 3.12.2 Cumulative length changes (left) and cumulative mass balances (right) of selected glaciers in Asia Central over the entire observation period.

## 3.13 ASIA SOUTH WEST & SOUTH EAST

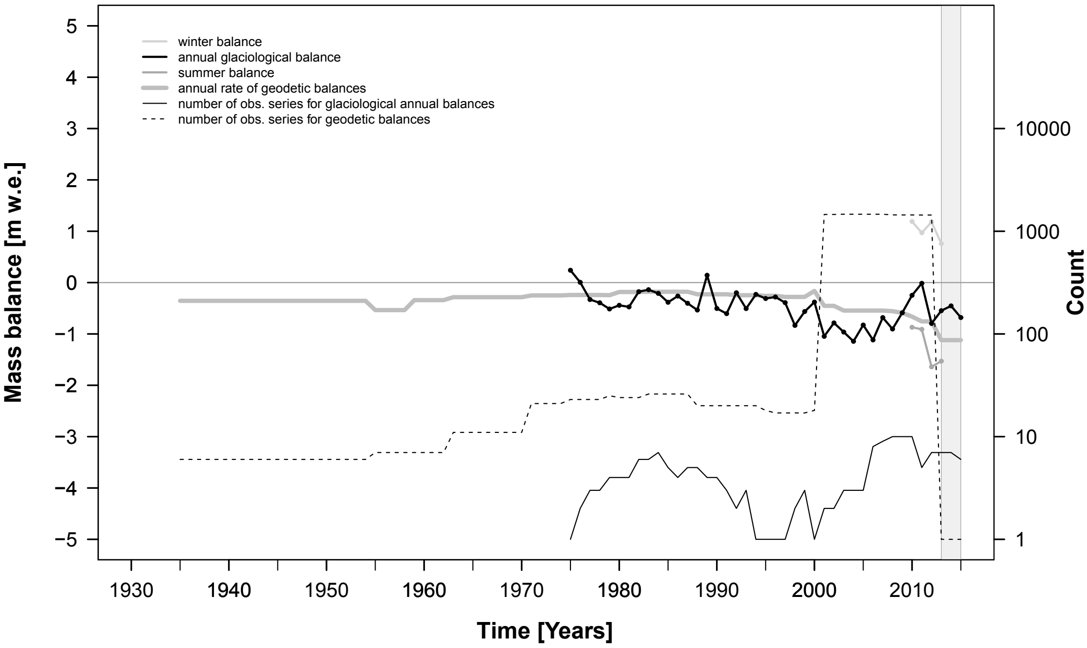



Figure 3.13.1 Regional mass balances: Annual glaciological balances (m w.e.) and annual rates of geodetic balances (m w.e. $a^{-1}$) are shown together with the corresponding number of observations. Geodetic balances were calculated assuming a glacier-wide average density of 850 kg $m^{-3}$.

Adjacent to Central Asia, the regions Asia South West and Asia South East comprise the Karakoram, Hindu Kush, Himalaya, and Hengduan Shan mountain ranges. The Himalaya is the largest mountain range in the world and extends from the Nanga Parbat (8,126 m a.s.l.) in the NW over 2,500 km to the Mancha Barwa (7,782 m a.s.l.) in the SE. The climate, and the precipitation in particular, is characterized by the influence of the South Asian monsoon in summer and the mid-latitude westerlies in winter. The glacier area in this region totals about 49,000 km$^2$.

The data coverage of Asia South West is very sparse. The only reported mass balance series of more than 10 years is from Chhota Shigri located in the Himachal Pradesh, India. Also Asia South West lacks long-term glacier observation series. Recent mass balance results are reported from Parlung Glacier No. 94, located in the south-eastern Tibetan Plateau, and from Yala, Rikha Samba, Pokalde, West Changri Nup and Mera glaciers in Nepal.

The LIA is considered to have lasted until the mid or late 19th century in most regions (Grove, 2004) with glacier maximum extents occurring between the 17th and mid-19th century (Solomina, 1996; Su & Shi, 2002; Kutuzov, 2005). Front variation observations show a general retreat over the 20th century with no marked period of glacier re-advances.

Glaciological and geodetic surveys reported from a variable glacier sample indicate an ice loss at the rate of a few hundred millimetres w.e. $a^{-1}$ over the past decades. For 2013/14 and 2014/15, reported balances were -828 and -680 mm w.e., respectively, in Asia South East and -80 mm w.e. in 2013/14 for Chhota Shigri (Asia South West). From the Karakoram, information about positive mass balances and re-advances of (mainly surge-type) glaciers has been reported for the beginning of the 21st century. However, the corresponding data has not (yet) been made available.

Regional glacier change assessments were recently published by Gardelle et al. (2013), Rankl et al. (2014), and Vijay et al. (2016).

| | |
|---|---|
| Estimated total glacier area (km$^2$): | 49,000 |
| **Front variations** | |
| - # of series*: | 87/2 |
| - # of obs. from stat. or adv. glaciers*: | 64/0 |
| - # of obs. from retreating glaciers*: | 268/4 |
| **Glaciological balances** | |
| - # of series*: | 30/7 |
| - # of observations*: | 177/13 |
| **Geodetic balances** | |
| - # of series°: | 1,461/1,453 |
| - # of observations°: | 1,491/1,465 |

* (total/2014& 2015), ° (total/>2005)

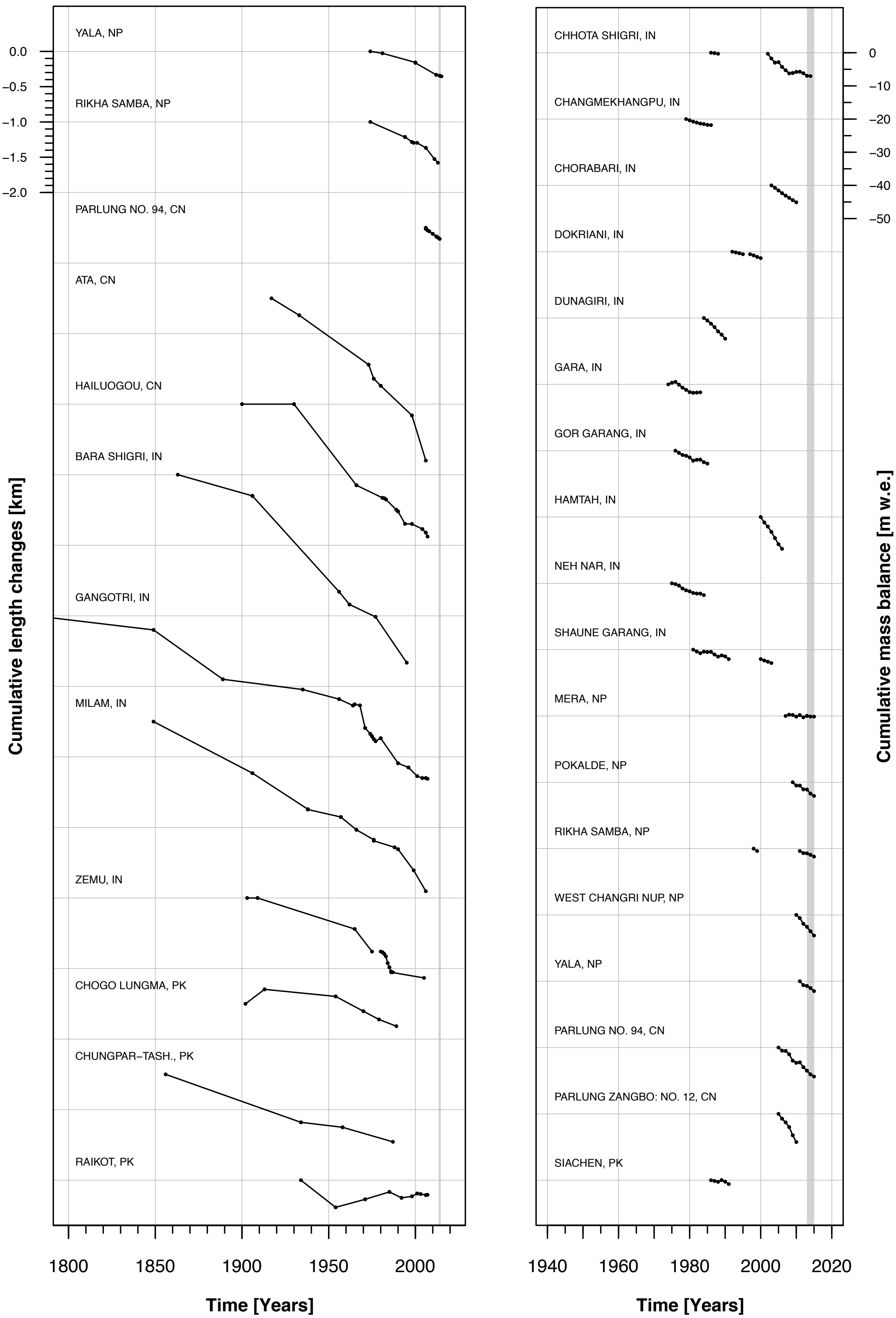



Figure 3.13.2 Cumulative length changes (left) and cumulative mass balances (right) of selected glaciers in Asia South East and South West over the entire observation period.

# 3.14 LOW LATITUDES (incl. Africa & New Guinea)

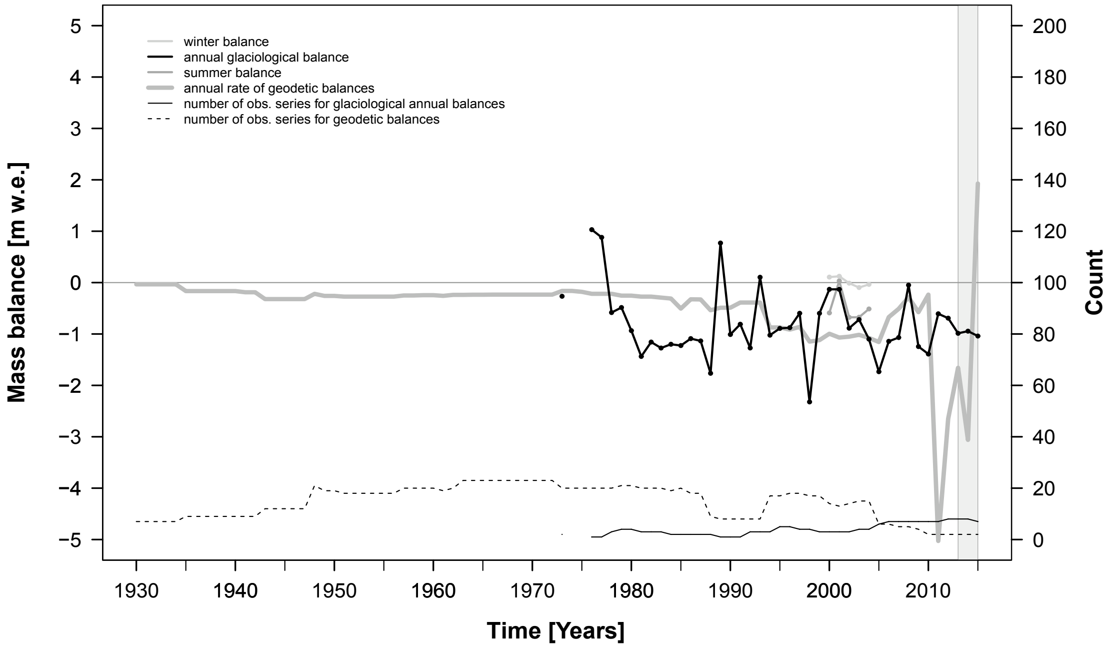



Figure 3.14.1 Regional mass balances: Annual glaciological balances (m w.e.) and annual rates of geodetic balances (m w.e. $a^{-1}$) are shown together with the corresponding number of observations. Geodetic balances were calculated assuming a glacier-wide average density of 850 kg $m^{-3}$.

Glaciers in the low latitudes are situated on the highest mountain peaks of Mexico and in the tropical Andes. In addition, a few ice bodies are located in East Africa on Ruwenzori, Mount Kenya and Kilimanjaro, as well as in Papua (formerly Irian Jaya, Indonesia) and Papua New Guinea. The glacier area of the Low Latitudes totals about 2,500 km$^2$ of which the largest parts are located in Peru and Bolivia. In the tropical Andes, long-term monthly mass balance measurements are carried out at Zongo and Charquini Sur glaciers (BO), Antizana 15 Alpha (EC), and Conejeras (CO). Several dozen front variation series document glacier retreat over the past half-century. Front variations of glaciers in Africa and New Guinea are well documented with a few observation series back to the 19$^{th}$ century. From Lewis Glacier on Mount Kenya, mass balance measurements have been reported between 1978/79 and 1995/96 and again between 2010/11 and 2013/14.

In the tropical Andes, glaciers reached their latest LIA maximum extensions between the mid-17$^{th}$ and early 18$^{th}$ centuries (Rabatel et al., 2013). Glaciers in Peru and Ecuador were in advanced positions until the 1860s, followed by a rapid retreat (Grove, 2004). Front variation observations document a general retreat over the 20$^{th}$ century, with increase retreat rates since the late 1970s. In Africa, glaciers reached their LIA maximum extents towards the late 19$^{th}$ century (Hastenrath, 2001) followed by a continuous retreat until present. In New Guinea, glaciers reached their LIA maxima in the mid-19$^{th}$ century. Here the glacier changes have been traced from information on glacier extents derived from historical records, dated cairns erected during several expeditions, and remote sensing data. All ice masses except some on Punkcak Java seem to have now disappeared.

The regional mass balance shows a strong interannual variability with an average mass balance around -800 mm w.e. $a^{-1}$ since between the 1970s and the 2000s. The reported balances for 2013/14 and 2014/15 were -945 and -1,040 mm w.e., respectively. Regional glacier change assessments were recently published by Prinz et al. (2011) and Rabatel et al. (2013).

| | |
|---|---|
| Estimated total glacier area (km$^2$): | 2,500 |
| **Front variations** | |
| - # of series*: | 89/9 |
| - # of obs. from stat. or adv. glaciers*: | 50/3 |
| - # of obs. from retreating glaciers*: | 501/7 |
| **Glaciological balances** | |
| - # of series*: | 14/8 |
| - # of observations*: | 163/15 |
| **Geodetic balances** | |
| - # of series°: | 39/6 |
| - # of observations°: | 128/41 |

* (total/2014 & 2015), ° (total/>2005)

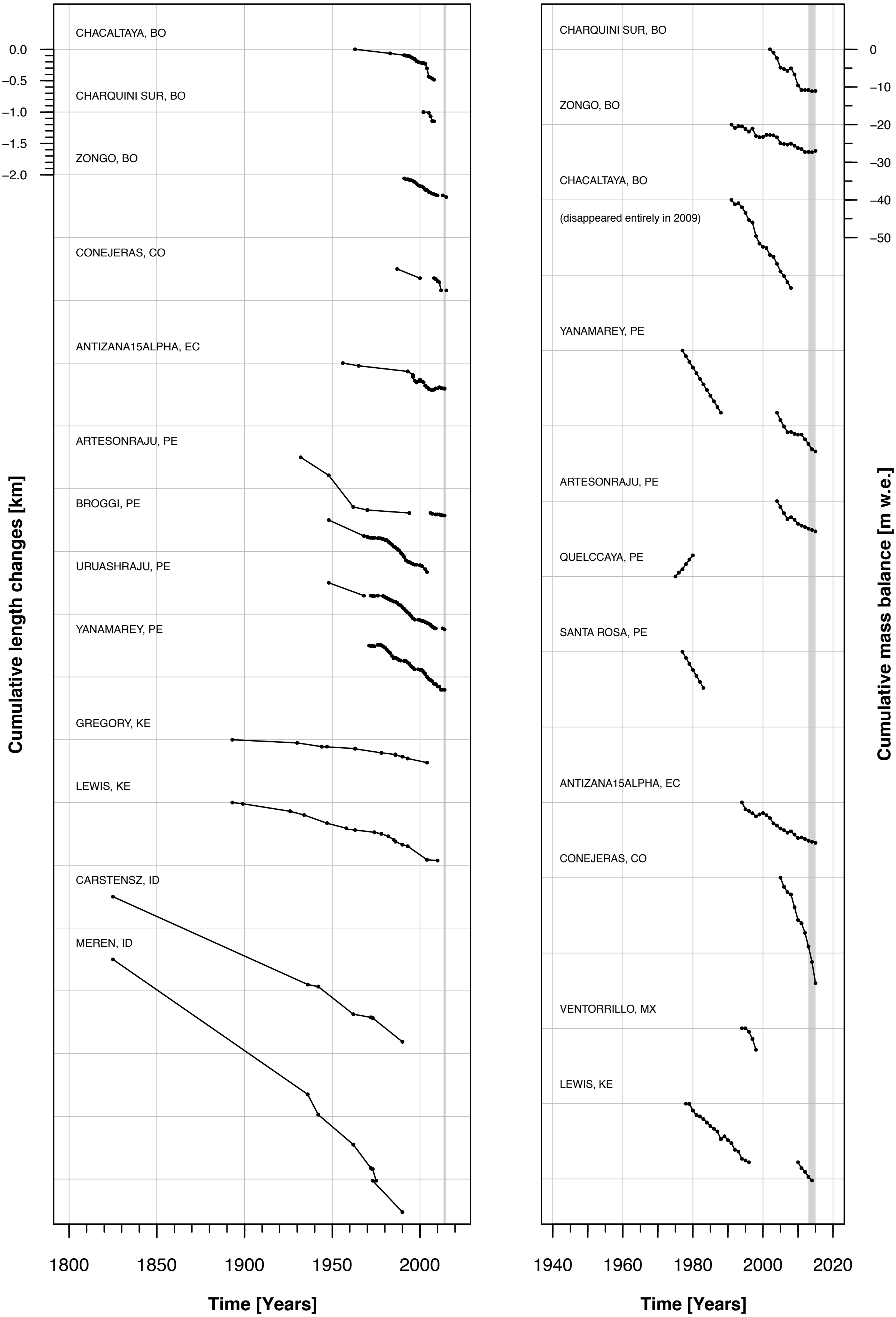



Figure 3.14.2 Cumulative length changes (left) and cumulative mass balances (right) of selected glaciers in the Low Latitudes over the entire observation period.

## 3.15 SOUTHERN ANDES

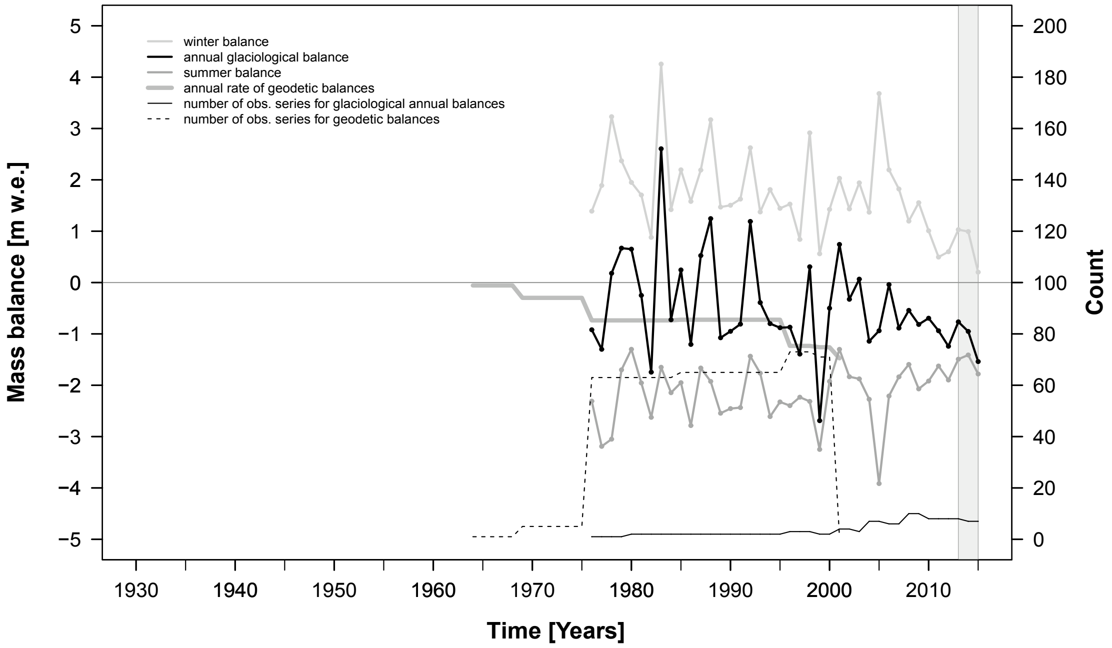



Figure 3.15.1 Regional mass balances: Annual glaciological balances (m w.e.) and annual rates of geodetic balances (m w.e. $a^{-1}$) are shown together with the corresponding number of observations. Geodetic balances were calculated assuming a glacier-wide average density of 850 kg $m^{-3}$.

The Southern Andes contain the glaciers of Argentina and Chile. The entire glacier area totals about 29,000 $km^2$, most of which is located in the Northern and Southern Patagonian Icefields as well as in the Cordillera Darwin mountain range in Tierra del Fuego. The climate and topography varies along the Andes, creating different types of glaciers. The longest mass balance series of the entire Andes is reported from Echaurren Norte (CL) with continuous measurements since 1975/76. Besides this, observations series of more than ten years are available only from Martial Este (AR), Guanaco (CL), and Piloto Este (AR). From the Patagonian Ice fields, geodetic thickness change estimates and front variation measurements are available for most outlet glaciers. The available observations cover the second half of the 20th century but are usually not continued into the 21st century.

In the Southern Andes, most glaciers reached their LIA maximum between the late 17th and early 19th century (Masiokas et al., 2009). Most front variation measurements document a general retreat since the LIA maximum extent with some re-advances in the 1980s and an enhanced retreat trend in recent decades. There have been a few well-documented cases of surging glaciers, the most recent being Horcones Inferior and Nevado del Plomo in Argentina.

The available mass balance measurements indicate a strong interannual variability with decadal mean balances slightly negative in the 1970s, 1980s, and 2000s; and -680 mm w.e. $a^{-1}$ in the 1990s. The reported balances for 2013/14 and 2014/15 were -952 and -1,539 mm w.e., respectively.

Based on geodetic surveys, the Patagonian Ice fields show a general thinning trend towards the end of the 20th and early 21st centuries. Most of the major outlet glaciers feature a strong centennial retreat. Exceptions in the Southern Patagonian Ice field are Pio XI (Brüggen) with the maximum observed advance and Perito Moreno, almost stationary. Garibaldi in Tierra del Fuego also displays an advance phase of its calving dynamics. Regional glacier change assessments were recently published by Masiokas et al. (2015) and White & Copland (2015), for example.

| | |
|---|---|
| Estimated total glacier area ($km^2$): | 29,000 |
| **Front variations** | |
| - # of series*: | 206/6 |
| - # of obs. from stat. or adv. glaciers*: | 168/0 |
| - # of obs. from retreating glaciers*: | 498/6 |
| **Glaciological balances** | |
| - # of series*: | 14/7 |
| - # of observations*: | 153/14 |
| **Geodetic balances** | |
| - # of series°: | 67/4 |
| - # of observations°: | 87/4 |

* (total/2014 & 2015), ° (total/>2005)

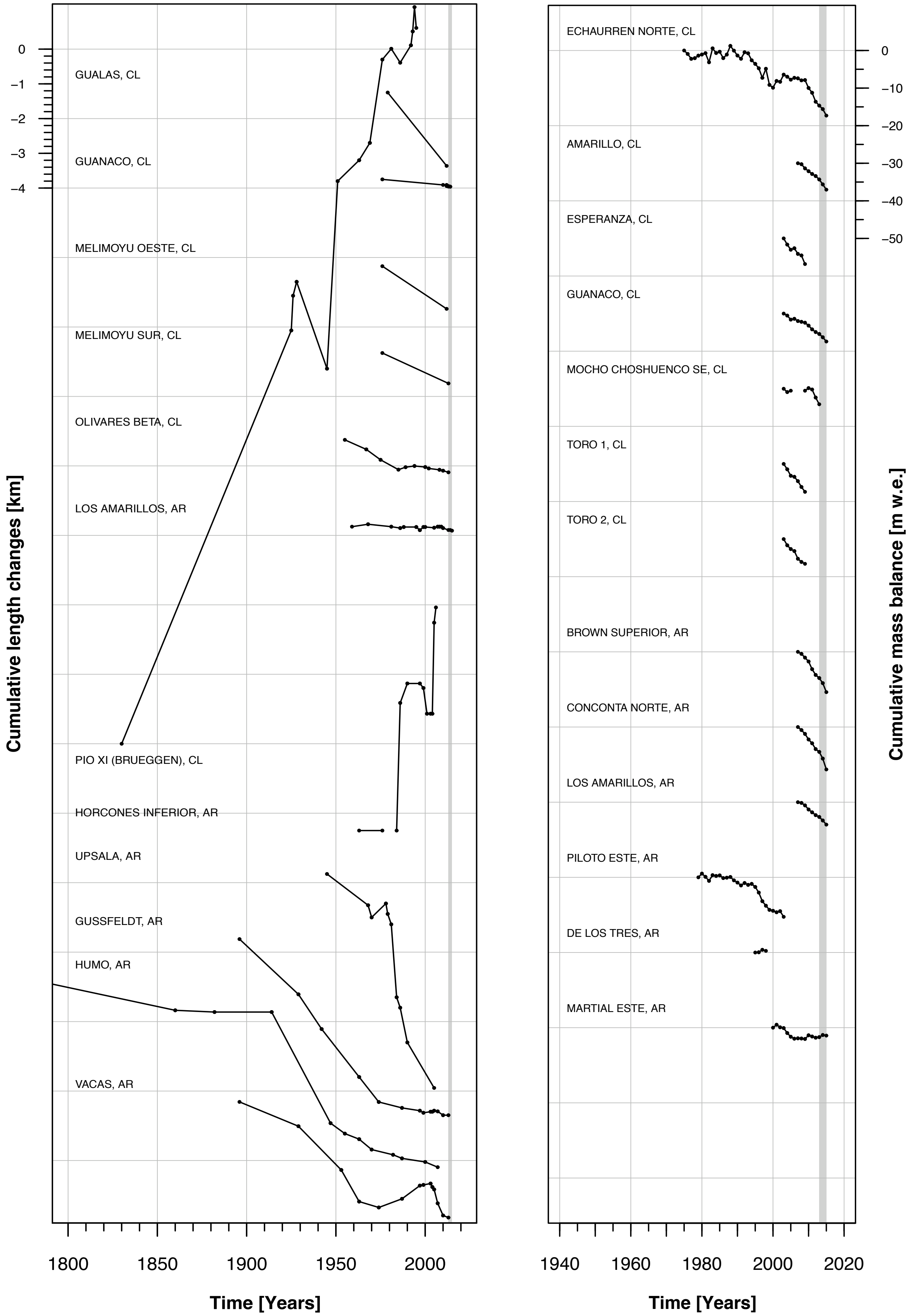



Figure 3.15.2 Cumulative length changes (left) and cumulative mass balances (right) of selected glaciers in the Southern Andes over the entire observation period.

## 3.16 NEW ZEALAND

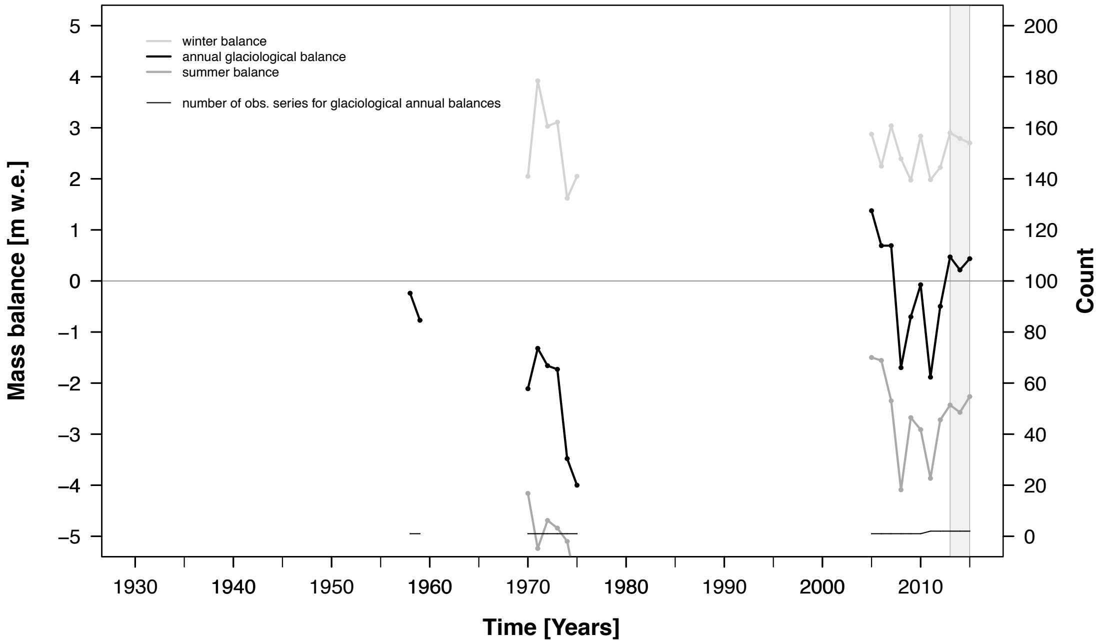



Figure 3.16.1 Regional mass balances: Annual glaciological balances (m w.e.) and annual rates of geodetic balances (m w.e. $a^{-1}$) are shown together with the corresponding number of observations. Geodetic balances were calculated assuming a glacier-wide average density of 850 kg $m^{-3}$.

The majority of glaciers in New Zealand are located along the Southern Alps spanning the length of the South Island between 42° and 46° south. Their climatic regime is characterized by high precipitation with extreme gradients. Mean annual precipitation amounts to 4,500 mm on the west side (Whataroa) of the Alps and maximum values of up to 15,000 mm (cf. WGMS, 2008).

Mount Cook is the highest peak at 3,754 m a.s.l. The Tasman Glacier, the largest glacier in New Zealand, is located below its flank. In total, the inventory of 1978 reported 3,144 glaciers covering an area of about 1,000 $km^2$ with an estimated total ice volume of about 53 $km^3$ at that time (Chinn, 2001).

New Zealand has a long history of glacier observation; however, most of the available front variation series are of qualitative character, i.e., indicating whether glacier fronts are advancing, retreating or stationary. Long-term quantitative front variation series are reported for Franz Josef, Fox, and Stocking Glaciers. Mass balance observations are available for only a few glaciers; recent measurements have been reported for Brewster and Rolleston.

Since 1977, the end-of-summer-snow-line has been surveyed on fifty index glaciers distributed over the Southern Alps. The surveys are carried out by hand-held oblique photography taken from a light aircraft. Methods, data and more details are given in Chinn et al. (2005).

The few mass balance measurements indicate a large interannual variability with an average mean balance of a few hundred millimetres w.e. $a^{-1}$. Seasonal balances indicate very large mass turnover. Average annual balances (of Rolleston and Brewster) were positive with 216 and 436 mm w.e. in 2013/14 and 2014/15, respectively.

Regional glacier change assessments were recently published by Mackintosh et al. (2017).

| | |
|---|---|
| Estimated total glacier area ($km^2$): | 1,000 |
| **Front variations** | |
| - # of series*: | 103/54 |
| - # of obs. from stat. or adv. glaciers*: | 447/19 |
| - # of obs. from retreating glaciers*: | 564/54 |
| **Glaciological balances** | |
| - # of series*: | 5/2 |
| - # of observations*: | 24/4 |
| **Geodetic balances** | |
| - # of series°: | 0/0 |
| - # of observations°: | 0/0 |

* (total/2014 & 2015), ° (total/>2005)

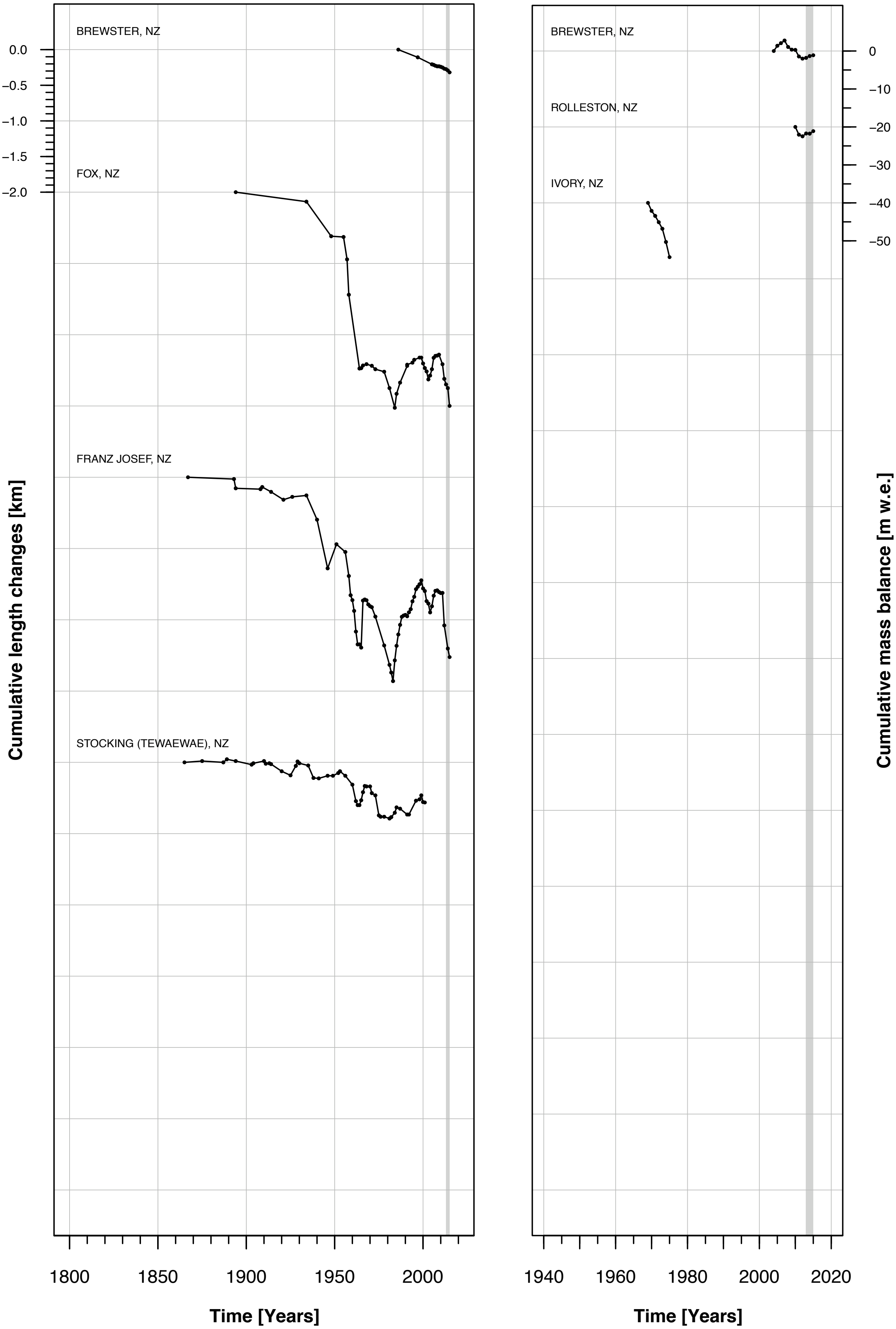



Figure 3.16.2 Cumulative length changes (left) and cumulative mass balances (right) of selected glaciers in New Zealand over the entire observation period.

# 3.17 ANTARCTICA & SUBANTARCTIC ISLANDS

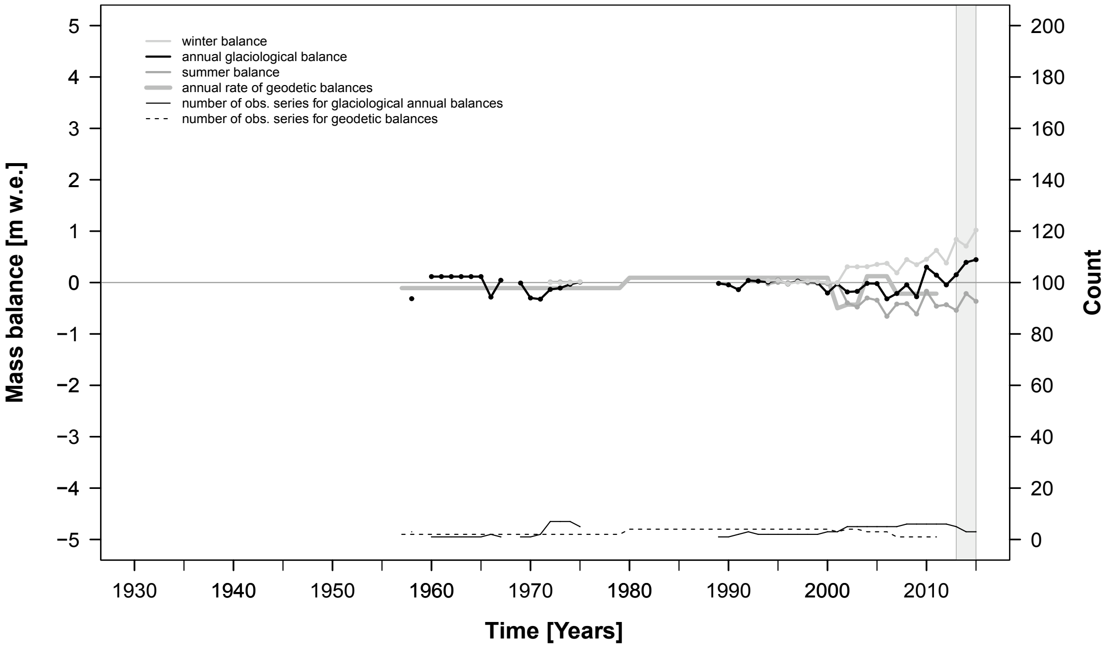



Figure 3.17.1 Regional mass balances: Annual glaciological balances (m w.e.) and annual rates of geodetic balances (m w.e. $a^{-1}$) are shown together with the corresponding number of observations. Geodetic balances were calculated assuming a glacier-wide average density of 850 kg $m^{-3}$.

The total area of local glaciers in and around Antarctica is estimated to be about 130,000 $km^2$. Mainly due to the remoteness and the immense size of the ice masses, little is known about these glaciers. There are three categories of local glaciers outside the ice sheet: coastal glaciers, ice streams which are discrete dynamic units attached to the ice sheet, and isolated ice caps. In addition, glaciers are situated on Subantarctic Islands such as the South Shetland Islands, South Georgia, Heard Islands, and Kerguelen with a total estimated ice cover of roughly 7,000 $km^2$. Mass balance measurements are available from only a dozens of glaciers. Series of more than ten years are reported from Bahía del Diablo on Vega Island as well as from Hurd and Johnsons glaciers on Livingston Island located east and west of the northern tip of the Antarctic Peninsula.

Evidence of the timing of LIA glacier maxima south of the Antarctic Circle (66° 30' S) is sparse due to the lack of organic material for dating (Grove, 2004). For South Georgia, LIA maximum extends are reported for the 18th, 19th, and 20th centuries (Clapperton et al., 1989a, b).

Front variations, derived from aerial photographs and satellite images, of glaciers on the Antarctic Peninsula show a vast majority of glaciers retreating over the past six decades. Glaciers on South Georgia receded overall by varying amounts from their more advanced positions in the 19th century, with large tidewater glaciers showing a more variable behaviour and remaining in relatively advanced positions until the 1980s. According to expedition records, little or no change occurred on glaciers at Heard Island during the first decades of the 20th century (Grove, 2004). However, in the second half, glacier recession has been widespread, interrupted by a period of some re-advancing glaciers in the 1960s. The very few glaciological and geodetic surveys indicate slightly negative mass balances since the 1960s and some positive years recently. Reported balance for 2013/14 and 2014/15 averaged at 393 and 445 mm w.e., respectively.

| | |
|---|---|
| Estimated total glacier area ($km^2$): | 133,000 |
| **Front variations** | |
| - # of series*: | 308/1 |
| - # of obs. from stat. or adv. glaciers*: | 136/2 |
| - # of obs. from retreating glaciers*: | 364/0 |
| **Glaciological balances** | |
| - # of series*: | 22/3 |
| - # of observations*: | 142/6 |
| **Geodetic balances** | |
| - # of series°: | 6/3 |
| - # of observations°: | 6/3 |

* (total/2014 & 2015), ° (total/>2005)

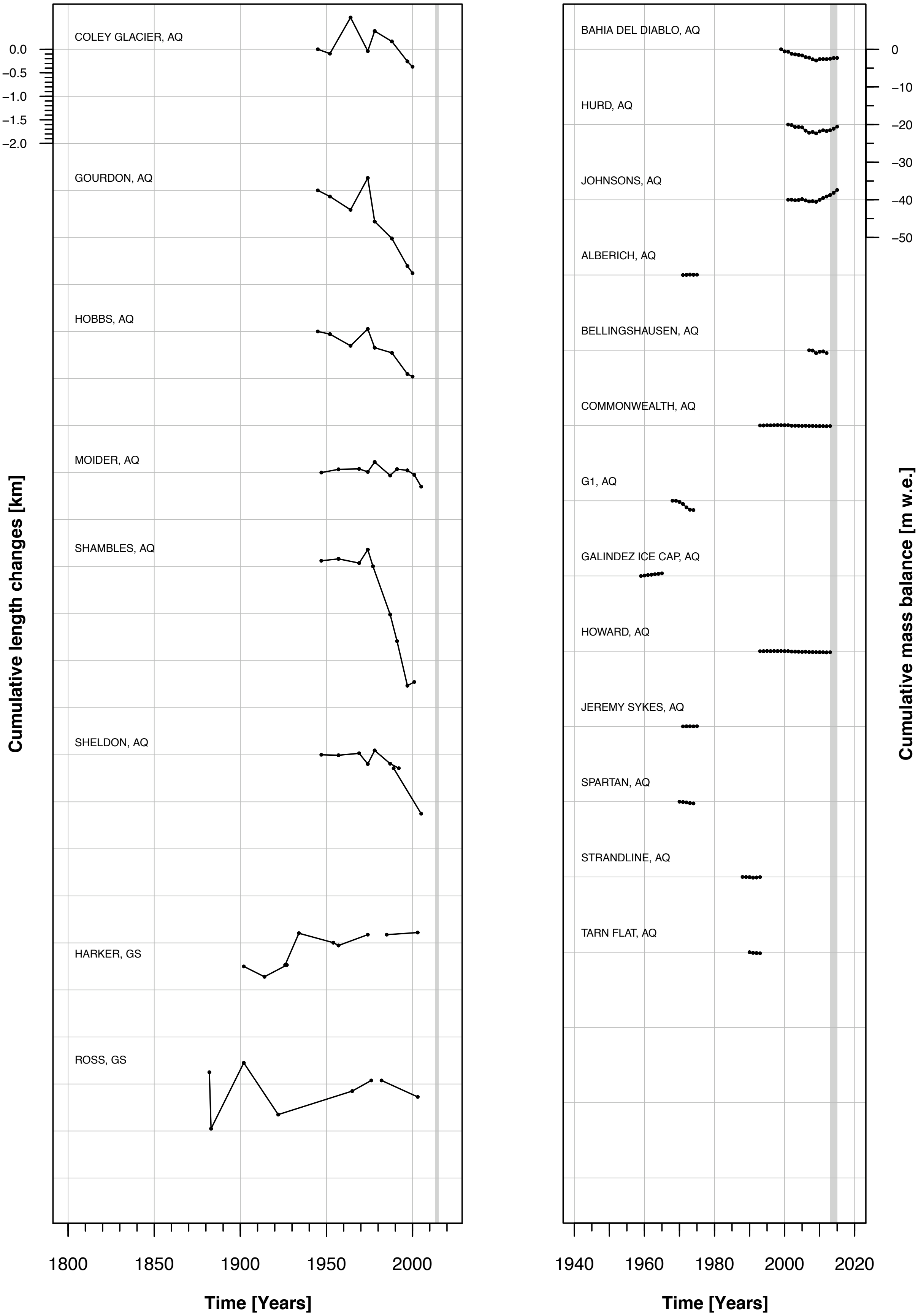



Figure 3.17.2 Cumulative length changes (left) and cumulative mass balances (right) of of selected glaciers in Antarctica and the Subantarctic Islands over the entire observation period.

# 4 DETAILED INFORMATION

Detailed information on selected glaciers with ongoing direct glaciological mass balance measurements in various mountain ranges is presented here, in addition to the global and regional information contained in the previous chapters. In order to facilitate comparison between the individual glaciers, the submitted material (text, maps, graphs and tables) was standardized, and in some cases generalized.

The text provides general information on the glacier followed by characteristics of the two reported balance years. General information concerns basic geographic, geometric, climatic and glaciological characteristics of the observed glacier which may help with the interpretation of climate/glacier relationships. A recent photograph showing the glacier is included.

Three maps are presented for each glacier: the first one, a topographic map, shows the stakes, snow pits and snow probing network. This network is basically the same from one year to the next on most glaciers. In cases of differences between the two reported years, the second was chosen, i.e., the network from the year 2014/15. The second and third maps are mass balance maps from the reported years, illustrating the pattern of ablation and accumulation. The accuracy of such mass balance maps depends on the density of the observation network, the complexity of the mass balance distribution, the applied technique for spatial extrapolation, and the experience of the local investigators.

A graph of glacier mass balance versus elevation is given for both reported years, overlaid with the corresponding glacier hypsography and point measurements (if available). The relationship between mass balance and elevation – the mass balance gradient – is an important parameter in climate/glacier relationships and represents the climatic sensitivity of a glacier. It constitutes the main forcing function of glacier flow over long time intervals. Therefore, the mass balance gradient near the equilibrium line is often called the 'activity index' of a glacier. The glacier hypsography reveals the glacier elevation bands that are most influential for the specific mass balance, and indicates how the specific mass balance might change with a shift in the ELA. An additional graph compares the mean annual glaciological and the geodetic balances (if available) for the whole observation period. For the comparison, the geodetic values were converted with a density factor of 850 kg $m^{-3}$.

The last two graphs show the relationship between the specific mass balance and the accumulation area ratio (AAR) and the equilibrium line altitude (ELA) for the whole observation period. The linear regression equation is given at the top of both diagrams. The AAR regression equation is calculated using integer values only (in percent). AAR values of 0 or 100 % as well as corresponding ELA values outside the elevation range of the observed glaciers were excluded from the regression analysis. The regressions were used to determine the $AAR_0$ and $ELA_0$ values for each glacier. The points from the two reported balance years (2013/14 and 2014/15) are marked in black. Minimum sample size for regression was defined as 6 ELA or AAR values.

# 4.1 BAHÍA DEL DIABLO (ANTARCTICA/A. PENINSULA)

COORDINATES: 63.82° S / 57.43° W

Photograph taken by S. Marinsek, 27 January 2015.

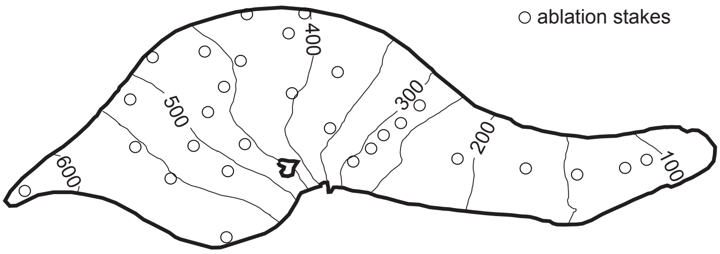
This polythermal-type outlet glacier is located on Vega Island, on the northeastern side of the Antarctic Peninsula. The glacier is exposed to the northeast, covers an area of ~12.9 km$^2$, and extends from an altitude of 630 m to 50 m a.s.l. The mean annual air temperature at the equilibrium line around the 400 m a.s.l. ranges between -7 and -8 °C. The glacier snout overrides an ice-cored moraine over a periglacial plain of continuous permafrost. The mass balance measurements on this glacier began in austral summer 1999/2000, using a simplified version of the combined stratigraphic annual mass balance method because the glacier can be visited only once a year.

The mass balance for the year 2013/14 was 190 mm w.e. and the mass balance for the year 2014/15 was 25 mm w. e., continuing a series of positive or near equilibrium results since the 2009/10 first positive and extraordinary mass balance recorded for the glacier. Annual precipitations for both periods were within the mean for the long record since the data is recorded nearby the glacier. Mean summer air temperatures, -0.85 °C for 2013/14 summer and 0.05 °C for 2014/15 summer, were much below the last 16 year mean. From mass balance vs. altitude data, the ELA derived for 2013/14 was 325 m a.s.l. and for 2014/15 it was 380 m a.s.l., both being close to the mean long-term ELA of ~400 m a.s.l.

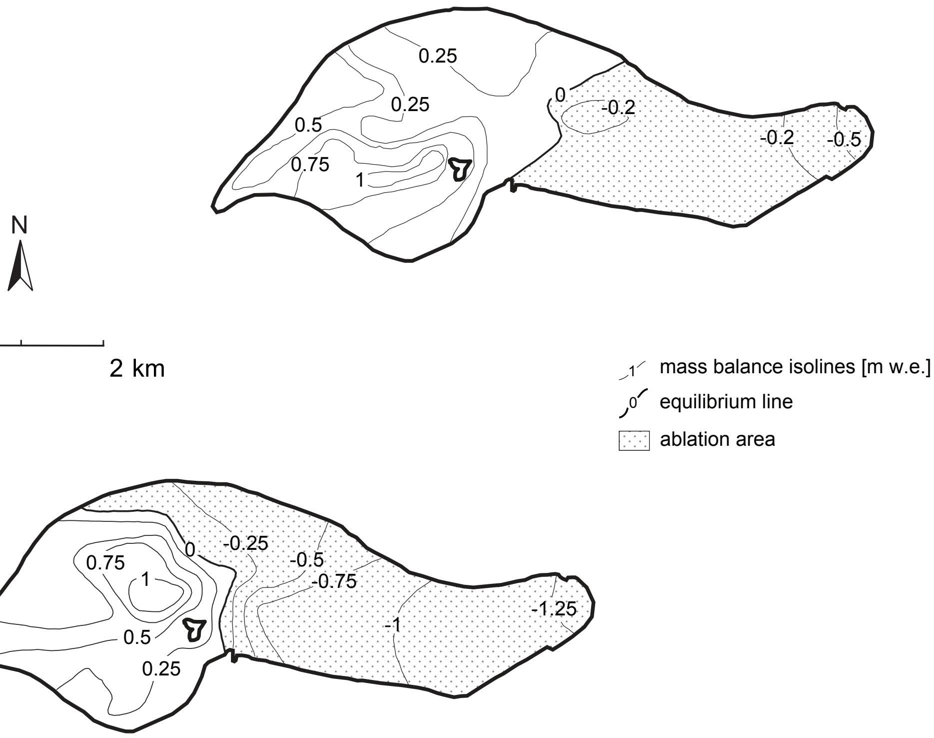
This data, continuing the series, confirms the existing strong correlation between the annual mass balance and mean summer air temperature. Recently, the glaciological mass balance series was homogenized and validated using data from geodetic surveys in 2001 and 2011 (Marinsek & Ermolin, 2015). The results attained by the two methods agree well.

Figure 4.1.1 Topography and observation network and mass balance maps 2013/14 and 2014/15.

**Topography and observational network**




**Mass balance maps 2013/14 and 2014/15**




## Bahía del Diablo (ANTARCTICA)

Figure 4.1.2 Mass balance versus elevation (2013/14 and 2014/15).

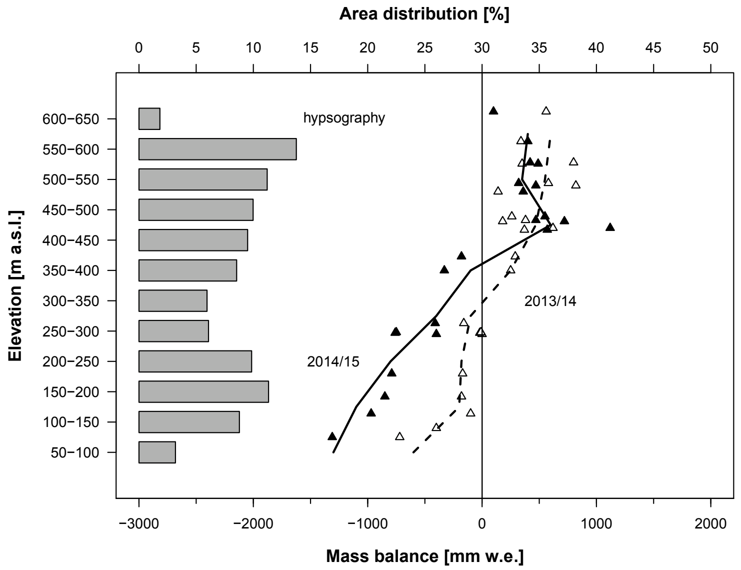



Figure 4.1.3 Glaciological balance versus geodetic balance for the whole observation period.

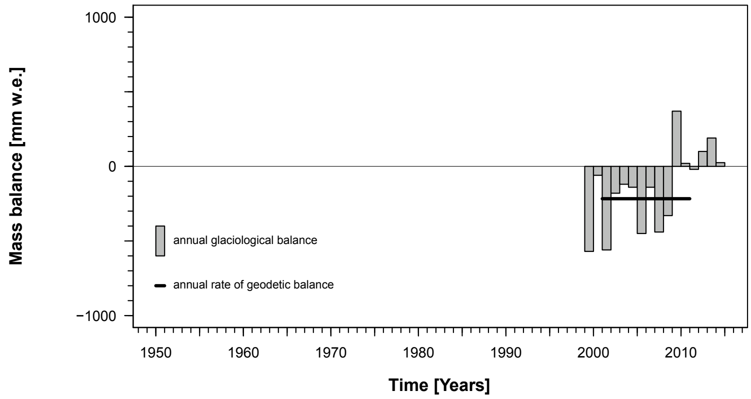
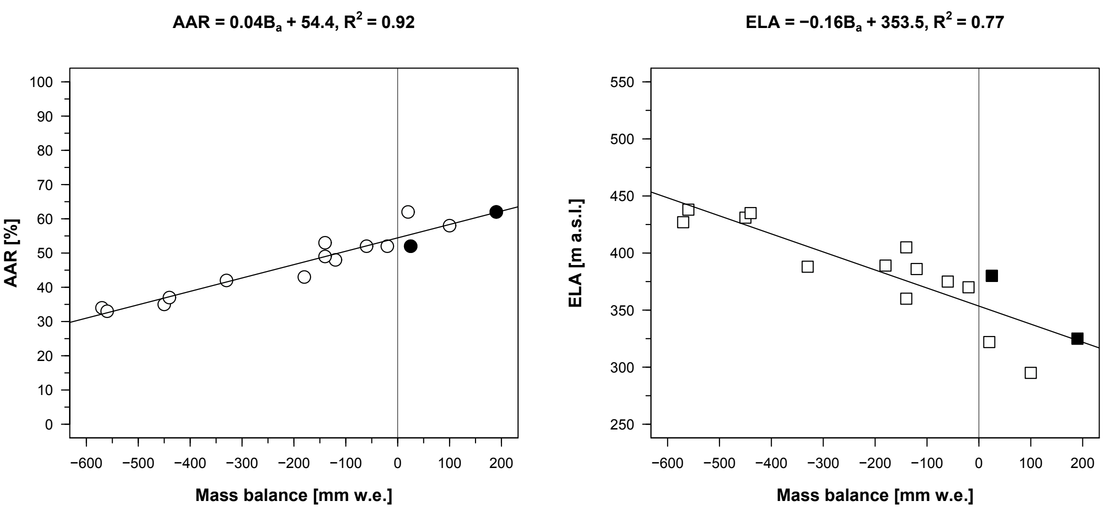



Figure 4.1.4 Accumulation area ratio (AAR) and equilibrium line altitude (ELA) versus specific mass balance for the whole observation period.




## Bahía del Diablo (ANTARCTICA)

## 4.2 MARTIAL ESTE (ARGENTINA/ANDES FUEGUINOS)

COORDINATES: 54.78° S / 68.40° W

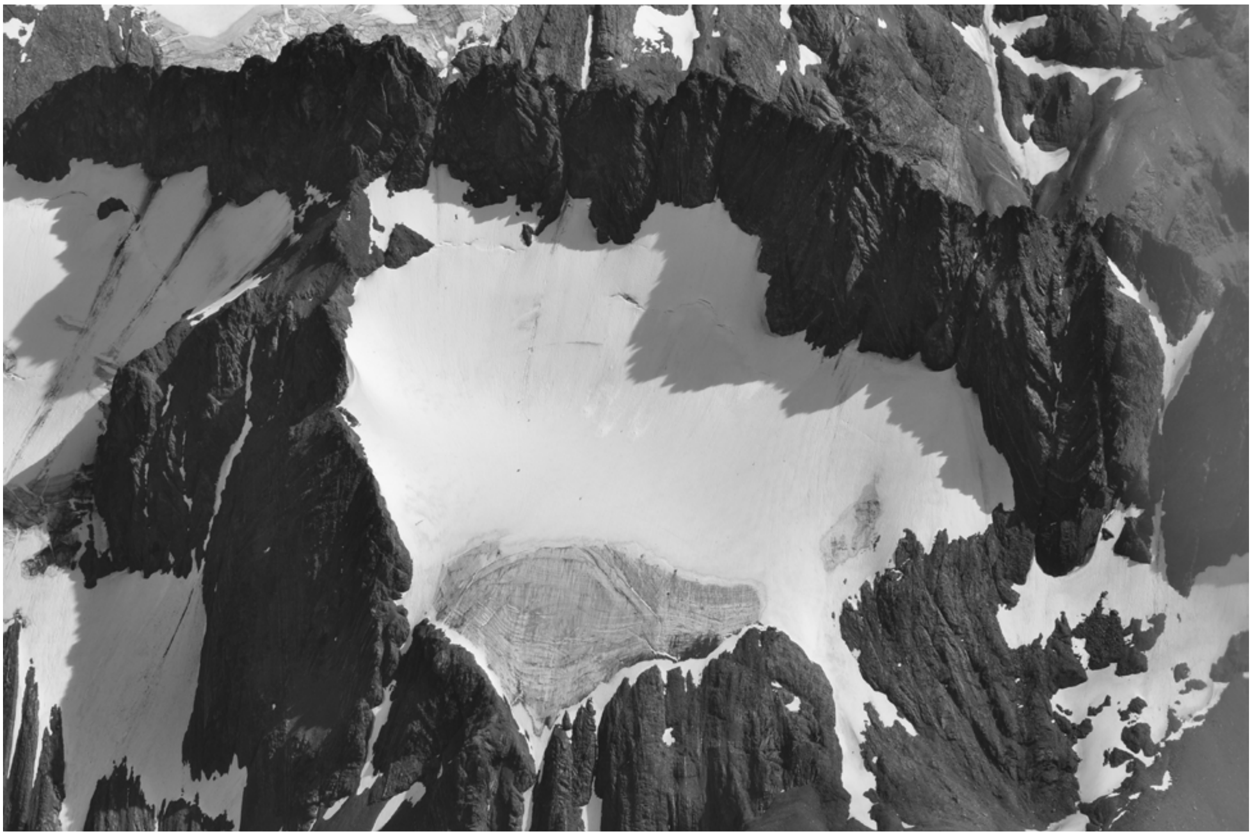


Photo of Martial Este Glacier by R. Iturraspe, 2 March 2013.

The Martial Este Glacier is one of the four small cirque glaciers located in the Cordón Martial (1,319 m a.s.l.), very close to Ushuaia city, on the southern shore of Tierra del Fuego Island. The glacier is one of the tourist attractions of Ushuaia city and contributes to the Buena Esperanza River, which is used as water source for the local population. The Martial Este, one of the main ice bodies, is a temperate glacier specially favored by the relief which protects it from wind and solar radiation. Since the LIA these glaciers have lost 75% of their total area. According to topographic surveys, the annual rate of vertical thinning at Martial Este Glacier from 1984 to 1998 was 0.5 m $a^{-1}$ (450 mm w.e. $a^{-1}$). This rate persisted until 2005 but since 2006 it has been stable.

The hydrological cycle starts in April and the maximum accumulation on the glacier ends usually in November. The systematic monitoring of this glacier is done jointly by the Water Agency of Tierra del Fuego and the National University of Tierra del Fuego.

A weather station located at 1,000 m a.s.l., very close to the glacier, collects climate data. Mean annual air temperature at the ELA level (1,075 m a.s.l.) is -1.5 °C and the average precipitation, distributed over the whole year without a dry season, amounts to 1300 mm. This amount, compared to the precipitation at the sea level in Ushuaia (530 mm) indicates a significant orographic gradient.

The mass balance 2013/14 was positive with 566 mm w.e., with an ELA at 1,025 m a.s.l. and an AAR of 85%. In 2014/15 a slightly negative mass balance was observed with -157 mm w.e. Corresponding ELA and AAR values were 1,075 m a.s.l. and 50%, respectively.

Figure 4.2.1 Topography and observation network and mass balance maps 2013/14 and 2014/15.

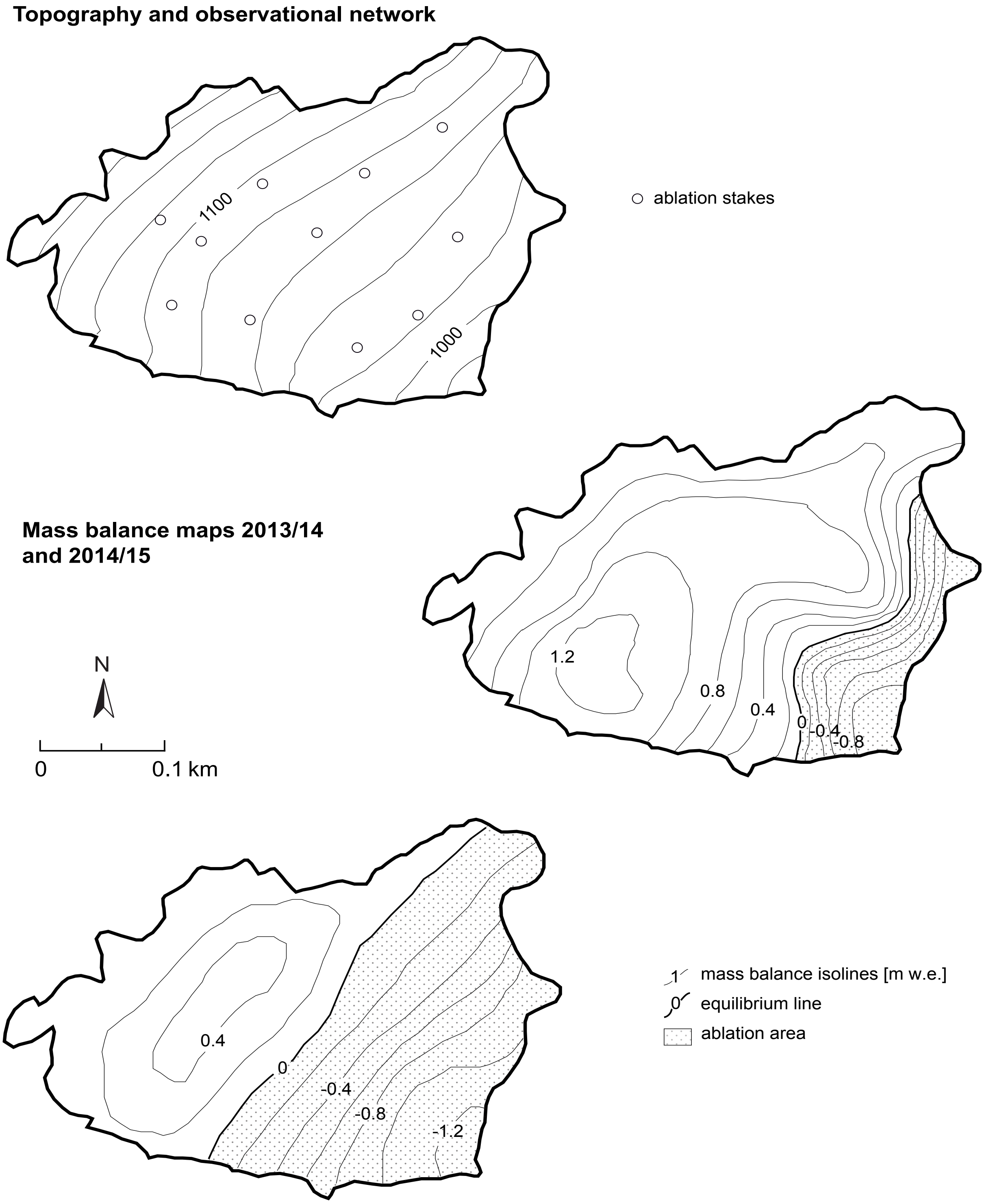


Figure 4.2.2 Mass balance versus elevation (2013/14 and 2014/15).

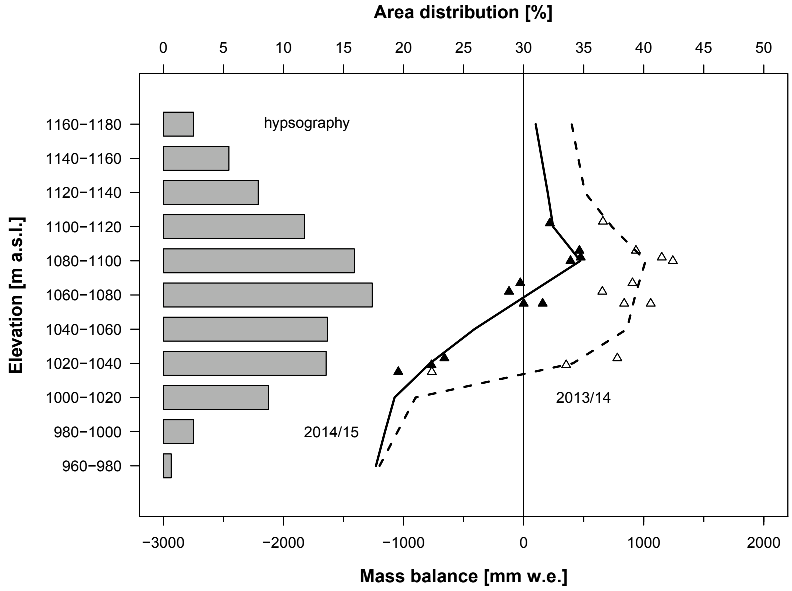



Figure 4.2.3 Glaciological balance versus geodetic balance for the whole observation period.

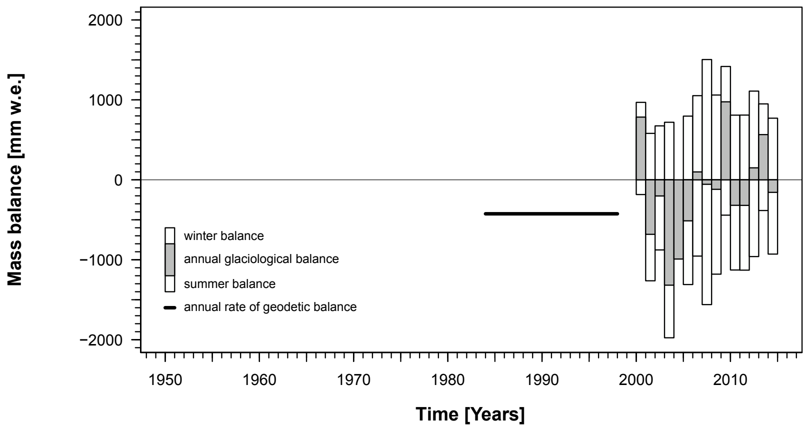
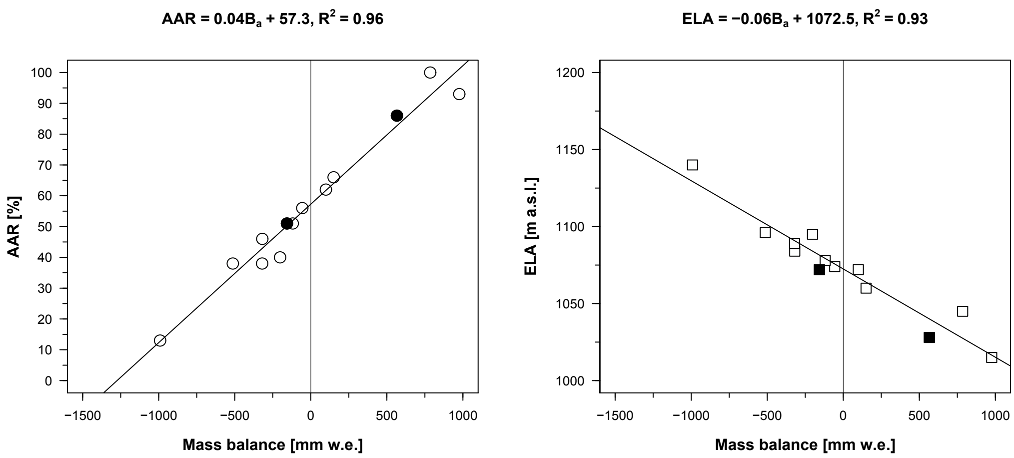



Figure 4.2.4 Accumulation area ratio (AAR) and equilibrium line altitude (ELA) versus specific mass balance for the whole observation period.



## 4.3 HINTEREISFERNER (AUSTRIA/ALPS)

COORDINATES: 46.80° N / 10.77° E

Photograph taken by W. Gurgiser, 31 August 2015.

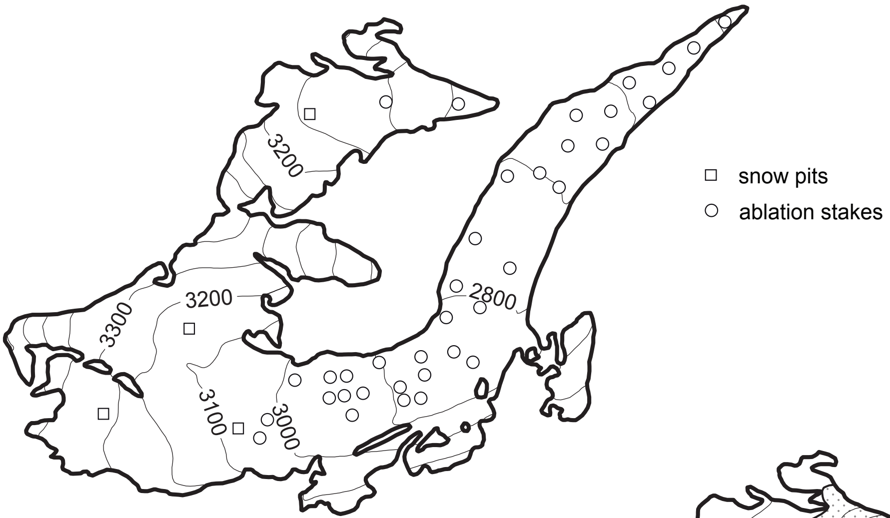
Hintereisferner is a 6.5 km long valley glacier in the Rofental (Ötztal Alps, Austria). Its surface area is 6.6 km² (2013), descending from the upper slopes of Weißkugel (3,739 m a.s.l.) to 2,455 m a.s.l. The glacier accumulation area is mainly orientated east and the glacier tongue northeast. Glacier mass balance has been derived using the glaciological method (fixed date) since 1953.

The surface mass balance for the 2013/14 hydrological year was slightly negative with a loss of -122 mm w.e. and an ELA at 2,990 m a.s.l. Substantial winter snow led to a sustained high albedo into the early summer months. High winter accumulation in conjunction with snowfalls down to low altitudes during the summer months contributed to this year being the least negative mass balance of the last decade on Hintereisferner.

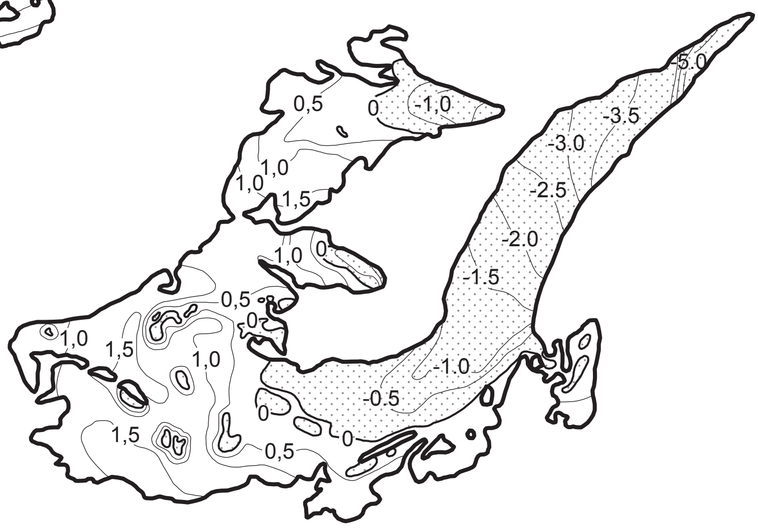
By contrast, the surface mass balance for the 2014/15 hydrological year was strongly negative with a loss of -1,682 mm w.e. and an ELA above the upper limit of the glacier. Although the winter accumulation was high, the very hot summer of 2015 resulted in ablation of almost the entire winter accumulation, aside from isolated snow patches in surface depressions. Between late June and mid August there was no snowfall on the glacier surface. The 2014/15 mass balance is one of the most negative in the whole range of mass balance records for Hintereisferner.

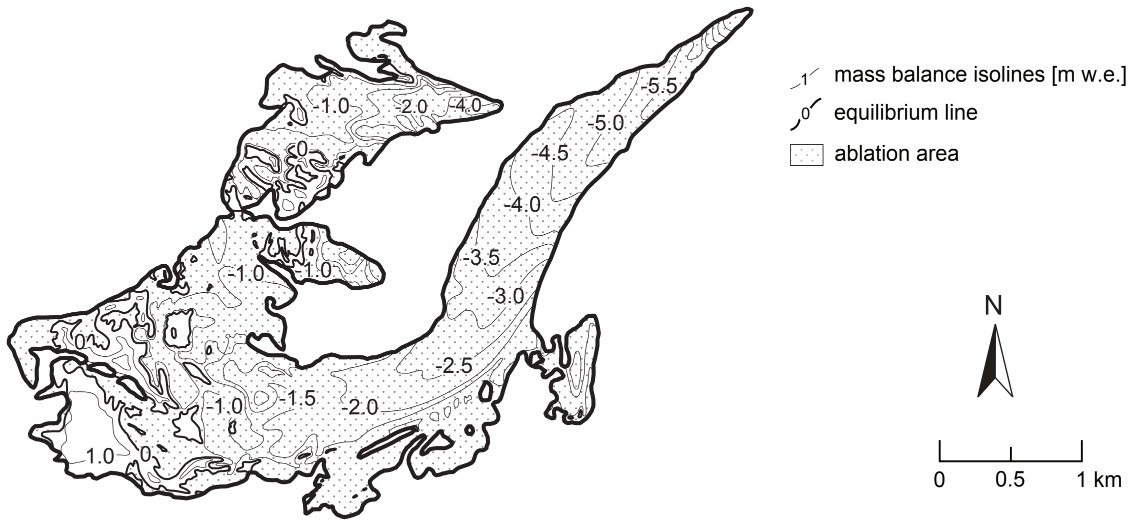
Figure 4.3.1 Topography and observation network and mass balance maps 2013/14 and 2014/15.

**Topography and observational network**




**Mass balance maps 2013/14 and 2014/15**




# Hintereisferner (AUSTRIA)

Figure 4.3.2 Mass balance versus elevation 2013/14 and 2014/15.

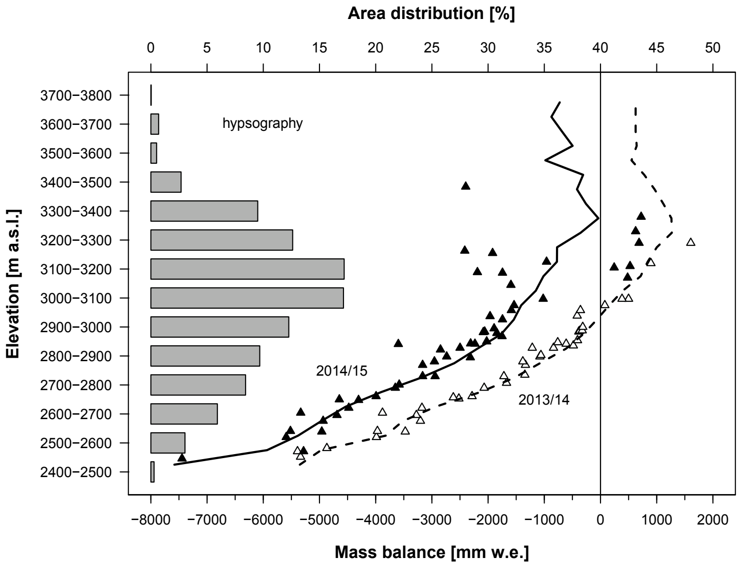



Figure 4.3.3 Glaciological balance versus geodetic balance for the whole observation period.

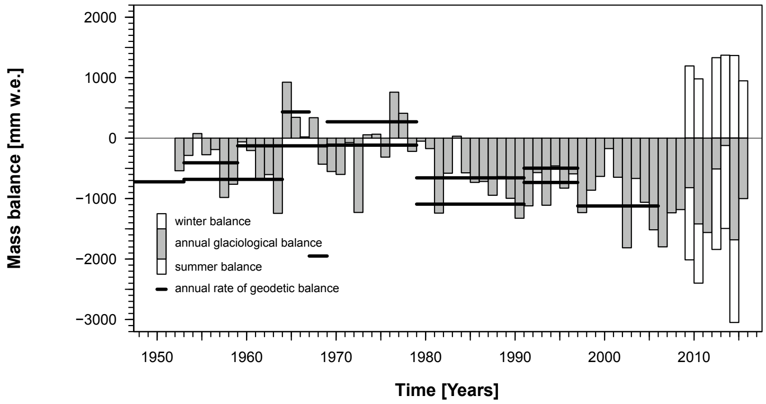
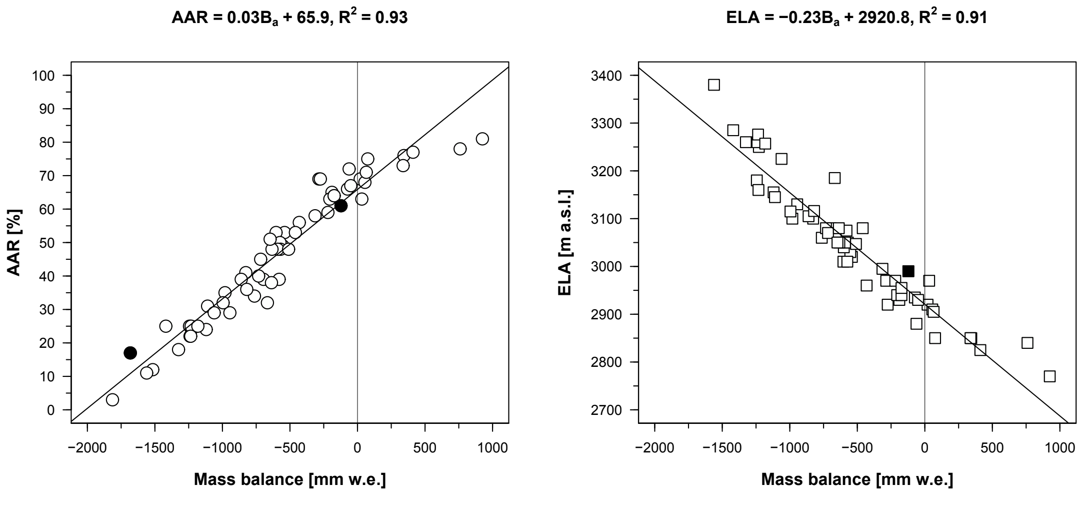



Figure 4.3.4 Accumulation area ratio (AAR) and equilibrium line altitude (ELA) versus specific mass balance for the whole observation period.




## Hintereisferner (AUSTRIA)

## 4.4 CHARQUINI SUR (BOLIVIA/TROPICAL ANDES)

COORDINATES: 16.17° S / 68.09° W

Photograph taken by Alvaro Soruco, 21 August 2017.

The Charquini Sur Glacier is a very small temperate valley glacier located 30 km northeast of La Paz city. Its length is around 0.5 km and its width is around 0.6 km, flowing from 5,334 to 5,000 m a.s.l. The glacier has an area close to 0.3 $km^2$ and the valley has a south exposure in the upper and lower part. Climate is characterized by one dry and one wet season, the latter occurring during the austral summer. Melting takes place mainly during the summer, reaching a peak in November, before the peak of precipitation, which takes place between January and March.

As all glaciers in the region, Charquini Sur Glacier had a negative mass balance in the latter periods. The 2013/14 period revealed a negative mass balance of -310 mm w.e. The few periods with positive mass balances coincided with La Niña events (region 3-4). The 2014/15 period presented a slight positive mass balance (78 mm w.e.) close to the equilibrium. The 2013/14 period was characterized by La Niña conditions, while the 2014/15 period by El Niño ones. The greatest loss (-2,921 mm w.e.) occurred during the El Niño event of 2009/10.

Figure 4.4.1 Topography and observation network and mass balance maps 2013/14 and 2014/15.

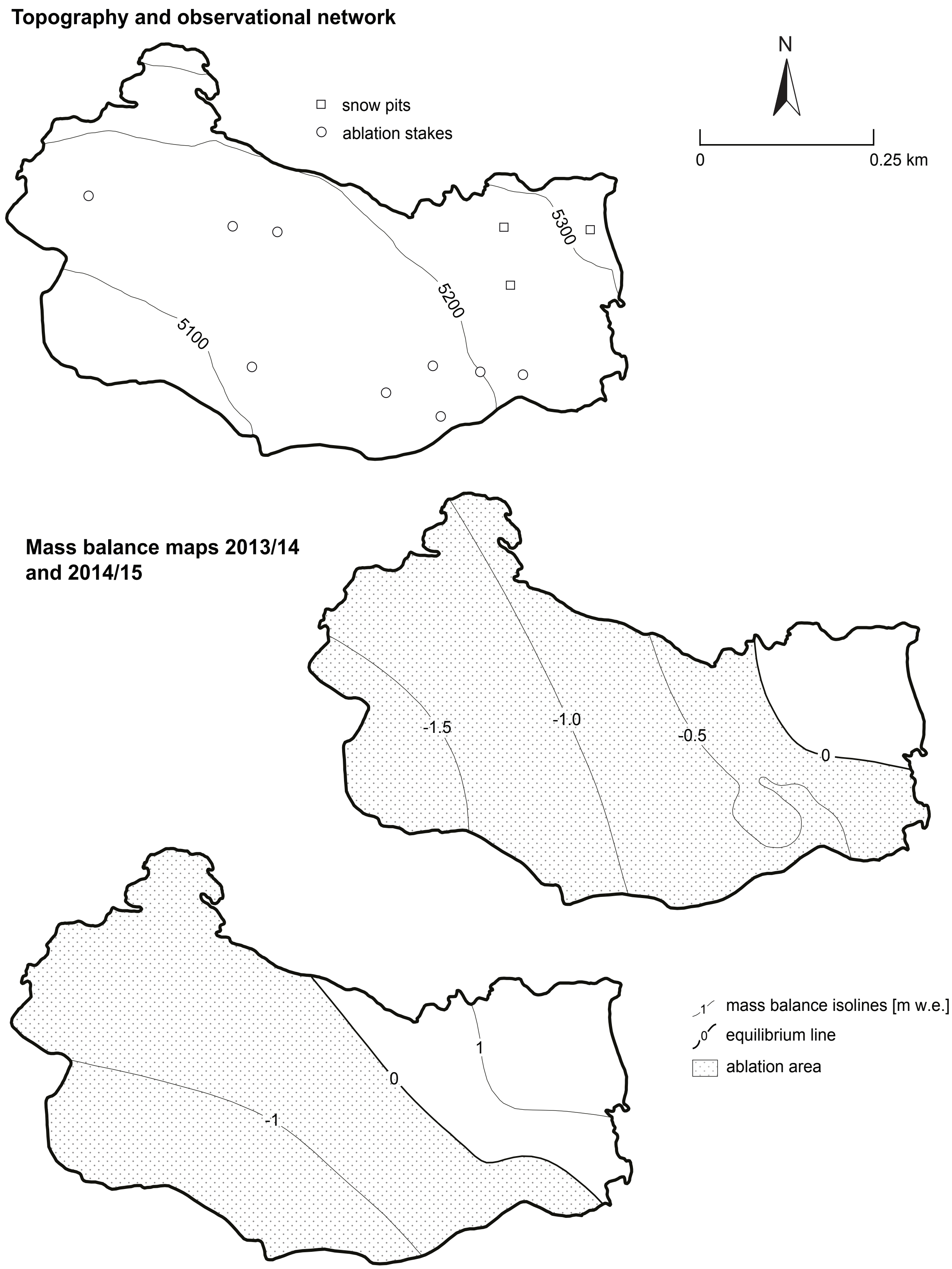


Figure 4.4.2 Mass balance versus elevation (2013/14 and 2014/15).

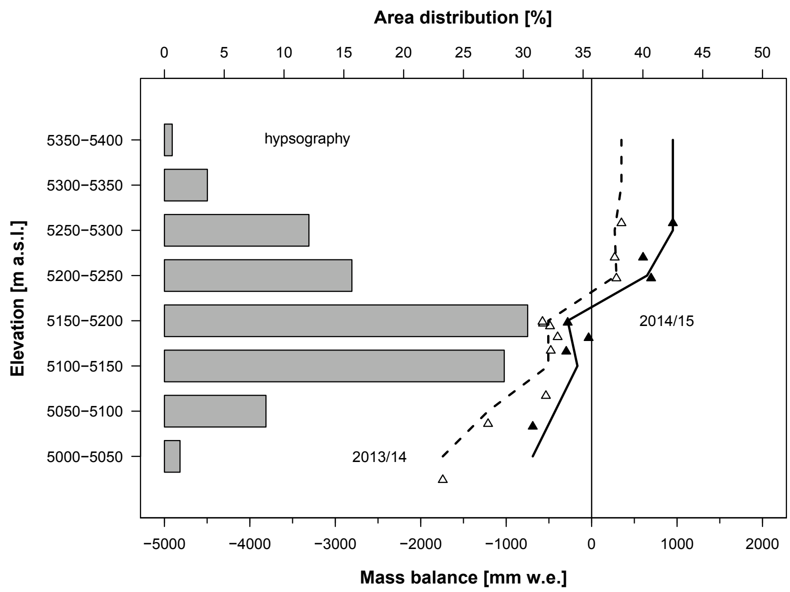



Figure 4.4.3 Glaciological balance versus geodetic balance for the whole observation period.

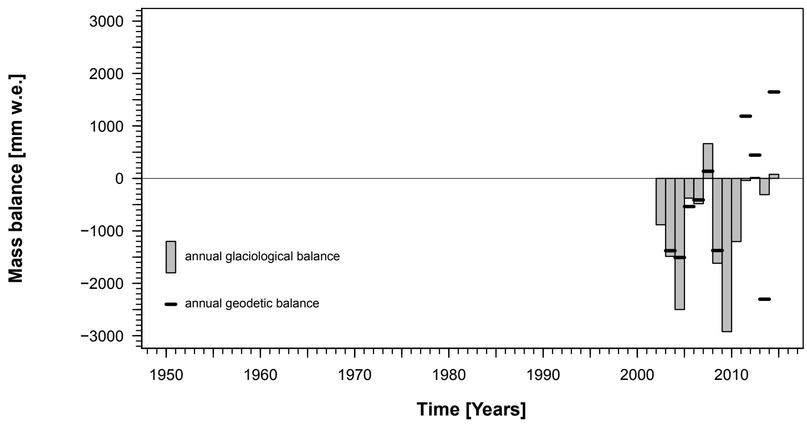
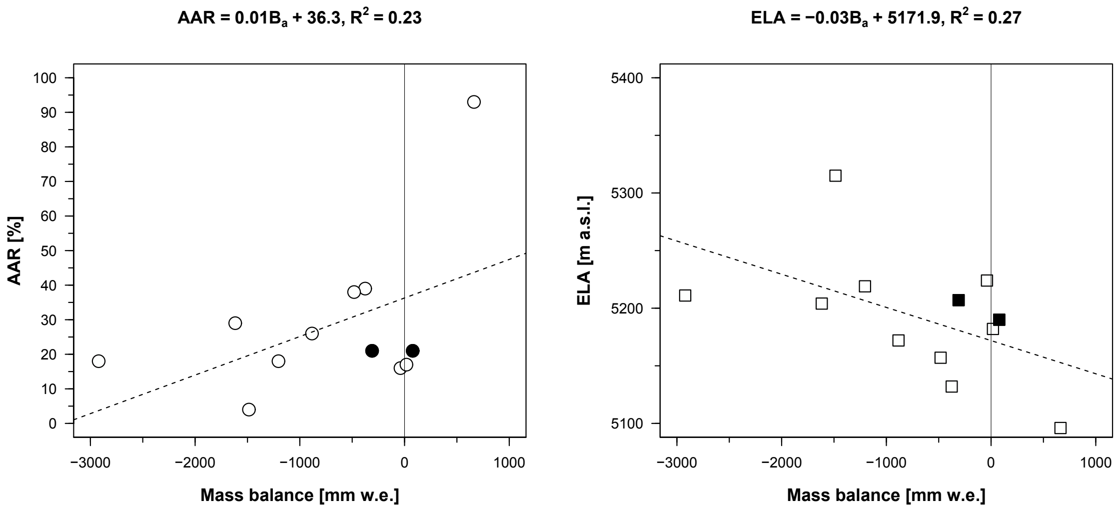



Figure 4.4.4 Accumulation area ratio (AAR) and equilibrium line altitude (ELA) versus specific mass balance for the whole observation period.




**Charquini Sur (BOLIVIA)**

## 4.5 WHITE (CANADA/HIGH ARCTIC)

COORDINATES: 79.45° N / 90.67° W

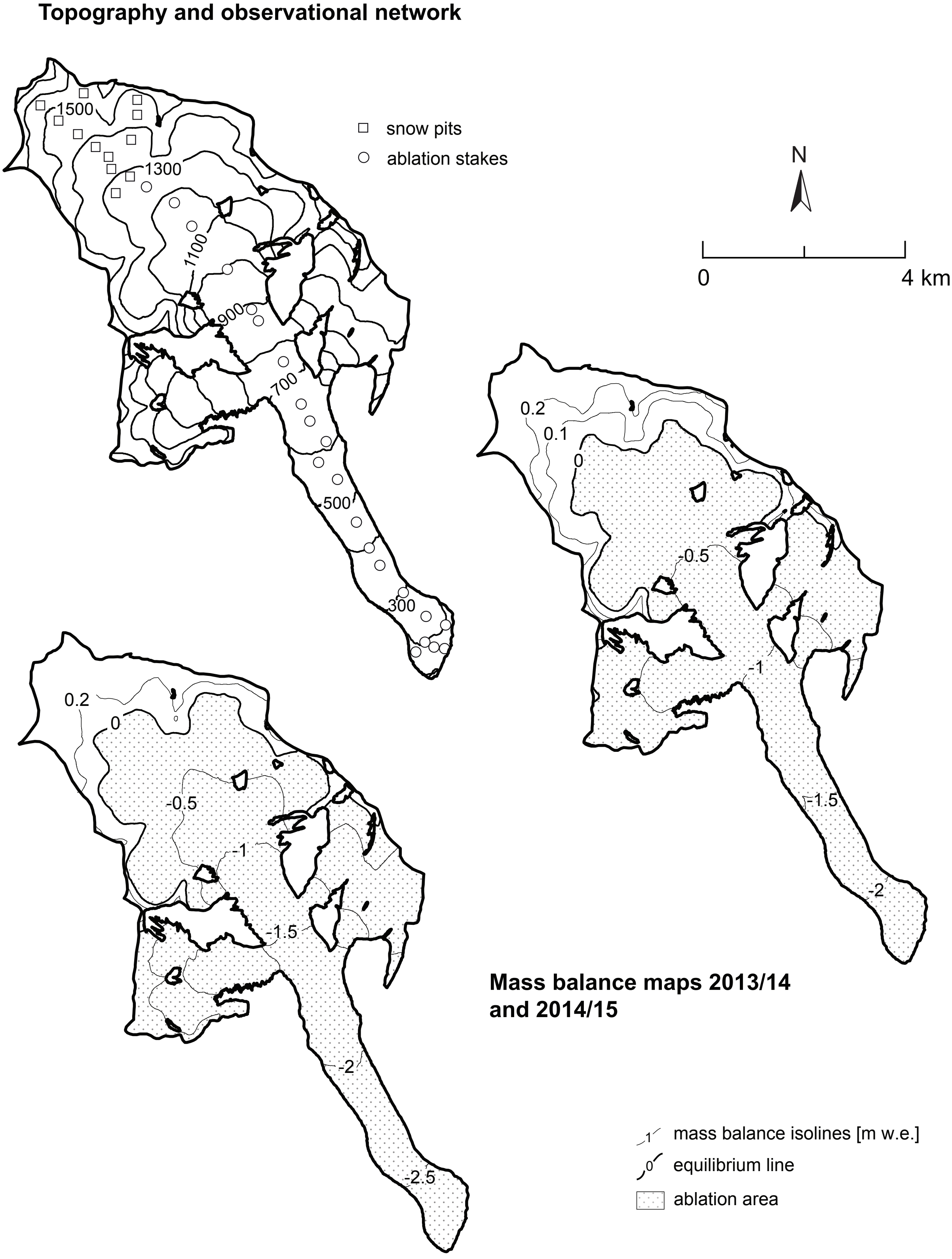
Photograph taken by L. Thomson, 28 June 2014.

White Glacier is a 14 km long polythermal valley glacier located in the Expedition Fiord region of Axel Heiberg Island, Nunavut, Canada. The glacier has a 5 km wide accumulation area reaching a maximum elevation of 1,782 m a.s.l. and flows southeast into a narrow 0.8–1.1 km wide valley, terminating at a junction with Thompson Glacier to the east at an elevation of ~100 m a.s.l. Since the onset of mass balance measurements in 1960, the glacier area has diminished from approximately 2.5 km$^2$ to 38.54 km$^2$ in 2014. The region experiences mean annual temperatures of about -20 °C and annual precipitation ranging from 58 mm at sea level (as measured at Eureka, 100 km to the east) to 370 mm at 2,120 m a.s.l. as measured in a 41-year snowpit record of annual accumulation on the Müller Ice Cap (Cogley et al., 1996). Over the period of observation (1960–2015), the average equilibrium line altitude (ELA) was 1,075 m a.s.l. and the mean accumulation area ratio (AAR, accumulation area divided by the total area) was 55%.

In July 2014 a photo survey was conducted by helicopter flying over White Glacier. Analysis of the resulting photographs using Structure from Motion methods led to the production of a new 1:10,000 topographic map of the glacier basin (Thomson & Copland, 2016). The new map supported the calculation of the glacier's geodetic mass and a re-analysis of the 54-year mass balance record, including updates to the mass balance calculations to account for thinning and retreat (Thomson et al., 2017).

A relatively cool and cloudy summer in 2014 across the Canadian high Arctic led to suppressed melt levels in this region (Wolken et al., 2016); however, the 2013/14 annual mass balance (-417 mm w.e.) remained the 14$^{th}$ most negative balance on record. Significantly warmer and clearer summer conditions in the summer of 2015 led to a 2014/15 annual balance of -693 mm w.e., resulting in the 6$^{th}$ most negative balance on record.

Figure 4.5.1 Topography and observation network and mass balance maps 2013/14 and 2014/15.




## White (CANADA)

Figure 4.5.2 Mass balance versus elevation (2013/14 and 2014/15).

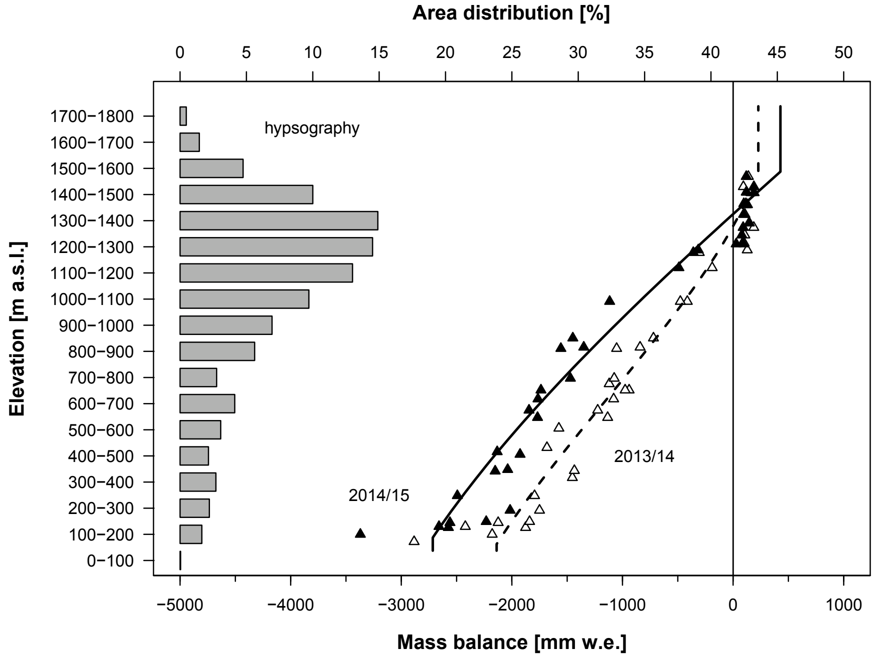



Figure 4.5.3 Glaciological balance versus geodetic balance for the whole observation period.

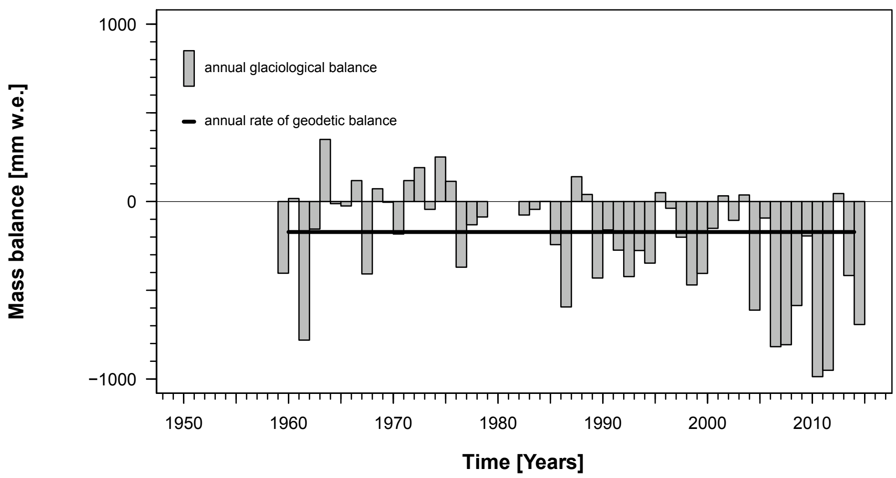
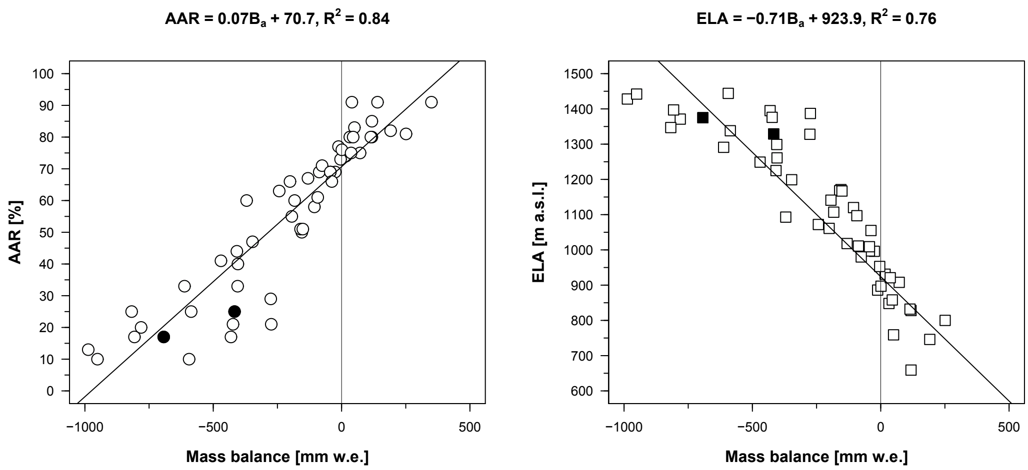



Figure 4.5.4 Accumulation area ratio (AAR) and equilibrium line altitude (ELA) versus specific mass balance for the whole observation period.




## White (CANADA)

## 4.6 URUMQI GLACIER NO. 1 (CHINA/TIEN SHAN)

COORDINATES: 43.08° N / 86.82° E

Photo taken by L. Huilin, 28 August 2015.

Urumqi S. No 1 has been in constant recession since it was first observed in 1959. Due to retreat, the two branches of the former glacier have become separated into two small glaciers, but are still called the East and West Branch of Glacier No. 1. According to the latest survey in August 2012, the East Branch has a total area of 1.029 $km^2$, and the highest and lowest points are at 4,225 and 3,752 m a.s.l. The West Branch has a total area of 0.589 $km^2$, while the highest and lowest points are at 4,445 and 3,848 m a.s.l. The latest radar echo-sounding measurement was carried out on the glacier in August 2012, and indicates its maximum thickness as 124±5 m.

For Urumqi S. No 1, accumulation and ablation both take place primarily during the warm season and the formation of superimposed ice on this continental glacier is important. In the 2013/2014 mass balance year (2013.8.29-2014.9.1), the annual precipitation at the nearby meteorological station located at 3,539 m a.s.l. (Daxigou Meteorological Station) was 494 mm. Mean annual air temperature at DMS was -4.4 °C. The mass balances of both branches of Urumqi S. No 1 were negative in 2013/2014, i.e., -228 mm w.e. for the East Branch and -109 mm w.e. for the West Branch. The calculated mean for entire glacier was -185 mm w.e.

In the 2014/2015 mass balance year (2014.9.1–2015.9.2), the total precipitation at the nearby meteorological station located at 3,539 m a.s.l. (Daxigou Meteorological Station) was 576 mm and the mean annual air temperature was -4.0 °C. The corresponding precipitation and mean air temperature at the ELA of Urumqi S. No 1 was determined to be -8.1 °C and 870 mm, respectively. The mass balances of both branches of the glacier were negative in 2014/2015, i.e., -932 mm w.e. for the East Branch and -607 mm w.e. for the West Branch. The calculated mean for the entire glacier was -815 mm w.e. To obtain the mean mass balance, the specific value observed at each stake was used for interpolation, together with simulated values obtained by means of a simple energy balance model (Oerlemans, 2011) in areas with no measurements.

Figure 4.6.1 Topography and observation network and mass balance maps 2013/14 and 2014/15.

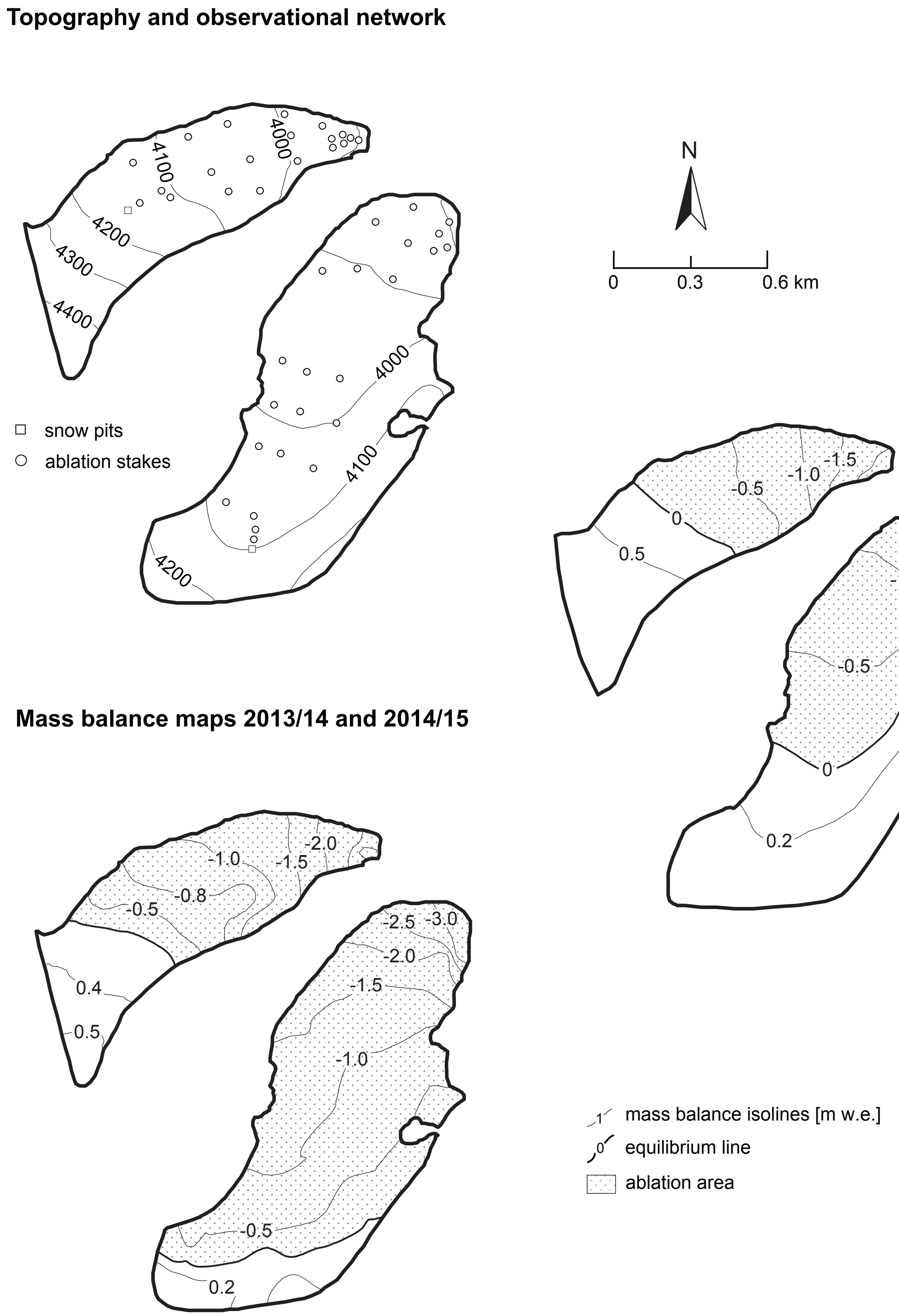


Figure 4.6.2 Mass balance versus elevation (2013/14 and 2014/15), West Branch on the left and East Branch on the right.

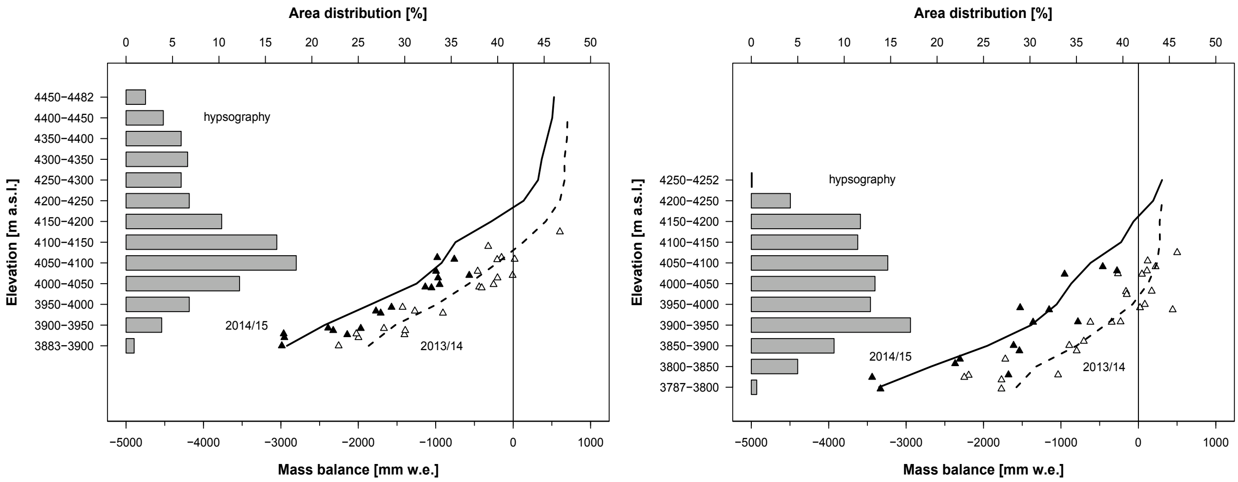



Figure 4.6.3 Glaciological balance versus geodetic balance for the whole observation period.

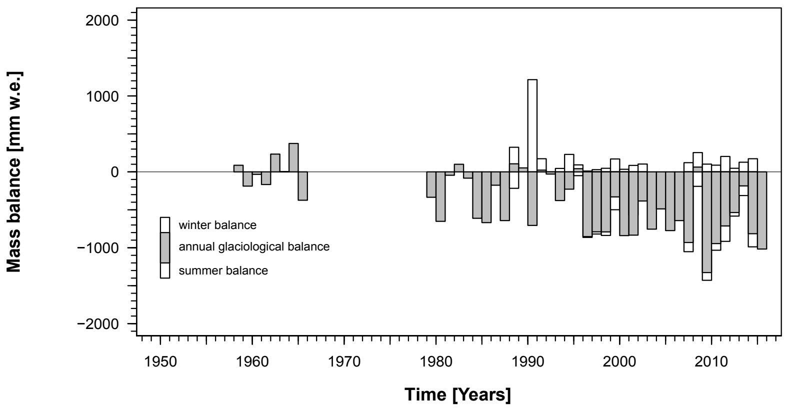
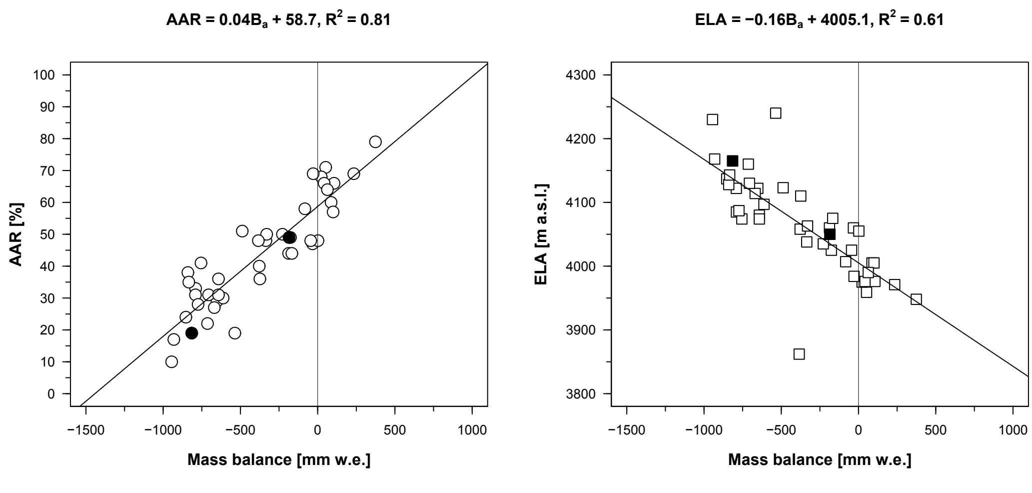



Figure 4.6.4 Accumulation area ratio (AAR) and equilibrium line altitude (ELA) versus specific mass balance for the whole observation period.



## 4.7 PARLUNG NO. 94 (CHINA/SOUTHEAST TIBETAN PLATEAU)

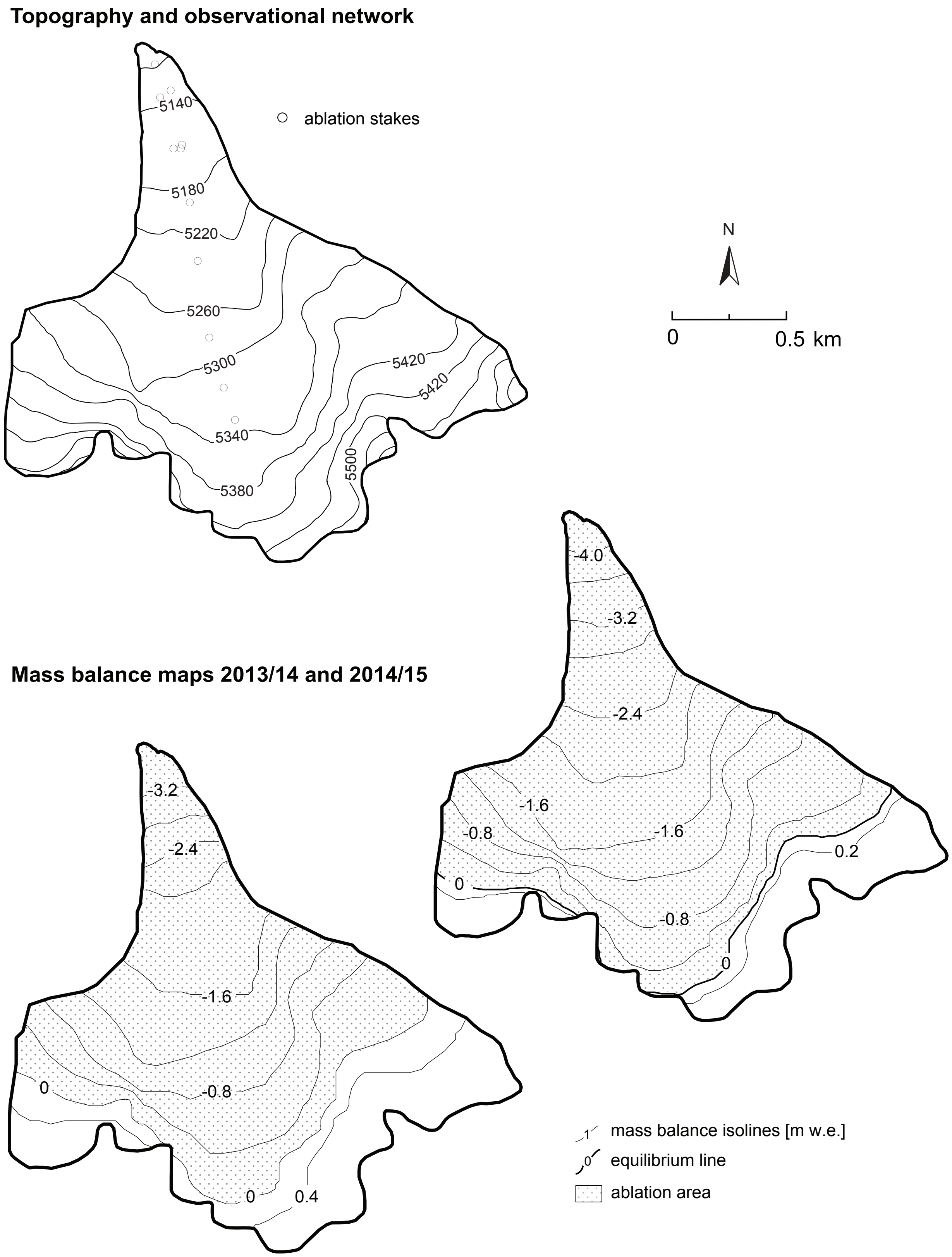
COORDINATES: 29.23° N / 96.59° E

Photo taken by Li S. H. on 19 June 2014.

Parlung No. 94 Glacier is located within the headwaters of the Parlung Zangbo River, a tributary of the Brahmaputra River in southeastern Tibetan Plateau. It is a typical valley glacier with an area of 2.4 $km^2$ and an axis length of nearly 2.9 km. It flows northwestward from elevation 5,635 to 5,075 m a.s.l. at its front position. Mean annual air temperature at the equilibrium line of the glacier varied from -7.3 to -8.2 °C and annual total precipitation varied from 678 to 1,238 mm based on the past two years AWS and rainfall observation. Both the mass balance observations and simulations reveal that the mass accumulation of this glacier occurred primarily in the boreal spring, thus named as "spring accumulation type" glacier.

The mass balance has been measured using the glaciological method since 2005/06. The cumulative mass balance of Parlung No. 94 from 2005/06 to 2014/15 was -8,427 mm w.e. Mean annual ELA was 5,410 m a.s.l. The mass balances in 2013/14 and 2014/15 were negative (-1,169 and -653 mm w.e.), with ELA of 5,435 and 5,403 m a.s.l. and AAR of 19% and 29%.

Figure 4.7.1 Topography and observation network and mass balance maps 2013/14 and 2014/15.




## Parlung No. 94 (CHINA)

Figure 4.7.2 Mass balance versus elevation (2013/14 and 2014/15).

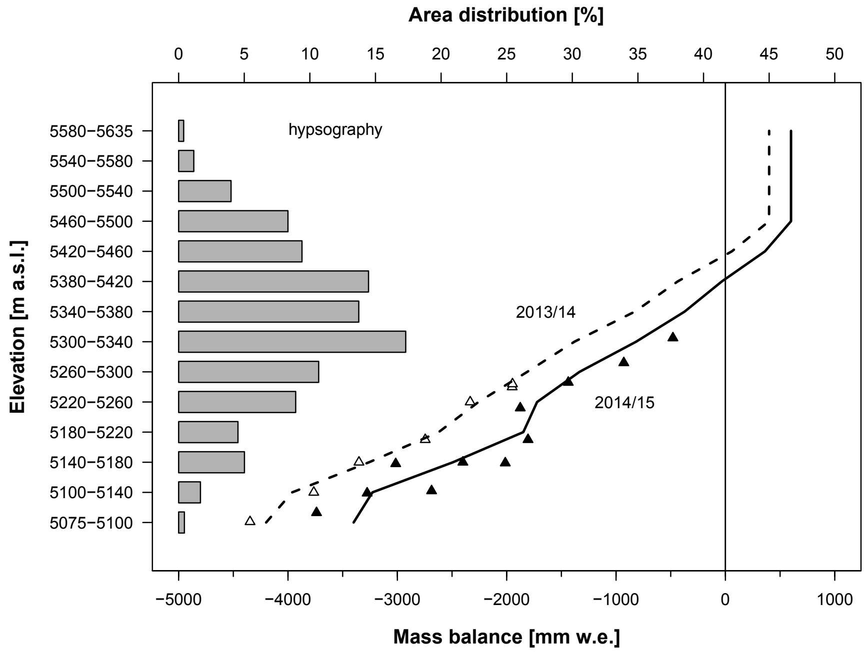



Figure 4.7.3 Glaciological balance versus geodetic balance for the whole observation period.

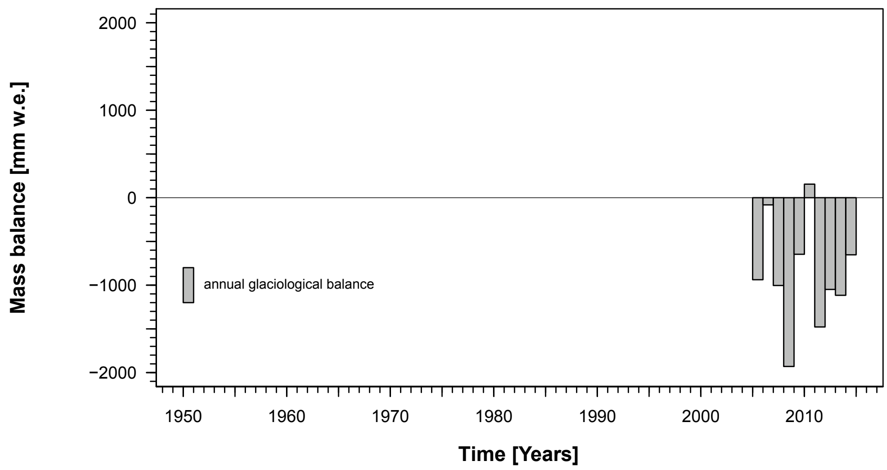
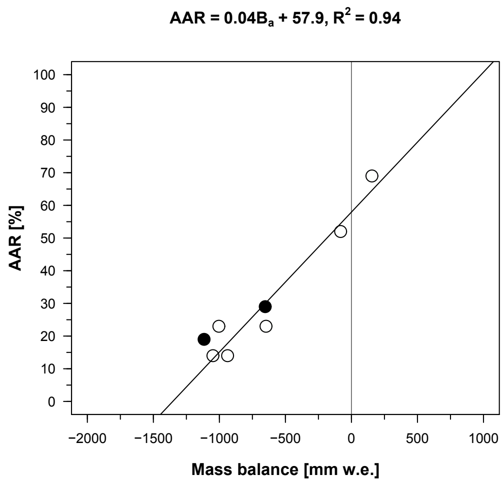
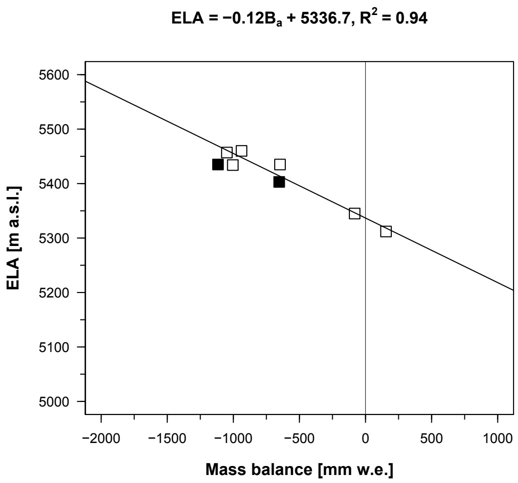



Figure 4.7.4 Accumulation area ratio (AAR) and equilibrium line altitude (ELA) versus specific mass balance for the whole observation period.




## Parlung No. 94 (CHINA)

## 4.8 CONEJERAS (COLOMBIA/CORDILLERA CENTRAL)

COORDINATES: 4.82° N / 75.37° W

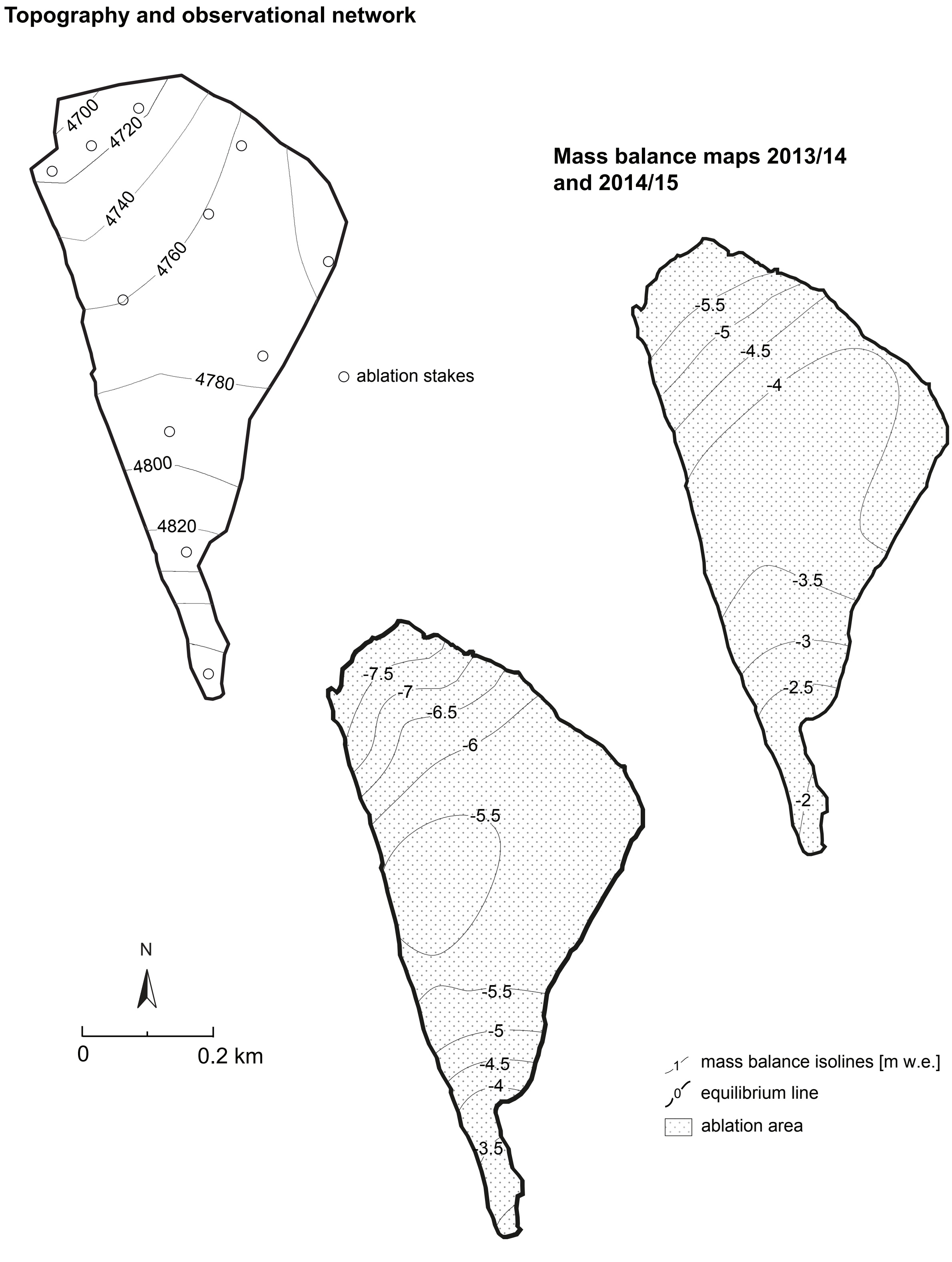
Photo taken by Y.P. Nocua on 12 December 2015.

Conejeras Glacier is a small glacier (0.20 km², 2015) forming part of the ice cap on top of Santa Isabel volcano in the northern Andes. Along with the glacierized volcanos Nevado del Ruiz and Nevado del Tolima, it is surrounded by the "Paramo" ecosystem and Andean forests. Conejeras, which has a minimum elevation of 4,700 m a.s.l. and maximum of 4,895 m a.s.l. is located at Santa Isabel's northwest side. Conejeras mass balance has been calculated monthly by the direct glaciological method since April 2006 (field measurements using 14 stakes distributed along the glacier every 50 m of altitude; however, three located at the lower glacier could no longer be monitored due to glacier retreat). Mass balance calculation has been also supplemented by ten meteorological and hydrological stations, extending downvalley to 2,700 m a.s.l. to support research on high mountain systems.

Since 2006, Conejeras Glacier has shown a permanent negative mass balance (cumulative mass balance 2006–2013: -27 m w.e.). In 2013/14 and 2014/15 the mass balance was -4,084 mm w.e. and -5,599 mm w.e. The ELA was located at 5,003 m a.s.l. (AAR = 0%) in 2013/14 and at 4,950 m a.s.l. (AAR = 0%) in 2014/15. Mölg et al. (2017) acquired a terrestrial Lidar digital elevation model and performed a full homogenization of the ten year time series of monthly mass balances.

The glacier reacts rapidly to atmospheric changes and its dynamics are strongly influenced by climatic variability generated by the Intertropical Convergence Zone (ITCZ) and the El Niño-Southern Oscillation (ENSO), such as during the 2015 event. Weather patterns in these mountains (2010–2015) lead to an annual average precipitation of 1,300 mm, relative humidity is 94% on average and the mean temperature ranges between -2 ºC and 4 ºC. Calculation in January 2014 showed a maximum ice thickness of 52 m and 22 m on average (Rabatel et al., 2017). By December 2015, based on ablation stakes, the thickness decreased by 10 metres.

Figure 4.8.1 Topography and observation network and mass balance maps of 2013/14 and 2014/15.




## Conejeras (COLOMBIA)

Figure 4.8.2 Mass balance versus elevation (2013/14 and 2014/15).

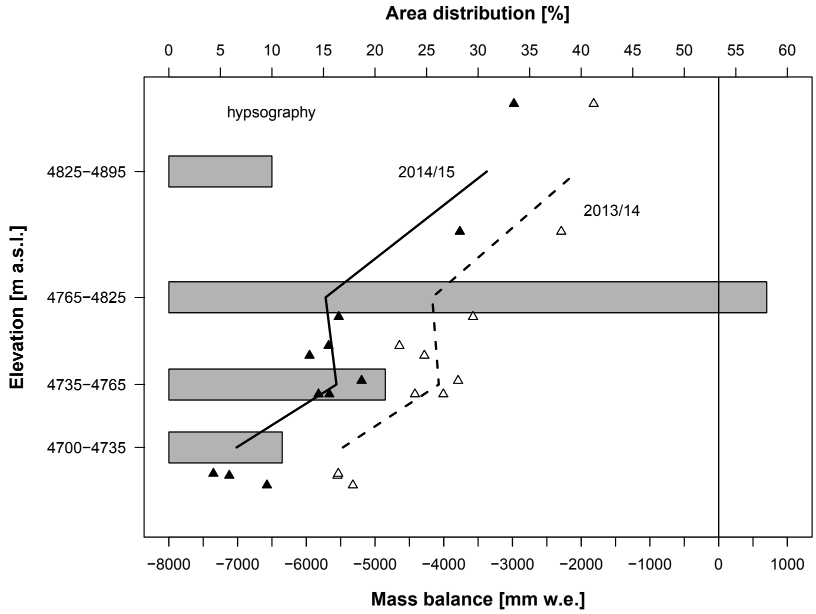



Figure 4.8.3 Glaciological balance versus geodetic balance for the whole observation period.

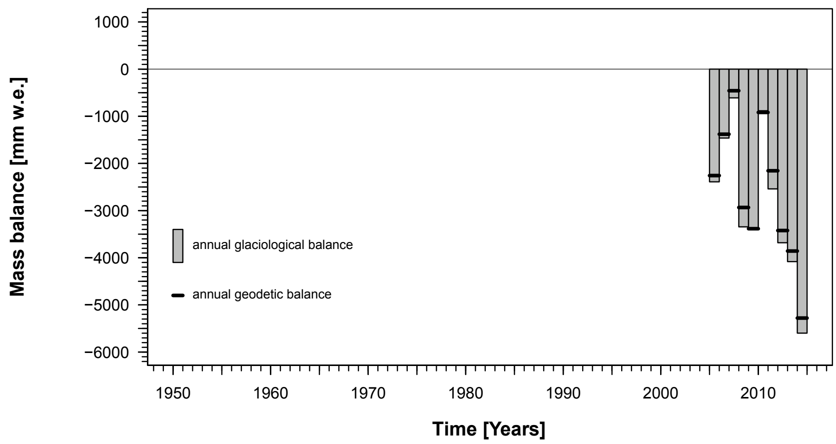
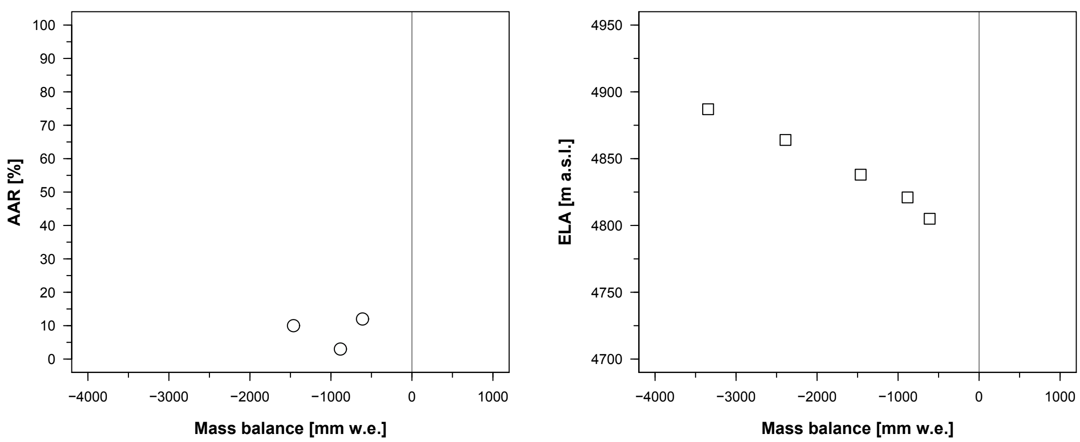



Figure 4.8.4 Accumulation area ratio (AAR) and equilibrium line altitude (ELA) versus specific mass balance for the whole observation period.



## 4.9 FREYA (GREENLAND/NORTHEAST GREENLAND)

COORDINATES: 74.39° N / 20.83° W

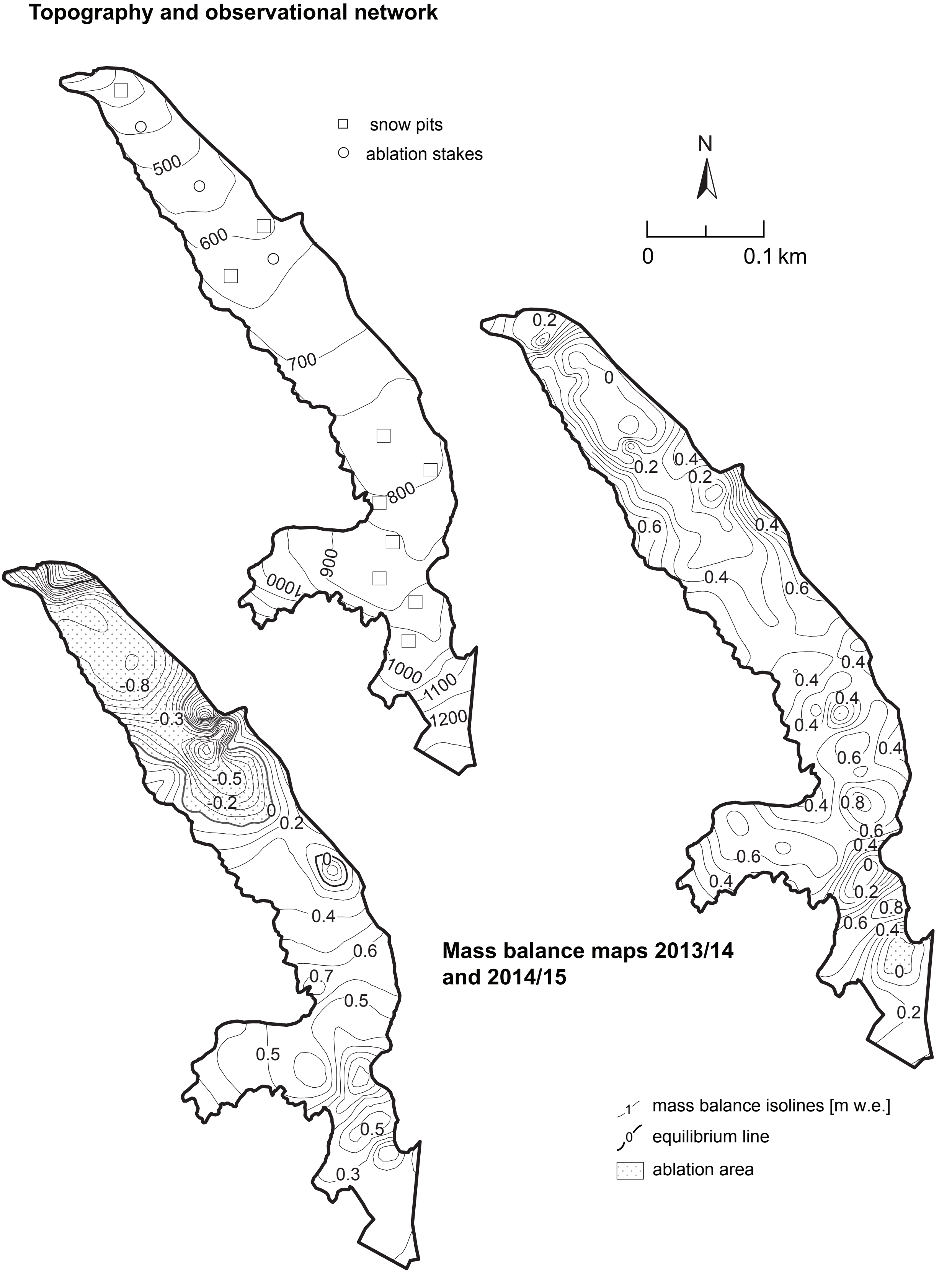
Photo taken by B. Hynek, 12 August 2013.

Freya Glacier is a 6 km long, polythermal valley glacier situated on Clavering Island 10 km southeast of the Zackenberg research station at the northeastern coast of Greenland. Its surface area is 5.3 km² (2013), extending from 1,305 m to 273 m a.s.l. and mainly oriented to the NW with two separate accumulation areas oriented NE and NW. The thickest ice found during a GPR survey in May 2008 is 200 m, located at the confluence of the two accumulation areas. Mean values (1996–2005) of annual temperature and precipitation at Zackenberg (38 m a.s.l.) are -9.2 °C and 230 mm.

A terrestrial photogrammetric survey of the whole glacier in August 2013 using Structure from Motion methods delivered a new high-resolution DEM of the glacier, an orthophoto and a new glacier outline (Hynek et al., 2014). All existing mass balance measurements have been re-evaluated using the topographic data of 2013.

In 2013/14 Freya Glacier showed a clearly positive annual mass balance of 394 mm w.e., while the balance was less positive with 97 mm w.e. in 2014/15. The ELA in 2013/14 was below the glacier with an AAR of 93%. In 2014/15 the ELA was at 670 m a.s.l. with an AAR of 70%.

Figure 4.9.1 Topography and observation network and mass balance maps of 2013/14 and 2014/15.




**Freya (GREENLAND)**

Figure 4.9.2 Mass balance versus elevation (2013/14 and 2014/15).

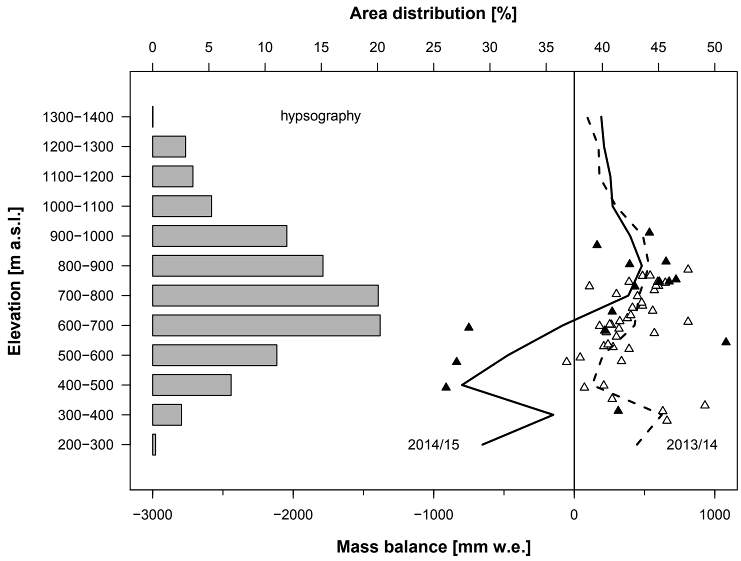



Figure 4.9.3 Glaciological balance versus geodetic balance for the whole observation period.

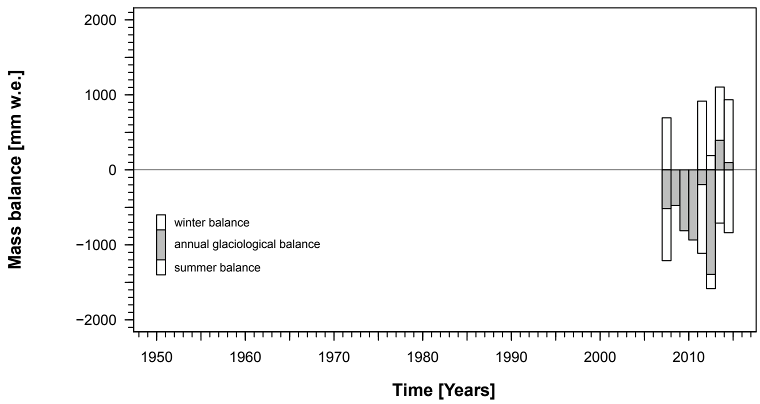
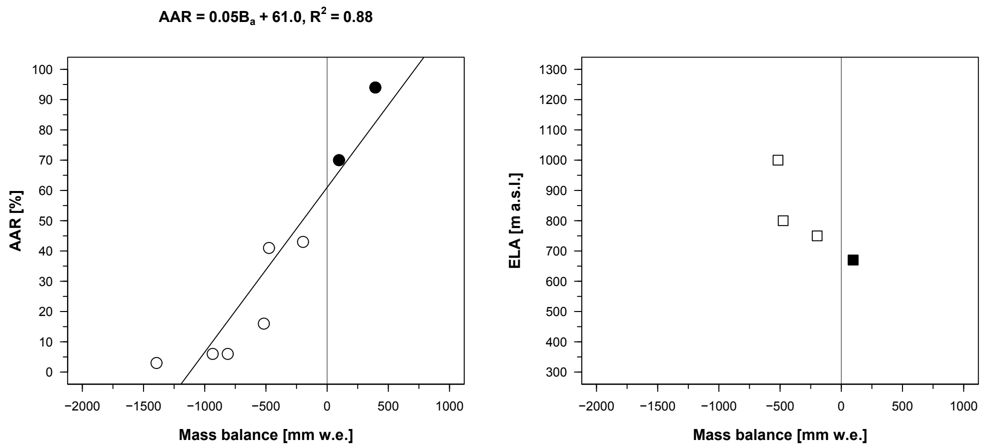



Figure 4.9.4 Accumulation area ratio (AAR) and equilibrium line altitude (ELA) versus specific mass balance for the whole observation period.




## Freya (GREENLAND)

## 4.10 CARESÈR (ITALY/ALPS)

COORDINATES: 46.45° N / 10.70° E

View of Caresèr Glacier taken on 3 August 2015. Photo by M. Callegari.

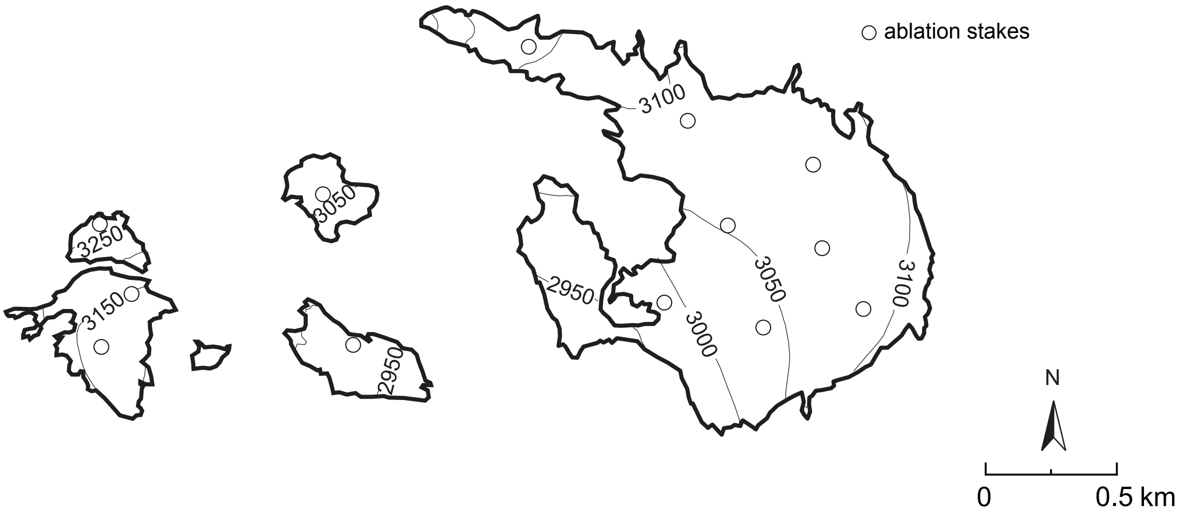
Caresèr Glacier is located in the Ortles-Cevedale group (Eastern European Alps, Italy). It occupies an area of 1.31 $km^2$ (year 2015) and its elevation ranges from 2,910 to 3,275 m a.s.l. The glacier is exposed mainly to the south and is rather flat. A full 90% of the glacier area lies between 2,950 and 3,150 m a.s.l. and the median altitude is 3,076 m a.s.l. The mean annual air temperature at this elevation is about -3 to -4 °C and precipitation averages 1,450 mm.

Direct mass balance investigations on Caresèr Glacier started in 1967, and until 1980 the mass balance was close to equilibrium. Imbalanced conditions and steadily negative mass balances followed, and in the last three decades the ELA was mostly above the maximum altitude of the glacier. The mean value of the annual mass balance was -1,200 mm w.e. $a^{-1}$ from 1981 to 2001, and decreased to -1,800 mm w.e. $a^{-1}$ from 2002 to 2015. In the last fifteen years the glacier separated into several ice bodies, due to the widespread outcrop of the bedrock.

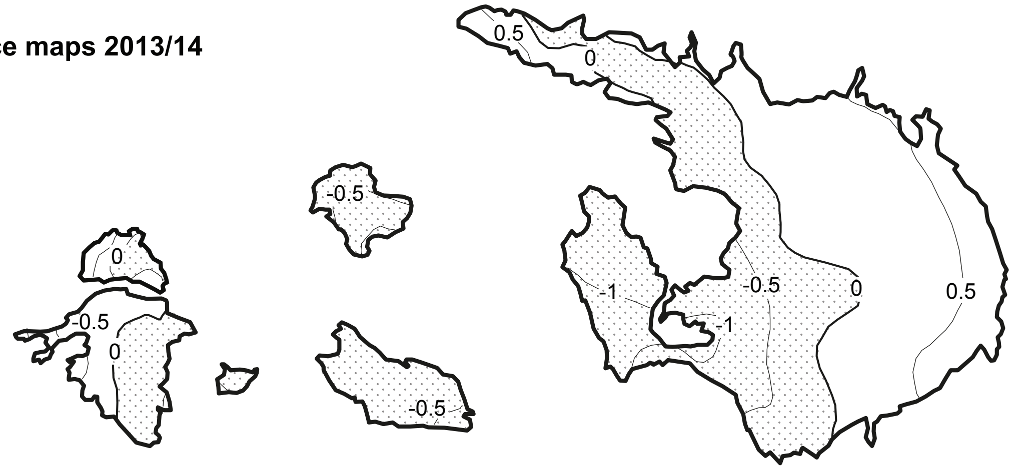
In the 2013/14 hydrological year the annual mass balance of Caresèr Glacier was close to zero (-131 mm w.e.), thanks to high snow accumulation between October and May (63% above the long-term mean) and to favourable conditions in the ablation season, with frequent snowfall above 2,900–3,000 m. In this year the ELA was at 3,061 m a.s.l. with an AAR of 48%. Opposite conditions occurred in 2014/15, with scarce snow accumulation (10% below the long-term mean) and a warm ablation season (2 °C above the 1981–2010 mean at a neighbouring weather station located at 2,605 m a.s.l.). The annual balance in 2014/15 was -2,475 mm w.e. with the ELA above the maximum elevation and an AAR of 0%.

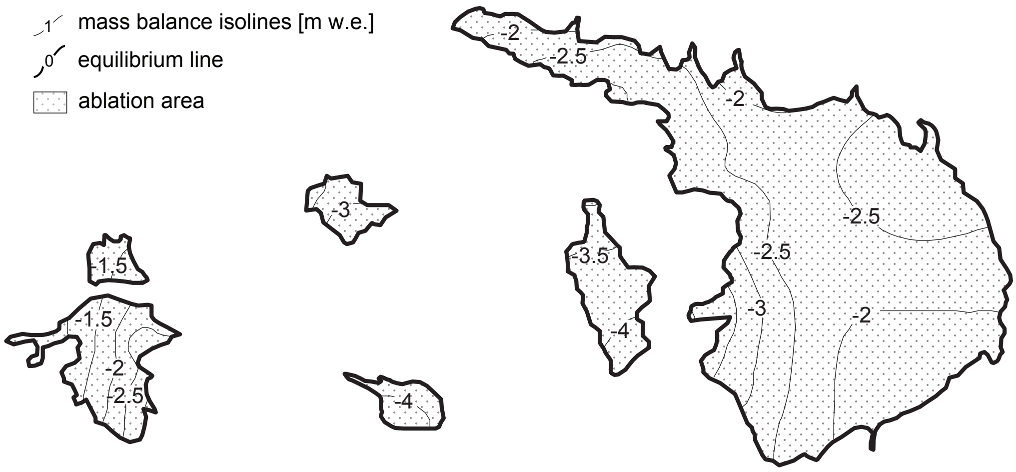
Figure 4.10.1 Topography and observation network and mass balance maps of 2013/14 and 2014/15.

**Topography and observational network**




**Mass balance maps 2013/14 and 2014/15**




## Caresèr (ITALY)

Figure 4.10.2 Mass balance versus elevation (2013/14 and 2014/15).

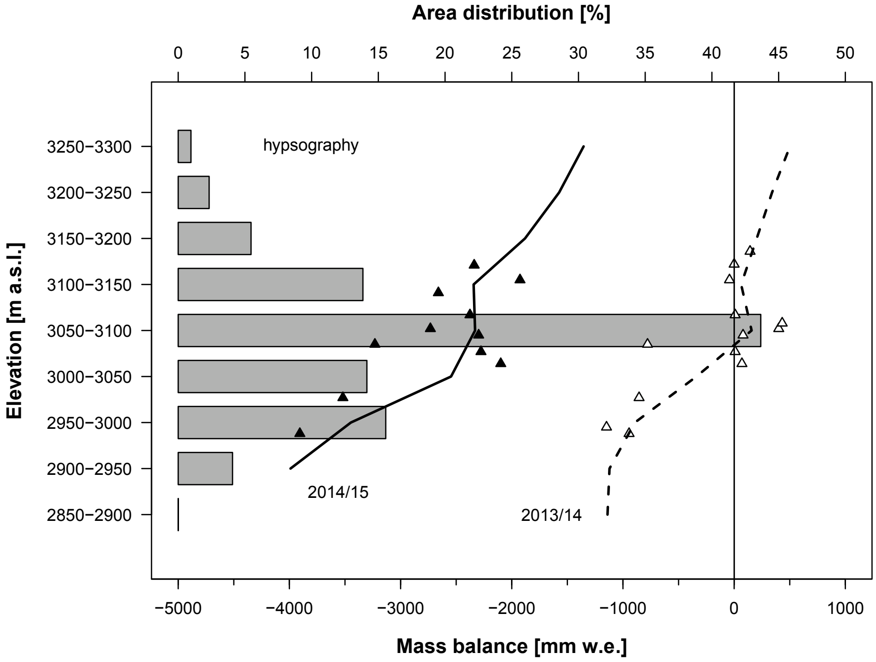



Figure 4.10.3 Glaciological balance versus geodetic balance for the whole observation period.

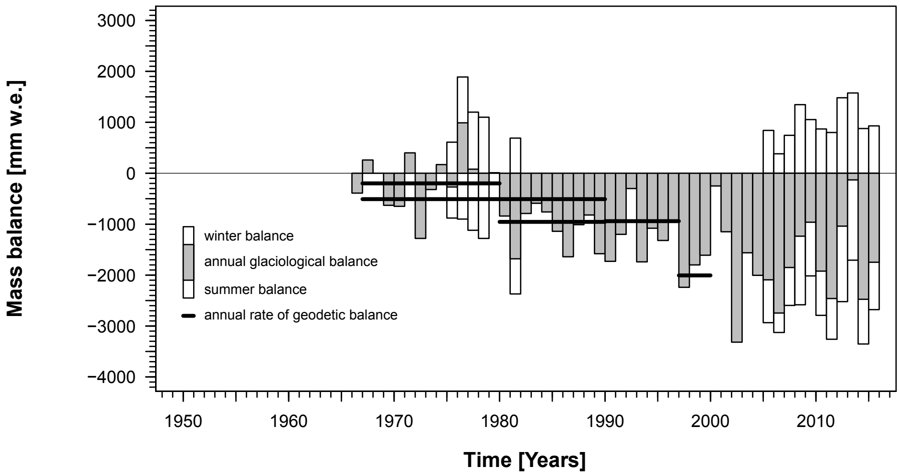
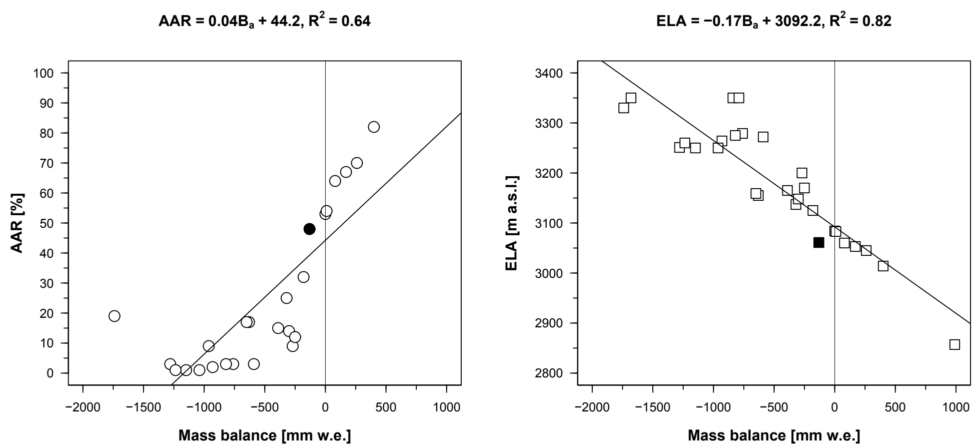


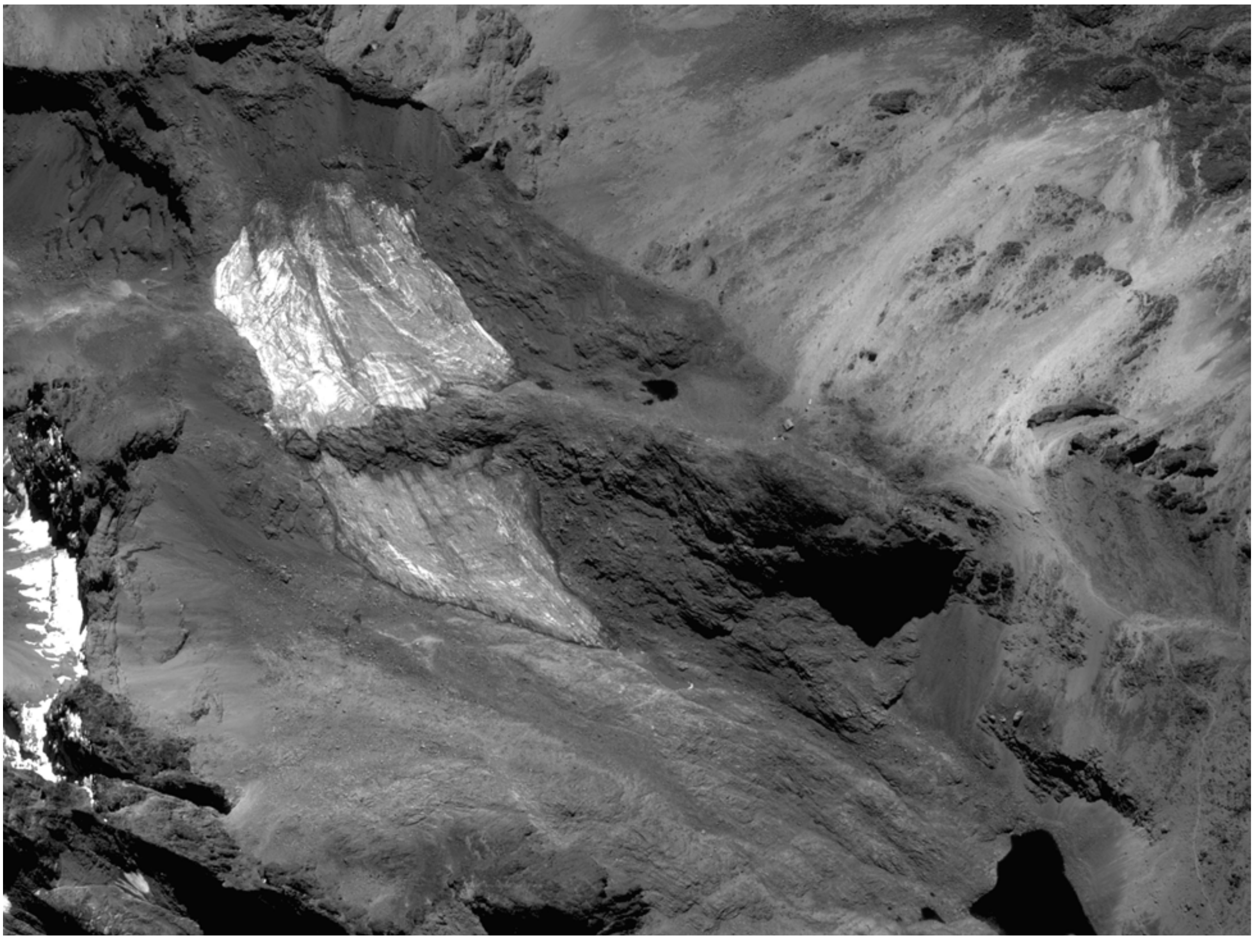

Figure 4.10.4 Accumulation area ratio (AAR) and equilibrium line altitude (ELA) versus specific mass balance for the whole observation period.




## Caresèr (ITALY)

# 4.11 LEWIS (KENYA/MT. KENYA)

COORDINATES: 0.15° S / 37.30° E



Satellite view of Lewis Glacier on 23 February 2016. Source: Pléiades PHR1B scene, courtesy of M. Ladner and A. Heller (Institute of Geography, University of Innsbruck, Austria). North is to the left.

Lewis Glacier (0.107 km²) is the largest among a number of glacierets on Mt Kenya and extends from 4,870 to 4,650 m a.s.l (the 2010 extent). Major glacier changes on Mt Kenya are evident from historical maps, e.g. the 90% decrease in Lewis Glacier volume since 1934 and the vanishing of eight smaller glacierets during the last century, including Gregory Glacier, formerly connected to Lewis Glacier to the north, which disappeared completely in 2011.

Mass balance was measured by applying the glaciological method during the periods 1978/79 to 1995/96 and 2010/11 to 2013/14. Persistent negative mass balances caused the emergence of rock outcrops that divided the glacier into an upper and a lower part in 2014, reducing the glacier area by about 25% and accelerating its disintegration (debris cover, cavities). Thus, the detection of a regional climate signal through mass balance measurements became obsolete. Consequently, the growing impediments of mass balance measurements transformed our observation strategy into the remote sensing of aerial changes, resulting in the ultimate end of the longest mass balance series in the Tropics. The last measured mass balance in 2013/14 (defined from March to March) yielded a value of -934 mm w.e. As there was no accumulation area at the end of the mass balance year, ELA and AAR remain undefined. The mean air temperature from September 2009 to February 2012 was -0.9 °C at 4,830 m a.s.l. A sensitivity study shows that the main drivers of the mass balance are atmospheric humidity, cloudiness and solid precipitation controlling the radiative energy fluxes and mass income. Lower air temperatures do not have the potential to balance the mass budget as they are usually linked to dry conditions, causing accumulation deficits and high net radiative energy gains (Prinz et al., 2016).

Figure 4.11.1 Topography and observation network and mass balance maps of 2013/14.


Lewis (KENYA)

Figure 4.11.2 Mass balance versus elevation (2013/14).

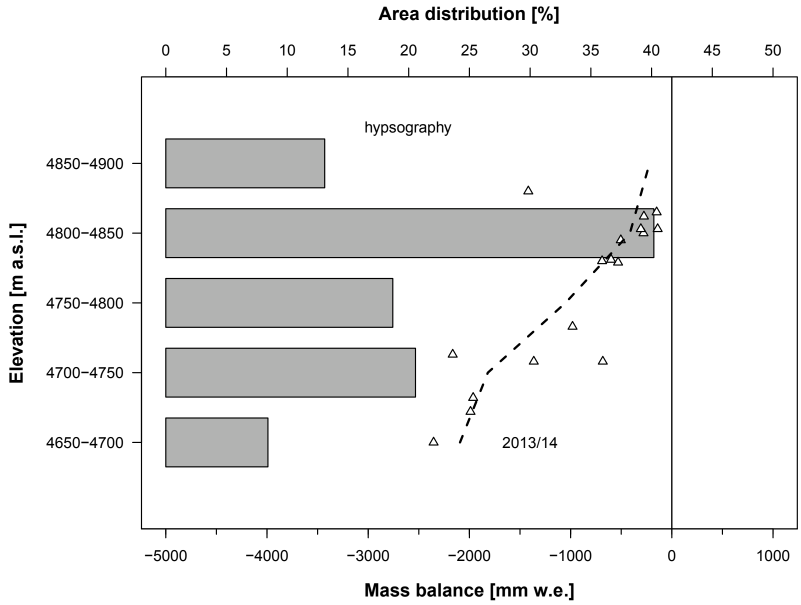



Figure 4.11.3 Glaciological balance versus geodetic balance for the whole observation period.

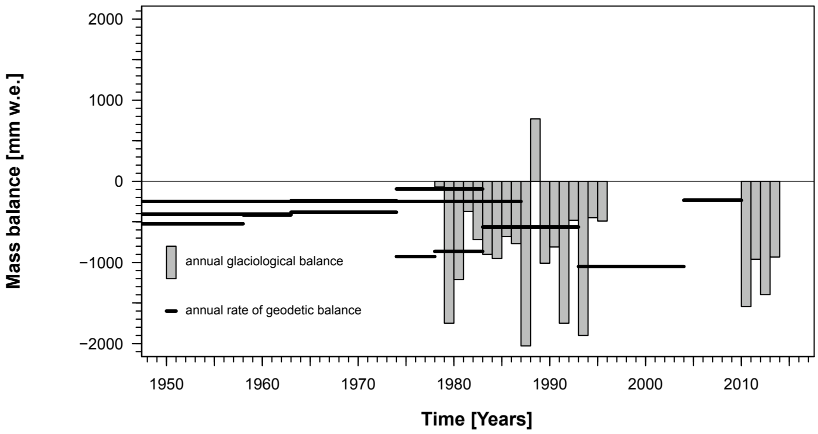
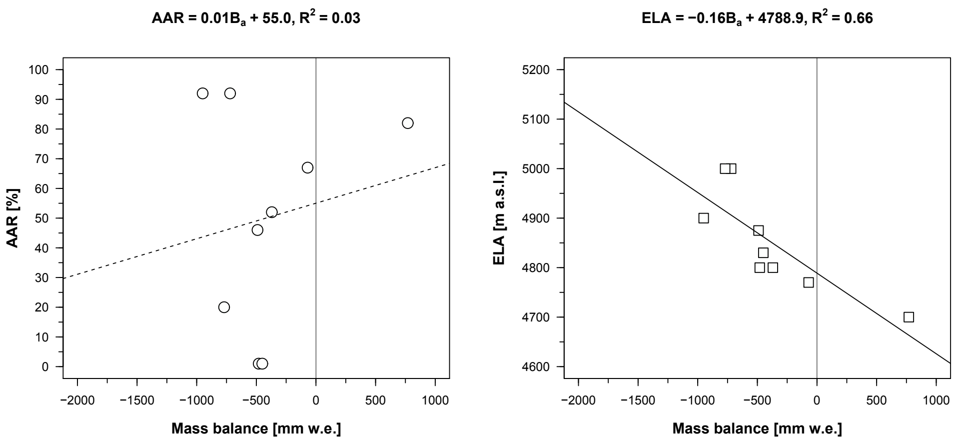


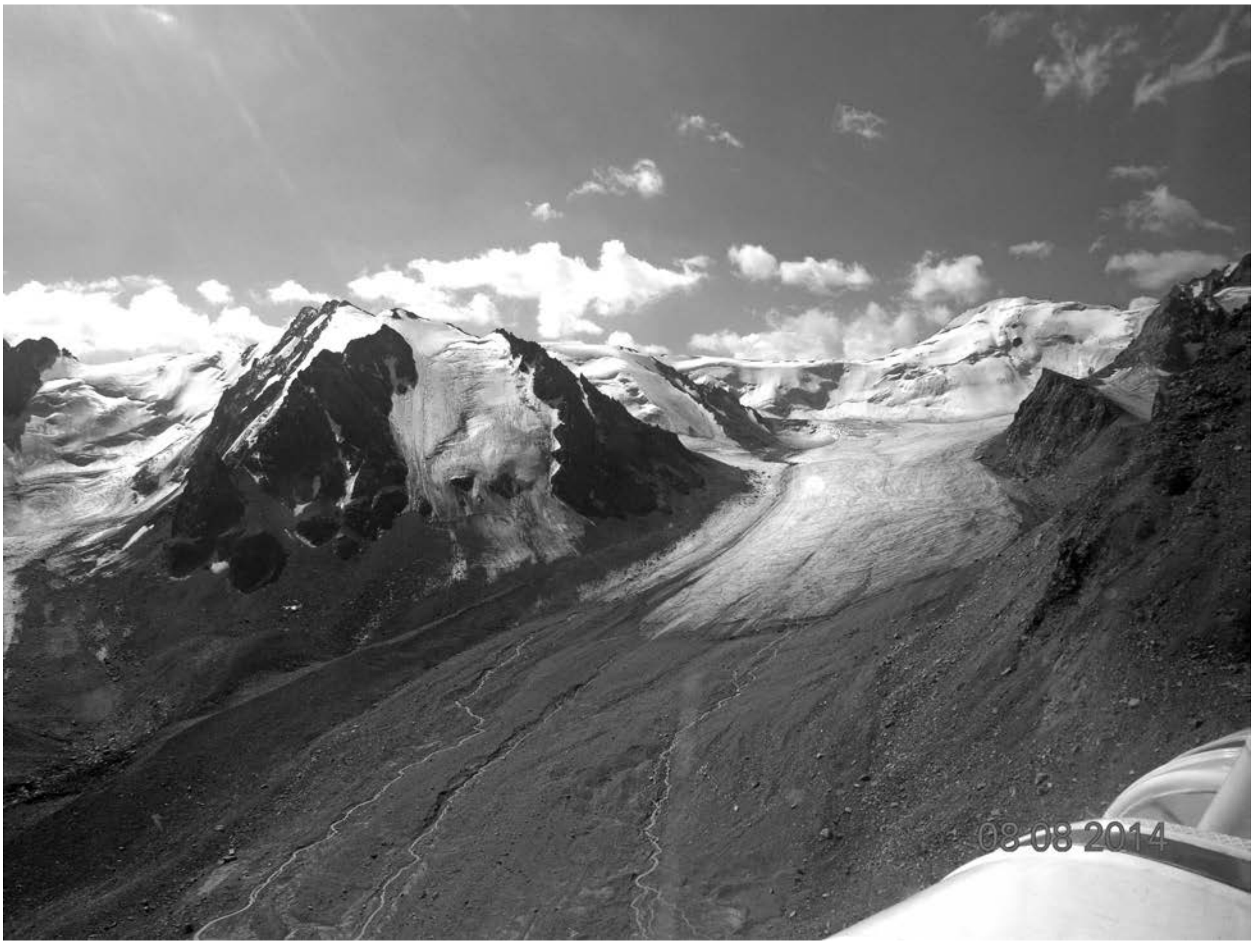

Figure 4.11.4 Accumulation area ratio (AAR) and equilibrium line altitude (ELA) versus specific mass balance for the whole observation period.




# Lewis (KENYA)

## 4.12 TSENTRALNIY TUYUKSUYSKIY (KAZAKHSTAN/TIEN SHAN)

COORDINATES: 43.05° N / 77.08° E



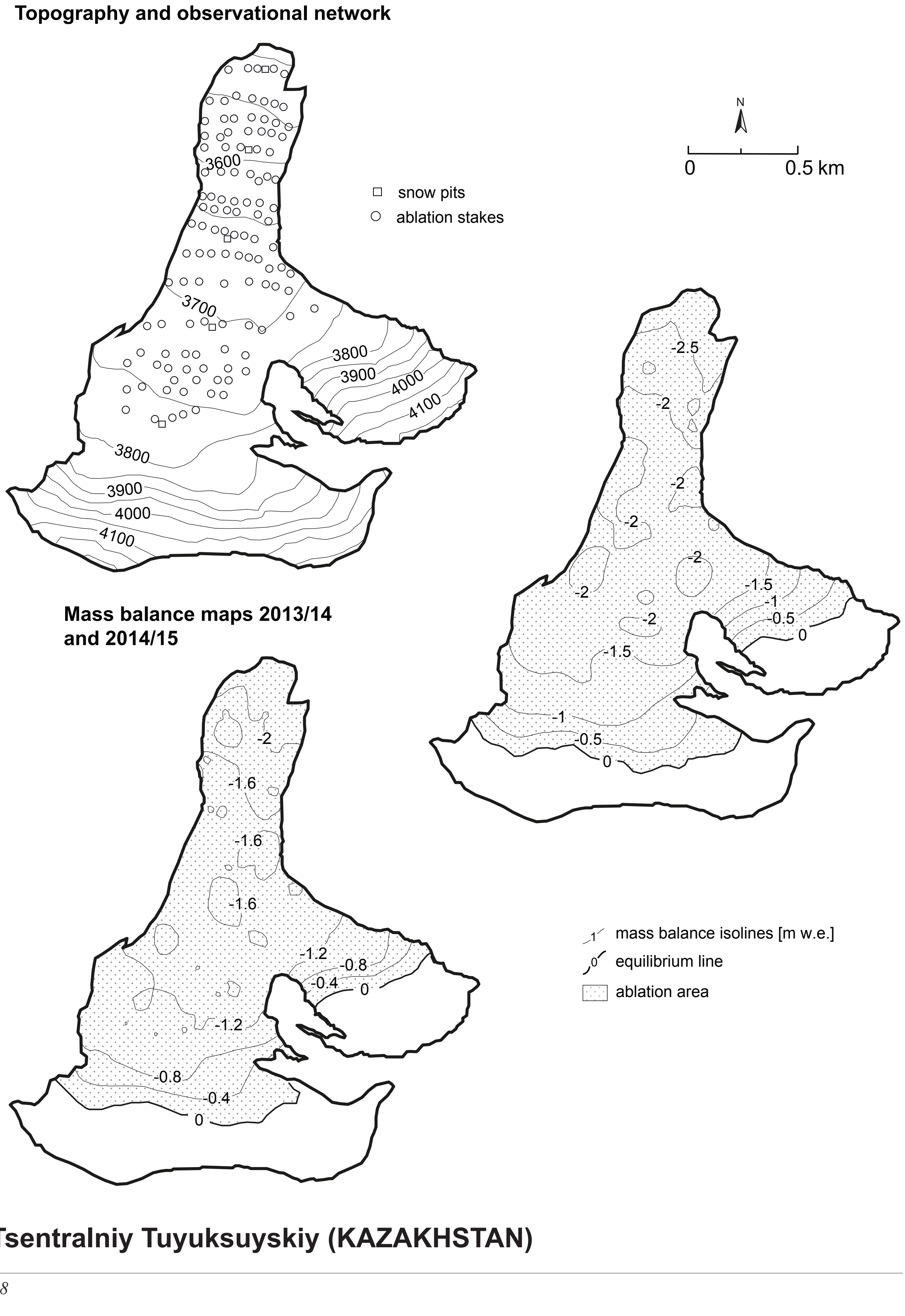

Tuyuksuyskiy glacier on 8 August 2014 (Photo: N. E. Kassatkin).

The Tuyuksu valley glacier is located on the northern slope of the Zailiyskiy Alatau ridge. The glacier is considered to be cold to polythermal and is surrounded by continuous permafrost. Its debris-free surface area amounted to 2.3 km$^2$ as of 2014. The equilibrium line altitude (ELA) in 2013/14 amounted to 3,920 m a.s.l. The average annual temperature at the equilibrium line altitude was -7.5 °C, the annual sum of precipitation at the Tuyuksu meteorological station was equal to 626 mm, 64% of this amount was passed on as precipitation during the summer period. The amount of precipitation for the 2013/14 balance year, as measured using 13 precipitation gauges, equaled 623 mm.

The average temperature during the warm season (June to September) at the Tuyuksu station amounted to 5 ºC, which was 0.8 ºC above the average for 1972–2014, while the annual sum of precipitation for the warm season was 227 mm less than the average for a specified period.

As a result of these conditions, the glacier mass balances for 2013/14 and 2014/15 were -1,088 and -756 mm w.e., respectively. Corresponding ELA (AAR) values were 3,920 m a.s.l. (29%) and 3,900 m a.s.l. (31%). The average annual balance for the 1972–2015 period was -525 mm w.e. a$^{-1}$.

Figure 4.12.1 Topography and observation network and mass balance maps of 2013/14 and 2014/15.




## Tsentralniy Tuyuksuyskiy (KAZAKHSTAN)

Figure 4.12.2 Mass balance versus elevation (2013/14 and 2014/15).

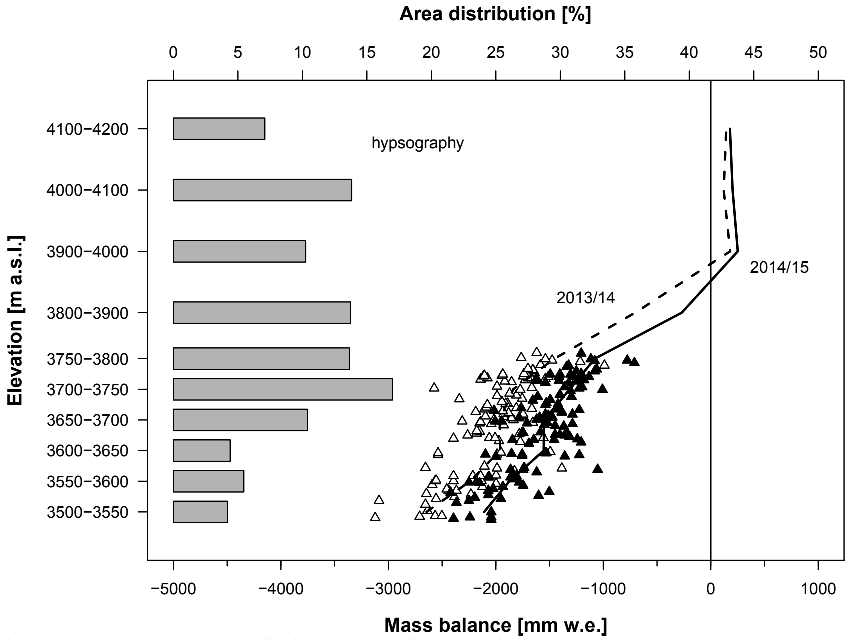



Figure 4.12.3 Glaciological balance versus geodetic balance for the whole observation period.

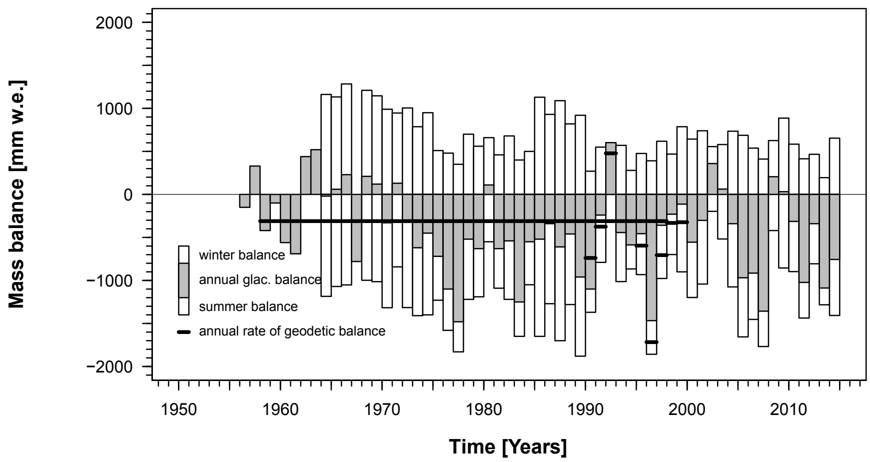
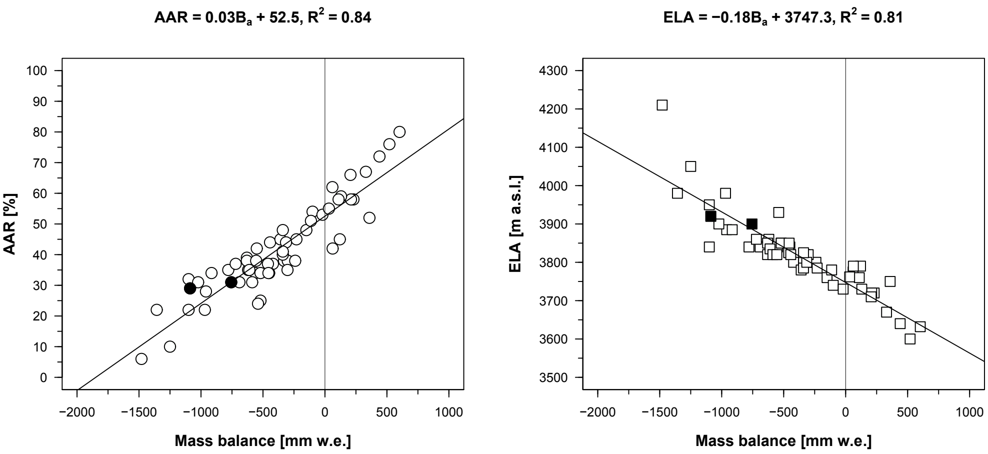



Figure 4.12.4 Accumulation area ratio (AAR) and equilibrium line altitude (ELA) versus specific mass balance for the whole observation period.




## Tsentralniy Tuyuksuyskiy (KAZAKHSTAN)

## 4.13 YALA (NEPAL/HIMALAYA)

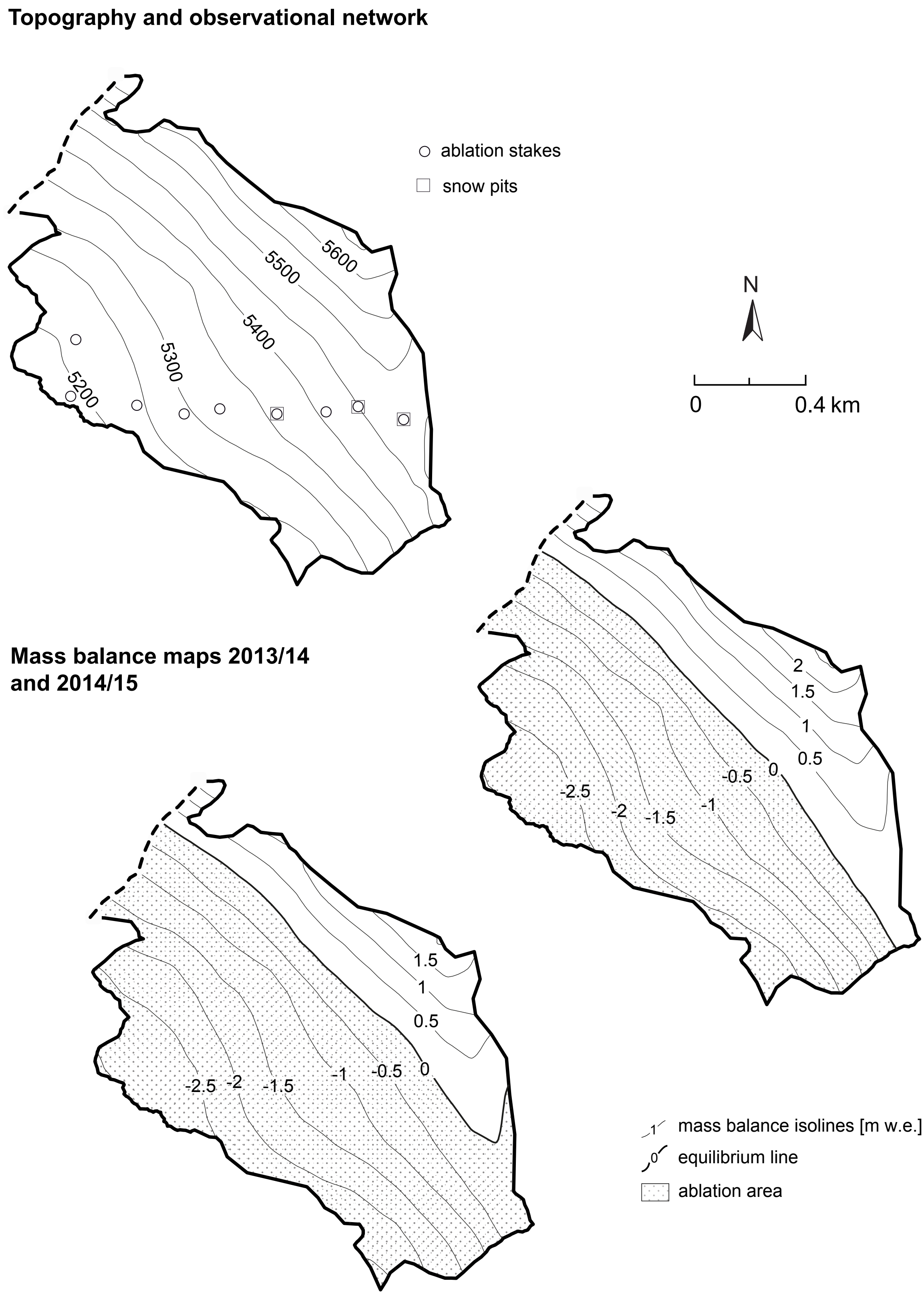
COORDINATES: 28.24° N / 85.62° E

Panoramic view of Yala Glacier. Photograph taken by S.P. Joshi on 9 May 2016.

Yala Glacier is located in the Langtang Valley, Rasuwa district of Nepal 70 km north of Kathmandu. It is a plateau glacier with an altitude range from 5,661 to 5,168 m a.s.l. In 2012, the length and area of Yala Glacier was about 1.2 km and 1.61 km$^2$, respectively. The glacier is mainly oriented south west, and has many ice cliffs facing south and southwest. The nearest weather station with long term data is in Kyangjing (3,920 m a.s.l.), which is about 6 km horizontal distance and south west from the Yala Glacier. The mean annual air temperature in Kyangjing is about 4 °C and the annual average precipitation is about 661 mm (1988–2012). The main precipitation originates from monsoon systems during the summer months, and the rest from westerly disturbances mainly in the second part of winter and spring.

Yala Glacier has been investigated since the 1980s by Japanese researchers. The mass balance monitoring programme was re-established in 2011 by the Cryosphere Monitoring Programme of ICIMOD and partner organizations, and has been funded by the Government of Norway. The observations show that the glacier has been shrinking continuously, retreating 345 m since 1974, with an annual average retreat rate of -8 m. From 2014 to 2016, Yala Glacier retreated 21 m. The annual balances in 2013/14 and 2014/15 showed a mass loss of -642 mm w.e. and -903 mm w.e., respectively, and the corresponding ELAs were 5,435 m and 5,466 m a.s.l., with an AAR of 34% and 24%.

Figure 4.13.1 Topography and observation network and mass balance maps of 2013/14 and 2014/15.




## Yala (NEPAL)

Figure 4.13.2 Mass balance versus elevation (2013/14 and 2014/15).

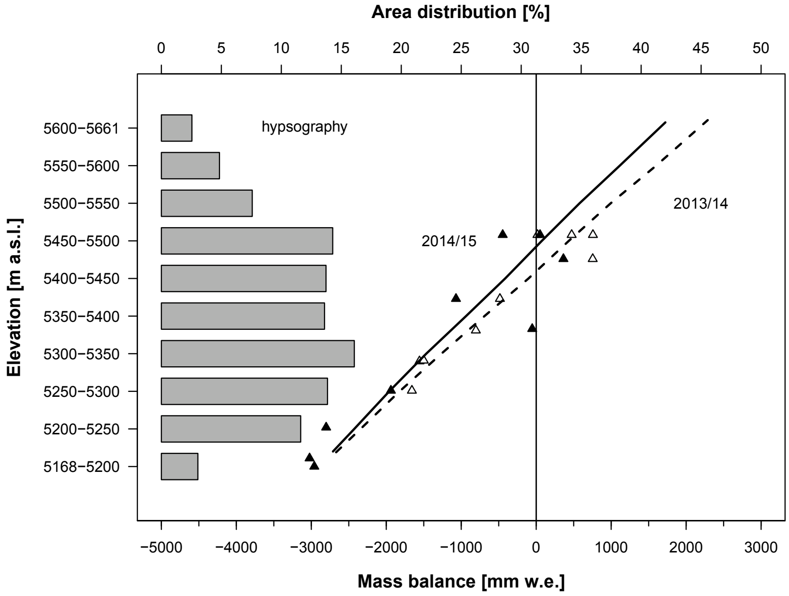



Figure 4.13.3 Glaciological balance versus geodetic balance for the whole observation period.

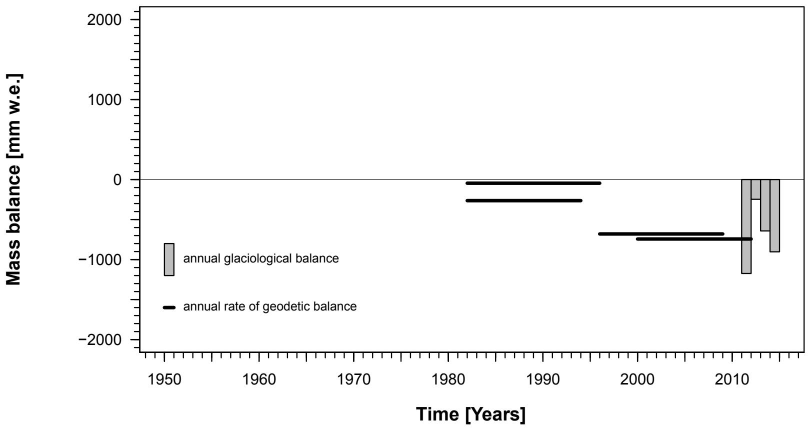
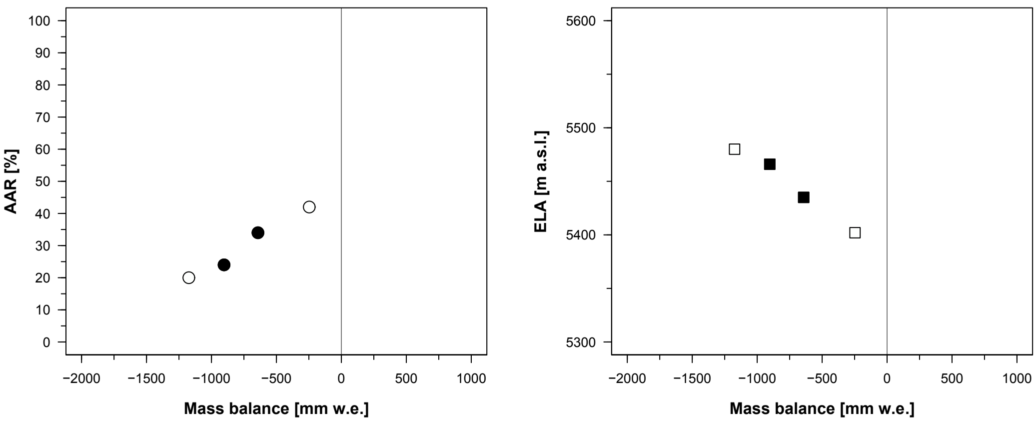



Figure 4.13.4 Accumulation area ratio (AAR) and equilibrium line altitude (ELA) versus specific mass balance for the whole observation period.




# Yala (NEPAL)

## 4.14 WALDEMARBREEN (NORWAY/SPITSBERGEN)

COORDINATES: 78.67° N / 12.00° E

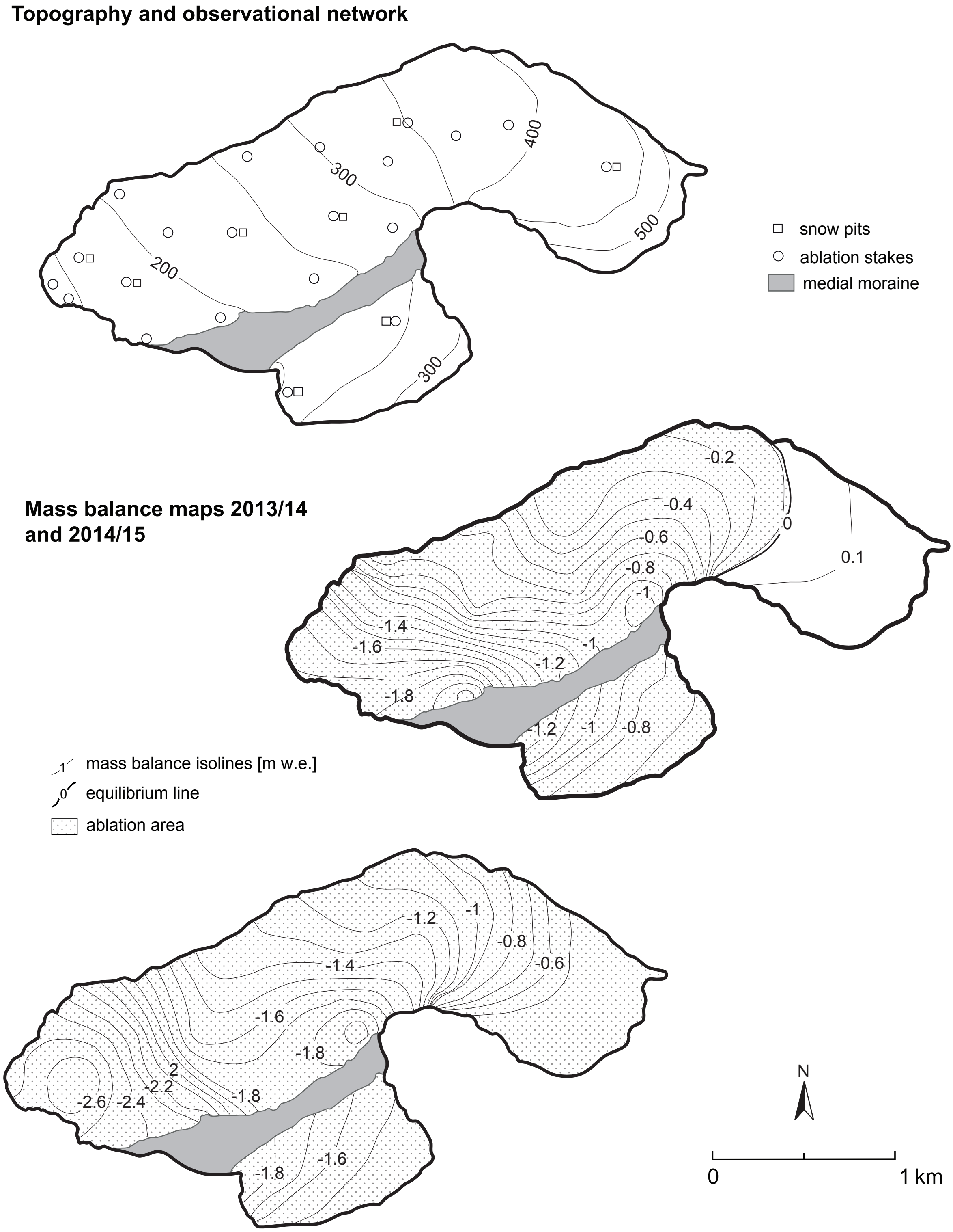
Photograph from summer 2015, taken by I. Sobota.

Waldemarbreen is located in the northern part of the Oscar II Land, northwestern Spitsbergen, and flows downvalley to the Kaffiøyra plain. Kaffiøyra is a coastal lowland situated on the Forlandsundet. The glacier is composed of two parts separated by a 1,600 m long medial moraine. It occupies an area of about 2.4 $km^2$ and extends from 500 m to 150 m a.s.l. with a general exposure to the west. Mean annual air temperature in this area is about -4 to -5 °C and annual precipitation is approximately 300–400 mm. In the years 1997–2015 the average air temperature during the summer season in this region was 5.4 °C. Since the 19th century the surface area of the Kaffiøyra region glaciers has decreased by over 43 %. Recently Waldemarbreen has been retreating by 8 m $a^{-1}$.

Mass balance investigations have been conducted since 1996. Since then, the average glacier mass balance was -700 mm w.e. $a^{-1}$. Detailed glaciological research methods and geodetic surveys are described by Sobota & Lankauf (2010) and Sobota (2013). Long-term mass balance of glaciers changes in the Kaffiøyra region are described by Sobota et al. (2016).

The balance in 2013/14 showed a mass loss of -576 mm w.e. The corresponding ELA was 385 m a.s.l., with an AAR of 16%. In 2014/15 the mass balance was -1,439 mm w.e. The ELA was 526 m a.s.l., with an AAR of 0%.

Figure 4.14.1 Topography and observation network and mass balance maps of 2013/14 and 2014/15.




## Waldemarbreen (NORWAY)

Figure 4.14.2 Mass balance versus elevation (2013/14 and 2014/15).

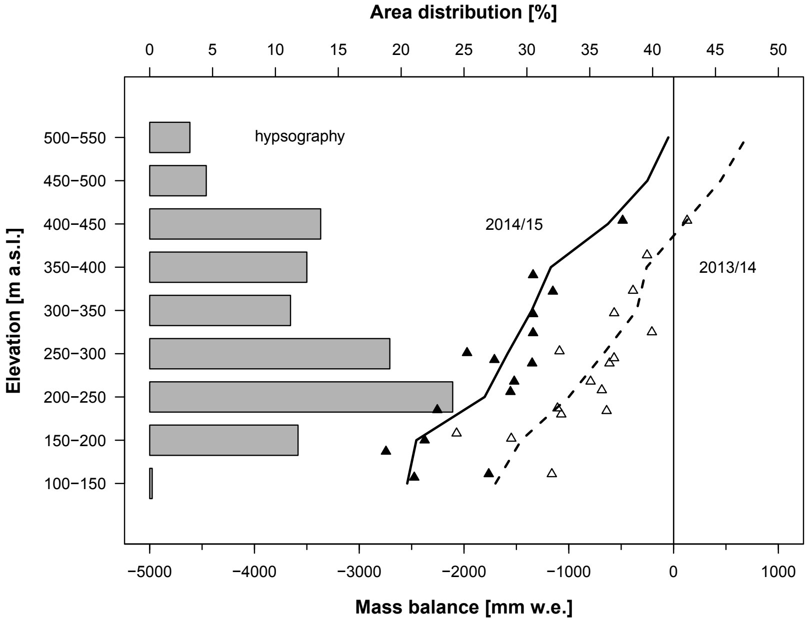



Figure 4.14.3 Glaciological balance versus geodetic balance for the whole observation period.

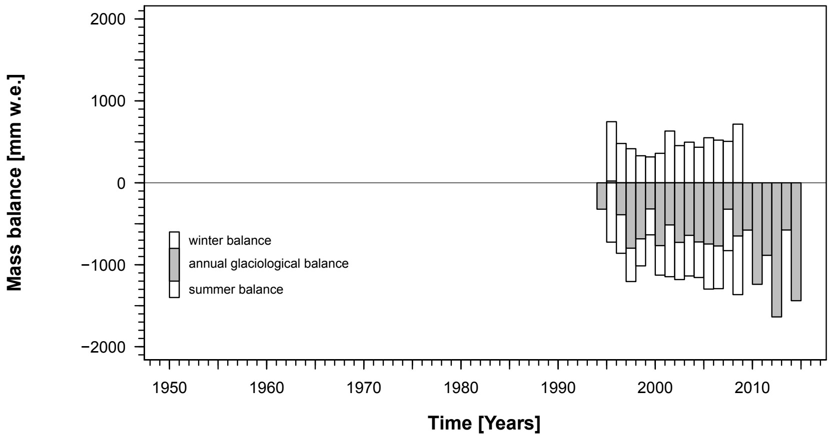
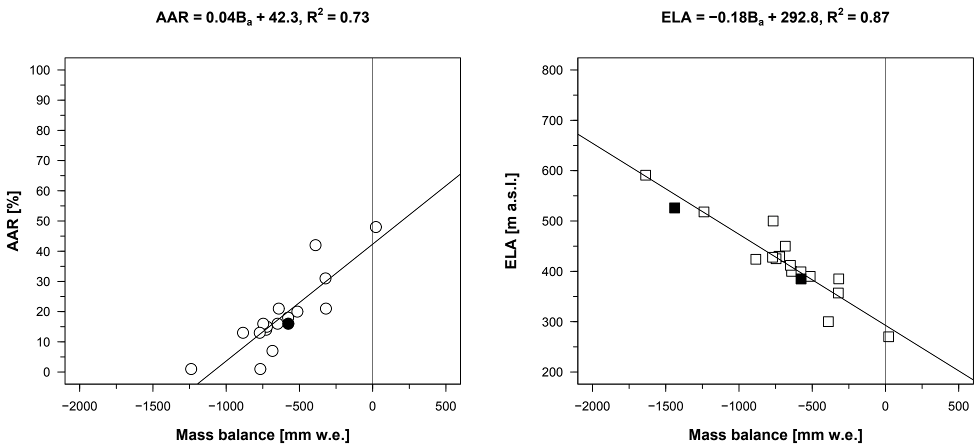



Figure 4.14.4 Accumulation area ratio (AAR) and equilibrium line altitude (ELA) versus specific mass balance for the whole observation period.



## 4.15 RHONEGLETSCHER (SWITZERLAND/ALPS)

COORDINATES: 46.62° N / 8.40° E

Tongue of Rhonegletscher with proglacial lake as in summer 2015 (photograph taken by M. Huss).

Rhonegletscher is a valley glacier located in the Central Swiss Alps at the source of the Rhone River. The glacier is characterized by a wide and relatively gently sloping accumulation area and a roughly four-kilometre-long tongue with no debris coverage exposed to the south. Glacier area was 15.6 $km^2$ in 2014, and covers and elevation range from 2,200 to 3,600 m a.s.l. The glacier currently terminates in a proglacial lake that has been growing continuously since 2005. Various campaigns to measure ice thickness were conducted, indicating a maximum thickness of more than 400 metres in the upper part of the glacier and an overall ice volume of 1.86 $km^3$. The average annual and summer air temperature at the equilibrium line is around -3 °C and +4 °C, respectively, and mean annual precipitation at nearby Grimsel Hospiz is 1,980 mm. Winter snow measurements indicate a strong north-south gradient resulting in up to twice as much precipitation in the accumulation area compared to the glacier terminus.

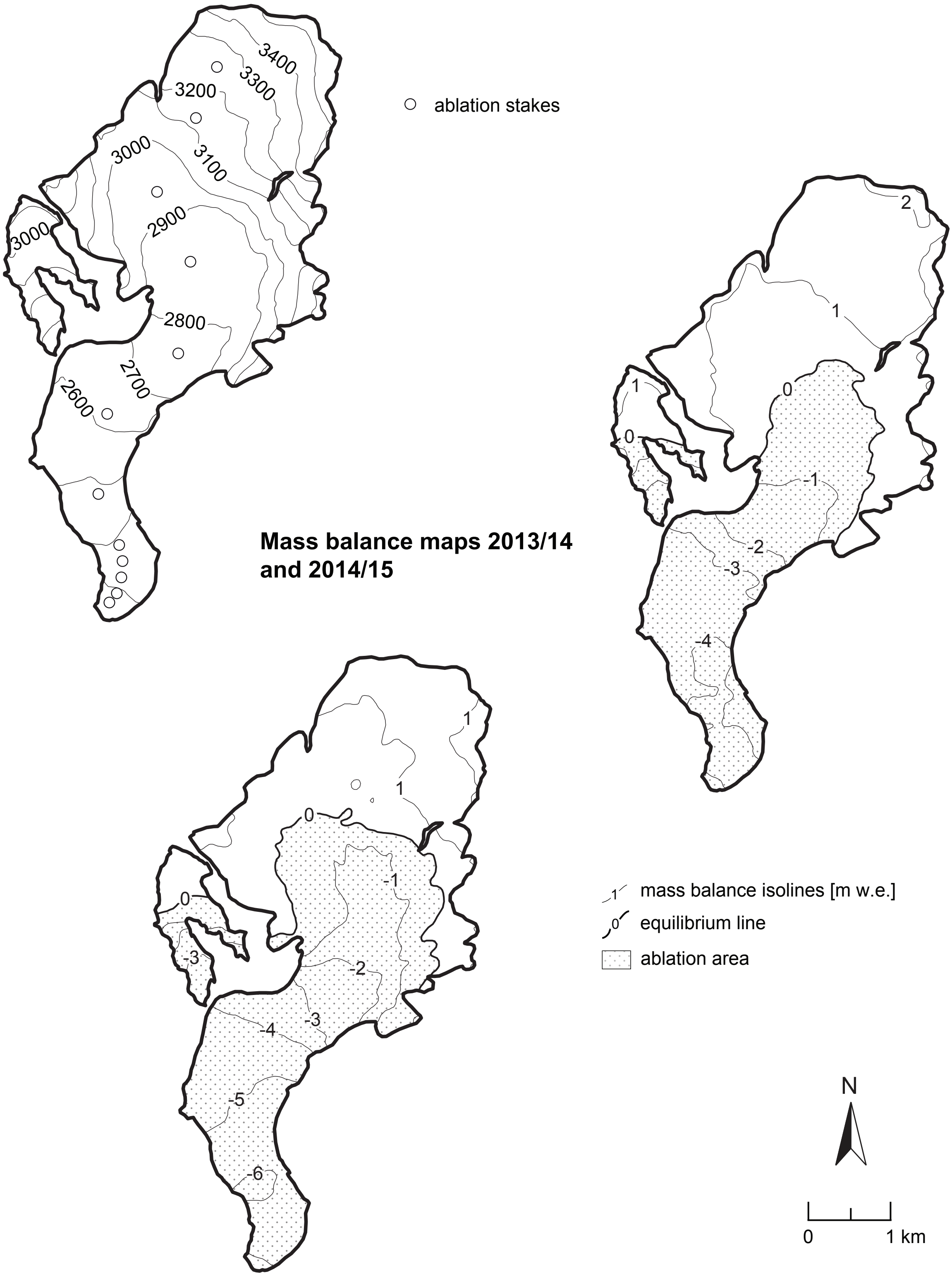
On Rhonegletscher, the first direct mass balance measurements worldwide were conducted at a network of 10 to 20 stakes between 1884 and 1910 (Mercanton, 1916). After detailed mass balance surveys between 1979 and 1982, monitoring was resumed in 2006 and is now conducted regularly at seasonal resolution. The evolution of surface topography is documented by eight digital elevation models and volumetric changes have been determined over the period 1874 to 2013.

The annual surface mass balance 2013/14 was -383 mm w.e. with an ELA at 2,915 m a.s.l. and an AAR of 57%. Due to strongly above-average summer temperatures, strong mass loss was observed in 2014/15 with a mass balance of -1,083 mm w.e. The ELA was on 3,000 m a.s.l. and AAR was 45%.

Figure 4.15.1 Topography and observation network and mass balance maps of 2013/14 and 2014/15.

**Topography and observational network**

**Mass balance maps 2013/14 and 2014/15**




## Rhonegletscher (SWITZERLAND)

Figure 4.15.2 Mass balance versus elevation (2013/14 and 2014/15).

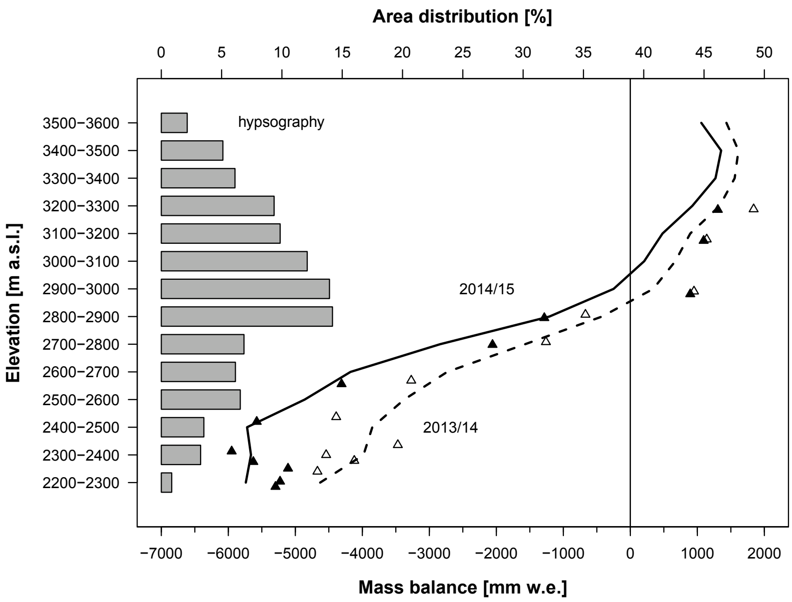



Figure 4.15.3 Glaciological balance versus geodetic balance for the whole observation period.

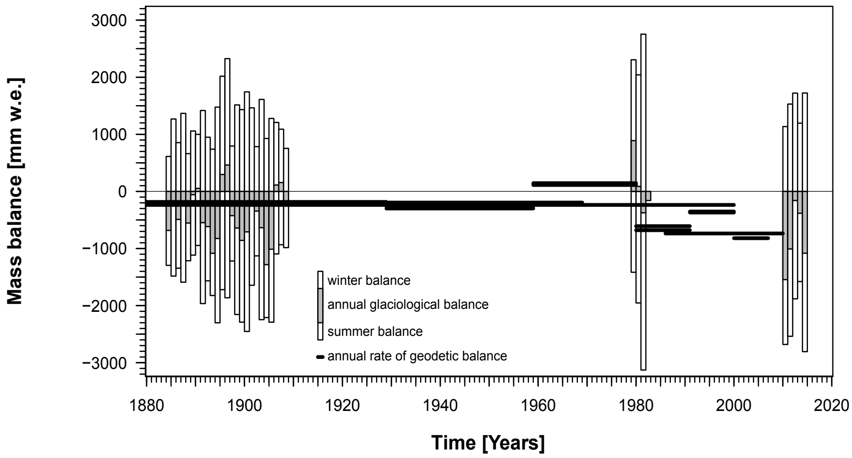
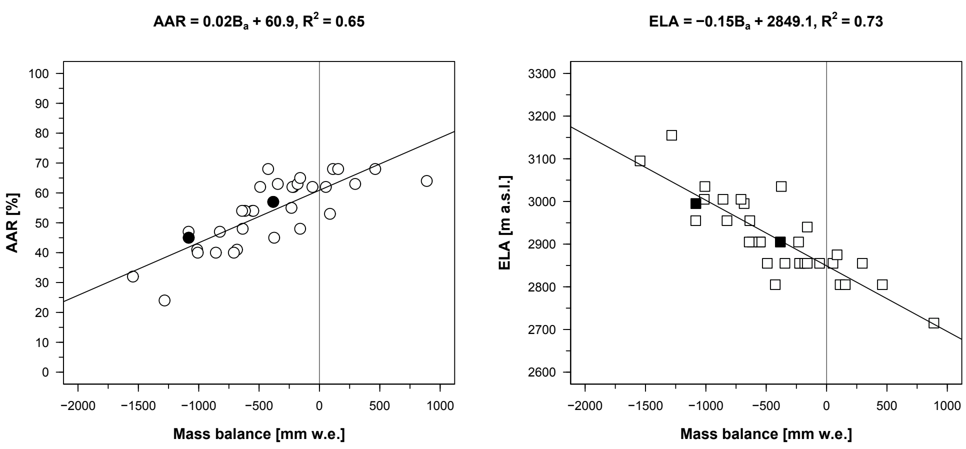



Figure 4.15.4 Accumulation area ratio (AAR) and equilibrium line altitude (ELA) versus specific mass balance for the whole observation period.




# Rhonegletscher (SWITZERLAND)

## 4.16 LEMON CREEK (USA/COAST MOUNTAINS)

COORDINATES: 58.38° N / 134.36° W

Lemon Creek Glacier on 11 September 2016 (photograph taken by M. Pelto).

This temperate valley glacier is part of the Juneau Icefield in the Coast Range of Southeast Alaska. The equilibrium line is at 1,020 m a.s.l. The glacier extends from 1,400 to 820 m a.s.l. and has a surface area of 11.6 $km^2$. The terminus of the glacier is currently steep and continuing a long-term retreat averaging 10-13 m $a^{-1}$, from 1998–2015. Mass balance measurements were initiated on this glacier in 1953 and have been conducted continuously since. A combined fixed date/stratigraphic method is employed, and only annual balance is determined. In 2014 five snow pits were completed in early July, ablation stakes were emplaced at four of the snowpits and one location near the terminus recording ablation up to September 17th. The accumulation was assessed in early July at 625 locations using probing with average 1,410 mm w.e. Average ablation from July 2 to September 17th was 2,750 mm w.e. The transient snowline was mapped on September 17th providing both the annual ELA and the AAR. In 2015, GPR surveys on March 31st indicate snow depth with an average of 1,860 mm w.e. retained. Ablation from 9/17/2014 to 7/6/2015 was ~1 m w.e. The transient snowline was observed to rise from 760 m a.s.l. on May 26th to 1,250 m a.s.l. by September 8th.

During July and August, the primary ablation period on the Lemon Creek Glacier, average temperate at Camp 17 adjacent to the glacier averaged 5.5 °C in 2014 and 4.5 °C in 2015. The freezing level during the winter of 2014 and 2015 averaged 685 m a.s.l. and 812 m a.s.l. respectively compared to an average of 570 m a.s.l. The freezing level in May and June was more than 300 m above average in 2014 and 2015, indicating the early onset of significant melt during the ablation season in 2014 and 2015. The 812 m a.s.l. was the second-highest freezing level since 1953. This led to less of the accumulation season precipitation being retained as snowpack at the end of the accumulation season. The mass balance was negative -1,825 mm w.e. in 2013/14, with an ELA of 1,240 m a.s.l. In 2014/15 the mass balance was negative -2,270 mm w.e., with an ELA above the glacier.

Figure 4.16.1 Topography and observation network and mass balance maps of 2013/14 and 2014/15.

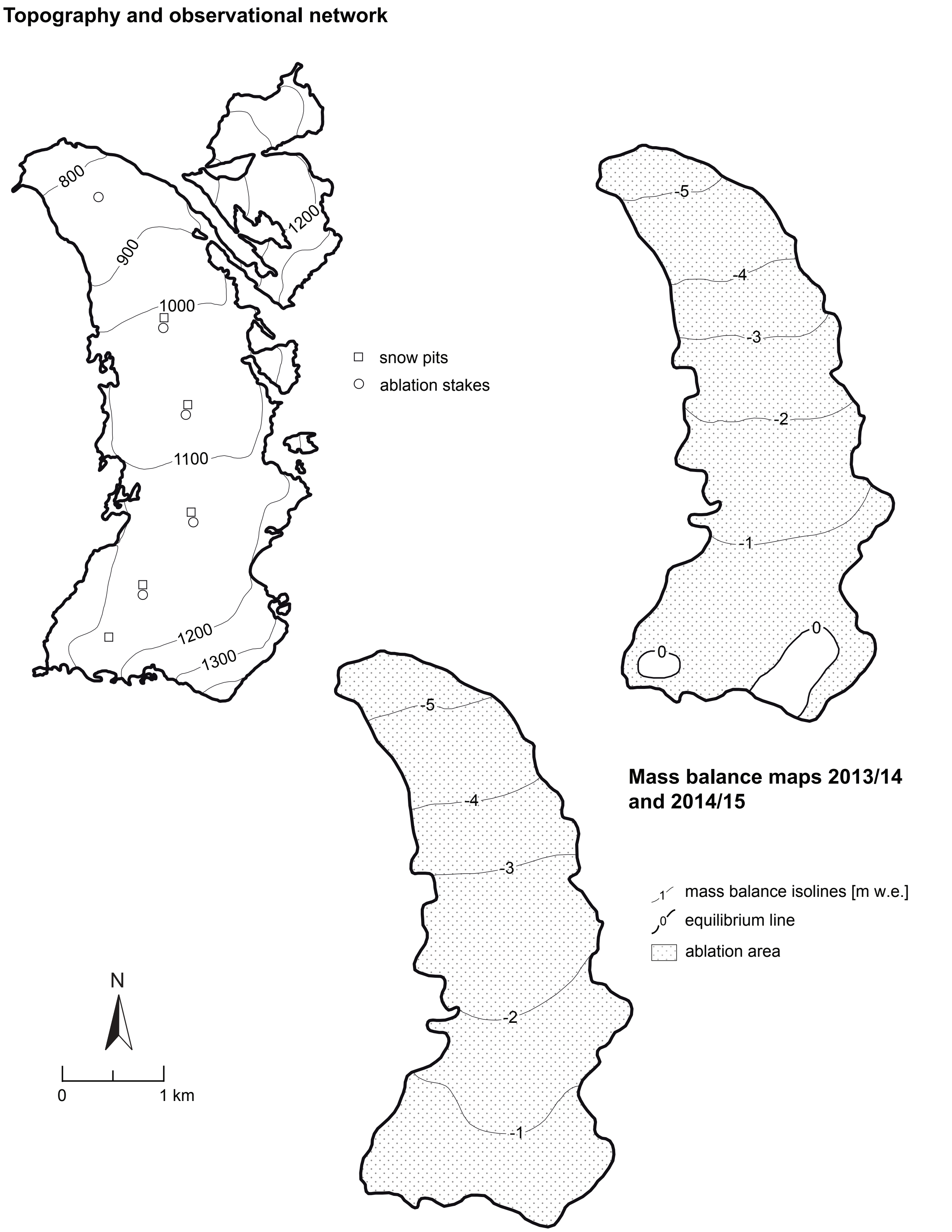


Figure 4.16.2 Mass balance versus elevation (2013/14 and 2014/15).

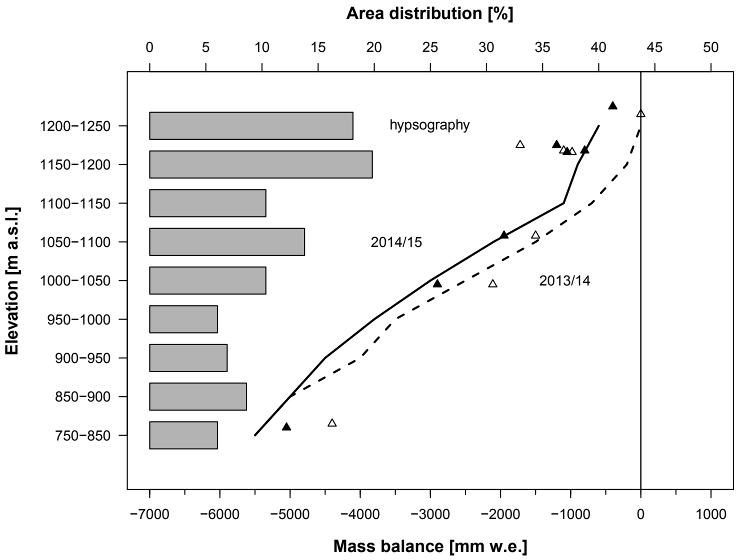



Figure 4.16.3 Glaciological balance versus geodetic balance for the whole observation period.

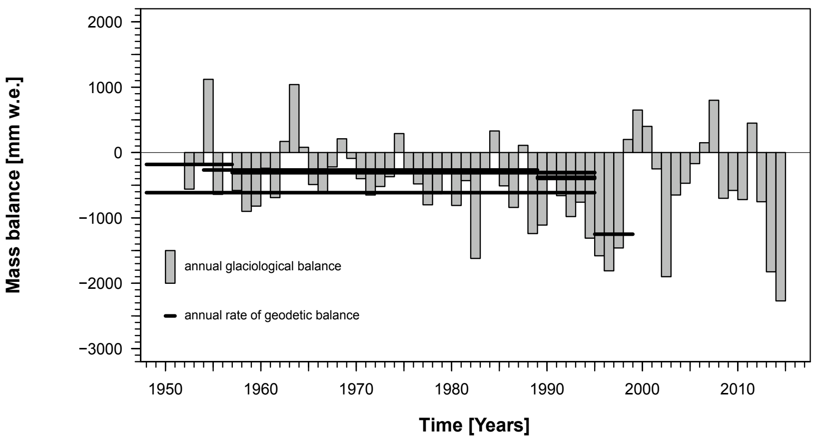
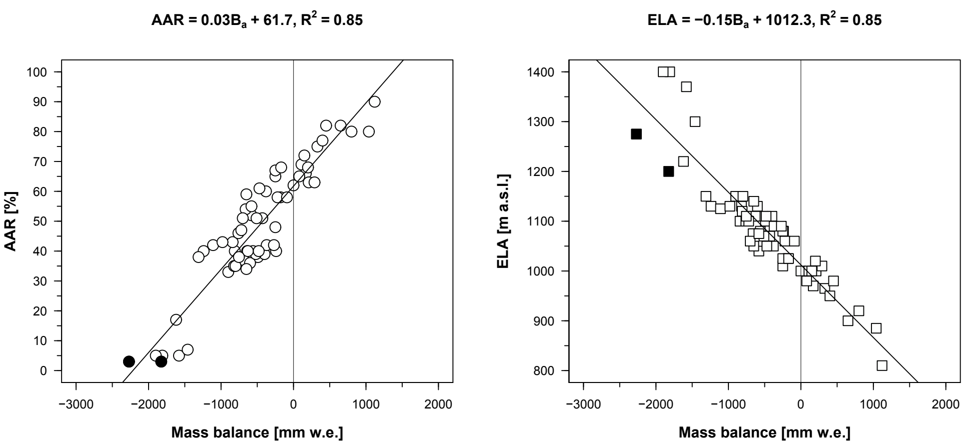



Figure 4.16.4 Accumulation area ratio (AAR) and equilibrium line altitude (ELA) versus specific mass balance for the whole observation period.




# Lemon Creek (USA)

# 5 CONCLUDING REMARKS

Glacier monitoring has been coordinated internationally since 1894. This long-term effort has resulted in the compilation of an unprecedented dataset of changes in glacier length, area, volume, and mass. The dataset has been made freely available by the WGMS and its predecessor organizations and is widely used in scientific studies and assessment reports. The worldwide retreat of glaciers has become one of the most prominent icons of global climate change. Moreover, glacier decline has impacts on the local hazard situation, regional water availability, and global sea level rise.

The retreat of glaciers from their Little Ice Age (LIA) moraines and trimlines can be observed in the field as well as on aerial and satellite images for tens of thousands of glaciers around the world. Large collections of historical and modern photographs (e.g., NSIDC, 2002, updated 2015) document this change in a qualitative manner. The dataset presented here allows these changes to be quantified at samples ranging from a few hundred to a few thousand glaciers with observation series. There is a global trend to centennial glacier retreat from LIA maximum positions, with typical cumulative values of several hundred to a few thousand metres.

In various mountain ranges, glaciers with decadal response times have shown intermittent re-advances which, however, were short and thus much less extensive when compared to the overall frontal retreat. The most recent re-advance phases were reported from Scandinavia and New Zealand in the 1990s or from (mainly surge glaciers in) the Karakoram at the beginning of the 21$^{st}$ century. Early (geodetic) mass balance measurements indicate moderate decadal ice losses of a few dm w.e. $a^{-1}$ in the second half of the 19$^{th}$ and at the beginning of the 20$^{th}$ centuries, followed by increased ice losses around 0.4 m w.e. $a^{-1}$ in the 1940s and 1950s. Larger data samples (from both glaciological and geodetic methods) with better global coverage adequately document the period of moderate ice loss which followed between the mid-1960s and mid-1980s, as well as the subsequent acceleration in ice loss to > 0.5 m w.e. $a^{-1}$ in the first decade of the 21$^{st}$ century.

In the time period covered by the present bulletin, glaciers observed by the glaciological method lost more than 0.9 m w.e. $a^{-1}$. This continues the historically unprecedented ice loss observed since the turn of the century and is double the ice loss rates of the 1990s.

With their dynamic response to changes in climatic conditions – growth/reduction in area mainly through the advance/retreat of glacier tongues – glaciers re-adjust their extent to equilibrium conditions of ice geometry with a zero mass balance. Recorded mass balances document the degree of imbalance between glaciers and climate due to the delay in dynamic response caused by the characteristics of ice flow (deformation and sliding); over longer time intervals they depend on the rate of climatic forcing. With constant climatic conditions (no forcing), balances would tend towards and finally become zero. Long-term non-zero balances are, therefore, an expression of ongoing climate change and sustained forcing. Trends towards increasing non-zero balances are triggered by accelerated forcing. In the same way, comparison between present-day and past values of mass balance must take the changes in glacier area into account (Elsberg et al., 2001). Many of the relatively small glaciers, measured within the framework of the present mass balance observation network, have lost large percentages of their area during the past decades. The recent increase in the rates of ice loss over diminishing glacier surface areas, as compared with earlier losses related to larger surface areas, becomes even more pronounced and leaves no doubt about the accelerating change in climatic conditions, even if a part of the observed acceleration trend is likely to be caused by positive feedback processes.

Rising snowlines and cumulative mass losses lead to changes in the average albedo and to a continued surface lowering. Such effects cause pronounced positive feedbacks with respect to radiative and sensible heat fluxes. Albedo changes are especially effective in enhancing melt rates and can also be caused by the input of dust (Oerlemans et al., 2009). The cumulative length change of glaciers is the result of all effects combined, and constitutes the key to a global intercomparison of decadal with secular mass losses. Surface lowering, thickness loss and the resulting reduction in driving stress and flow, however, increasingly replace processes of tongue retreat with processes of downwasting, disintegration or even the collapse of entire glaciers. Moreover, the thickness of most glaciers regularly observed for their mass balance is measured in (a few) tens of metres. From the measured mass losses and thickness reductions, it is evident that several network glaciers with important long-term observations may not survive for many more decades. A special challenge therefore consists in developing a strategy for ensuring the continuity of adequate mass balance observations under such extreme conditions.

Key tasks for the future of glacier mass balance monitoring include the continuation of (long-term) measurement series, the extension of the presently available dataset, especially in under-represented regions (Nussbaumer et al., 2017; Hoelzle et al., 2017), the quantitative assessment of uncertainties relating to available measurements (e.g., Magnússon et al., 2016), and their representativeness for changes in corresponding mountain ranges. The latter requires a well-considered integration of in-situ measurements, remotely sensed observations (e.g., Gardner et al., 2013), and numerical modelling (e.g., Huss, 2012) taking into account the related spatial and temporal scales.

# 6 ACKNOWLEDGEMENTS AND REFERENCES

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# 7 PRINCIPAL INVESTIGATORS

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# 8 SPONSORING AGENCIES

| Abbreviation | Sponsoring Agency |
|---|---|
| ACINN: | Institute of Atmospheric and Cryospheric Sciences (formerly: Institute of Meteorology and Geophysics, IMGI), University of Innsbruck (AT) |
| AM: | Association Moraine (FR) |
| ARC: | Antarctic Research Centre, Victoria University of Wellington (NZ) |
| ARPA: | Agenzia Regionale per la Protezione dell'Ambiente della Valle d'Aosta (IT) |
| BE-Forest: | Forestry Service of Canton Bern (CH) |
| CAIAG: | Central Asian Institute of Applied Geosciences (KG) |
| CAREERI: | Cold and Arid Regions Environment and Engineering Research Institute, Chinese Academy of Sciences (CN) |
| CAS/ITPR: | Institute of Tibetan Plateau Research, Chinese Academy of Sciences (CN) |
| CECS: | Glaciology Laboratory, Centro de Estudios Científicos (CL) |
| CGGBAS: | Commission for Geodesy and Glaciology, Bavarian Academy of Sciences (DE) |
| CGI: | Comitato Glaciologico Italiano (IT) |
| CGI-Torino: | Comitato Glaciologico Italiano Torino (IT) |
| CNRS TheMA: | Laboratoire ThéMA, CNRS & Université de Franche-Comté et de Bourgogne (FR) |
| CNRS: | Centre national de la recherche scientifique (FR) |
| CNSAS: | Corpo Nazionale Soccorso Alpino e Speleologico (IT) |
| DES/UU: | Department of Earth Sciences, Uppsala University (SE) |
| DES: | Department of Earth Sciences, University of Bergen (NO) |
| DESA: | Department of Earth Science, Aarhus University (DK) |
| DGA: | Dirección General de Aguas, Ministerio de Obras Públicas, Gobierno de Chile (CL) |
| DGUF: | Department of Geosciences, University of Fribourg (CH) |
| DGUO-NZ: | Department of Geography/Te Ihowhenua, University of Otago (NZ) |
| DHAS: | Department of Hydrospheric-Athmospheric Sciences, Graduate School of Environmental Studies, Nagoya University (JP) |
| DRH-TDF/ CADIC: | Dirección de Recursos Hídricos Provincia de Tierra del Fuego, Centro Austral de Investigaciones Cientificas (AR) |
| FES NCU: | Faculty of Earth Sciences, Nicolaus Copernicus University in Toruń (PL) |
| FGUA: | Federal Government of Upper Austria (AT) |
| GEM-CB: | Greenland Ecosystem Monitoring - Climate Basis (GL) |
| GEUS Geology: | Department of Quaternary Geology, The Geological Survey of Denmark and Greenland (DK) |
| GFZ Potsdam: | Helmholtz-Zentrum Potsdam, Deutsches GeoForschungsZentrum (DE) |
| GIUZ: | Department of Geography, University of Zurich (CH) |
| GLACIOLAB: | GLACIOLAB (FR) |
| GL-Forest: | Forestry Service of Canton Glarus (CH) |
| GR-Forest: | Forestry Service of Canton Graubünden (CH) |
| GSC: | Natural Resources Canada, Geological Survey of Canada (CA) |
| HD/LT: | Hydrologischer Dienst, Land Tirol (AT) |
| HD/SB: | Hydrografischer Dienst, Land Salzburg (AT) |
| I75SA: | Ingeniería 75, S.A. (ES) |

| Abbreviation | Sponsoring Agency |
| --- | --- |
| IAA-DG: | Departamento de Glaciología, Instituto Antártico Argentino (AR) |
| IAA-UNC: | Instituto Antártico Argentino, Universidad Nacional de Córdoba (AR) |
| IANIGLA: | Instituto Argentino de Nivología, Glaciología y Ciencias Ambientales, CCT CONICET Mendoza (AR) |
| ICIMOD: | International Centre for Integrated Mountain Development (NP) |
| IDEAM: | Instituto de Hidrología, Meteorología y Estudios Ambientales, Subdirección de Ecosistemas e Información Ambiental (CO) |
| IES: | Institute of Earth Sciences, University of Iceland (IS) |
| IGE: | Institut des Géosciences de l'Environnement (IGE) |
| IGNANKaz: | Institute of Geography, National Academy of Sciences of the Kazakh Republic (KZ) |
| IGRAN: | Institute of Geography of the Siberian Branch, Russian Academy of Science (RU) |
| IGS-IMO: | Iceland Glaciological Society, Icelandic Meteorological Office (IS) |
| IMO: | Icelandic Meteorological Office (IS) |
| INAMHI: | Programa Glaciares Ecuador, Instituto Nacional de Meteorología e Hidrología (EC) |
| INK: | Department of Physical Geography and Quaternary Geology, University of Stockholm (SE) |
| IRD: | Institut de Recherche pour le Développement (FR) |
| IRSTEA: | Institut national de recherche en sciences et technologies pour l'environnement et l'agricul-ture (FR) |
| ITAC: | Italian Alpine Club (IT) |
| JIRP: | Juneau Icefield Research Project, Nicols College (US) |
| JNU/SES: | School of Environmental Sciences, Jawaharlal Nehru University (IN) |
| MeteoTrentino: | Meteo Trentino (IT) |
| MGU: | Geographical Faculty, Moscow State University (RU) |
| NCGCP: | North Cascade Glacier Climate Project, Nichols College (US) |
| NCNP: | Sandalee Marblemount Ranger Station, North Cascades National Park (US) |
| NGM: | Norwegian Glacier Museum (NO) |
| NHT: | Nationalpark Hohe Tauern (AT) |
| NIWA: | National Institute of Water and Atmospheric Research (NZ), Dunedin |
| NMC: | Norwegian Mountain Center (NO) |
| NPC: | National Power Company (IS) |
| NPI: | Norwegian Polar Institute, Polar Environmental Centre (NO) |
| NVE: | Norwegian Water Resources and Energy Directorate (NO) |
| ÖAV: | Österreichischer Alpenverein (AT) |
| OW-Forest: | Forestry Service Canton Obwalden (CH) |
| PAS: | Institute of Geophysics, Polish Academy of Sciences (PL) |
| PJPS: | Pope John Paul II State School of Higher Education in Biala Podlaska (PL) |
| SAT: | Comitato Glaciologico Trentino, Società degli Alpinisti Tridentini (IT) |
| SGAA: | Servizio Glaciologico Alto Adige (IT) |
| SG-Forest: | Forestry Service of Canton St. Gallen (CH) |
| SGL: | Servizio Glaciologico Lombardo (IT) |
| SISO: | Siso Energy AS (NO) |
| SMI: | Società Meteorologica Italiana (IT) |
| SPESA: | Servicios y Proyectos del Ebro SA (ES) |
| SRNSF: | Shota Rustaveli National Science Foundation, Tbilisi, Georgia (GE) |

| Abbreviation | Sponsoring Agency |
|---|---|
| STAK: | Statkraft AS (NO) |
| SUNK: | Sunnhordland Kraftlag AS (NO) |
| TI-Forest: | Forestry Service of Canton Ticino (CH) |
| TshMRC: | The Tien-Shan High Mountain Research Center Power, Institute of Water Problems and Hydro Power (KG) |
| TU/G: | Department of Geography, Trent University (CA) |
| UCant/DG: | Dept. Of Geography, University of Canterbury (NZ) |
| UGRH/ANA: | Unidad de Glaciología y Recursos Hídricos, Autoridad National del Agua (PE) |
| UG/CNRS: | CNRS, IRD, Grenoble-INP, IGE, Université Grenoble Alpes (FR) |
| UI/HA: | Ufficio Idrografico / Hydrographisches Amt, Provincia autonoma di Bolzano - Alto Adige / Autonome Provinz Bozen - Südtirol (IT) |
| UMSA: | Instituto de Investigaciones Geológicas y del Medio Ambiente, Universidad Mayor de San Andres (BO) |
| UNTDF: | Universidad Nacional de Tierra del Fuego (AR) |
| Uottawa/DG: | Department of Geography, University of Ottawa (CA) |
| UP/TeSAF: | Dept. of Land, Environment, Agriculture and Forestry, University of Padua (IT) |
| UPM/ETSIT: | ETSI Telecomunicación, Universidad Politécnica de Madrid (ES) |
| UPV: | Departamento de Ingeniería del Terreno, Universidad Politécnica de Valencia (ES) |
| UR-Forest: | Forestry Service of Canton Uri (CH) |
| US/FES: | Faculty of Earth Sciences, University of Silesia (PL) |
| USGS: | U.S. Geological Survey (US) |
| USGS-F: | Alaska Science Center, Glaciology, U.S. Geological Survey (US) |
| USGS-GNP: | United States Geological Survey Glacier National Park (US) |
| VAW: | Laboratory of Hydraulics, Hydrology and Glaciology, ETH Zurich (CH) |
| VD-Forest: | Forestry Service of Canton Vaud (CH) |
| VS-Forest: | Forestry Service of Canton Valais (CH) |
| WSL: | Eidg. Forschungsanstalt für Wald, Schnee und Landschaft (CH) |
| ZAMG: | Zentralanstalt für Meteorologie und Geodynamik (AT) |

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## APPENDIX

The Appendix includes the data reported for the observation periods covered by the current Bulletin (i.e. 2013/14 and 2014/15).

The Appendix starts with explanatory notes on the completion of the Excel-based data submission forms, as sent out with the corresponding calls-for-data:

## NOTES ON THE COMPLETION OF THE DATA SHEETS

- Notes on the completion of the data sheet “A  GENERAL INFORMATION”
- Notes on the completion of the data sheet “AA  GLACIER ID LOOKUP TABLE”
- Notes on the completion of the data sheet “B  STATE”
- Notes on the completion of the data sheet “C  FRONT VARIATION”
- Notes on the completion of the data sheet “D  CHANGE”
- Notes on the completion of the data sheet “E  MASS BALANCE OVERVIEW”
- Notes on the completion of the data sheet “EE  MASS BALANCE”
- Notes on the completion of the data sheet “EEE  MASS BALANCE POINT”
- Notes on the completion of the data sheet “F  SPECIAL EVENT”

The notes on the completion of the data sheets A–F describe all attributes compiled during the call-for-data, whereas the Tables 1 to 6 in this bulletin provide a summary of the collected data. Full details, including all attributes, are stored in, and available from, the *Fluctuations of Glaciers* database.

The WGMS website provides access to information on available data, to procedures for data order and data submission as well as to the addresses of National Correspondents. Website and database can be accessed via:

http://www.wgms.ch

**A - GENERAL INFORMATION**

NOTES ON THE COMPLETION OF THE DATA SHEET

This data sheet should be completed in cases of new glacier entries related to available fluctuation data[#]; for glaciers already existing in the FoG database, POLITICAL UNIT (A1), GLACIER NAME (A2) AND WGMS ID (A3) are to be used in data sheets B to F.

A1 - POLITCAL UNIT [alphabetic code; 2 digits]
Name of country or territory in which glacier is located (for 2 digit abbreviations, see ISO 3166 country code, available at www.iso.org).
Political unit is part of WGI key (positions 1 and 2).
Political unit is part of PSFG key (positions 1 and 2).

A2 - GLACIER NAME [alpha-numeric code; up to 60 digits]
The name of the glacier, written in CAPITAL letters.
Format: max. 60 column positions.
If necessary, the name can be abbreviated; in this case, please give the full name under "A16 - REMARKS".

A3 - WGMS ID [numeric code; 5 digits]
5 digit key identifying glaciers in the Fluctuations of Glaciers (FoG) database of the WGMS.
For new glacier entries, this key is assigned by the WGMS.

A4 - GEOGRAPHICAL LOCATION (GENERAL) [alpha-numeric code; up to 30 digits]
Refers to a large geographical entity (e.g. a large mountain range or large politcal subdivision) which gives a rough idea of the location of the glacier, without requiring the use of a map or an atlas. Examples: Western Alps, Southern Norway, Polar Ural, Tien Shan, Himalayas.

A5 - GEOGRAPHICAL LOCATION (SPECIFIC) [alpha-numeric code; up to 30 digits]
Refers to a more specific geographical location (e.g. mountain group, drainage basin), which can be found easily on a small scale map of the country concerned. Examples: Rhone Basin, Jotunheimen.

A6 - LATITUDE [decimal degree North or South; up to 6 digits]
The geographical coordinates should refer to a point in the upper ablation area; for small glaciers, this point may lie outside the glacier.
Latitude should be given in decimal degrees, positive values indicating the northern hemisphere and negative values indicating the southern hemisphere.
Latitude should be given to a maximum precision of 4 decimal places.

A7 - LONGITUDE [decimal degree East or West; up to 7 digits]
The geographical coordinates should refer to a point in the upper ablation area; for small glaciers, this point may lie outside the glacier.
Longitude should be given in decimal degrees, positive values indicating east of zero meridian and negative values indicating west of zero meridian.
Longitude should be given to a maximum precision of 4 decimal places.

A8 - CODE [numeric code; 3 digits]
Classification should be given in coded form, according to "Perennial Ice and Snow Masses" (Technical papers in hydrology, UNESCO/IAHS, 1970). The following information should be given:

- Primary Classification — Digit 1
- Form — Digit 2
- Frontal Characteristics — Digit 3

[#] For new glacier entries, you may check the World Glacier Inventory (WGI) or the GLIMS database for existing information:
+ WGI: http://nsidc.org/data/glacier_inventory/index.html
+ GLIMS: http://www.glims.org

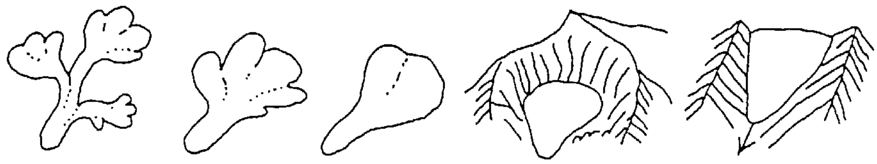
A8a - PRIMARY CLASSIFICATION - Digit 1

| | | |
|---|---|---|
| 0 | Miscellaneous | Any type not listed below (please explain) |
| 1 | Continental ice sheet | Inundates areas of continental size |
| 2 | Icefield | Ice masses of sheet or blanket type of a thickness insufficient to obscure the subsurface topography |
| 3 | Ice cap | Dome-shaped ice masses with radial flow |
| 4 | Outlet glacier | Drains an ice sheet, icefield or ice cap, usually of valley glacier form; the catchment area may not be easily defined |
| 5 | Valley glacier | Flows down a valley; the catchment area is well defined |
| 6 | Mountain glacier | Cirque, niche or crater type, hanging glacier; includes ice aprons and groups of small units |
| 7 | Glacieret and snowfield | Small ice masses of indefinite shape in hollows, river beds and on protected slopes, which has developed from snow drifting, avalanhcing, and/or particularly heavy accumulation in certain years; usually no marked flow pattern is visible; in existence for at least two consecutive years. |
| 8 | Ice shelf | Floating ice sheet of considerable thickness attached to a coast nourished by a glacier(s); snow accumulation on its surface or bottom freezing |
| 9 | Rock glacier | Lava-stream-like debris mass containing ice in several possible forms and moving slowly downslope |

Note: The parent glacier concept (cf. A15 - PARENT GLACIER) can be used for the classification of complex glacier systems (e.g., ice cap or icefield with outlet glaciers) or of disintegrating/coalescing glaciers over time.

A8b - FORM – Digit 2

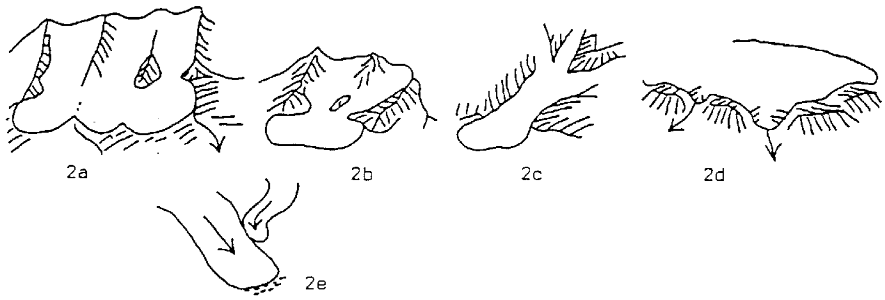
| | | |
|---|---|---|
| 0 | Miscellaneous | Any type not listed below (please explain) |
| 1 | Compound basins | Two or more individual valley glaciers issuing from tributary valleys and coalescing (Fig. 1a) |
| 2 | Compound basin | Two or more individual accumulation basins feeding one glacier system (Fig. 1b) |
| 3 | Simple basin | Single accumulation area (Fig. 1c) |
| 4 | Cirque | Occupies a separate, rounded , steep-walled recess which it has formed on a mountain side (Fig. 1d) |
| 5 | Niche | Small glacier in a V-shaped gulley or depression on a mountain slope (Fig. 1e); generally more common than genetically further-developed cirque glacier. |
| 6 | Crater | Occurring in extinct or dormant volcanic craters |
| 7 | Ice apron | Irregular, usually thin ice mass which adheres to mountain slope or ridge |
| 8 | Group | A number of similar ice masses in close proximity and too small to be assessed individually |
| 9 | Remnant | Inactive, usually small ice masses left by a receding glacier |



1a 1b 1c 1d 1e

A8c - FRONTAL CHARACTERISTICS – Digit 3

| | | |
|---|---|---|
| 0 | Miscellaneous | Any type not listed below (please explain) |
| 1 | Piedmont | Icefield formed on a lowland area by lateral expansion of one or coalescence of several glaciers (Fig. 2a, 2b) |
| 2 | Expanded foot | Lobe or fan formed where the lower portion of the glacier leaves the confining wall of a valley amd extends on to a less restricted and more level surface (Fig. 2c) |
| 3 | Lobed | Part of an ice sheet or ice cap, disqualified as an outlet glacier (Fig. 2d) |
| 4 | Calving | Terminus of a glacier sufficiently extending into sea or lake water to produce icebergs; includes- for this inventory- dry land ice calving which would be recognisable from the "lowest glacier elevation" |
| 5 | Coalescing, non-contributing (Fig. 2e) | |
| 6 | Irregular, mainly clean ice (mountain or valley glaciers) | |
| 7 | Irregular, debris-covered (mountain or valley glaciers) | |
| 8 | Single lobe, mainly clean ice (mountain or valley glaciers) | |
| 9 | Single lobe, debris-covered (mountain or valley glaciers) | |




A9 - EXPOSITION OF ACCUMULATION AREA [cardinal point; up to 2 digits]
The main orientation of the accumulation area using the 8 cardinal points (8-point compass).

A10 - EXPOSITION OF ABLATION AREA [cardinal point; up to 2 digits]
The main orientation of the accumulation area using the 8 cardinal points (8-point compass).

A11 - PARENT GLACIER [numeric code; 5 digits]
Links separated glacier parts with (former) parent glacier, using WGMS ID (see “A3 - WGMS ID”).

A12 - REMARKS [alpha-numeric]
Any important information or comments not included above may be given here. Comments about the uncertainty of the numerical data may be made, including quantative comments. Only significant decimals should be given.

A13 - GLACIER REGION [alphabetic code; 3 digits]
3-digit code assigning each glacier to one of 19 first-order regions. For new glacier entries, this key is assigned by the WGMS.

A14 - GLACIER SUBREGION [alpha-numeric code; 6 digits]
6-digit code assigning each glacier to one of 90 second-order regions. For new glacier entries, this key is assigned by the WGMS.

**AA - GLACIER ID LOOKUP TABLE**

NOTES ON THE COMPLETION OF THE DATA SHEET

This data sheet is completed by the WGMS and aims at linking the WGMS_ID as used in the Fluctuations of Glaciers database to glacier identifiers in other databases, such as to the PSFG_ID, the WGI_ID, the GLIMS_ID, and the RGI_ID.

AA1 - POLITCAL UNIT [alphabetic code; 2 digits]
Name of country or territory in which glacier is located (cf. “A1 - POLITICAL UNIT”).

AA2 - GLACIER NAME [alpha-numeric code; up to 30 digits]
The name of the glacier, written in CAPITAL letters. Use the same spelling as in
“A2 - GLACIER NAME”.

AA3 - WGMS ID [numeric code; 5 digits]
5 digit key identifying glaciers in the FoG database of the WGMS (cf. “A3 – WGMS ID”). This key is assigned by the WGMS.

AA4 - PSFG ID [alpha-numeric code; 7 digits]
7 digit key identifying glaciers in the Fluctuations of Glaciers publication series. The key was introduced by the “Permanent Service for the Fluctuations of Glaciers” (PSFG), one of the predecessor services of the WGMS. This key is assigned by the National Correspondents according to existing national glacier inventories or similar glacier numerations.

The PSFG ID consists of 7 digits, starting with 2-character political unit followed by 4 or, as an exception, 5 alpha-numerical digits. Empty spaces are filled with the digit 0.

AA5 - WGI ID [alpha-numeric code; 12 digits]
12 digit key identifying glaciers in the World Glacier Inventory. The key is assigned to the glaciers as defined by Müller (1978) combining the five following elements:
+ 2-character political unit
+ 1-digit continent code
+ 4-character drainage code
+ 2-digit free position code
+ 3-digit local glacier code

Empty spaces are filled with the digit 0. This key is assigned by WGMS and NSIDC. More information is found in Müller (1978) and on the WGI webpage: http://nsidc.org/data/docs/noaa/g01130_glacier_inventory/

AA6 - GLIMS ID [alpha-numeric code; 14 digits]
14 digit key identifying glaciers in the GLIMS database. The identifier has the format GxxxxxxEyyyyyΘ, where xxxxxx is longitude east of the Greenwich meridian in millidegrees, yyyyy is north or south latitude in millidegrees, and Θ is N or S depending on the hemisphere. This key is assigned by NSIDC. More information is found on the GLIMS webpage: http://www.glims.org/MapsAndDocs/

AA7 - RGI ID [alpha-numeric code; 14 digits]
14 digit key identifying glaciers in the RGI database. The identifier has the format RGIvv-rr.nnnnn, where vv is the version number, rr is the first-order region number and nnnnn is an arbitrary identifying code that is unique with in the region. These codes were assigned as sequential positive integers at the first-order (not second-order) level, but they should not be assumed to be sequential numbers, or even to be numbers. In general the identifying code of each glacier, nnnnn, should not be expected to be the same in different RGI versions. This key is assigned by the RGI Working Group. More information is found on the RGI webpage: http://www.glims.org/RGI/index.html

AA8 - REMARKS [alpha-numeric]
Any important information or comments not included above may be given here

**B - STATE**

NOTES ON THE COMPLETION OF THE DATA SHEET

This data sheet should be completed in order to report length, area and elevation range of glaciers with available fluctuation data.

B1 - POLITCAL UNIT [alphabetic code; 2 digits]
Name of country or territory in which glacier is located (cf. “A1 - POLITICAL UNIT”).

B2 - GLACIER NAME [alpha-numeric code; up to 30 digits]
The name of the glacier, written in CAPITAL letters. Use the same spelling as in
“A2 - GLACIER NAME”.

B3 - WGMS ID [numeric code; 5 digits]
5 digit key identifying glaciers in the FoG database of the WGMS (cf. “A3 – WGMS ID”).

B4 - YEAR [year]
Year of present survey.

B5 - MAXIMUM ELEVATION OF GLACIER [m a.s.l.]
Altitude of the highest point of the glacier.

B6 - MEDIAN ELEVATION OF GLACIER [m a.s.l.]
Altitude of the contour line which halves the area of the glacier.

B7 - MINIMUM ELEVATION OF GLACIER [m a.s.l.]
Altitude of the lowest point of the glacier.

B8 - ELEVATION UNCERTAINTY [m]
Estimated random uncertainty of reported elevations.

B9 - LENGTH [km]
Maximum length of glacier measured along the most important flowline (in horizontal projection).

B10 - LENGTH UNCERTAINTY [km]
Estimated random uncertainty of reported length.

B11 - AREA [km2]
Glacier area (in horizontal projection) in the survey YEAR.

B12 - AREA UNCERTAINTY [km2]
Estimated random uncertainty of reported area.

B13 - SURVEY DATE [numeric; 8 digits]
Date of present survey.
For each survey, please indicate the complete date in numeric format (YYYYMMDD).
Missing data: For unknown day or month, put “99” in the corresponding position(s) and make a note under “B16 - REMARKS”

B14 - SURVEY PLATFORM & METHOD [alphabetic code; 2 digits]
The survey platform and method should be given using the following alphabetic code:

| Platform (first digit, lower case) | Method (second digit, upper case) |
|---|---|
| t: terrestrial | R: reconstructed (e.g., from landforms) |
| a: airborne | M: derived from maps |
| s: spaceborne | G: ground survey (e.g., GPS, tachymetry, tape) |
| c: combined | P: photogrammetry |
| x: unknown | L: laser altimetry or scanning |
| | Z: radar altimetry or interferometry |
| | C: combined (explain under B16 REMARKS) |
| | X: other (explain under B16 REMARKS) |

B15 - INVESTIGATOR [alpha-numeric; 255 digits]
Name(s) of the person(s) or agency doing the field work and/or the name(s) of the person(s) or agency processing the data.

B16 - SPONSORING AGENCY [alpha-numeric; 255 digits]
Full name, abbreviation and address of the agency where the data are held.

B17 - REFERENCE [alpha-numeric; 255 digits]
Reference to publication related to above data and methods.
Use short format such as: Author et al. (YYYY); Journal, V(I), X-XX p.

B18 - REMARKS [alpha-numeric]
Any important information or comments not included above may be given here as well as short references to related publications. Comments about the uncertainty of the numerical data may be made, including quantative comments. Only significant decimals should be given.

**C - FRONT VARIATION**

NOTES ON THE COMPLETION OF THE DATA SHEET

This data sheet should be completed in order to report glacier length change records mainly from in-situ and remote sensing measurements.*

C1 - POLITCAL UNIT [alphabetic code; 2 digits]
Name of country or territory in which glacier is located (cf. "A1 - POLITICAL UNIT").

C2 - GLACIER NAME [alpha-numeric code; up to 60 digits]
The name of the glacier, written in CAPITAL letters. Use the same spelling as in "A2 - GLACIER NAME".

C3 - WGMS ID [numeric code; 5 digits]
5 digit key identifying glaciers in the FoG database of the WGMS (cf. "A3 – WGMS ID").

C4 - YEAR [year]
Year of present survey.

C5 - FRONT VARIATION [m]
Variation in the position of the glacier front (in horizontal projection) between the previous and present survey.

Positive values: advance
Negative values: retreat

C6 - FRONT VARIATION UNCERTAINTY [m]
Estimated random uncertainty of reported front variation.

C7 - QUALITATIVE VARIATION [alphabetic code; 2 digits]
If no quantitative data are available for a particular year, but qualitative data are available, then the front variation should be denoted using the following symbols. They should be positioned in the far left of the data field.

+X : Glacier in advance
-X : Glacier in retreat
ST : Glacier stationary
SN : Glacier front covered by snow making survey impossible.

Qualitative variations will be understood with reference to the previous survey data, whether this data is qualitative or quantitative.

C8 - SURVEY DATE [numeric; 8 digits]
Date of present survey.
For each survey, please indicate the complete date in numeric format (YYYYMMDD).
Missing data: For unknown day or month, put "99" in the corresponding position(s) and make a note under "C14 - REMARKS"

C9 - SURVEY PLATFORM & METHOD [alphabetic code; 2 digits]
The survey platform and method should be given using the following alphabetic code:

| Platform (first digit, lower case) | Method (second digit, upper case) |
|---|---|
| t: terrestrial | R: reconstructed (e.g., historical sources, geomorphological evidence, dating of moraines) |
| a: airborne | M: derived from maps |
| s: spaceborne | G: ground survey (e.g., GPS, tachymetry, tape) |
| c: combined | P: photogrammetry |
| x: unknown | L: laser altimetry or scanning |
| | Z: radar altimetry or interferometry |
| | C: combined (explain under C14 REMARKS) |
| | X: other (explain under C14 REMARKS) |

* For the submission of front variation series mainly based on reconstruction methods (e.g., paintings, drawings, written sources, photography, maps, and moraine dating), please contact the WGMS staff.

C10 - REFERENCE DATE [numeric, 8 digits]
Date of previous survey
For each survey, please indicate the complete date in numeric format (YYYYMMDD).
Missing data: For unknown day or month, put “99” in the corresponding position(s) and make a note under “C14 - REMARKS”

C11 - INVESTIGATOR [alpha-numeric; 255 digits]
Name(s) of the person(s) or agency doing the fieldwork and/or the name(s) of the person(s) or agency processing the data.

C12 - SPONSORING AGENCY [alpha-numeric; 255 digits]
Full name, abbreviation and address of the agency where the data are held.

C13 - REFERENCE [alpha-numeric; 255 digits]
Reference to publication related to above data and methods.
Use short format such as: Author et al. (YYYY); Journal, V(I), X-XX p.

C14 - REMARKS [alpha-numeric]
Any important information or comments not included above may be given here as well as short references to related publications. Comments about the uncertainty of the numerical data may be made, including quantative comments. Only significant decimals should be given.

**D - CHANGE**

NOTES ON THE COMPLETION OF THE DATA SHEET

This data sheet should be completed in order to report changes in thickness, area and volume from geodetic surveys and/or area data of glaciers with available fluctuation data.

D1 - POLITCAL UNIT [alphabetic code; 2 digits]
Name of country or territory in which glacier is located (cf. “A1 - POLITICAL UNIT”).

D2 - GLACIER NAME [alpha-numeric code; up to 60 digits]
The name of the glacier, written in CAPITAL letters. Use the same spelling as in
“A2 - GLACIER NAME”.

D3 - WGMS ID [numeric code; 5 digits]
5 digit key identifying glaciers in the FoG database of the WGMS (cf. “A3 – WGMS ID”).

D4 - YEAR [year]
Year of present survey.

D5 - LOWER BOUNDARY [m a.s.l.]
Lower boundary of altitude interval.
If refers to entire glacier, then lower bound = 9999.

D6 - UPPER BOUNDARY [m a.s.l.]
Upper boundary of altitude interval
If refers to entire glacier, then upper bound = 9999.

D7 - AREA SURVEY YEAR[km2]
Glacier area of each altitude interval (in horizontal projection) in the survey YEAR.

D8 - AREA CHANGE [1000 m2]
Area change for each altitude interval.

D9 - AREA CHANGE UNCERTAINTY [1000 m2]
Estimated random uncertainty of reported area change.

D10 - THICKNESS CHANGE [mm]
Specific ice thickness change for each altitude interval.

D11 - THICKNESS CHANGE UNCERTAINTY [mm]
Estimated random uncertainty of reported thickness change.

D12 - VOLUME CHANGE [1000 m3]
Ice volume change for each altitude interval.

D13 - VOLUME CHANGE UNCERTAINTY [1000 m3]
Estimated random uncertainty of reported volume change.

D14 - SURVEY DATE [numeric; 8 digits]
Date of present survey.
For each survey, please indicate the complete date in numeric format (YYYYMMDD).
Missing data: For unknown day or month, put “99” in the corresponding position(s) and make a note under “D21 - REMARKS”

D15 - SURVEY DATE PLATFORM & METHOD [alphabetic code; 2 digits]
The survey platform and method applied at the survey date should be given using the following alphabetic code:

| Platform (first digit, lower case) | Method (second digit, upper case) |
|---|---|
| t: terrestrial | R: reconstructed (e.g., from landforms) |
| a: airborne | M: derived from maps |
| s: spaceborne | G: ground survey (e.g., GPS, tachymetry, tape) |
| c: combined | P: photogrammetry |
| x: unknown | L: laser altimetry or scanning |
| | Z: radar altimetry or interferometry |
| | C: combined (explain under D21 REMARKS) |
| | X: other (explain under D21 REMARKS) |

D16 - REFERENCE DATE [numeric; 8 digits]
Date of previous survey.
For each survey, please indicate the complete date in numeric format (YYYYMMDD).
Missing data: For unknown day or month, put "99" in the corresponding position(s) and make a note under "D21 - REMARKS"

D17 - REFERENCE DATE PLATFORM & METHOD [alphabetic code; 2 digits]
The survey platform and method applied at the reference date should be given using the alphabetic code given under D15.

D18 - INVESTIGATOR [alpha-numeric; 255 digits]
Name(s) of the person(s) or agency doing the fieldwork and/or the name(s) of the person(s) or agency processing the data.

D19 - SPONSORING AGENCY [alpha-numeric; 255 digits]
Full name, abbreviation and address of the agency where the data are held.

D20 - REFERENCE [alpha-numeric; 255 digits]
Reference to publication related to above data and methods.
Use short format such as: Author et al. (YYYY); Journal, V(I), X-XX p.

D21 - REMARKS [alpha-numeric]
Any important information or comments not included above may be given here as well as short references to related publications. Comments about the uncertainty of the numerical data may be made, including quantative comments. Only significant decimals should be given.

**E - MASS BALANCE OVERVIEW**

NOTES ON THE COMPLETION OF THE DATA SHEET

This data sheet should be completed in order to report glacier mass balance data measured by the direct glaciological method.

E1 - POLITCAL UNIT [alphabetic code; 2 digits]
Name of country or territory in which glacier is located (cf. “A1 - POLITICAL UNIT”).

E2 - GLACIER NAME [alpha-numeric code; up to 60 digits]
The name of the glacier, written in CAPITAL letters. Use the same spelling as in
“A2 - GLACIER NAME”.

E3 - WGMS ID [numeric code; 5 digits]
5 digit key identifying glaciers in the FoG database of the WGMS (cf. “A3 – WGMS ID”).

E4 - YEAR [year]
Year of present survey.

E5 - TIME MEASUREMENT SYSTEM [alphabetic code; 3 digits]
The time measurement system should be given using the following 3 digit alphabetic code:

FLO = floating-date system
FXD = fixed-data system
STR = stratigraphic system
COM = combined system; usually of STR and FXD according Mayo et al. (1972)
OTH = other

Please give floating survey dates in E6-E8 for all time systems and explain methodological details (e.g., fixed calendar dates and correction methods) under “E23 - REMARKS”.

Note that FLO was newly introduced in 2011 in order to reduce earlier ambiguities. Before that, mass balance results based on the floating-date system were (at least theoretically) reported as OTH. For definitions of the above time measurement systems and more details see Cogley et al. (2011).

E6 - BEGINNING OF SURVEY PERIOD [numeric; 8 digits]
Date on which survey period began.
For each survey, please indicate the complete date in numeric format (YYYYMMDD).
Missing data: For unknown day or month, put “99” in the corresponding position(s) and make a note under “E23 - REMARKS”

E7 - END OF WINTER SEASON [numeric; 8 digits]
Date of end of winter season.
If known, please indicate the complete date in numeric format (YYYYMMDD).
Missing data: For unknown day or month, put “99” in the corresponding position(s) and make a note under “E23 - REMARKS”

E8 - END OF SURVEY PERIOD [numeric; 8 digits]
Date on which survey period ended.
For each survey, please indicate the complete date in numeric format (YYYYMMDD).
Missing data: For unknown day or month, put “99” in the corresponding position(s) and make a note under “E23 - REMARKS”

E9a - ELA PREFIX [alphabetic code, 1 digit]
Prefix denoting if the equilibrium line was below (“<”) or above (“>”) the minimum or maximum elevation of the glacier, respectively. Leave this field empty if the mean altitude of the equilibrium line was within the glacier elevation range.

E9b - EQUILIBRIUM LINE ALTITUDE [m a.s.l.]
Mean alititude (averaged over the glacier) of the end-of-mass-balance-year equilibrium line (ELA). Give glacier minimum or maximum elevation if the ELA was below or above the elevation range of the glacier, respectively.

E10 - ELA UNCERTAINTY [m]
Estimated random uncertainty of reported ELA.

E11 - MINIMUM NUMBER OF MEAS. SITES USED IN ACCUMULATION AREA [numeric]
The minimum number of different sites at which measurements were taken in the accumulation area. Repeat measurements may be taken for one site, in order to obtain an average value for that site, but the site is still only counted once. Minimum and maximum values can be used to indicate different numbers of measurements carried out for (i) winter and annual balance surveys or (ii) for different accumulation measurement types (e.g., snow pits versus snow probings).

E12 - MAXIMUM NUMBER OF MEAS. SITES USED IN ACCUMULATION AREA [numeric]
The maximum number of different sites at which measurements were taken in the accumulation area. Repeat measurements may be taken for one site, in order to obtain an average value for that site, but the site is still only counted once. Minimum and maximum values can be used to indicate different numbers of measurements carried out for (i) winter and annual balance surveys or (ii) for different accumulation measurement types (e.g., snow pits versus snow probings).

E13 - MINIMUM NUMBER OF MEAS. SITES USED IN ABLATION AREA [numeric]
The minimum number of different sites at which measurements were taken in the ablation area. Repeat measurements may be taken for one site, in order to obtain an average value for that site, but the site is still only counted once. Minimum and maximum values can be used to indicate different numbers of measurements carried out for (i) winter and annual balance surveys.

E14 - MAXIMUM NUMBER OF MEAS. SITES USED IN ABLATION AREA [numeric]
The maximum number of different sites at which measurements were taken in the ablation area. Repeat measurements may be taken for one site, in order to obtain an average value for that site, but the site is still only counted once. Minimum and maximum values can be used to indicate different numbers of measurements carried out for (i) winter and annual balance surveys.

E15 - ACCUMULATION AREA [km2]
Accumulation area in horizontal projection.

E16 - ACCUMULATION AREA UNCERTAINTY [km2]
Estimated random uncertainty of reported accumulation area.

E17 - ABLATION AREA [km2]
Ablation area in horizontal projection.

E18 - ABLATION AREA UNCERTAINTY [km2]
Estimated random uncertainty of reported ablation area.

E19 - ACCUMULATION AREA RATIO [%]
Accumulation area divided by the total area, multiplied by 100. Given in percent.

E20 - INVESTIGATOR [alpha-numeric; 255 digits]
Name(s) of the person(s) or agency doing the fieldwork and/or the name(s) of the person(s) or agency processing the data.

E21 - SPONSORING AGENCY [alpha-numeric; 255 digits]
Full name, abbreviation and address of the agency where the data are held.

E22 - REFERENCE [alpha-numeric; 255 digits]
Reference to publication related to above data and methods.
Use short format such as: Author et al. (YYYY); Journal, V(I), X-XX p.

E23 - REMARKS [alpha-numeric]
Any important information or comments not included above may be given here as well as short references to related publications. Comments about the uncertainty of the numerical data may be made, including quantative comments. Only significant decimals should be given.

**EE - MASS BALANCE**

NOTES ON THE COMPLETION OF THE DATA SHEET

This data sheet should be completed in order to report glacier mass balance data with values related to the data given in data sheet E.

EE1 - POLITCAL UNIT [alphabetic code; 2 digits]
Name of country or territory in which glacier is located (cf. “A1 - POLITICAL UNIT”).

EE2 - GLACIER NAME [alpha-numeric code; up to 60 digits]
The name of the glacier, written in CAPITAL letters. Use the same spelling as in
“A2 - GLACIER NAME”.

EE3 - WGMS ID [numeric code; 5 digits]
5 digit key identifying glaciers in the FoG database of the WGMS (cf. “A3 – WGMS ID”).

EE4 - YEAR [year]
Year of present survey.

EE5 - LOWER BOUNDARY OF ALTITUDE INTERVAL [m a.s.l.]
If refers to entire glacier, then lower bound = 9999.

EE6 - UPPER BOUNDARY OF ALTITUDE INTERVAL [m a.s.l.]
If refers to entire glacier, then lower bound = 9999.

EE7 - ALTITUDE INTERVAL AREA [km2]
Area of each altitude interval (in horizontal projection).

EE8 - SPECIFIC WINTER BALANCE [mm w.e.]
Specific means the total value divided by the total glacier area under investigation.
Specific winter balance equals the net winter balance divided by the total area of the glacier.

EE9 - SPECIFIC WINTER BALANCE UNCERTAINTY [mm w.e.]
Estimated random uncertainty of reported winter balance.

EE10 - SPECIFIC SUMMER BALANCE [mm w.e.]
Specific means the total value divided by the total glacier area, in this case, it is the net summer balance divided by the total area of the glacier.

EE11 - SPECIFIC SUMMER BALANCE UNCERTAINTY [mm w.e.]
Estimated random uncertainty of reported winter balance.

EE12 - SPECIFIC ANNUAL BALANCE [mm w.e.]
Annual mass balance of glacier divided by the area of the glacier.

EE13 - SPECIFIC ANNUAL BALANCE UNCERTAINTY [mm w.e.]
Estimated random uncertainty of reported annual balance.

EE14 - REMARKS [alpha-numeric]
Any important information or comments not included above may be given here. Comments about the uncertainty of the numerical data may be made, including quantitative comments. Only significant decimals should be given.

**EEE - MASS BALANCE POINT**

NOTES ON THE COMPLETION OF THE DATA SHEET

This data sheet should be completed in order to report point mass balance data. Values related to glacier-wide balances (cf. data sheet EE) need to be denoted in EEE13 BALANCE_CODE.

EEE1 - POLITCAL UNIT [alphabetic code; 2 digits]
Name of country or territory in which glacier is located (cf. "A1 - POLITICAL UNIT").

EEE2 - GLACIER NAME [alpha-numeric code; up to 60 digits]
The name of the glacier, written in CAPITAL letters. Use the same spelling as in "A2 - GLACIER NAME".

EEE3 - WGMS ID [numeric code; 5 digits]
5 digit key identifying glaciers in the FoG database of the WGMS (cf. "A3 – WGMS ID").

EEE4 - YEAR [year]
Year of present survey.

EEE5 - FROM DATE [numeric; 8 digits]
Date on which survey period began. Please indicate the complete date in numeric format YYYYMMDD. Missing data: For unknown day or month, put "99" in the corresponding position(s) and make a note under "E23 - REMARKS"

EEE6 - TO DATE [numeric; 8 digits]
Date on which survey period ended. Please indicate the complete date in numeric format YYYYMMDD. Note: the first four digits of TO DATE correspond to EEE4 YEAR. Missing data: For unknown day or month, put "99" in the corresponding position(s) and make a note under "E23 - REMARKS"

EEE7 - POINT ID [alpha-numeric; 4 digits]
4 digit key indentifying the stake or pit.

EEE8 - POINT LATITUDE [decimal degree North or South; up to 6 digits]
Latitude of stake or pit given in decimal degrees, positive values indicating the northern hemisphere and negative values indicating the southern hemisphere. Latitude should be given to a maximum precision of 4 decimal places.

EEE9 - POINT LONGITUDE [decimal degree East or West; up to 7 digits]
Longitude of stake or pit given in decimal degrees, positive values indicating east of zero meridian and negative values indicating west of zero meridian. Longitude should be given to a maximum precision of 4 decimal places.

EEE10 - POINT ELEVATION [m a.s.l.]
Elevation above sea level of stake or pit.

EEE11 – POINT BALANCE [mm w.e.]
Mass balance at this observation point between FROM DATE and TO DATE.

EEE12 – POINT BALANCE UNCERTAINTY [mm w.e.]
Estimated random uncertainty of reported point balance.

EEE13 – DENSITY [kg m-3]
Measured or assumed density used to convert the height readings (in mm) to point balances (in mm w.e.).

EEE14 – DENSITY UNCERTAINTY [kg m-3]
Estimated random uncertainty of reported density.

EEE15 - BALANCE CODE [alphabetic code; 2 digits]
Code used to denote point balances used for the calculation of glacier-wide balances:
BW = winter balance (cf. data sheet EE8)
BS = summer balance (cf. data sheet EE10)
BA = annual balance (cf. data sheet EE12)
IN = balance at index point not used for glacier-wide balance calculations

EEE16 - REMARKS [alpha-numeric]
Any important information or comments not included above, such as type of point location.

**F - SPECIAL EVENT**

NOTES ON COMPLETION OF THE DATA SHEET

This data sheet should be completed in cases of extraordinary events, especially concerning glacier hazards and dramatic changes in glaciers.

F1 - POLITCAL UNIT [alphabetic code; 2 digits]
Name of country or territory in which glacier is located (cf. “A1 - POLITICAL UNIT”).

F2 - GLACIER NAME [alpha-numeric code; up to 60 digits]
The name of the glacier, written in CAPITAL letters. Use the same spelling as in “A2 - GLACIER NAME”.

F3 - WGMS ID [numeric code; 5 digits]
5 digit key identifying glaciers in the FoG database of the WGMS (cf. “A3 – WGMS ID”).

F4 - EVENT DATE [numeric; 8 digits]
Date of event.
For each event, please indicate the complete date in numeric format (YYYYMMDD).
Missing data: For unknown day or month, put “99” in the corresponding position(s) and make a note under “F6 - EVENT DESCRIPTION”. For events lasting for several days, please indicate the date of the main event, and describe the sequence of the event under “F6 - EVENT DESCRIPTION”.

F5 - EVENT TYPE [binary code; 6 digits]
Indicate the involved event type(s) using 1 = event type involved and 0 = event type not involved for the following event types:

F5a - GLACIER SURGE
F5b - CALVING INSTABILITY
F5c - GLACIER FLOOD (including debris flow, mudflow)
F5d - ICE AVALANCHE
F5e - TECTONIC EVENT (earthquake, volcanic eruption)
F5f - OTHER

F6 - EVENT DESCRIPTION [alpha-numeric]
Please give quantitative information wherever possible, for example:
- Glacier surge: Date and location of onset, duration, flow or advance velocities, discharge anomalies and periodicity;
- Calving instability: Rate of retreat, iceberg discharge, ice flow velocity and water depth at calving front;
- Glacier flood (including debris flow, mudflow): Outburst volume, outburst mechanism, peak discharge, sediment load, sediment load, reach and propagation velocity of flood wave or front of debris flow / mudflow;
- Ice avalanche: Volume released, runout distance, overall slope (ratio of vertical drop height to horizontal travel distance) of avalanche path;
- Tectonic event: Volumes, runout distances and overall slopes (ratio of vertical drop height to horizontal travel distance) of rockslides on glacier surfaces, amount of geothermal melting in craters, etc.

F7 - DATA SOURCE [alpha-numeric]
Please indicate at least one reference or source which could help the reader to locate more detailed information, or give the name(s) of contact person(s) who would be able to supply additional information.

F8 - REMARKS [alpha-numeric]
Any important information or comments not included above may be given here. Comments about the uncertainty of the numerical data may be made, including quantative comments. Only significant decimals should be given.
The amount and/or kind of possible destruction, particular technical measures taken against glacier hazards, or special studies carried out in connection with the event may be given.

## APPENDIX - Table 1

GENERAL INFORMATION ON THE OBSERVED GLACIERS 2014–2015

| | |
|---|---|
| GLACIER NAME | Name of the glacier in capital letters, up to 30 alpha-numeric digits |
| WGMS ID | Key identifier of the glacier in the Fluctuations of Glaciers database, assigned by the WGMS, up to 5 numeric digits |
| PSFG NR | Identifier of the glacier in line with existing national inventories, assinged by the National Correspondents, up to 5 numeric digits with 2 alphabetic digits prefix denoting country (cf. www.iso.org) |
| REGION | Code for geographical location of the glacier in of 19 macro-scale regions, 3 alphabetic digits |
| LAT | Latitude in decimal degrees north (positive) or south (negative) |
| LON | Longitude in decimal degrees east (positive) or west (negative) |
| CODE | 3 digits giving primary classification, form, and frontal characteristics of the glacier (cf. Notes on the Completion of the Data Sheets) |
| EXP ACC | Exposition of the accumulation area (cardinal point) |
| EXP ABL | Exposition of the ablation area (cardinal point) |
| ELEV MAX | Maximum elevation of the glacier in metres above sea level* |
| ELEV MED | Median elevation of the glacier in metres above sea level* |
| ELEV MIN | Mininum elevation of the glacier in metres above sea level* |
| AREA | Total area of the glacier in $km^2$* |
| LEN | Total length of the glacier in km* |
| DATA TYPE | 2 = Variations in the positions of glacier fronts reported for 2013/14 and 2014/15 |
| | 3 = Mass balance summary data reported for 2013/14 and 2014/15 |
| | 4 = Mass balance versus elevation data reported for 2013/14 and 2014/15 |
| | 5 = Mass balance point data reported for 2013/14 and 2014/15 |
| | 6 = Changes in area, volume and thickness from geodetic surveys in 2013/14 and 2014/15 |

* these are the last reported values which may not correspond to the same survey year

| GLACIER_NAME | WGMS_ID | PSFG_NR | REGION | LAT | LON | CODE | EXP-ACC | EXP-ABL | ELEV-MAX | ELEV-MED | ELEV-MIN | AREA | LEN | DATA_TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **AQ - Antarctica** | | | | | | | | | | | | | | |
| BAHIA DEL DIABLO | 2665 | | ANT | -63.82 | -57.43 | 4-3-8 | NE | E | 630 | 390 | 50 | 12.9 | 7.6 | 2345- |
| HURD | 3367 | | ANT | -62.688 | -60.402 | 4-3-3 | W | W | 334 | | 4 | 4 | | -3--- |
| JOHNSONS | 3366 | | ANT | -62.669 | -60.354 | 4-2-4 | NW | NW | 356 | | 0 | 5.4 | | -3--- |
| **AR - Argentina** | | | | | | | | | | | | | | |
| BROWN SUPERIOR | 3903 | | SAN | -29.983 | -69.642 | 6-3-8 | E | NE | 5115 | 5060 | 4965 | 0.2 | 0.57 | 23456 |
| CONCONTA NORTE | 3902 | | SAN | -29.976 | -69.645 | 6-3-8 | E | E | 5125 | 5050 | 4950 | 0.1 | 0.52 | 23456 |
| LOS AMARILLOS | 3904 | | SAN | -29.296 | -69.995 | 6-3-8 | SE | SE | 5535 | 5275 | 4915 | 0.8 | 1.53 | 23456 |
| MARTIAL ESTE | 2000 | | SAN | -54.78 | -68.4 | 6-4-6 | SE | SE | 1180 | 1074 | 960 | 0.1 | 0.35 | -345- |
| **AT - Austria** | | | | | | | | | | | | | | |
| ALPEINER F. | 497 | AT0307 | CEU | 47.05 | 11.13 | 5-2-8 | N | NE | 3340 | 2930 | 2310 | 3.900 | 4.6 | 2---- |
| BACHFALLEN F. | 500 | AT0304 | CEU | 47.08 | 11.08 | 6-0-8 | N | N | 3120 | 2850 | 2580 | 2.5 | 2.9 | 2---- |
| BAERENKOPF K. | 567 | AT0702 | CEU | 47.14 | 12.723 | 6-2-4 | N | N | 3400 | 3030 | 2270 | 2.5 | 3.1 | 2---- |
| BERGLAS F. | 496 | AT0308 | CEU | 47.07 | 11.12 | 6-0-8 | E | NE | 3290 | 2990 | 2490 | 1.5 | 2.5 | 2---- |
| BIELTAL F. | 481 | AT0105A | CEU | 46.88 | 10.13 | 6-0-6 | NW | NW | 3000 | 2740 | 2544 | 0.700 | 1.1 | 2---- |
| BRENNKOGL K. | 528 | AT0727 | CEU | 47.1 | 12.8 | 6-4-6 | N | N | 2960 | 2670 | 2430 | 0.600 | 1.2 | 2---- |
| DAUNKOGEL F. | 604 | AT0310A | CEU | 47 | 11.1 | 6-0-8 | NE | NE | 3240 | 2880 | 2550 | 2.700 | 2.9 | 2---- |
| DIEM F. | 513 | AT0220 | CEU | 46.811 | 10.945 | 6-0-8 | NW | NW | 3540 | 3060 | 2710 | 3.5 | 3.4 | 2---- |
| EISKAR G. | 1632 | AT1301 | CEU | 46.62 | 12.9 | 6-4-6 | N | N | 2390 | 2250 | 2160 | 0.200 | 0.4 | 2---- |
| FERNAU F. | 601 | AT0312 | CEU | 46.98 | 11.13 | 6-4-8 | NW | N | 3310 | 2850 | 2380 | 2 | 2.5 | 2---- |
| FIRMISAN F. | 4337 | | CEU | 46.827 | 10.95 | X-X-X | W | W | | | | 0.800 | | 2---- |
| FREIWAND K. | 564 | AT0706 | CEU | 47.1 | 12.75 | 6-4-8 | SE | SE | 3130 | 2890 | 2690 | 0.300 | 1.1 | 2---- |
| FROSNITZ K. | 579 | AT0507 | CEU | 47.08 | 12.4 | 6-3-6 | E | E | 3330 | 2780 | 2400 | 4.200 | 4.4 | 2---- |
| GAISKAR F. | 530 | AT0325 | CEU | 46.97 | 11.12 | 6-4-8 | SE | SE | 3190 | 3070 | 2890 | 0.800 | 1.1 | 2---- |
| GAISSBERG F. | 508 | AT0225 | CEU | 46.83 | 11.07 | 5-2-8 | NW | NW | 3390 | 2850 | 2460 | 1.400 | 3.3 | 2---- |
| GEPATSCH F. | 522 | AT0202 | CEU | 46.85 | 10.77 | 5-2-8 | NE | N | 3536 | 3057 | 2060 | 17.300 | 8.2 | 2---- |
| GOESSNITZ K. | 532 | AT1201 | CEU | 46.97 | 12.75 | 6-4-7 | NW | NW | 3060 | 2690 | 2520 | 0.900 | 1.5 | 2---- |
| GOLDBERG K. | 1305 | AT0802B | CEU | 47.04 | 12.97 | 6-4-8 | SE | NE | 3080 | 2680 | 2350 | 1.1 | 2.8 | 23--- |
| GR. GOSAU G. | 536 | AT1101 | CEU | 47.48 | 13.6 | 6-4-6 | NW | NW | 2810 | 2520 | 2250 | 1.5 | 2.2 | 2---- |
| GROSSELEND K. | 542 | AT1001 | CEU | 47.03 | 13.32 | 6-3-6 | NW | NW | 3140 | 2720 | 2410 | 2.800 | 2.4 | 2---- |
| GURGLER F. | 511 | AT0222 | CEU | 46.8 | 10.98 | 5-2-8 | NW | N | 3420 | 2990 | 2270 | 11.900 | 8 | 2---- |
| GUSLAR F. | 490 | AT0210 | CEU | 46.85 | 10.8 | 6-4-8 | E | SE | 3480 | 3120 | 2780 | 2.600 | 2.5 | 2---- |
| HALLSTAETTER G. | 535 | AT1102 | CEU | 47.48 | 13.62 | 6-0-8 | NE | NE | 2910 | 2560 | 2150 | 2.8 | 2.3 | 234-- |
| HINTEREIS F. | 491 | AT0209 | CEU | 46.8 | 10.77 | 5-2-8 | E | NE | 3715 | 3064 | 2450 | 6.7 | 6.56 | 2345- |
| HOCHALM K. | 538 | AT1005 | CEU | 47.02 | 13.33 | 6-3-6 | E | E | 3350 | 2880 | 2540 | 3.200 | 2.4 | 2---- |
| HOCHJOCH F. | 492 | AT0208 | CEU | 46.78 | 10.82 | 5-2-6 | N | NW | 3500 | 3030 | 2300 | 2.6 | 3.8 | 2---- |
| HORN K. (SCHOB.) | 531 | AT1202 | CEU | 46.97 | 12.77 | 6-4-8 | N | NW | 3010 | 2780 | 2600 | 0.5 | 1.1 | 2---- |
| HORN K. (ZILLER) | 589 | AT0402 | CEU | 47 | 11.82 | 5-3-8 | N | N | 3217 | 2819 | 2119 | 3.100 | 3 | 2---- |
| INN. PIRCHLKAR | 505 | AT0228 | CEU | 47 | 10.92 | 6-5-6 | E | NE | 3340 | 2990 | 2720 | 0.600 | 1.8 | 2---- |
| JAMTAL F. | 480 | AT0106 | CEU | 46.858 | 10.156 | 5-2-8 | N | N | 3120 | 2780 | 2400 | 3.1 | 2.8 | 234-- |
| KAELBERSPITZ K. | 540 | AT1003 | CEU | 47.03 | 13.28 | 6-0-8 | N | N | 2890 | 2690 | 2450 | 0.800 | 2.2 | 2---- |
| KALSER BAERENKOPF K. | 2676 | | CEU | 47.11 | 12.6 | X-X-X | | | | | | | | 2---- |
| KARLINGER K. | 568 | AT0701 | CEU | 47.13 | 12.7 | 6-2-4 | NE | N | 3340 | 2800 | 2060 | 4 | 3.6 | 2---- |
| KESSELWAND F. | 507 | AT0226 | CEU | 46.838 | 10.793 | 6-3-8 | SE | E | 3493 | 3190 | 2850 | 3.6 | 3.58 | -345- |
| KLEINEISER K. | 555 | AT0717 | CEU | 47.15 | 12.67 | 6-4-6 | NW | NW | 2880 | 2730 | 2620 | 0.200 | 0.7 | 2---- |
| KLEINELEND K. | 541 | AT1002 | CEU | 47.07 | 13.25 | 6-3-4 | NE | NE | 3190 | 2750 | 2150 | 3 | 2.7 | 2---- |
| KLEINFLEISS K. | 547 | AT0801 | CEU | 47.053 | 12.947 | 6-0-6 | W | W | 3080 | 2840 | 2700 | 0.8 | 2.3 | 23--- |
| KLOSTERTALER M | 485 | AT0102B | CEU | 46.87 | 10.07 | 6-0-8 | W | W | 3220 | 2940 | 2640 | 0.400 | 1.6 | 2---- |
| KRIMMLER K. | 584 | AT0501A | CEU | 47.08 | 12.25 | 6-2-6 | NW | NW | 3490 | 2550 | 1910 | 7.5 | 3.5 | 2---- |
| LANDECK K. | 569 | AT0604 | CEU | 47.13 | 12.58 | 6-4-6 | N | N | 2940 | 2600 | 2430 | 0.400 | 0.9 | 2---- |
| LANGTALER F. | 510 | AT0223 | CEU | 46.789 | 11.019 | 5-3-8 | N | NW | 3420 | 2910 | 2450 | 3.5 | 5.1 | 2---- |
| LATSCH F. | 4338 | | CEU | 46.855 | 10.962 | X-X-X | NW | NW | | | | 1.700 | | 2---- |
| MARZELL F. | 515 | AT0218 | CEU | 46.78 | 10.88 | 5-2-8 | NW | N | 3620 | 3160 | 2450 | 5.100 | 4.4 | 2---- |
| MAURER K. (GLO.) | 558 | AT0714 | CEU | 47.18 | 12.68 | 6-4-6 | W | W | 2890 | 2730 | 2610 | 0.5 | 1.4 | 2---- |
| MITTERKAR F. | 487 | AT0214 | CEU | 46.88 | 10.87 | 6-4-6 | SE | SE | 3580 | 3230 | 2960 | 1.100 | 2.1 | 2---- |
| MUTMAL F. | 506 | AT0227 | CEU | 46.78 | 10.92 | 6-4-8 | N | NW | 3520 | 3080 | 2720 | 0.800 | 1.5 | 2---- |
| NIEDERJOCH F. | 516 | AT0217 | CEU | 46.78 | 10.87 | 5-2-8 | N | N | 3600 | 3100 | 2690 | 2.900 | 3 | 2---- |
| OBERSULZBACH K. | 583 | AT0502 | CEU | 47.111 | 12.293 | 5-1-8 | NW | NW | 3600 | 2730 | 2400 | 2 | 5.7 | -34-- |
| OCHSENTALER G. | 483 | AT0103 | CEU | 46.85 | 10.1 | 5-2-8 | N | N | 3160 | 2910 | 2400 | 2.6 | 2.8 | 2---- |
| OEDENWINKEL K. | 559 | AT0712 | CEU | 47.110 | 12.645 | 5-3-9 | NW | NW | 3180 | 2590 | 2130 | 2 | 3.8 | 2---- |
| PASTERZE | 566 | AT0704 | CEU | 47.1 | 12.7 | 5-2-8 | SE | SE | 3600 | 2990 | 2000 | 16.3 | 9.4 | 234-- |
| PFAFFEN F. | 591 | AT0324 | CEU | 46.965 | 11.135 | 6-4-8 | W | W | 3470 | 3060 | 2770 | 1.200 | 1.8 | 2---- |
| RETTENBACH F. | 488 | AT0212 | CEU | 46.93 | 10.93 | 6-4-6 | N | N | 3350 | 2920 | 2610 | 1.800 | 2.5 | 2---- |
| ROFENKAR F. | 518 | AT0215 | CEU | 46.88 | 10.88 | 6-4-4 | SE | SE | 3750 | 3290 | 2820 | 1.300 | 2.2 | 2---- |
| ROTER KNOPF K. | 3297 | | CEU | 46.97 | 12.75 | X-X-X | | | | | | | | 2---- |
| ROTMOOS F. | 509 | AT0224 | CEU | 46.82 | 11.05 | 6-2-8 | N | N | 3410 | 2960 | 2370 | 3.200 | 3.3 | 2---- |
| SCHALF F. | 514 | AT0219 | CEU | 46.78 | 10.93 | 5-2-8 | NW | NW | 3500 | 3130 | 2500 | 8.5 | 5.6 | 2---- |
| SCHLADMINGER G. | 534 | AT1103 | CEU | 47.47 | 13.63 | 6-4-6 | NE | NE | 2700 | 2600 | 2420 | 0.800 | 0.9 | 2---- |
| SCHLATEN K. | 580 | AT0506 | CEU | 47.112 | 12.384 | 5-1-8 | NE | NE | 3670 | 2810 | 1940 | 11.300 | 6.3 | 2---- |
| SCHMIEDINGER K. | 548 | AT0726 | CEU | 47.18 | 12.68 | 6-0-6 | NE | NE | 3160 | 2750 | 2410 | 1.800 | 2 | 2---- |
| SCHNEEGLOCKEN | 525 | AT0109 | CEU | 46.87 | 10.1 | 6-4-6 | NE | NE | 3020 | 2770 | 2570 | 0.700 | 1.2 | 2---- |
| SCHNEELOCH G. | 533 | AT1104 | CEU | 47.5 | 13.6 | 6-4-8 | NW | NW | 2530 | 2300 | 2190 | 0.200 | 0.8 | 2---- |
| SCHWARZENBERG F. | 501 | AT0303 | CEU | 47.05 | 11.12 | 6-3-8 | SE | SW | 3490 | 3030 | 2590 | 1.800 | 2.9 | 2---- |
| SCHWARZKARL K. | 556 | AT0716 | CEU | 47.17 | 12.67 | 6-4-6 | NW | NW | 2970 | 2750 | 2560 | 0.5 | 1.2 | 2---- |
| SCHWEIKERT F. | 4336 | | CEU | 47.028 | 10.81 | X-X-X | NW | NW | | | | 0.800 | | 2---- |
| SEXEGERTEN F. | 520 | AT0204 | CEU | 46.9 | 10.8 | 6-2-8 | N | NE | 3470 | 2950 | 2560 | 2.800 | 2.9 | 2---- |
| SIMILAUN F. | 3296 | | CEU | 46.78 | 10.88 | X-X-X | | | | | | | | 2---- |
| SIMONY K. | 575 | AT0511 | CEU | 47.07 | 12.27 | 6-0-9 | SE | SE | 3490 | 2810 | 2230 | 4.200 | 3.5 | 2---- |
| SPIEGEL F. | 512 | AT0221 | CEU | 46.83 | 10.95 | 6-4-8 | NW | NW | 3430 | 3080 | 2780 | 1.100 | 1.7 | 2---- |
| STUBACHER SONNBLICK K. | 573 | AT0601A | CEU | 47.13 | 12.6 | 6-0-6 | NE | E | 3050 | 2780 | 2500 | 0.9 | 1.5 | 23--- |
| SULZTAL F. | 503 | AT0301 | CEU | 47 | 11.08 | 5-2-8 | N | N | 3350 | 2860 | 2290 | 4.5 | 4.1 | 2---- |
| TASCHACH F. | 519 | AT0205 | CEU | 46.902 | 10.849 | 5-2-8 | N | NW | 3760 | 3130 | 2240 | 8.200 | 5.6 | 2---- |
| TOTENFELD | 524 | AT0110 | CEU | 46.88 | 10.15 | 6-4-8 | NE | NE | 3040 | 2790 | 2550 | 0.700 | 1.5 | 2---- |
| TOTENKOPF K. | 2680 | | CEU | 47.13 | 12.66 | X-X-X | | | | | | | | 2---- |
| TRIEBENKARLAS F. | 592 | AT0323 | CEU | 46.956 | 11.15 | 6-4-8 | W | W | 3460 | 3040 | 2760 | 1.800 | 2 | 2---- |
| UMBAL K. | 574 | AT0512 | CEU | 47.05 | 12.25 | 5-3-8 | SW | SW | 3440 | 2850 | 2230 | 7.300 | 5 | 2---- |
| UNT. RIFFL K. | 605 | AT0713B | CEU | 47.13 | 12.67 | 6-4-9 | N | NW | 2910 | 2530 | 2290 | 1 | 2 | 2---- |
| UNTERSULZBACH K. | 582 | AT0503 | CEU | 47.13 | 12.35 | 5-2-8 | N | NW | 3670 | 2720 | 2070 | 5.900 | 6.3 | 2---- |
| VERBORGENBERG F. | 593 | AT0322 | CEU | 47.07 | 11.12 | 6-4-6 | E | E | 3260 | 3000 | 2780 | 0.900 | 1.3 | 2---- |
| VERMUNT G. | 482 | AT0104 | CEU | 46.85 | 10.13 | 6-2-8 | NW | NW | 3130 | 2790 | 2500 | 2.2 | 2.8 | 2---- |
| VERNAGT F. | 489 | AT0211 | CEU | 46.88 | 10.82 | 6-2-6 | S | SE | 3619 | 3143 | 2800 | 7.3 | 2.6 | 234-- |
| VILTRAGEN K. | 581 | AT0505 | CEU | 47.13 | 12.37 | 5-2-8 | NE | E | 3480 | 2660 | 2190 | 4.300 | 4.5 | 2---- |
| W. TRIPP K. | 539 | AT1004 | CEU | 47.02 | 13.32 | 6-4-6 | SE | S | 3230 | 2880 | 2780 | 0.600 | 1.5 | 2---- |

| GLACIER_NAME | WGMS_ID | PSFG_NR | REGION | LAT | LON | CODE | EXP-ACC | EXP-ABL | ELEV-MAX | ELEV-MED | ELEV-MIN | AREA | LEN | DATA_TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WASSERFALLWINKL | 565 | AT0705 | CEU | 47.12 | 12.72 | 6-3-8 | SE | S | 3150 | 2870 | 2610 | 1.900 | 2.5 | 2---- |
| WAXEGG K. | 590 | AT0401 | CEU | 47 | 11.8 | 6-3-6 | NE | N | 3327 | 2848 | 2424 | 3.100 | 1.97 | 2---- |
| WEISSEE F. | 523 | AT0201 | CEU | 46.85 | 10.72 | 6-0-8 | N | N | 3530 | 2970 | 2540 | 3.5 | 3.4 | 2---- |
| WILDGERLOS | 587 | AT0404 | CEU | 47.151 | 12.106 | 6-0-8 | N | N | 3260 | 2650 | 2110 | 3.700 | 2.8 | 2---- |
| WINKL K. | 537 | AT1006 | CEU | 47.02 | 13.32 | 6-4-8 | W | W | 3100 | 2710 | 2390 | 0.700 | 1.5 | 2---- |
| WURTEN K. | 545 | AT0804 | CEU | 47.039 | 13.005 | 6-2-8 | SW | S | 3120 | 2680 | 2500 | 0.3 | 3 | 2345- |
| ZETTALUNITZ/MULLWITZ K. | 578 | AT0508 | CEU | 47.08 | 12.38 | 6-3-8 | SW | SW | 3470 | 2980 | 2650 | 2.8 | 4.5 | 234-- |
| **BO - Bolivia** | | | | | | | | | | | | | | |
| CHARQUINI SUR | 2667 | | TRP | -16.303 | -68.107 | X-X-X | S | S | 5334 | 5143 | 5000 | 0.3 | 0.448 | -3456 |
| ZONGO | 1503 | BO5150 | TRP | -16.28 | -68.14 | 5-3-8 | S | E | 6109 | 5420 | 4939 | 1.9 | 2.7 | 23456 |
| **CA - Canada** | | | | | | | | | | | | | | |
| DEVON ICE CAP NW | 39 | CA0431 | ACN | 75.42 | -83.25 | 3-0-3 | NW | NW | 1820 | 1200 | 0 | 1668 | 50 | -3-5- |
| GRINNELL | 2668 | | ACS | 62.55 | -67.25 | X-X-X | | | 875 | | 25 | 106.300 | | ----6 |
| HELM | 45 | CA0855 | WNA | 49.958 | -122.987 | 6-2-6 | NW | NW | 2150 | 1900 | 1700 | 0.8 | 2.4 | -3--- |
| MEIGHEN ICE CAP | 16 | CA1335 | ACN | 79.95 | -99.13 | 3-0-3 | | | 260 | 600 | 90 | 58 | 56 | -3-5- |
| MELVILLE SOUTH ICE CAP | 3690 | | ACN | 75.4 | -115 | 3-0-0 | | | 715 | | 526 | 51 | | -3-5- |
| PEYTO | 57 | CA1640 | WNA | 51.660 | -116.564 | 5-3-8 | NE | NE | 3190 | 2640 | 2100 | 11.4 | 5.3 | -3--- |
| PLACE | 41 | CA1660 | WNA | 50.425 | -122.601 | 5-3-8 | NE | NW | 2610 | 2089 | 1800 | 3.2 | 4.2 | -3--- |
| TERRA NIVEA | 4534 | | ACS | 62.27 | -66.51 | 3-X-X | | | 875 | | 25 | 146.100 | | ----6 |
| WHITE | 0 | CA2340 | ACN | 79.45 | -90.695 | 5-1-5 | SE | SE | 1780 | 1160 | 75 | 38.5 | 15.4 | -3456 |
| **CH - Switzerland** | | | | | | | | | | | | | | |
| ADLER | 3801 | CH0016B | CEU | 46.01 | 7.87 | 6-2-8 | W | W | 4119 | 3465 | 2900 | 2 | 3.06 | -345- |
| ALBIGNA | 1674 | CH0116 | CEU | 46.302 | 9.644 | X-X-X | N | N | 3077 | 2491 | 2179 | 2.5 | 3.42 | 2---- |
| ALLALIN | 394 | CH0011 | CEU | 46.05 | 7.93 | 6-2-6 | N | E | 4179 | 3323 | 2600 | 9.7 | 6.77 | 2345- |
| ALPETLI (KANDER) | 439 | CH0109 | CEU | 46.48 | 7.8 | 5-3-6 | NW | SW | 3211 | 2791 | 2307 | 12.200 | 6.28 | 2---- |
| AMMERTEN | 435 | CH0111 | CEU | 46.42 | 7.53 | 6-0-7 | NW | NW | 3240 | 2720 | 2350 | 1.900 | 2.8 | 2---- |
| AROLLA (BAS) | 377 | CH0027 | CEU | 45.98 | 7.5 | 5-1-9 | N | N | 3649 | 3086 | 2168 | 5.400 | 5.11 | 2---- |
| BASODINO | 463 | CH0104 | CEU | 46.42 | 8.48 | 6-3-6 | NE | NE | 3180 | 2886 | 2566 | 1.8 | 1.5 | 2345- |
| BIFERTEN | 422 | CH0077 | CEU | 46.82 | 8.95 | 5-3-8 | E | NE | 3602 | 2883 | 2004 | 2.5 | 4.4 | 2---- |
| BLUEMLISALP | 436 | CH0064 | CEU | 46.5 | 7.77 | 6-1-6 | NW | NW | 3646 | 2986 | 2338 | 2.200 | 2.47 | 2---- |
| BOVEYRE | 459 | CH0041 | CEU | 45.972 | 7.256 | 5-2-9 | NW | NW | 3617 | 3256 | 2691 | 1.600 | 2.59 | 2---- |
| BRENEY | 368 | CH0036 | CEU | 45.97 | 7.42 | 5-1-7 | S | SW | 3814 | 3348 | 2576 | 7 | 6.25 | 2---- |
| BRESCIANA | 465 | CH0103 | CEU | 46.5 | 9.03 | 6-3-6 | W | W | 3368 | 3127 | 2934 | 0.5 | 0.75 | 2---- |
| BRUNEGG | 384 | CH0020 | CEU | 46.14 | 7.72 | 5-3-0 | NW | NW | 3791 | 3165 | 2624 | 5.5 | 4.72 | 2---- |
| BRUNNI | 427 | CH0072 | CEU | 46.73 | 8.78 | 6-2-4 | E | N | 3275 | 2726 | 2564 | 2.300 | 3.52 | 2---- |
| CALDERAS | 403 | CH0095 | CEU | 46.530 | 9.707 | 6-1-7 | N | NE | 3260 | 3085 | 2773 | 0.700 | 1.16 | 2---- |
| CAMBRENA | 399 | CH0099 | CEU | 46.393 | 9.994 | 6-1-4 | NE | NE | 3252 | 2974 | 2493 | 1.300 | 2.03 | 2---- |
| CAVAGNOLI | 464 | CH0119 | CEU | 46.45 | 8.48 | 6-2-8 | NE | E | 2810 | 2714 | 2542 | 0.400 | 1.17 | 2---- |
| CHEILLON | 375 | CH0029 | CEU | 46 | 7.42 | 5-1-7 | N | N | 3629 | 2961 | 2684 | 3.600 | 3.83 | 2---- |
| CLARIDENFIRN | 2660 | CH0141 | CEU | 46.846 | 8.901 | 6-0-0 | | | 3300 | | 2500 | 4.6 | | -345- |
| CORBASSIERE | 366 | CH0038 | CEU | 45.98 | 7.3 | 5-1-9 | N | N | 4305 | 3234 | 2300 | 15.2 | 9.75 | 2345- |
| CORNO | 468 | CH0120 | CEU | 46.45 | 8.38 | 6-5-6 | N | N | 2884 | 2747 | 2601 | 0.100 | 0.57 | 2---- |
| CORVATSCH SOUTH | 4535 | | CEU | 46.417 | 9.824 | X-X-X | E | E | 3450 | | 2950 | 0.2 | | -345- |
| CROSLINA | 1681 | CH0121 | CEU | 46.43 | 8.73 | X-X-X | NE | NE | 3033 | 2802 | 2722 | 0.100 | 0.45 | 2---- |
| DAMMA | 429 | CH0070 | CEU | 46.63 | 8.45 | 6-1-6 | E | NE | 3311 | 2869 | 2062 | 4.200 | 2.15 | 2---- |
| EIGER | 442 | CH0059 | CEU | 46.57 | 7.98 | 6-1-6 | W | NW | 3720 | 3088 | 2400 | 1.5 | 2.59 | 2---- |
| FEE NORTH | 392 | CH0013 | CEU | 46.08 | 7.88 | 6-0-6 | NE | NE | 4360 | 3260 | 2135 | 16.700 | 5.1 | 2---- |
| FERPECLE | 379 | CH0025 | CEU | 46.02 | 7.58 | 5-3-8 | NW | N | 3668 | 3280 | 2140 | 9 | 6.07 | 2---- |
| FIESCHER | 471 | CH0004 | CEU | 46.5 | 8.15 | 5-1-9 | SE | S | 4084 | 3145 | 1706 | 29.400 | 15.38 | 2---- |
| FINDELEN | 389 | CH0016 | CEU | 46 | 7.87 | 5-1-6 | NW | W | 3937 | 3322 | 2500 | 12.9 | 6.86 | 2345- |
| FIRNALPELI | 424 | CH0075 | CEU | 46.78 | 8.47 | 6-0-6 | NW | N | 2920 | 2680 | 2172 | 1.200 | 1.1 | 2---- |
| FORNO | 396 | CH0102 | CEU | 46.3 | 9.7 | 5-1-9 | N | N | 3324 | 2721 | 2231 | 6.200 | 5.8 | 2---- |
| GAMCHI | 440 | CH0061 | CEU | 46.512 | 7.794 | 6-1-9 | N | N | 2765 | 2230 | 1958 | 1.200 | 1.79 | 2---- |
| GAULI | 449 | CH0052 | CEU | 46.62 | 8.18 | 5-1-6 | E | E | 3611 | 2935 | 2140 | 11.300 | 6.38 | 2---- |
| GIETRO | 367 | CH0037 | CEU | 46 | 7.38 | 6-3-4 | NW | W | 3810 | 3229 | 2700 | 5.3 | 4.45 | 2345- |
| GLAERNISCH | 418 | CH0080 | CEU | 47 | 8.98 | 6-2-6 | W | W | 2903 | 2532 | 2355 | 1.400 | 2.32 | 2---- |
| GORNER | 391 | CH0014 | CEU | 45.97 | 7.8 | 5-1-9 | N | NW | 4576 | 3351 | 2173 | 51.300 | 13.43 | 2---- |
| GRAND DESERT | 373 | CH0031 | CEU | 46.070 | 7.342 | 6-3-6 | NW | N | 3215 | 2961 | 2801 | 1.100 | 1.74 | 2---- |
| GRAND PLAN NEVE | 455 | CH0045 | CEU | 46.25 | 7.15 | 6-4-7 | N | N | 2539 | 2458 | 2375 | 0.100 | 0.34 | 2---- |
| GRIES | 359 | CH0003 | CEU | 46.445 | 8.340 | 5-3-4 | NE | NE | 3305 | 2945 | 2444 | 4.4 | 5.48 | 2345- |
| GRIESS (KLAUSEN) | 425 | CH0074 | CEU | 46.83 | 8.83 | 6-1-7 | N | NW | 3080 | 2420 | 2223 | 2.5 | 1.3 | 2---- |
| GRIESSEN (OBWALDEN) | 423 | CH0076 | CEU | 46.85 | 8.5 | 6-2-6 | W | NW | 2830 | 2609 | 2479 | 0.900 | 1.65 | 2---- |
| GROSSER ALETSCH | 360 | CH0005 | CEU | 46.5 | 8.03 | 5-1-9 | SE | S | 4126 | 3153 | 1649 | 78.200 | 23.58 | 2---- |
| HINTERSULZFIRN | 419 | CH0079 | CEU | 46.88 | 9.05 | 6-5-8 | N | N | 2086 | 1956 | 1815 | 0.200 | 0.96 | 2---- |
| HOHLAUB | 3332 | | CEU | 46.059 | 7.918 | X-X-X | | | 4100 | | 2800 | 2.1 | | 2345- |
| KALTWASSER | 363 | CH0007 | CEU | 46.25 | 8.08 | 6-0-6 | NW | W | 3262 | 2967 | 2757 | 1.5 | 1.88 | 2---- |
| KEHLEN | 431 | CH0068 | CEU | 46.68 | 8.42 | 5-1-8 | SE | SE | 3311 | 2783 | 2161 | 1.700 | 3.39 | 2---- |
| KESSJEN | 393 | CH0012 | CEU | 46.065 | 7.928 | 6-5-6 | NE | NE | 3223 | 2969 | 2873 | 0.300 | 0.33 | 2---- |
| LAEMMERN (WILDSTRUBEL) | 437 | CH0063 | CEU | 46.4 | 7.55 | 6-1-6 | E | E | 3231 | 3005 | 2558 | 2.300 | 2.5 | 2---- |
| LANG | 386 | CH0018 | CEU | 46.459 | 7.928 | 5-1-9 | SW | SW | 3890 | 3001 | 2086 | 8.200 | 6.39 | 2---- |
| LAVAZ | 416 | CH0082 | CEU | 46.63 | 8.93 | 6-1-8 | NE | N | 3020 | 2580 | 2428 | 1.800 | 2.6 | 2---- |
| LENTA | 414 | CH0084 | CEU | 46.513 | 9.038 | 5-2-7 | N | N | 3379 | 2944 | 2393 | 0.800 | 2.3 | 2---- |
| LIMMERN | 421 | CH0078 | CEU | 46.813 | 8.977 | 6-2-7 | NE | NE | 3404 | 2779 | 2328 | 1.900 | 3.13 | 2---- |
| LISCHANA | 400 | CH0098 | CEU | 46.77 | 10.35 | 6-5-9 | NW | NW | 3030 | 2880 | 2800 | 0.200 | 0.6 | 2---- |
| MOIRY | 380 | CH0024 | CEU | 46.08 | 7.6 | 5-1-8 | N | N | 3640 | 3194 | 2388 | 4.900 | 5.07 | 2---- |
| MOMING | 381 | CH0023 | CEU | 46.08 | 7.67 | 6-0-9 | N | NW | 4057 | 3148 | 2539 | 5.200 | 3.26 | 2---- |
| MONT DURAND | 369 | CH0035 | CEU | 45.92 | 7.33 | 5-1-9 | E | NE | 4058 | 3057 | 2402 | 6 | 5.5 | 2---- |
| MONT MINE | 378 | CH0026 | CEU | 46.02 | 7.55 | 5-1-9 | NW | N | 3711 | 3230 | 2023 | 9.800 | 5.44 | 2---- |
| MORTERATSCH | 1673 | CH0094 | CEU | 46.4 | 9.93 | 5-1-9 | N | N | 3972 | 3011 | 2021 | 14.200 | 7.42 | 2---- |
| MURTEL | 4339 | | CEU | 46.408 | 9.824 | X-X-X | E | E | 3263 | 3167 | 3050 | 0.3 | 0.98 | -345- |
| OBERAAR | 451 | CH0050 | CEU | 46.535 | 8.22 | 5-2-4 | NE | NE | 3388 | 2878 | 2310 | 3.700 | 4.654 | ---56 |
| OBERER GRINDELWALD | 444 | CH0057 | CEU | 46.62 | 8.1 | 5-1-8 | NW | NW | 3705 | 3030 | 1392 | 8.400 | 6.22 | 2---- |
| OTEMMA | 370 | CH0034 | CEU | 45.95 | 7.45 | 5-1-7 | SW | SW | 3774 | 3032 | 2462 | 12.600 | 7.07 | 2---- |
| PALUE | 398 | CH0100 | CEU | 46.37 | 9.98 | 6-2-9 | E | E | 3847 | 3189 | 2592 | 5.300 | 2.54 | 2---- |
| PANEYROSSE | 456 | CH0044 | CEU | 46.27 | 7.17 | 6-4-6 | N | N | 2756 | 2568 | 2452 | 0.300 | 0.59 | 2---- |
| PARADIES | 412 | CH0086 | CEU | 46.5 | 9.07 | 6-0-6 | N | NE | 3136 | 2872 | 2566 | 2 | 1.82 | 2---- |
| PARADISINO (CAMPO) | 397 | CH0101 | CEU | 46.421 | 10.109 | 6-3-9 | NW | W | 3043 | 2945 | 2833 | 0.300 | 0.71 | 2---- |
| PIZOL | 417 | CH0081 | CEU | 46.97 | 9.4 | 6-5-6 | N | N | 2779 | 2683 | 2600 | 0.1 | 0.39 | 2345- |
| PLAINE MORTE | 4246 | | CEU | 46.38 | 7.49 | 0-X-6 | N | N | 2953 | 2468 | 2400 | 7.5 | 3.2 | -345- |
| PLATTALVA | 420 | CH0114 | CEU | 46.833 | 8.989 | 6-5-6 | E | E | 2941 | 2740 | 2601 | 0.300 | 0.93 | 2---- |
| PORCHABELLA | 410 | CH0088 | CEU | 46.63 | 9.88 | 6-1-6 | N | N | 3243 | 2881 | 2663 | 1.700 | 2.2 | 2---- |
| PRAPIO | 453 | CH0048 | CEU | 46.32 | 7.2 | 6-5-7 | NW | NW | 2854 | 2753 | 2558 | 0.200 | 0.7 | 2---- |
| PUNTEGLIAS | 415 | CH0083 | CEU | 46.791 | 8.949 | 6-1-7 | SE | S | 2984 | 2602 | 2348 | 0.5 | 2 | 2---- |

| GLACIER_NAME | WGMS_ID | PSFG_NR | REGION | LAT | LON | CODE | EXP-ACC | EXP-ABL | ELEV-MAX | ELEV-MED | ELEV-MIN | AREA | LEN | DATA_TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RAETZLI (PLAINE MORTE) | 434 | CH0065 | CEU | 46.39 | 7.51 | 6-2-6 | N | NW | 2953 | 2725 | 2468 | 9.800 | 3.7 | 2---- |
| RHONE | 473 | CH0001 | CEU | 46.62 | 8.4 | 5-1-4 | S | S | 3596 | 2958 | 2252 | 15.6 | 10.06 | 2345- |
| RIED | 387 | CH0017 | CEU | 46.13 | 7.85 | 5-3-9 | NW | NW | 4244 | 3476 | 2078 | 7.300 | 5.33 | 2---- |
| ROSEG | 406 | CH0092 | CEU | 46.378 | 9.839 | 5-1-7 | N | N | 3517 | 3127 | 2197 | 6.700 | 3.72 | 2---- |
| ROTFIRN NORD | 430 | CH0069 | CEU | 46.662 | 8.424 | 6-1-9 | E | NE | 3254 | 2726 | 2086 | 0.900 | 2.05 | 2---- |
| SALEINA | 458 | CH0042 | CEU | 45.98 | 7.07 | 5-1-8 | E | NE | 3871 | 3030 | 1850 | 6.5 | 6.4 | 2---- |
| SANKT ANNA | 432 | CH0067 | CEU | 46.6 | 8.6 | 6-3-6 | N | N | 2928 | 2720 | 2600 | 0.2 | 0.68 | 2345- |
| SARDONA | 407 | CH0091 | CEU | 46.92 | 9.27 | 6-4-6 | E | E | 3003 | 2745 | 2583 | 0.400 | 0.64 | 2---- |
| SCALETTA | 1680 | CH0115 | CEU | 46.7 | 9.95 | 6-5-0 | N | N | 3050 | 2893 | 2590 | 0.200 | 0.78 | 2---- |
| SCHWARZ | 438 | CH0062 | CEU | 46.42 | 7.67 | 5-1-9 | SW | NW | 3649 | 2903 | 2318 | 1.100 | 3.48 | 2---- |
| SCHWARZBACH | 4340 |  | CEU | 46.597 | 8.612 | X-X-X | NE | NE | 2832 | 2754 | 2700 | 0.1 | 0.34 | -345- |
| SCHWARZBERG | 395 | CH0010 | CEU | 46.02 | 7.93 | 6-2-6 | NE | NE | 3551 | 3044 | 2600 | 0.8 | 4.11 | 2345- |
| SEEWJINEN | 3333 |  | CEU | 46.002 | 7.950 | X-X-X |  |  | 3228 | 3004 | 2719 | 1.400 | 1.84 | 2---- |
| SESVENNA | 401 | CH0097 | CEU | 46.713 | 10.411 | 6-5-6 | NE | N | 3065 | 2930 | 2748 | 0.400 | 0.97 | 2---- |
| SEX ROUGE | 454 | CH0047 | CEU | 46.329 | 7.211 | 6-5-6 | N | NW | 2867 | 2808 | 2700 | 0.3 | 0.64 | 2345- |
| SILVRETTA | 408 | CH0090 | CEU | 46.85 | 10.08 | 6-2-6 | NW | W | 3075 | 2782 | 2475 | 2.7 | 3.29 | 2345- |
| STEIN | 448 | CH0053 | CEU | 46.7 | 8.43 | 5-2-8 | N | N | 2974 | 2725 | 2491 | 0.5 | 0.9 | 2---- |
| STEINLIMMI | 447 | CH0054 | CEU | 46.7 | 8.4 | 5-1-7 | N | N | 3300 | 2640 | 2100 | 2.200 | 2.7 | 2---- |
| SURETTA | 411 | CH0087 | CEU | 46.52 | 9.38 | 6-1-7 | NE | NE | 3010 | 2720 | 2227 | 1.200 | 1.6 | 2---- |
| TIATSCHA | 402 | CH0096 | CEU | 46.833 | 10.087 | 6-3-4 | S | S | 3080 | 2886 | 2667 | 1.800 | 2.05 | 2---- |
| TIEFEN | 433 | CH0066 | CEU | 46.62 | 8.43 | 5-1-9 | SE | SE | 3336 | 2956 | 2501 | 2 | 2.71 | 2---- |
| TORTIN GLACIER DE (MONT FORT) | 372 | CH0032 | CEU | 46.085 | 7.308 | 6-3-6 | NW | N | 3330 | 2900 | 2780 | 1.100 | 2 | 2---- |
| TRIENT | 457 | CH0043 | CEU | 46 | 7.03 | 5-3-8 | N | N | 3460 | 3132 | 2099 | 5.700 | 4.39 | 2---- |
| TRIFT (GADMEN) | 446 | CH0055 | CEU | 46.67 | 8.37 | 5-1-8 | N | N | 3381 | 2931 | 1753 | 14.600 | 6.42 | 2---- |
| TSANFLEURON | 371 | CH0033 | CEU | 46.32 | 7.23 | 6-5-6 | E | E | 2969 | 2769 | 2500 | 2.6 | 2.9 | 2345- |
| TSCHIERVA | 405 | CH0093 | CEU | 46.4 | 9.88 | 5-1-8 | NW | NW | 4000 | 3060 | 2340 | 6.800 | 5 | 2---- |
| TSCHINGEL | 441 | CH0060 | CEU | 46.5 | 7.85 | 6-2-7 | N | E | 3510 | 2680 | 2269 | 6.200 | 3.8 | 2---- |
| TSEUDET | 364 | CH0040 | CEU | 45.9 | 7.25 | 6-1-7 | N | N | 3714 | 2919 | 2524 | 1.400 | 2.87 | 2---- |
| TSIDJIORE NOUVE | 376 | CH0028 | CEU | 46 | 7.45 | 5-2-8 | N | NE | 3783 | 3266 | 2289 | 2.700 | 5 | 2---- |
| TURTMANN (WEST) | 385 | CH0019 | CEU | 46.13 | 7.69 | 5-2-8 | NW | N | 4147 | 3382 | 2294 | 5.100 | 5.87 | 2---- |
| UNTERER GRINDELWALD | 443 | CH0058 | CEU | 46.577 | 8.095 | 5-1-9 | N | N | 4100 | 2780 | 1090 | 20.600 | 9 | 2---- |
| VALLEGGIA | 467 | CH0117 | CEU | 46.472 | 8.506 | 6-4-8 | NE | NE | 2785 | 2519 | 2430 | 0.300 | 1.25 | 2---- |
| VALSOREY | 365 | CH0039 | CEU | 45.9 | 7.27 | 5-1-8 | NE | NW | 3720 | 3173 | 2440 | 1.900 | 3.8 | 2---- |
| VERSTANKLA | 409 | CH0089 | CEU | 46.843 | 10.068 | 6-1-7 | NW | NW | 2983 | 2693 | 2430 | 0.700 | 1.84 | 2---- |
| VORAB | 413 | CH0085 | CEU | 46.88 | 9.17 | 6-0-6 | E | SE | 2953 | 2706 | 2621 | 1.200 | 1.79 | 2---- |
| WALLENBUR | 428 | CH0071 | CEU | 46.707 | 8.470 | 6-1-9 | E | SE | 3126 | 2570 | 2263 | 1.400 | 2.27 | 2---- |
| ZINAL | 382 | CH0022 | CEU | 46.07 | 7.63 | 5-1-9 | N | N | 4074 | 3112 | 2078 | 13.300 | 7.29 | 2---- |
| **CL - Chile** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| AMARILLO | 3905 |  | SAN | -29.303 | -70.001 | 6-3-8 | SE | SE | 5315 | 5180 | 5160 | 0.2 | 0.55 | 23456 |
| ECHAURREN NORTE | 1344 | CL0001B | SAN | -33.578 | -70.131 | 6-4-3 | SW | SW | 3880 | 3750 | 3650 | 0.4 | 1.2 | -3--- |
| GUANACO | 3983 |  | SAN | -29.348 | -70.016 | 6-3-6 | SE | SE | 5356 | 5168 | 5007 | 1.6 | 2.353 | 23--- |
| MELIMOYU ESTE | 4434 |  | SAN | -44.07 | -72.86 | X-X-X |  |  |  |  |  |  |  | 2---- |
| **CN - China** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PARLUNG NO. 94 | 3987 | CN0094 | ASE | 29.386 | 96.976 | 5-2-8 | NW | NW | 5635 | 5358 | 5080 | 2.4 | 2.9 | 2345- |
| URUMQI GLACIER NO. 1 | 853 | CN0010 | ASC | 43.118 | 86.811 | 6-2-2 | NE | NE | 4482 | 4066 | 3787 | 1.6 | 2.075 | 234-- |
| URUMQI GLACIER NO. 1 E-BRANCH | 1511 | CN0001 | ASC | 43.118 | 86.811 | 6-2-8 | NE | NE | 4252 | 4021 | 3787 | 1 | 2.075 | 2345- |
| URUMQI GLACIER NO. 1 W-BRANCH | 1512 | CN0002 | ASC | 43.118 | 86.811 | 6-2-8 | NE | NE | 4482 | 4121 | 3883 | 0.6 | 1.816 | 2345- |
| **CO - Colombia** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CONEJERAS | 2721 | CO0033 | TRP | 4.815 | -75.373 | 6-3-6 | NW | NW | 4895 | 4808 | 4700 | 0.2 | 0.91 | 23456 |
| RITACUBA BLANCO | 2763 |  | TRP | 6.45 | -72.3 | 6-3-6 | w | w | 5170 | 5029 | 4820 | 0.4 | 1.36 | 23456 |
| **EC - Ecuador** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ANTIZANA15ALPHA | 1624 | EC1DA15 | TRP | -0.47 | -78.15 | 4-7-8 | NW | NW | 5760 | 5310 | 4860 | 0.3 | 1.87 | 234-- |
| **ES - Spain** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MALADETA | 942 | ES9020 | CEU | 42.649 | 0.639 | 6-4-8 | NE | NE | 3190 | 3090 | 2842 | 0.200 | 0.76 | 234-- |
| **FR - France** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ARGENTIERE | 354 | FR0002 | CEU | 45.954 | 6.985 | 5-1-9 | NW | NW | 3500 | 2600 | 1500 | 13.5 | 9 | 23--- |
| BLANC | 351 | FR0031 | CEU | 44.944 | 6.387 | 5-2-8 | E | S | 4000 | 3000 | 2500 | 7.700 | 7 | 2---- |
| BOSSONS | 355 | FR0004 | CEU | 45.880 | 6.865 | 5-2-8 | N | N | 4800 | 3200 | 1190 | 10.5 | 7.2 | 2---- |
| GEBROULAZ | 352 | FR0009 | CEU | 45.298 | 6.629 | 5-2-9 | N | N | 3400 | 3000 | 2600 | 2.800 | 3 | -3--- |
| MER DE GLACE | 353 | FR0003 | CEU | 45.88 | 6.93 | 5-1-9 | N | N | 4100 | 2700 | 1800 | 22.700 | 13 | 2---- |
| OSSOUE | 2867 |  | CEU | 42.771 | -0.143 | 5-2-9 | E | E | 3200 | 3000 | 2650 | 0.5 | 1.4 | 23--- |
| SAINT SORLIN | 356 | FR0015 | CEU | 45.160 | 6.160 | 5-2-9 | N | N | 3400 | 2900 | 2600 | 3 | 3 | 23--- |
| SARENNES | 357 | FR0029 | CEU | 45.116 | 6.129 | 5-4-8 | S | S | 2960 | 2905 | 2848 | 0.1 | 0.6 | -3--- |
| TRE LA TETE | 1314 | FR0007 | CEU | 45.794 | 6.789 | 5-1-8 | S | S | 3850 | 3250 | 2050 | 6.6 | 7.1 | 23-5- |
| **GE - Georgia** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ABANO | 767 | GE3037 | CAU | 42.691 | 44.522 | 5-3-9 | SE | SE | 4800 | 4090 | 3380 | 0.700 | 2.7 | 2---- |
| ADISHI | 4551 | GE0351 | CAU | 43.017 | 43.006 | 5-3-8 | SW | SW | 4860 | 3673 | 2485 | 9.5 | 6.9 | 2---- |
| BOKO | 4560 | GE0436 | CAU | 42.759 | 43.708 | 5-3-8 | SW | SW | 3940 | 3300 | 2660 | 3.900 | 4.1 | 2---- |
| BUBA | 4561 | GE0440 | CAU | 42.751 | 43.743 | 5-1-9 | SW | SW | 4300 | 3660 | 3020 | 3.100 | 3.03 | 2---- |
| CHACHI | 765 | GE3035 | CAU | 42.724 | 44.055 | 5-3-8 | N | N | 4280 | 3815 | 3350 | 1.300 | 2.4 | 2---- |
| CHALAATI | 1110 | GE0287 | CAU | 43.13 | 42.7 | 5-X-X |  |  | 3800 | 2880 | 1960 | 8.600 | 6.9 | 2---- |
| CHANCHAKHI | 4562 | GE0447 | CAU | 42.727 | 43.790 | 5-3-9 | SW | SW | 4000 | 3545 | 3090 | 0.5 | 1.61 | 2---- |
| DEVDORAKI NORTH | 766 | GE3036 | CAU | 42.714 | 44.524 | 5-3-9 | NE | NE | 4300 | 3390 | 2480 | 1.600 | 4.04 | 2---- |
| DOLRA | 4543 | GE0271 | CAU | 43.168 | 42.522 | 5-3-8 | SE | SE | 4450 | 3678 | 2905 | 5.5 | 5.68 | 2---- |
| EDENA BIGGER | 4556 | GE0392 | CAU | 42.885 | 43.374 | 5-3-8 | SW | SW | 3870 | 3365 | 2860 | 3.5 | 3.46 | 2---- |
| GERGETI | 768 | GE3038 | CAU | 42.677 | 44.508 | 5-2-8 | SE | SE | 4900 | 4050 | 3200 | 6 | 6.62 | 2---- |
| GULI | 4545 | GE0284 | CAU | 43.106 | 42.667 | 5-3-9 | S | S | 3780 | 3371 | 2970 | 0.5 | 1.54 | 2---- |
| KHALDE | 4552 | GE0355 | CAU | 42.990 | 43.036 | 5-1-9 | SW | SW | 4800 | 3673 | 2545 | 8.800 | 7.52 | 2---- |
| KIBESHA | 772 | GE3042 | CAU | 42.626 | 44.752 | 5-3-9 | N | N | 3600 | 3445 | 3290 | 0.900 | 1.27 | 2---- |
| KIRTISHO | 4559 | GE0423 | CAU | 42.834 | 43.587 | 5-3-8 | NW | NW | 3840 | 3253 | 2655 | 4.400 | 4.76 | 2---- |
| KORULDASHI | 783 | GE3015 | CAU | 42.955 | 43.154 | 5-3-9 | S | S | 4220 | 3450 | 2680 | 2.200 | 2.98 | 2---- |
| KVITLODI | 4549 | GE0329 | CAU | 43.104 | 42.939 | 5-3-8 | SW | SW | 3800 | 3165 | 2530 | 9.800 | 6.64 | 2---- |
| LABODA | 4558 | GE0401 | CAU | 42.874 | 43.467 | 5-3-9 | SW | SW | 4300 | 3405 | 2510 | 1.5 | 2.99 | 2---- |
| LAILA | 4555 | GE0601 | CAU | 42.925 | 42.524 | 5-3-8 | NW | NW | 4008 | 3324 | 2640 | 3.5 | 4.52 | 2---- |
| LEADASHTI NORTH | 4541 | GE0237 | CAU | 43.185 | 42.476 | 5-3-8 | SW | SW | 4060 | 3600 | 3140 | 3.5 | 4.02 | 2---- |
| LEKHZIRI | 1111 | GE0296 | CAU | 43.158 | 42.737 | X-X-X |  |  | 4300 | 3315 | 2330 | 23.300 | 10.73 | 2---- |
| MARUKHI SOUTH | 4537 | GE0018 | CAU | 43.353 | 41.402 | 5-3-8 | NE | NE | 3320 | 2905 | 2490 | 1.700 | 3 | 2---- |
| MNA | 769 | GE3039 | CAU | 42.690 | 44.471 | 5-3-9 | SE | SE | 4510 | 3935 | 3360 | 2.600 | 2.5 | 2---- |
| NAMKVANI | 4554 | GE0370 | CAU | 42.967 | 43.124 | 5-3-9 | SW | SW | 4000 | 3503 | 3005 | 2.300 | 2.38 | 2---- |

| GLACIER_NAME | WGMS_ID | PSFG_NR | REGION | LAT | LON | CODE | EXP-ACC | EXP-ABL | ELEV-MAX | ELEV-MED | ELEV-MIN | AREA | LEN | DATA_TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PSISHI | 4536 | GE0003 | CAU | 43.391 | 41.141 | 5-3-8 | NW | NW | 3120 | 2893 | 2665 | 0.600 | 1.53 | 2---- |
| SAKENI | 4539 | GE0133 | CAU | 43.204 | 42.092 | 5-3-8 | SE | SE | 3905 | 3268 | 2630 | 2 | 3.15 | 2---- |
| SHDAVLERI | 4540 | GE0206 | CAU | 43.140 | 42.335 | 5-3-8 | N | N | 3900 | 3315 | 2730 | 2.300 | 3.32 | 2---- |
| SHKHARA | 4553 | GE0365 | CAU | 42.972 | 43.100 | 5-1-9 | S | S | 4480 | 3510 | 2540 | 3.5 | 3.78 | 2---- |
| SOPRUJU SOUTH | 4538 | GE0041 | CAU | 43.237 | 41.569 | 5-3-8 | S | S | 3700 | 3195 | 2690 | 3.700 | 2.8 | 2---- |
| SUATISI CENTRAL | 770 | GE3040 | CAU | 42.7 | 44.42 | 5-3-9 | S | S | 4530 | 3814 | 3095 | 1.900 | 3.53 | 2---- |
| SUATISI EASTERN | 4564 | GE0489 | CAU | 42.700 | 44.442 | 5-2-9 | SW | SW | 4300 | 3270 | 2240 | 7.700 | 4.95 | 2---- |
| SUATISI WESTERN | 4563 | GE0485 | CAU | 42.692 | 44.393 | 5-3-9 | SE | SE | 4300 | 3820 | 3340 | 1.5 | 2.82 | 2---- |
| TBILISA | 724 | GE3012 | CAU | 42.741 | 43.774 | X-X-X | SE | SE | 4200 | 3595 | 2990 | 1.900 | 2.87 | 2---- |
| TSANERI SOUTH | 4550 | GE0342 | CAU | 43.054 | 42.985 | 5-3-8 | NW | NW | 4300 | 3413 | 2525 | 12.600 | 8.62 | 2---- |
| USHBA SOUTH | 773 | GE3013 | CAU | 43.13 | 42.65 | 5-2-9 | NE | NE | 4500 | 3550 | 2600 | 4.700 | 4.89 | 2---- |
| ZOPKHITO | 4557 | GE0396 | CAU | 42.877 | 43.420 | 5-3-9 | SE | SE | 3780 | 3193 | 2605 | 2.400 | 3.6 | 2---- |
| **GL - Greenland** | | | | | | | | | | | | | | |
| A.P. OLSEN ICE CAP | 4576 | | GRL | 74.64 | -21.45 | 3-0-0 | | | | | | | | ---5- |
| FREYA | 3350 | | GRL | 74.38 | -20.82 | 5-2-8 | N | NW | 1250 | | 200 | 5.3 | 6 | -345- |
| MITTIVAKKAT | 1629 | GL0019 | GRL | 65.696 | -37.803 | 2-2-3 | SW | SW | 899 | | 180 | 15.9 | 7.5 | 2345- |
| QAANAAQ ICE CAP | 4575 | | GRL | 77.51 | -69.15 | 3-0-0 | | | | | | | | ---5- |
| QASIGIANNGUIT | 4566 | GL0003 | GRL | 64.16 | -51.35 | 6-3-8 | N | N | 1000 | 860 | 650 | 0.7 | 1.3 | -345- |
| **IN - India** | | | | | | | | | | | | | | |
| CHHOTA SHIGRI | 2921 | | ASW | 32.235 | 77.516 | 5-1-9 | N | N | 6263 | 5020 | 4050 | 16.800 | 9 | -3--- |
| **IS - Iceland** | | | | | | | | | | | | | | |
| BAEGISARJOKULL | 3059 | IS0304 | ISL | 65.59 | -18.37 | 5-3-0 | N | N | 1300 | 1120 | 960 | 1.700 | 1.4 | 2---- |
| BLAGNIPUJOKULL | 3130 | | ISL | 64.72 | -19.13 | 4-X-3 | SW | SW | 1700 | | 740 | 51.5 | 11 | 2---- |
| BROKARJOKULL | 3066 | IS1427 | ISL | 64.25 | -16.12 | 4-3-3 | S | SE | 1200 | | 200 | 5 | 3 | 2---- |
| BRUARJOKULL | 3067 | IS2400 | ISL | 64.67 | -16.17 | 4-3-3 | N | N | 1800 | 1260 | 590 | 1528 | 54 | -3--6 |
| DRANGAJOKULL ICE CAP | 6831 | | ISL | 66.16 | -22.25 | 3-0-0 | | | | | | | | ----6 |
| DYNGJUJOKULL | 3068 | IS2600 | ISL | 64.67 | -17 | 4-2-3 | N | N | 200 | 1440 | 720 | 1060 | 46 | -3--- |
| EYJABAKKAJOKULL | 3069 | IS2300 | ISL | 64.65 | -15.58 | 4-2-3 | N | NE | 1565 | 1130 | 690 | 112 | 15 | -3--- |
| FALLJOKULL | 3071 | IS1021 | ISL | 63.98 | -16.75 | 4-3-3 | W | W | 2000 | | 140 | 8 | 8 | 2---- |
| FLAAJOKULL | 3078 | IS1930A | ISL | 64.363 | -15.653 | 4-3-2 | SE | SE | 1520 | | 50 | 180 | 29 | 2---- |
| FLAAJOKULL E 148 | 3076 | IS1930C | ISL | 64.363 | -15.653 | 4-3-2 | SE | SE | 1520 | | 50 | 180 | 29 | 2---- |
| GEITLANDSJOKULL | 3128 | | ISL | 64.598 | -20.601 | 4-X-3 | W | W | 1420 | | 800 | | 8 | 2---- |
| GLJUFURARJOKULL | 3080 | IS0103 | ISL | 65.72 | -18.65 | 5-4-8 | N | N | 1350 | | 600 | 3 | 2.5 | 2---- |
| HAGAFELLSJOKULL W | 3082 | IS0204 | ISL | 64.49 | -20.41 | 4-3-3 | SW | SW | 1420 | | 450 | 150 | 18 | 2---- |
| HEINABERGSJOKULL | 3085 | | ISL | 64.315 | -15.808 | 4-2-4 | E | E | | | 60 | | | 2---- |
| HEINABERGSJOKULL H | 3084 | IS1829B | ISL | 64.315 | -15.808 | 4-2-4 | E | E | | | | | | 2---- |
| HOFSJOKULL E | 3088 | IS0510B | ISL | 64.8 | -18.58 | 4-3-3 | E | E | 1790 | 1185 | 600 | 212.3 | 19 | -3-5- |
| HOFSJOKULL ICE CAP | 6830 | | ISL | 64.81 | -18.82 | 3-0-0 | | | | | | | | ----6 |
| HOFSJOKULL N | 3089 | IS0510A | ISL | 64.95 | -18.92 | 4-3-3 | N | N | 1725 | 1250 | 850 | 74.3 | 19.9 | -3--- |
| HOFSJOKULL SW | 3090 | IS0510C | ISL | 64.72 | -19.05 | 4-3-3 | SW | SW | 1775 | 1205 | 725 | 51.4 | 13 | -3--- |
| HYRNINGSJOKULL | 3092 | IS0100 | ISL | 64.81 | -23.73 | 4-3-3 | E | E | 1445 | | 700 | 2 | 2 | 2---- |
| JOKULHALS | 3093 | IS0201 | ISL | 64.82 | -23.75 | 4-3-3 | E | E | 1450 | 1000 | 820 | 11 | 3 | 2---- |
| KALDALONSJOKULL | 3095 | IS0102 | ISL | 66.12 | -22.29 | 4-3-3 | SW | SW | 900 | | 140 | 37 | 6 | 2---- |
| KIRKJUJOKULL | 3129 | | ISL | 64.73 | -19.85 | 4-X-3 | SE | E | 1450 | | 700 | 30 | 8 | 2---- |
| KOLDUKVISLARJ. | 3096 | IS2700 | ISL | 64.58 | -17.83 | 4-3-3 | NW | NW | 2000 | 1420 | 900 | 300 | 27 | -3--- |
| KOTLUJOKULL | 3132 | | ISL | 63.55 | -18.82 | 4-X-3 | SE | SE | 1500 | | 200 | 133 | 23 | 2---- |
| KVERKJOKULL | 3097 | IS2500 | ISL | 64.72 | -16.65 | 4-3-3 | N | NW | 1920 | | 900 | 29 | 11 | 2---- |
| LAMBAHRAUNSJOKULL | 3099 | IS0409 | ISL | 64.97 | -18.86 | 4-3-0 | N | N | | | | | | 2---- |
| LANGJOKULL ICE CAP | 3660 | | ISL | 64.67 | -20.1 | 3-0-0 | | | | | | 957 | | -3--6 |
| MORSARJOKULL | 3104 | IS0318 | ISL | 64.09 | -16.94 | 4-3-3 | SW | SW | 1380 | | 180 | 30 | 10 | 2---- |
| MULAJOKULL S | 3105 | IS0311A | ISL | 64.67 | -18.66 | 4-3-2 | SE | SE | 1790 | | 610 | 70 | 20 | 2---- |
| MULAJOKULL W | 3106 | IS0311B | ISL | 64.67 | -18.72 | 4-3-1 | S | SE | 1800 | 1300 | 600 | 100 | 19 | 2---- |
| MYRDALSJOKULL ICE CAP | 6832 | | ISL | 63.66 | -19.13 | 3-0-0 | | | | | | | | ----6 |
| NAUTHAGAJOKULL | 3107 | IS0210 | ISL | 64.65 | -18.76 | 4-3-3 | S | S | 1780 | | 630 | 25 | 18 | 2---- |
| REYKJAFJARDARJOKULL | 3109 | IS0300 | ISL | 66.2 | -22.18 | 4-3-3 | NE | NE | 925 | | 100 | 22 | 7 | 2---- |
| RJUPNABREKKUJOKULL | 3136 | | ISL | 64.72 | -17.56 | 4-X-3 | NW | NW | 1940 | | 1060 | | 7 | 2---- |
| SATUJOKULL | 3110 | IS0530 | ISL | 64.92 | -18.83 | 4-3-3 | N | N | 1790 | | 860 | 90.6 | 20 | 2---- |
| SKAFTAFELLSJOKULL | 3113 | IS0419 | ISL | 64.02 | -16.9 | 4-2-3 | SW | SW | 1900 | | 100 | 85 | 18 | 2---- |
| SKEIDARARJOKULL E1 | 3116 | IS0117A | ISL | 64.03 | -17.09 | 4-3-2 | S | S | 1725 | | 100 | 850 | 50 | 2---- |
| SKEIDARARJOKULL E2 | 3117 | IS0117B | ISL | 64.01 | -17.11 | 4-3-2 | S | S | 1725 | | 100 | 850 | 50 | 2---- |
| SKEIDARARJOKULL E3 | 3118 | IS0117C | ISL | 64.01 | -17.14 | 4-3-2 | S | S | 1725 | | 100 | 850 | 50 | 2---- |
| SKEIDARARJOKULL W | 3119 | IS0116 | ISL | 64.01 | -17.37 | 4-3-2 | S | S | 1720 | | 100 | 530 | 45 | 2---- |
| SOLHEIMAJOKULL W | 3122 | IS0113A | ISL | 63.53 | -19.37 | 4-3-3 | SW | SW | 1500 | | 110 | 44 | 15 | 2---- |
| SVINAFELLSJOKULL | 3124 | IS0520A | ISL | 63.99 | -16.88 | 4-2-3 | W | SW | 2110 | | 120 | 24 | 12 | 2---- |
| TUNGNAARJOKULL | 3126 | IS2214 | ISL | 64.32 | -18.07 | 4-3-3 | SW | W | 1680 | 1220 | 690 | 345 | 39 | 23--- |
| VATNAJOKULL | 3754 | | ISL | 64.413 | -16.811 | 3-0-0 | | | 2050 | | 0 | 7708 | 20 | ----6 |
| **IT - Italy** | | | | | | | | | | | | | | |
| AGNELLO MER. | 684 | IT0029 | CEU | 45.147 | 6.9 | 6-4-0 | NE | NE | 3200 | 3010 | 3020 | 0.5 | 1.45 | 2---- |
| ALTA (VEDRETTA) / HOHENF. | 632 | IT0730 | CEU | 46.458 | 10.68 | 5-3-8 | NE | N | 3350 | 3059 | 2690 | 1.800 | 2 | 2---- |
| ANTELAO SUP. | 643 | IT0966 | CEU | 46.45 | 12.27 | 6-3-0 | N | NE | 3130 | 2465 | 2510 | 0.400 | 1.3 | 2---- |
| AOUILLE | 1239 | IT0138 | CEU | 45.525 | 7.151 | 6-4-X | | | 3350 | | 3080 | 0.200 | 0.8 | 2---- |
| ARGUEREY MER. | 1253 | IT0200 | CEU | 45.703 | 6.842 | X-X-X | | | 2850 | | 2700 | 0.200 | 0.6 | 2---- |
| ARGUEREY SETT. | 1254 | IT0201 | CEU | 45.705 | 6.834 | 6-5-X | | | 2900 | | 2580 | 0.5 | 0.9 | 2---- |
| BASEI | 611 | IT0064 | CEU | 45.477 | 7.117 | 6-0-0 | NE | NE | 3320 | | 2950 | 0.400 | 0.8 | 2---- |
| BASSA DELL' ORTLES / ORTLERF. NIEDERER | 1128 | IT0769 | CEU | 46.508 | 10.512 | 5-1-8 | | | 3560 | | 2230 | 2.800 | 3 | 2---- |
| BELVEDERE (MACUGNAGA) | 618 | IT0325 | CEU | 45.950 | 7.911 | 5-2-5 | NE | NE | 4520 | | 1780 | 5.600 | 6.05 | 2---- |
| BERTA | 1295 | IT0036 | CEU | 45.232 | 7.139 | X-X-X | | | 3200 | | 2950 | 0.600 | 0.2 | 2---- |
| BESSANESE | 1297 | IT0040 | CEU | 45.3 | 7.12 | 5-3-2 | SE | SE | 3210 | | 2585 | 1 | 2.55 | 2---- |
| BORS | 2453 | IT0311 | CEU | 45.889 | 7.871 | X-X-X | | | | | | | | 2---- |
| BREUIL SETT. | 1256 | IT0203 | CEU | 45.725 | 6.816 | X-X-X | | | 3000 | | 2900 | 0.600 | 0.8 | 2---- |
| BROGLIO | 2375 | IT0133 | CEU | 45.484 | 7.227 | X-X-X | | | | | | | | 2---- |
| CALDERONE | 1107 | IT1006 | CEU | 42.471 | 13.567 | 6-4-0 | NE | NE | 2830 | 2730 | 2650 | 0 | 0.3 | 23-56 |
| CAMPO SETT. | 1106 | IT0997 | CEU | 46.431 | 10.108 | 6-4-6 | W | W | 3200 | 3000 | 2845 | 0.3 | 0.8 | -3-5- |
| CAPRA | 1304 | IT0061 | CEU | 45.447 | 7.118 | 6-4-X | | | 2790 | | 2480 | 0.200 | 0.9 | 2---- |
| CARESER | 635 | IT0701 | CEU | 46.451 | 10.709 | 6-3-8 | S | S | 3295 | 3076 | 2910 | 1.3 | 1 | -345- |
| CARRO OCCIDENT. | 2358 | IT0060 | CEU | 45.433 | 7.117 | X-X-X | | | | | | | | 2---- |
| CASPOGGIO | 628 | IT0435 | CEU | 46.338 | 9.914 | 6-4-8 | NW | NW | 2985 | 2800 | 2725 | 0.800 | 1.1 | 2---- |
| CASSANDRA OR. | 1185 | IT0411 | CEU | 46.262 | 9.756 | 5-2-X | | | 3100 | | 2915 | 0.400 | 1.8 | 2---- |
| CASTELLI OR. | 1162 | IT0493 | CEU | 46.453 | 10.551 | 6-4-X | | | 3050 | | 2808 | 0.400 | 0.8 | 2---- |
| CEDEC | 1165 | IT0503 | CEU | 46.449 | 10.603 | 5-2-X | | | 3780 | | 2710 | 2.5 | 3 | 2---- |
| CEVEDALE FORCOLA / FUERKELEF. | 663 | IT0731 | CEU | 46.45 | 10.652 | 5-3-8 | E | NE | 3750 | 3105 | 2670 | 2.5 | 3.5 | 2---- |
| CEVEDALE PRINCIPALE / ZUFALLF. | 662 | IT0732 | CEU | 46.458 | 10.627 | 5-3-8 | E | E | 3700 | 3078 | 2650 | 3.200 | 3.7 | 2---- |

| GLACIER_NAME | WGMS_ID | PSFG_NR | REGION | LAT | LON | CODE | EXP-ACC | EXP-ABL | ELEV-MAX | ELEV-MED | ELEV-MIN | AREA | LEN | DATA_TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CHATEAU BLANC | 1251 | IT0181 | CEU | 45.654 | 7.024 | X-X-X | | | 3250 | | 2710 | 2.200 | 2.4 | 2---- |
| CIAMARELLA | 1298 | IT0043 | CEU | 45.326 | 7.133 | 6-4-X | | | 3400 | | 3095 | 0.700 | 0.9 | 2---- |
| CIARDONEY | 1264 | IT0081 | CEU | 45.518 | 7.390 | 6-3-9 | NE | E | 3130 | | 2850 | 0.6 | 1.7 | 234-- |
| COL DELLA MARE I | 1167 | IT0506A | CEU | 46.425 | 10.607 | 5-3-X | | | 3700 | | 2890 | 1 | 2.5 | 2---- |
| COUPE DE MONEY | 1271 | IT0109 | CEU | 45.53 | 7.38 | 6-4-X | | | 3600 | | 2725 | 1.5 | 2 | 2---- |
| CRODA ROSSA / ROTWANDF. | 654 | IT0828 | CEU | 46.733 | 10.984 | 6-3-8 | N | N | 3205 | 3002 | 2790 | 0.200 | 1 | 2---- |
| DISGRAZIA | 2503 | IT0419 | CEU | 46.283 | 9.744 | X-X-X | | | 3000 | | 2620 | | | 2---- |
| DOSDE OR. | 625 | IT0473 | CEU | 46.392 | 10.219 | 6-4-6 | N | N | 3200 | 2850 | 2580 | 0.900 | 1.7 | 2---- |
| DOSEGU | 668 | IT0512 | CEU | 46.374 | 10.548 | 5-2-6 | SW | SW | 3670 | 3260 | 2862 | 3.300 | 2.8 | 2---- |
| DZASSET | 2372 | IT0113 | CEU | 45.538 | 7.274 | X-X-X | | | 3750 | | 2950 | | | 2---- |
| ENTRELOR SETT. | 2377 | IT0140 | CEU | 45.532 | 7.152 | X-X-X | | | | | | | | 2---- |
| FOND OCCID. | 2380 | IT0146 | CEU | 45.476 | 7.074 | X-X-X | | | 3000 | | 2710 | | | 2---- |
| FOND OR. | 1243 | IT0145 | CEU | 45.472 | 7.083 | X-X-X | | | 3300 | | 2720 | 1.100 | 2.1 | 2---- |
| FONTANA BIANCA / WEISSBRUNNF. | 1507 | IT0713 | CEU | 46.484 | 10.771 | 6-4-0 | E | E | 3350 | 3160 | 2850 | 0.4 | 1.151 | 2345- |
| FORNI | 670 | IT0507 | CEU | 46.400 | 10.586 | 5-2-9 | N | NW | 3678 | 3150 | 2510 | 20 | 5 | 2---- |
| FORNO | 2478 | IT0349 | CEU | 46.379 | 8.329 | X-X-X | | | | | | | | 2---- |
| FOURNEAUX | 1294 | IT0027 | CEU | 45.110 | 6.844 | X-X-X | | | 3050 | | 2850 | 0 | 0.6 | 2---- |
| FRANE (VEDR. DELLE) / STEINSCHLAGF. | 2624 | IT0812 | CEU | 46.779 | 10.740 | X-X-X | | | | | | | | 2---- |
| GLAIRETTA VAUDET | 1248 | IT0168 | CEU | 45.507 | 7.019 | 5-X-X | | | 3300 | | 2700 | 3.600 | 3.6 | 2---- |
| GOLETTA | 683 | IT0148 | CEU | 45.497 | 7.055 | 5-2-0 | N | N | 3290 | 3055 | 2760 | 3 | 2.4 | 2---- |
| GRAMES ORIENT. + CENTR. / GRAMSENF. OESTL. + ZENTR. | 2599 | IT0727 | CEU | 46.469 | 10.716 | X-X-X | | | | | | | | 2---- |
| GRAN NEYRON | 1283 | IT0127 | CEU | 45.550 | 7.264 | 5-2-X | | | 3340 | | 2340 | 1.100 | 1.7 | 2---- |
| GRAN PARADISO | 1235 | IT0130 | CEU | 45.515 | 7.254 | 5-3-X | | | 3980 | | 2970 | 0.700 | 1.9 | 2---- |
| GRAN PILASTRO (GHIAC. DEL) / GLIEDERF. | 652 | IT0893 | CEU | 46.973 | 11.717 | 5-3-8 | SW | W | 3370 | 2935 | 2500 | 2.600 | 3.7 | 2---- |
| GRAN VAL | 2374 | IT0115 | CEU | 45.556 | 7.290 | X-X-X | | | | | | | | 2---- |
| GRAN VEDRETTA OCC. / HOCHF. | 2634 | IT0884 | CEU | 46.978 | 11.711 | X-X-X | | | | | | | | 2---- |
| GRAN VEDRETTA OR. / GRIESSF. | 2633 | IT0883 | CEU | 46.981 | 11.719 | X-X-X | | | | | | | | 2---- |
| GRAN ZEBRU (CENTRALE) | 1164 | IT0502 | CEU | 46.470 | 10.571 | X-X-X | | | 3400 | | 2930 | 1 | 1.8 | 2---- |
| GRAND CROUX CENTR. | 1273 | IT0111 | CEU | 45.519 | 7.309 | X-X-X | | | 3300 | | 2560 | 2 | 2.1 | 2---- |
| GRAND ETRET | 1238 | IT0134 | CEU | 45.476 | 7.219 | 5-2-X | | | 3100 | | 2700 | 0.5 | 1.3 | 23-5- |
| GRUETTA ORIENT. | 2418 | IT0232 | CEU | 45.897 | 7.027 | X-X-X | | | | | | | | 2---- |
| HOHSAND SETT. (SABBIONE SETT.) | 631 | IT0357 | CEU | 46.4 | 8.3 | 6-2-0 | NE | E | 3180 | 2860 | 2550 | 2 | 2.87 | 2---- |
| INDREN OCC. | 1209 | IT0306 | CEU | 45.895 | 7.856 | 5-3-X | | | 4100 | | 3050 | 1.700 | 2.5 | 2---- |
| LA MARE (VEDRETTA DE) | 636 | IT0699 | CEU | 46.430 | 10.630 | 5-2-0 | NE | NE | 3586 | 3216 | 2662 | 2.9 | 3.5 | 234-- |
| LAGAUN (Vedretta di) / LAGAUN FERNER | 6823 | IT0805 | CEU | 46.733 | 10.738 | X-X-X | | | | | | | | 2---- |
| LANA (VEDR. DI) / AEUSSERES LAHNER KEES | 650 | IT0913 | CEU | 47.068 | 12.212 | 5-2-9 | NW | NW | 3480 | 2720 | 2310 | 1.700 | 2.9 | 2---- |
| LARES | 1149 | IT0634 | CEU | 46.129 | 10.603 | 6-7-6 | E | NE | 3463 | 3023 | 2600 | 6.200 | 3.7 | 2---- |
| LASA / LAASER F. | 2605 | IT0743 | CEU | 46.539 | 10.697 | X-X-X | | | | | | | | 2---- |
| LAUSON | 1275 | IT0116 | CEU | 45.565 | 7.288 | 6-4-0 | N | N | 3370 | 3100 | 2965 | 0.5 | 1.05 | 2---- |
| LAVACCIU | 1285 | IT0129 | CEU | 45.521 | 7.254 | 5-2-X | | | 3770 | | 2810 | 1.800 | 2.6 | 2---- |
| LAVASSEY | 1242 | IT0144 | CEU | 45.478 | 7.106 | 6-4-X | | | 3130 | | 2700 | 1.5 | 1.9 | 2---- |
| LUNGA (VEDRETTA) / LANGENF. | 661 | IT0733 | CEU | 46.468 | 10.619 | 5-2-9 | NE | E | 3371 | 3143 | 2700 | 1.6 | 2.44 | 2345- |
| LUPO | 1138 | IT0543 | CEU | 46.076 | 9.99 | 6-4-6 | N | NW | 2760 | 2565 | 2435 | 0.2 | 0.7 | -3-5- |
| LYS | 620 | IT0304 | CEU | 45.9 | 7.83 | 5-1-5 | SW | SW | 4530 | 3732 | 2355 | 11.800 | 5.6 | 2---- |
| MADACCIO (VEDR. DEL) / MADATSCHF. | 1129 | IT0771 | CEU | 46.508 | 10.48 | 5-2-X | | | 3450 | | 2280 | 3.200 | 2.2 | 2---- |
| MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | IT0875 | CEU | 46.948 | 11.185 | 5-1-5 | E | E | 3470 | 3007 | 2560 | 6 | 4.02 | 2345- |
| MANDRONE | 664 | IT0639 | CEU | 46.173 | 10.553 | 5-2-0 | NE | NE | 3436 | 3022 | 2530 | 12.400 | 5.38 | 2---- |
| MARMOLADA CENTR. | 676 | IT0941 | CEU | 46.437 | 11.867 | 6-0-6 | N | N | 3340 | 2825 | 2720 | 2.600 | 1.5 | 2---- |
| MARTELOT | 1301 | IT0049 | CEU | 45.379 | 7.171 | 6-5-X | | | 2860 | | 2450 | 0.200 | 0.8 | 2---- |
| MAZIA (VEDR. DI) / MATSCHERF. | 2620 | IT0788 | CEU | 46.783 | 10.719 | X-X-X | | | | | | | | 2---- |
| MONCIAIR | 1237 | IT0132 | CEU | 45.492 | 7.236 | 6-5-X | | | 3230 | | 2850 | 0.5 | 0.7 | 2---- |
| MONCORVE | 1236 | IT0131 | CEU | 45.5 | 7.25 | 6-2-2 | NW | NW | 3642 | 3158 | 2900 | 2.200 | 1.5 | 2---- |
| MONEY | 1272 | IT0110 | CEU | 45.525 | 7.336 | 5-2-X | | | 3600 | | 2515 | 1.900 | 2.6 | 2---- |
| MONTANDEYNE | 1284 | IT0128 | CEU | 45.537 | 7.260 | 6-4-X | | | 3400 | | 3100 | 1.200 | 1.3 | 2---- |
| MONTARSO (VEDR. DI) / FEUERSTEINF. | 2631 | IT0880 | CEU | 46.967 | 11.252 | X-X-X | | | | | | | | 2---- |
| MORION OR. | 1250 | IT0180 | CEU | 45.629 | 7.027 | 5-3-X | | | 3250 | | 2720 | 0.900 | 2.1 | 2---- |
| NEL CENTRALE | 1303 | IT0057 | CEU | 45.419 | 7.167 | 6-5-X | | | 3200 | | 2600 | 1.100 | 1.5 | 2---- |
| NEVES OR. (GHIAC. DI) / NOEFESF. OESTL. | 651 | IT0902 | CEU | 46.98 | 11.8 | 6-3-8 | S | S | 3300 | 2990 | 2655 | 2.300 | 2.2 | 2---- |
| NISCLI | 677 | IT0633 | CEU | 46.113 | 10.608 | 6-3-0 | E | E | 3200 | 2783 | 2590 | 0.700 | 1.5 | 2---- |
| NOASCHETTA OCCID. | 2359 | IT0072A | CEU | 45.504 | 7.278 | X-X-X | | | | | | | | 2---- |
| PALON DELLA MARE LOBO CENTR. | 2533 | IT0506B | CEU | 46.411 | 10.603 | X-X-X | | | 3704 | | | | | 2---- |
| PALON DELLA MARE LOBO OR. | 2534 | IT0506C | CEU | 46.411 | 10.603 | X-X-X | | | | | | | | 2---- |
| PENDENTE (VEDR.) / HANGENDERF. | 675 | IT0876 | CEU | 46.966 | 11.225 | 5-2-0 | S | S | 2980 | 2785 | 2625 | 0.9 | 1.35 | 2345- |
| PERA CIAVAL | 1296 | IT0037 | CEU | 45.227 | 7.094 | 6-5-X | | | 3200 | | 3050 | 0.200 | 0.3 | 2---- |
| PERCIA | 1240 | IT0139 | CEU | 45.471 | 7.201 | 6-4-X | | | 3300 | | 3000 | 0.300 | 0.8 | 2---- |
| PIODE | 619 | IT0312 | CEU | 45.908 | 7.878 | 5-2-0 | SE | SE | 4436 | 3120 | 3470 | 2.5 | 2.65 | 2---- |
| PIZZO FERRE | 1181 | IT0365 | CEU | 46.466 | 9.280 | 5-3-X | | | 2990 | | 2700 | 0.900 | 1.8 | 2---- |
| PIZZO SCALINO | 1187 | IT0443 | CEU | 46.28 | 9.98 | 6-3-6 | N | N | 3100 | 2920 | 2585 | 1.900 | 2.1 | 2---- |
| PLATTES DES CHAMOIS | 1249 | IT0172 | CEU | 45.535 | 7.000 | X-X-X | | | 3560 | | 2700 | 0.700 | 1.3 | 2---- |
| PREDAROSSA | 1182 | IT0408 | CEU | 46.256 | 9.740 | 5-3-X | | | 3400 | | 2625 | 0.900 | 2.5 | 2---- |
| QUAIRA BIANCA (VEDR. DELLA) / WEISSKARF. | 686 | IT0889 | CEU | 46.547 | 10.859 | 5-2-0 | SW | SW | 3509 | 3132 | 2605 | 1.400 | 2.8 | 2---- |
| RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | IT0930 | CEU | 46.903 | 12.096 | 6-3-6 | N | N | 3220 | 3000 | 2750 | 1.7 | 2.1 | 2345- |
| ROCCIA VIVA | 2364 | IT0078 | CEU | 45.514 | 7.333 | X-X-X | | | | | | | | 2---- |
| ROSIM (VEDR. DI) / ROSIMF. | 610 | IT0754 | CEU | 46.525 | 10.640 | 6-3-0 | NW | W | 3405 | 3215 | 2940 | 0.800 | 1.5 | 2---- |
| ROSSO DESTRO | 648 | IT0920 | CEU | 47.03 | 12.2 | 5-3-6 | W | W | 3285 | 2838 | 2520 | 0.900 | 1.7 | 2---- |
| RUTOR | 612 | IT0189 | CEU | 45.5 | 7.002 | 5-2-0 | N | NW | 3460 | 2998 | 2480 | 9.5 | 4.8 | 2---- |
| SALDURA MER. (VEDR. DI) / SALDUR F. SUEDL. | 1131 | IT0794 | CEU | 46.742 | 10.728 | 6-4-X | | | 3350 | | 2850 | 0.400 | 1.3 | 2---- |
| SCERSCEN INFERIORE | 1186 | IT0432 | CEU | 46.355 | 9.852 | 5-2-X | | | 3400 | | 2645 | 7 | 4.5 | 2---- |
| SEA | 1299 | IT0046 | CEU | 45.336 | 7.141 | 5-3-X | | | 3020 | | 2710 | 0.600 | 1.9 | 2---- |
| SENGIE SETT. | 1267 | IT0102 | CEU | 45.536 | 7.402 | X-X-X | | | 3280 | | 2700 | 1 | 1 | 2---- |
| SERANA (VEDR.) / SCHRANF. | 634 | IT0728 | CEU | 46.467 | 10.701 | 6-4-6 | N | N | 3335 | 3085 | 2810 | 1.200 | 1.6 | 2---- |
| SFORZELLINA | 667 | IT0516 | CEU | 46.348 | 10.513 | 6-4-8 | NW | NW | 3120 | 2925 | 2795 | 0.4 | 0.7 | 2---- |
| SISSONE | 2506 | IT0422 | CEU | 46.297 | 9.719 | X-X-X | | | 3100 | | 2625 | | | 2---- |
| SOCHES TSANTELEINA | 1244 | IT0147 | CEU | 45.485 | 7.068 | 6-4-X | | | 3450 | | 2720 | 3.400 | 3.5 | 2---- |
| SOLDA (VEDRETTA DI) / SULDENF. | 660 | IT0762 | CEU | 46.494 | 10.566 | 5-2-7 | NE | NE | 3900 | 2908 | 2410 | 6.5 | 4.2 | 2---- |
| SURETTA MERID. | 2488 | IT0371 | CEU | 46.506 | 9.361 | 6-4-7 | S | S | 2925 | 2770 | 2688 | 0.2 | 0.7 | -3-5- |
| TESSA (VEDR. DI) / TEXELF. | 653 | IT0829 | CEU | 46.73 | 10.98 | 6-3-2 | N | NW | 3300 | 2990 | 2698 | 0.800 | 1.8 | 2---- |
| TIMORION | 1282 | IT0126 | CEU | 45.558 | 7.282 | 6-4-8 | NW | NW | 3485 | 3275 | 3150 | 0.4 | 0.85 | 23--- |
| TORRENT | 2384 | IT0155 | CEU | 45.579 | 7.089 | X-X-X | | | 3100 | | 2660 | | | 2---- |
| TOULES | 614 | IT0221 | CEU | 45.83 | 6.93 | 6-4-0 | SE | SE | 3500 | 3050 | 2679 | 0.900 | 1.65 | 2---- |
| TRAFOI (VEDR. DI) / TRAFOIER F. | 2617 | IT0770 | CEU | 46.503 | 10.497 | X-X-X | | | | | | | | 2---- |
| TRAJO | 1278 | IT0121 | CEU | 45.597 | 7.272 | 5-3-X | | | 3500 | | 2870 | 2.200 | 2.6 | 2---- |
| TRIBOLAZIONE | 1274 | IT0112 | CEU | 45.521 | 7.284 | 6-4-X | | | 3870 | | 2785 | 5.800 | 2.1 | 2---- |

| GLACIER_NAME | WGMS_ID | PSFG_NR | REGION | LAT | LON | CODE | EXP-ACC | EXP-ABL | ELEV-MAX | ELEV-MED | ELEV-MIN | AREA | LEN | DATA_TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ULTIMA (VEDR.) / ULTENMARKTF. | 633 | IT0729 | CEU | 46.465 | 10.690 | 6-4-8 | N | N | 3370 | 3115 | 2780 | 0.5 | 1.2 | 2---- |
| VALEILLE | 1268 | IT0103 | CEU | 45.520 | 7.379 | 5-3-X | | | 3380 | | 2700 | 1.600 | 2.5 | 2---- |
| VALLE DEL VENTO | 649 | IT0919 | CEU | 47.039 | 12.202 | 5-3-8 | NW | NW | 3050 | 2710 | 2445 | 0.400 | 1.2 | 2---- |
| VAUDALETTA | 2379 | IT0142 | CEU | 45.518 | 7.135 | X-X-X | | | | | | | | 2---- |
| VENEROCOLO | 665 | IT0581 | CEU | 46.164 | 10.506 | 5-3-9 | NW | N | 3280 | 2810 | 2570 | 1.5 | 2.2 | 2---- |
| VENTINA | 629 | IT0416 | CEU | 46.27 | 9.77 | 5-3-6 | NE | N | 3500 | 2790 | 2230 | 2.400 | 3.7 | 2---- |
| | | | | | | | | | | | | | | |
| **JP - Japan** | | | | | | | | | | | | | | |
| HAMAGURI YUKI | 897 | JP0001 | ASN | 36.6 | 137.62 | 7-3-0 | NE | NE | 2720 | | 2690 | 0 | 0.07 | -3--- |
| | | | | | | | | | | | | | | |
| **KE - Kenya** | | | | | | | | | | | | | | |
| LEWIS | 695 | KE0008 | TRP | -0.157 | 37.314 | 5-3-3 | SW | SW | 4871 | 4804 | 4650 | 0.1 | 0.58 | -345- |
| | | | | | | | | | | | | | | |
| **KG - Kyrgyzstan** | | | | | | | | | | | | | | |
| ABRAMOV | 732 | KG4101 | ASC | 39.62 | 71.56 | 5-2-8 | N | N | 4918 | 4231 | 3659 | 24 | 7.8 | 2345- |
| BATYSH SOOK/SYEK ZAPADNIY | 781 | KG5082 | ASC | 41.79 | 77.75 | 5-3-8 | N | N | 4471 | 4217 | 3944 | 1.1 | 2.19 | 2345- |
| GLACIER NO. 354 (AKSHIYRAK) | 3889 | | ASC | 41.799 | 78.151 | 5-2-8 | NW | NW | 4679 | 4168 | 3760 | 6.8 | 4.4 | 2345- |
| GLACIER NO. 599 (KJUNGEI ALA-TOO) | 10402 | | ASC | 42.793 | 76.867 | 5-3-8 | NW | W | 4300 | 4034 | 3738 | 1.5 | 2.1 | -345- |
| GOLUBIN | 753 | KG5060 | ASC | 42.46 | 74.495 | 5-3-8 | NW | NW | 4350 | 3837 | 3325 | 5.4 | 4.7 | 2345- |
| KARA-BATKAK | 813 | KG5080 | ASC | 42.14 | 78.27 | 5-3-8 | N | N | 4829 | 3924 | 3275 | 2.5 | 3.21 | 234-- |
| SARY TOR (NO.356) | 805 | KG5106 | ASC | 41.83 | 78.174 | 5-3-8 | NE | NE | 4800 | 4332 | 3950 | 2.6 | 4.05 | 234-- |
| | | | | | | | | | | | | | | |
| **KZ - Kazakhstan** | | | | | | | | | | | | | | |
| TS.TUYUKSUYSKIY | 817 | KZ5075 | ASC | 43.05 | 77.08 | 5-3-6 | N | N | 4219 | 3822 | 3486 | 2.3 | 2.562 | 2345- |
| | | | | | | | | | | | | | | |
| **NO - Norway** | | | | | | | | | | | | | | |
| AALFOTBREEN | 317 | NO36204 | SCA | 61.75 | 5.65 | 4-3-6 | NE | NE | 1368 | 1230 | 890 | 4 | 2.9 | -34-- |
| AUSTDALSBREEN | 321 | NO37323 | SCA | 61.815 | 7.352 | 4-2-4 | SE | SE | 1747 | 1495 | 1200 | 10.6 | 5.7 | -34-- |
| AUSTERDALSBREEN | 288 | NO31220 | SCA | 61.62 | 6.93 | 4-3-8 | SE | SE | 1920 | 1600 | 390 | 26.8 | 8.5 | 2---- |
| AUSTRE OKSTINDBREEN | 3342 | | SCA | 66.019 | 14.294 | X-X-X | N | E | 1710 | | 750 | | 6 | 2---- |
| BLOMSTOELSKARDSBREEN | 3339 | | SCA | 59.949 | 6.332 | X-X-X | SW | SW | 1632 | 1505 | 1012 | 22.4 | | 234-- |
| BOEDALSBREEN | 2291 | NO37219 | SCA | 61.77 | 7.12 | 4-3-8 | NW | N | | | | | | 2---- |
| BOEYABREEN | 2297 | NO33014 | SCA | 61.525 | 6.756 | X-X-X | S | S | | | | | | 2---- |
| BONDHUSBREA | 318 | NO20408 | SCA | 60.03 | 6.33 | 4-3-8 | NW | NW | 1636 | 1545 | 477 | 10.7 | 7.8 | 2---- |
| BREIDABLIKKBREA | | | SCA | 60.07 | 6.37 | | NW | NW | 1648 | 1500 | 1232 | 3.2 | 3.8 | |
| BRENNDALSBREEN | 2293 | NO37109 | SCA | 61.685 | 6.933 | 4-3-8 | W | W | | | | | | 2---- |
| BRIKSDALSBREEN | 314 | NO37110 | SCA | 61.665 | 6.932 | 4-3-8 | W | W | 1910 | 1650 | 350 | 11.9 | 6 | 2---- |
| BUERBREEN | 315 | NO21307 | SCA | 60.033 | 6.402 | 4-3-8 | E | NE | 1640 | | 620 | 15.5 | 7.5 | 2---- |
| CORNELIUSSENBREEN | 3341 | | SCA | 66.003 | 14.37 | 5-3-8 | NE | E | 1620 | | 1080 | | 2.3 | 2---- |
| ENGABREEN | 298 | NO67011 | SCA | 66.65 | 13.85 | 4-3-8 | N | NW | 1544 | 1220 | 111 | 36.2 | 11.5 | 234-- |
| FAABERGSTOELSBREEN | 289 | NO31015 | SCA | 61.72 | 7.23 | 4-3-8 | E | E | 1810 | 1540 | 760 | 15 | 7 | 2---- |
| GRAAFJELLSBREA | 1320 | NO2051 | SCA | 60.083 | 6.399 | 4-3-8 | NW | NW | 1647 | 1500 | 1049 | 8.1 | 5 | 2---- |
| GRAASUBREEN | 299 | NO0547 | SCA | 61.657 | 8.6 | 6-7-6 | NE | E | 2284 | 2085 | 1833 | 2.1 | 2.3 | -34-- |
| HANSEBREEN | 322 | NO36206 | SCA | 61.75 | 5.68 | X-X-X | NE | N | 1310 | 1150 | 927 | 2.8 | 2.5 | -34-- |
| HAUGABREEN | 4568 | NO2298 | SCA | 61.687 | 6.716 | X-X-X | | | | | | 10 | | 2---- |
| HELLSTUGUBREEN | 300 | NO0511 | SCA | 61.56 | 8.44 | 5-1-8 | N | N | 2229 | 1900 | 1482 | 2.9 | 3.4 | 234-- |
| JUVFONNE | 3661 | | SCA | 61.677 | 8.351 | X-X-X | | | 1986 | 1886 | 1841 | 0.2 | 0.335 | 2--5- |
| KOPPANGSBREEN | 2309 | | SCA | 69.689 | 20.147 | X-X-X | | | | | | | | 2---- |
| LANGFJORDJOEKELEN | 323 | NO85008 | SCA | 70.128 | 21.735 | 4-3-8 | SE | E | 1050 | 850 | 302 | 3.2 | 4.2 | 234-- |
| LEIRBREEN | 301 | NO0548 | SCA | 61.57 | 8.1 | X-X-X | NW | NW | 2070 | | 1530 | 4.9 | 3.8 | 2---- |
| MAARAADALSBREEN | 4567 | NO2430 | SCA | 61.933 | 7.422 | X-X-X | | | | | | | | 2---- |
| MIDTDALSBREEN | 2295 | NO4302 | SCA | 60.57 | 7.47 | 4-3-8 | NE | NE | 1862 | 1730 | 1380 | 7.1 | | 2---- |
| NIGARDSBREEN | 290 | NO31014 | SCA | 61.72 | 7.13 | 4-3-8 | SE | SE | 1952 | 1627 | 330 | 46.6 | 9.6 | 234-- |
| REMBESDALSKAAKA | 2296 | NO22303 | SCA | 60.539 | 7.368 | 4-3-8 | W | W | 1854 | 1735 | 1066 | 17.3 | 8.1 | 234-- |
| RUNDVASSBREEN | 2670 | | SCA | 67.299 | 16.057 | 4-X-X | NE | N | 1525 | 1265 | 836 | 10.9 | | 234-- |
| STEGHOLTBREEN | 313 | NO31021 | SCA | 61.801 | 7.314 | 4-3-8 | S | S | 1900 | 1480 | 880 | 15.3 | 7.7 | 2---- |
| STEINDALSBREEN | 2310 | | SCA | 69.393 | 19.902 | X-X-X | E | E | | | | | | 2---- |
| STORBREEN | 302 | NO0541 | SCA | 61.57 | 8.13 | 5-2-6 | NE | NE | 2102 | 1775 | 1400 | 5.1 | 2.93 | 234-- |
| STORE SUPPHELLEBREEN | 287 | NO33014 | SCA | 61.52 | 6.8 | 4-0-8 | S | S | 1730 | | 730 | 12 | 7 | 2---- |
| STORJUVBREEN | 2308 | | SCA | 61.647 | 8.292 | X-X-X | N | N | | | | | | 2---- |
| STORSTEINSFJELLBREEN | 1329 | NO7381 | SCA | 68.22 | 17.92 | 5-2-8 | E | SE | 1850 | 1380 | 970 | 5.9 | 5.3 | 2---- |
| STYGGEBREAN | 4504 | NO2608 | SCA | 61.64479 | 8.34078 | 5-1-X | | | 2415 | 2034 | 1665 | 4.9 | 4 | 2---- |
| STYGGEDALSBREEN | 303 | NO30720 | SCA | 61.473 | 7.885 | 5-2-6 | N | N | 2240 | 1650 | 1270 | 1.8 | 3.2 | 2---- |
| SVELGJABREEN | 3343 | | SCA | 59.945 | 6.283 | X-X-X | SW | SW | 1632 | 1375 | 829 | 22.3 | | 234-- |
| SYDBREEN | 3351 | | SCA | 69.45 | 19.91 | 5-2-8 | NE | E | | | | | | 2---- |
| TROLLBERGDALSBREEN | 316 | NO68507 | SCA | 66.716 | 14.441 | 5-3-8 | SE | SE | 1300 | 1050 | 900 | 1.6 | 2.1 | 2---- |
| TROLLKYRKJEBREEN | 3606 | | SCA | 62.288 | 7.459 | X-X-X | NE | NE | | | | | | 2---- |
| TUFTEBREEN | 3352 | | SCA | 61.67 | 7.14 | 4-3-8 | E | SE | | | | | | 2---- |
| VETLE SUPPHELLEBREEN | 3607 | | SCA | 61.522 | 6.836 | X-X-X | SE | S | | | | | | 2---- |
| | | | | | | | | | | | | | | |
| **NP - Nepal** | | | | | | | | | | | | | | |
| MERA | 3996 | | ASE | 27.72 | 86.885 | 5-0-6 | NE | N | 6420 | 5615 | 4940 | 5.1 | 4.55 | -3--- |
| POKALDE | 3997 | | ASE | 27.9 | 86.8 | 5-4-8 | N | N | 5660 | 5580 | 5430 | 0.1 | 0.47 | -3--- |
| RIKHA SAMBA | 1516 | NP0012 | ASE | 28.82 | 83.49 | 5-3-8 | S | SE | 6515 | 5826 | 5416 | 5.3 | 5.4 | -3--- |
| WEST CHANGRI NUP | 10401 | | ASE | 27.982 | 86.777 | X-X-X | E | SE | 5690 | 5505 | 5330 | 0.900 | | -3--6 |
| YALA | 912 | NP0004 | ASE | 28.25 | 85.62 | 6-3-6 | SW | SW | 5661 | 5372 | 5168 | 1.6 | 1.4 | 234-- |
| | | | | | | | | | | | | | | |
| **NZ - New Zealand** | | | | | | | | | | | | | | |
| ADAMS | 2923 | | NZL | -43.32 | 170.72 | 5-1-8 | W | N | 2470 | 1880 | 1295 | 10 | 6.6 | 2---- |
| ALMER/SALISBURY | 1548 | | NZL | -43.47 | 170.22 | 5-1-8 | W | SW | 2390 | 1865 | 1340 | 3.100 | 2.98 | 2---- |
| ANDY | 1590 | | NZL | -44.43 | 168.37 | 4-1-8 | N | N | 2190 | 1750 | 840 | 10.5 | 7.1 | 2---- |
| ASHBURTON | 1570 | | NZL | -43.37 | 170.97 | 5-3-9 | S | S | 2590 | 2085 | 1575 | 1.700 | 2.5 | 2---- |
| AXIUS | 2283 | | NZL | -44.17 | 168.98 | 6-4-8 | W | W | 2285 | 1920 | 1555 | 0.600 | 1.3 | 2---- |
| BALFOUR | 1604 | | NZL | -43.55 | 170.12 | 5-3-9 | W | W | 3305 | 1525 | 730 | 7 | 9.9 | 2---- |
| BARLOW | 1608 | | NZL | -43.3 | 170.63 | 6-2-9 | W | W | 2440 | 1705 | 1220 | 2.600 | 3.8 | 2---- |
| BLAIR | 1551 | | NZL | -43.95 | 169.72 | 6-7-8 | SE | SE | 2240 | 2015 | 1790 | 0.400 | 0.63 | 2---- |
| BONAR | 1587 | | NZL | -44.4 | 168.72 | 6-2-4 | SW | W | 3025 | 2090 | 1160 | 15.400 | 7.9 | 2---- |
| BREWSTER | 1597 | | NZL | -44.07 | 169.43 | 6-3-8 | SW | SW | 2399 | 2023 | 1676 | 2 | 2.69 | 23--- |
| CAMERON | 1565 | | NZL | -43.33 | 171 | 6-2-9 | SW | SE | 2470 | 1980 | 1380 | 2 | 3.1 | 2---- |
| CROW | 1564 | | NZL | -42.92 | 171.5 | 6-3-6 | SE | S | 2210 | 1940 | 1675 | 0.5 | 1.2 | 2---- |
| DAINTY | 2287 | | NZL | -43.23 | 170.89 | 6-4-8 | W | W | 2330 | 2040 | 1750 | 0.600 | 1.45 | 2---- |
| DART | 898 | | NZL | -44.45 | 168.6 | 5-3-9 | SW | SW | 2470 | 1770 | 1070 | 9.900 | 7.6 | 2---- |
| DISPUTE | 2286 | | NZL | -44.14 | 168.96 | 6-4-8 | E | E | 1720 | 1660 | 1600 | 0.300 | 0.85 | 2---- |
| DONALD | 2284 | | NZL | -44.24 | 168.87 | 6-2-8 | SW | NW | 2440 | 1980 | 1525 | 3.600 | 2.85 | 2---- |
| DONNE | 1585 | | NZL | -44.58 | 168.02 | 6-3-8 | E | SE | 2745 | 1615 | 1220 | 3.5 | 3.6 | 2---- |
| DOUGLAS (KAR.) | 1601 | | NZL | -43.68 | 170 | 5-2-4 | SW | W | 3160 | 1980 | 960 | 11.800 | 7.4 | 2---- |

| GLACIER_NAME | WGMS_ID | PSFG_NR | REGION | LAT | LON | CODE | EXP-ACC | EXP-ABL | ELEV-MAX | ELEV-MED | ELEV-MIN | AREA | LEN | DATA_TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FITZGERALD (GOD) | 2278 | | NZL | -43.47 | 170.57 | 6-3-8 | W | SW | 2530 | 2165 | 1660 | 1.100 | 1.8 | 2---- |
| FOX | 1536 | | NZL | -43.53 | 170.15 | 5-2-8 | NW | W | 3500 | 1900 | 305 | 34.700 | 12.58 | 2---- |
| FRANZ JOSEF | 899 | | NZL | -43.5 | 170.22 | 5-2-8 | NW | NW | 2955 | 1690 | 425 | 32.600 | 10.469 | 2---- |
| FRESHFIELD | 2966 | | NZL | -43.58 | 170.19 | 5-2-9 | E | E | 2285 | 2010 | 1525 | 0.600 | 1.2 | 2---- |
| GLENMARY | 1550 | | NZL | -44 | 169.88 | 6-4-8 | S | S | 2350 | 2180 | 2010 | 0.700 | 1.19 | 2---- |
| GODLEY | 1581 | | NZL | -43.43 | 170.57 | 5-2-4 | S | SW | 2440 | 1785 | 1130 | 15.900 | 8.6 | 2---- |
| GREY & MAUD | 1580 | | NZL | -43.45 | 170.48 | 5-1-4 | SW | S | 2440 | 1750 | 1065 | 10.900 | 7.2 | 2---- |
| GUNN | 1560 | | NZL | -44.76 | 168.09 | 6-3-8 | SE | E | 1860 | 1615 | 1495 | 0.800 | 1.25 | 2---- |
| HORACE WALKER | 1600 | | NZL | -43.67 | 169.97 | 5-3-8 | W | SW | 2455 | 2075 | 945 | 6 | 6.6 | 2---- |
| IVORY | 900 | | NZL | -43.133 | 170.926 | 6-4-4 | S | S | 1730 | 1510 | 1390 | 0.900 | 1.35 | 2---- |
| KAHUTEA | 1569 | | NZL | -43.02 | 171.38 | 6-3-8 | S | SW | 2300 | 2025 | 1740 | 0.800 | 1.6 | 2---- |
| KEA | 1545 | | NZL | -43.18 | 170.8 | 6-4-8 | S | S | 2030 | 1840 | 1650 | 1 | 0.95 | 2---- |
| LA PEROUSE | 1605 | | NZL | -43.57 | 170.12 | 5-3-9 | NW | W | 3320 | 1980 | 855 | 9.5 | 11.15 | 2---- |
| LEEB-LORNTY | 2288 | | NZL | -43.22 | 170.9 | 6-2-8 | W | W | 2635 | 2135 | 1190 | 3.5 | 3.3 | 2---- |
| LYELL | 1567 | | NZL | -43.28 | 170.83 | 5-2-9 | S | E | 2440 | 1720 | 1005 | 10.800 | 6.2 | 2---- |
| MARION | 1591 | | NZL | -44.47 | 168.48 | 6-2-8 | W | N | 2470 | 1905 | 1340 | 7 | 5.1 | 2---- |
| MARMADUKE DIXON | 1541 | | NZL | -42.98 | 171.38 | 6-4-8 | E | SE | 2100 | 1858 | 1615 | 0.800 | 1.7 | 2---- |
| METALILLE | 2998 | | NZL | -43.75 | 170.06 | 6-3-8 | N | N | 2375 | 2180 | 1800 | | 2.3 | 2---- |
| MUELLER | 1575 | | NZL | -43.75 | 170.02 | 5-2-4 | SE | SE | 2895 | 1330 | 760 | 18.5 | 13.65 | 2---- |
| MURCHISON | 1578 | | NZL | -43.52 | 170.4 | 5-2-9 | E | SW | 3155 | 2080 | 1005 | 36.600 | 16.45 | 2---- |
| PARK PASS | 1559 | | NZL | -44.58 | 168.23 | 6-3-8 | S | S | 2200 | 1850 | 1500 | 3 | 2.63 | 2---- |
| ROLLESTON | 1538 | | NZL | -42.89 | 171.526 | 6-4-6 | SE | SE | 1900 | 1795 | 1727 | 0.1 | 0.36 | -3-5- |
| SEPARATION | 2279 | | NZL | -43.48 | 170.58 | 5-2-9 | S | SW | 2560 | 2025 | 1495 | 1.5 | 2.65 | 2---- |
| SIEGE | 1616 | | NZL | -43.27 | 170.53 | 5-3-8 | SE | SE | 2130 | 1750 | 1435 | 1.200 | 3.19 | 2---- |
| SLADDEN | 3611 | | NZL | -43.758 | 170.02 | X-X-X | | | | | | | | 2---- |
| SNOW WHITE | 1588 | | NZL | -44.45 | 168.58 | 5-3-8 | N | E | 2425 | 1950 | 1220 | 5.5 | 5.5 | 2---- |
| SNOWBALL | 1589 | | NZL | -44.45 | 168.52 | 6-3-8 | NW | W | 2345 | 1905 | 1465 | 3.300 | 2.7 | 2---- |
| SOUTH CAMERON | 3019 | | NZL | -43.35 | 170.99 | 6-3-8 | NE | NE | 2620 | 2285 | 1980 | | 1.2 | 2---- |
| ST. JAMES | 2274 | | NZL | -43.28 | 170.89 | 6-2-9 | NE | E | 2377 | 1645 | 1035 | 1 | 2.8 | 2---- |
| STOCKING (TEWAEWAE) | 3023 | | NZL | -43.68 | 170.07 | 6-3-8 | SE | SE | | | | | | 2---- |
| STRAUCHON | 1599 | | NZL | -43.62 | 170.08 | 5-3-4 | W | SW | 2530 | 1745 | 960 | 3.600 | 5.8 | 2---- |
| TASMAN | 1074 | | NZL | -43.52 | 170.32 | 5-2-4 | S | S | 3690 | 2210 | 730 | 98.300 | 28.5 | 2---- |
| THURNEYSON | 1554 | | NZL | -44.17 | 169.6 | 6-2-6 | S | S | 2425 | 2085 | 1720 | 1.800 | 1.23 | 2---- |
| VERTEBRAE 20 | 3033 | | NZL | -43.33 | 170.59 | 4-3-8 | S | S | 1645 | 1450 | 1160 | | 1.8 | 2---- |
| VICTORIA | 3034 | | NZL | -43.5 | 170.17 | 5-3-9 | W | W | 2560 | 1890 | 1065 | 4.5 | 6.5 | 2---- |
| WHITE | 3037 | | NZL | -43 | 171.38 | 6-3-8 | NE | NE | 2320 | 2015 | 1710 | 0.600 | 1.8 | 2---- |
| WHYMPER | 1609 | | NZL | -43.48 | 170.37 | 5-3-9 | NW | NE | 2775 | 1780 | 790 | 6.600 | 7.2 | 2---- |
| **PE - Peru** | | | | | | | | | | | | | | |
| ARTESONRAJU | 3292 | PE0003 | TRP | -8.95 | -77.62 | 5-3-4 | W | W | 6050 | 5332 | 4700 | 3.6 | 3.54 | 234-- |
| GAJAP-YANACARCO | 223 | PE0009 | TRP | -9.83 | -77.17 | 6-3-4 | SE | SE | 5200 | 5033 | 4958 | 1.200 | 0.789 | 2---- |
| PASTORURI | 224 | PE0008 | TRP | -9.9 | -77.17 | 6-3-0 | NW | NW | 5100 | 5095 | 5061 | 1.200 | 0.31 | 2---- |
| URUASHRAJU | 221 | PE0005 | TRP | -9.58 | -77.32 | 5-3-0 | SW | SW | 5650 | 5006 | 4689 | 2.100 | 2.034 | 2---- |
| YANAMAREY | 226 | PE0004 | TRP | -9.653 | -77.271 | 5-2-0 | SW | SW | 5200 | 4961 | 4700 | 0.3 | 1.33 | 234-- |
| **PO - Poland** | | | | | | | | | | | | | | |
| POD BULA | 1617 | PL0111 | CEU | 49.185 | 20.08 | 7-5-6 | NW | NW | 1650 | | 1610 | 0 | 0 | 2---- |
| **RU - Russia** | | | | | | | | | | | | | | |
| DJANKUAT | 726 | RU3010 | CAU | 43.194 | 42.761 | 5-2-9 | N | NW | 3729 | 3280 | 2722 | 2.7 | 3.4 | -3--- |
| GARABASHI | 761 | RU3031 | CAU | 43.3 | 42.47 | 0-0-8 | SE | S | 5000 | 3880 | 3300 | 4.4 | 5.8 | -34-- |
| **SE - Sweden** | | | | | | | | | | | | | | |
| HYLLGLACIAEREN | 344 | SE0780 | SCA | 67.58 | 17.47 | 5-3-8 | N | N | 1820 | | 1360 | 1.100 | 2.1 | 2---- |
| ISFALLSGLACIAEREN | 333 | SE0787 | SCA | 67.915 | 18.568 | 5-3-6 | E | E | 1700 | | 1250 | 1.200 | 1.9 | 2---- |
| KARSOJIETNA | 330 | SE0798 | SCA | 68.358 | 18.321 | 5-3-8 | NE | E | 1500 | 1100 | 960 | 0.900 | 1.6 | 2---- |
| MARMAGLACIAEREN | 1461 | SE0799 | SCA | 68.08 | 18.68 | 5-2-1 | E | E | 1740 | | 1320 | 4 | 3.3 | 234-- |
| MIKKAJEKNA | 338 | SE0766 | SCA | 67.4 | 17.7 | 5-1-8 | S | S | 1825 | | 1000 | 6.900 | 3.7 | 2---- |
| RABOTS GLACIAER | 334 | SE0785 | SCA | 67.91 | 18.5 | 5-2-8 | NW | W | 1930 | | 1080 | 3.7 | 3.7 | -34-- |
| RIUKOJIETNA | 342 | SE0790 | SCA | 68.084 | 18.054 | 3-0-3 | E | E | 1440 | | 1160 | 2.8 | 2.3 | -34-- |
| RUOPSOKJEKNA | 340 | SE0764 | SCA | 67.33 | 17.98 | 5-3-6 | NE | N | 1760 | | 1150 | 3.200 | 3.4 | 2---- |
| RUOTESJEKNA | 337 | SE0767 | SCA | 67.42 | 17.47 | 5-3-8 | NE | N | 1600 | | 1050 | 4.600 | 3.9 | 2---- |
| SALAJEKNA | 341 | SE0759 | SCA | 67.12 | 16.38 | 5-2-8 | SE | S | 1580 | | 900 | 27.900 | 8.6 | 2---- |
| STORGLACIAEREN | 332 | SE0788 | SCA | 67.903 | 18.568 | 5-2-8 | E | E | 1720 | | 1140 | 2.9 | 3.4 | -34-- |
| SUOTTASJEKNA | 336 | SE0768 | SCA | 67.47 | 17.58 | 5-2-8 | NE | N | 1800 | | 1130 | 7.200 | 3.7 | 2---- |
| TARFALAGLACIAEREN | 326 | SE0791 | SCA | 67.935 | 18.645 | 6-7-0 | E | E | 1710 | | 1380 | 1 | 0.7 | -34-- |
| VARTASJEKNA | 339 | SE0765 | SCA | 67.45 | 17.67 | 5-3-8 | NE | NE | 1800 | | 1300 | 4.200 | 3.3 | 2---- |
| **SJ - Svalbard** | | | | | | | | | | | | | | |
| AUSTRE BROEGGERBREEN | 292 | SJ15504 | SJM | 78.888 | 11.831 | 5-2-9 | NW | N | 600 | 260 | 50 | 6.1 | 6 | -3--- |
| AUSTRE LOVENBREEN | 3812 | | SJM | 78.871 | 12.154 | 5-2-2 | N | N | 550 | 355 | 107 | 4.5 | 3.702 | 23--- |
| HANSBREEN | 306 | SJ12419 | SJM | 77.077 | 15.63 | 4-2-4 | S | S | 510 | 255 | 0 | 56.7 | 15.404 | 234-- |
| IRENEBREEN | 2669 | SJ15402 | SJM | 78.665 | 12.125 | X-X-X | NW | SW | 650 | 340 | 125 | 4 | 3.86 | -3--- |
| KONGSVEGEN | 1456 | SJ15510 | SJM | 78.8 | 12.98 | 4-2-4 | NW | NW | 1050 | 500 | 0 | 101.9 | 27 | -3--- |
| KRONEBREEN | 3504 | SJ15511 | SJM | 78.967 | 13.183 | 4-2-4 | S | W | 1361 | | 0 | 370 | | -3--- |
| MIDTRE LOVENBREEN | 291 | SJ15506 | SJM | 78.881 | 12.048 | 5-2-9 | NE | N | 650 | 330 | 50 | 5.4 | 4.8 | -3--- |
| WALDEMARBREEN | 2307 | SJ15403 | SJM | 78.677 | 12.069 | 5-3-8 | NW | SW | 570 | 320 | 100 | 2.5 | 3.3 | -3-5- |
| WERENSKIOLDBREEN | 305 | SJ12501 | SJM | 77.067 | 15.367 | 5-2-8 | S | SW | 750 | 400 | 40 | 27.1 | 8.75 | -34-- |
| **US - United States of America** | | | | | | | | | | | | | | |
| BLACK RAPIDS | 80 | US0222 | ALA | 63.481 | -146.507 | 5-1-7 | N | E | 3200 | 1750 | 800 | 289 | 43 | ---5- |
| BLUE GLACIER | 210 | US2126 | WNA | 47.819 | -123.685 | 5-2-8 | NE | N | 2410 | 1815 | 1380 | 5.7 | 4.3 | -3-5- |
| COLUMBIA (2057) | 76 | US2057 | WNA | 47.964 | -121.349 | 6-4-8 | S | S | 1725 | 1600 | 1450 | 0.8 | 1.53 | 234-- |
| DANIELS | 83 | US2052 | WNA | 47.57 | -121.17 | 6-3-6 | NE | NE | 2300 | 2200 | 2075 | 0.4 | 0.55 | -3--- |
| DEMING | 1368 | US2009 | WNA | 48.766 | -121.830 | X-X-0 | SW | SW | 3230 | 2250 | 1340 | | 5.17 | 2---- |
| EASTON | 1367 | US2008 | WNA | 48.759 | -121.825 | 5-3-8 | SW | S | 2900 | 2200 | 1710 | 2.9 | 3.97 | 23--- |
| EEL | 188 | US2113 | WNA | 47.73 | -123.33 | 5-3-8 | N | N | 2090 | | 1610 | 0.6 | 2 | -3-5- |
| EKLUTNA | 85 | US0391 | ALA | 61.245 | -148.988 | 5-3-8 | N | N | 2100 | 1373 | 580 | 29.5 | 10.2 | -3--6 |
| EKLUTNA EAST BRANCH | 6829 | | ALA | 61.225 | -148.97 | 5-3-8 | N | N | 2100 | | 580 | 13 | 10.2 | -3--6 |
| EKLUTNA WEST BRANCH | 6828 | | ALA | 61.225 | -149.01 | 5-3-8 | N | N | 2100 | | 580 | 16.5 | | -3--6 |
| EMMONS | 203 | US2022 | WNA | 46.85 | -121.72 | 5-3-9 | NE | NE | 4290 | | 1480 | 11.3 | 2.8 | -3-5- |
| GULKANA | 90 | US0200 | ALA | 63.281 | -145.427 | 5-2-9 | S | SW | 2459 | 1840 | 1217 | 16.3 | 7.5 | -3-5- |
| ICE WORM | 82 | US2054 | WNA | 47.55 | -121.17 | 6-4-8 | E | E | 2080 | 2010 | 1900 | 0.1 | 0.46 | -3--- |
| LEMON CREEK | 3334 | | ALA | 58.387 | -134.346 | X-X-X | N | NW | 1400 | 1100 | 750 | 10.3 | 5.94 | 234-- |
| LOWER CURTIS | 77 | US2055 | WNA | 48.826 | -121.622 | 6-4-8 | W | W | 1850 | 1630 | 1485 | 0.8 | 0.72 | 23--- |
| LYNCH | 81 | US2056 | WNA | 47.57 | -121.18 | 6-5-4 | N | N | 2300 | 2185 | 1900 | 0.6 | 0.99 | -3--- |

| GLACIER_NAME | WGMS_ID | PSFG_NR | REGION | LAT | LON | CODE | EXP-ACC | EXP-ABL | ELEV-MAX | ELEV-MED | ELEV-MIN | AREA | LEN | DATA_TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NISQUALLY | 201 | US2027 | WNA | 46.82 | -121.74 | 5-2-9 | S | S | 4380 | | 1480 | 6.7 | 2.9 | -3-5- |
| NOISY CREEK | 1666 | US2078 | WNA | 48.674 | -121.527 | 6-4-8 | N | N | 1920 | 1791 | 1680 | 0.5 | 1.14 | -3-5- |
| NORTH KLAWATTI | 1664 | US2076 | WNA | 48.573 | -121.093 | 5-5-X | SE | SE | 2400 | 1729 | 1730 | 1.5 | 2.77 | -3-5- |
| RAINBOW | 79 | US2003 | WNA | 48.8 | -121.77 | 6-3-8 | E | E | 2040 | 1750 | 1360 | 1.6 | 1.92 | -3--- |
| SANDALEE | 1667 | US2079 | WNA | 48.41 | -120.79 | 6-4-5 | N | N | 2310 | 2154 | 1970 | 0.2 | 0.79 | -3-5- |
| SHOLES | 3295 | | WNA | 48.814 | -121.770 | X-X-X | NE | NE | 1960 | 1820 | 1690 | 0.9 | 0.94 | 23--- |
| SILVER | 1665 | US2077 | WNA | 48.977 | -121.24 | 6-4-8 | N | NE | 2710 | 2405 | 2100 | 0.4 | 0.925 | -3-5- |
| SOUTH CASCADE | 205 | US2013 | WNA | 48.350 | -121.055 | 5-3-8 | N | N | 2135 | 1920 | 1626 | 1.6 | 2.96 | 23-5- |
| SPERRY | 218 | US5001 | WNA | 48.63 | -113.75 | 6-4-8 | NW | NW | 2789 | 2430 | 2261 | 0.8 | 1.21 | -3-5- |
| TAKU | 124 | US1805 | ALA | 58.651 | -134.278 | 4-2-2 | SE | S | 2000 | 1200 | 0 | 756.900 | 58.1 | -3--- |
| WOLVERINE | 94 | US0411 | ALA | 60.417 | -148.904 | 5-3-8 | S | S | 1672 | 1310 | 436 | 15.9 | 8 | -3-5- |
| YAWNING | 75 | US2050 | WNA | 48.447 | -121.031 | 6-5-8 | NE | NE | 2100 | 1970 | 1880 | 0.3 | 0.65 | -3--- |

## APPENDIX - Table 2

VARIATIONS IN GLACIER FRONT POSITIONS 2014–2015

| | | |
|---|---|---|
| PU | Political unit, alphabetic 2-digit country code (cf. www.iso.org) | |
| GLACIER NAME | Name of the glacier in capital letters, cf. Appendix Table 1 | |
| WGMS ID | Key identifier of the glacier, cf. Appendix Table 1 | |
| FROM | Reference date of the survey, in the format YYYYMMDD* | |
| TO | Survey date, in the format YYYYMMDD* | |
| METHOD | Survey platform and method given by alphabetic 2 digit code | |
| | Platform (1st digit, lower case): | Method (2nd digit, upper case): |
| | t: terrestrial | R: reconstructed (e.g., historical sources) |
| | a: airborne | M: derived from maps |
| | s: spaceborne | G: ground survey (e.g., GPS, tachymetry, tape) |
| | c: combined | P: photogrammetry |
| | x: unknown | L: laser altimetry or scanning |
| | | Z: radar altimetry or scanning |
| | | C: combined |
| | | X: other |
| FV | Variation in metres in the position of the glacier front in horizontal projection between reference and survey date | |
| | Qualitative variations are expressed by the following symbols: | |
| | +X: glacier in advance | |
| | -X: glacier in retreat | |
| | ST: glacier stationary | |
| | SN: glacier front covered by snow | |
| INVESTIGATORS (SPONS_AGENCY) | Names of the investigators and their sponsoring agencies (cf. Section 8) | |

*Unknown month or day are each replaced by „99“

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | METHOD | FV | INVESTIGATORS_(SPONS_AGENCY) |
|---|---|---|---|---|---|---|---|
| **AQ - Antarctica** | | | | | | | |
| AQ | BAHIA DEL DIABLO | 2665 | 20149999 | 20149999 | cG | ST | Ermolin E. (IAA-DG), Marinsek S. (IAA-DG), Seco J. (IAA-DG) |
| AQ | BAHIA DEL DIABLO | 2665 | 20149999 | 20159999 | cG | ST | Marinsek S. (IAA-DG), Seco J. (IAA-DG), Ermolin E. (IAA-DG) |
| **AR - Argentina** | | | | | | | |
| AR | BROWN SUPERIOR | 3903 | 20140424 | 20150503 | tG | -17 | Cabrera G. (IANIGLA) |
| AR | CONCONTA NORTE | 3902 | 20140423 | 20150506 | tG | -20 | Cabrera G. (IANIGLA) |
| AR | LOS AMARILLOS | 3904 | 20140305 | 20150399 | sM | -19 | Cabrera G. (IANIGLA) |
| **AT - Austria** | | | | | | | |
| AT | ALPEINER F. | 497 | | 20141003 | | -14 | Schießling P. (ÖAV) |
| AT | ALPEINER F. | 497 | 20141003 | 20151003 | | -14 | Schießling P. (ÖAV) |
| AT | BACHFALLEN F. | 500 | | 20140909 | | -9 | Dünser F., Janz B. (ÖAV) |
| AT | BACHFALLEN F. | 500 | 20140909 | 20150831 | | -27 | Dünser F., Janz B. (ÖAV) |
| AT | BAERENKOPF K. | 567 | | 20140908 | | -7 | Seitlinger G. (ÖAV) |
| AT | BERGLAS F. | 496 | | 20141003 | | -5 | Schießling P. (ÖAV) |
| AT | BERGLAS F. | 496 | 20141003 | 20151003 | | -5 | Schießling P. (ÖAV) |
| AT | BIELTAL F. | 481 | | 20140929 | | -6 | Groß G. (ÖAV) |
| AT | BIELTAL F. | 481 | 20140929 | 20150921 | | -18 | Groß G. (ÖAV) |
| AT | BRENNKOGL K. | 528 | | 20140904 | | -6 | Seitlinger G. (ÖAV) |
| AT | BRENNKOGL K. | 528 | 20140904 | 20150910 | | -17 | Seitlinger G. (ÖAV) |
| AT | DAUNKOGEL F. | 604 | | 20140918 | | -9 | Schießling P. (ÖAV) |
| AT | DAUNKOGEL F. | 604 | 20140918 | 20150918 | | -9 | Schießling P. (ÖAV) |
| AT | DIEM F. | 513 | 20130922 | 20151003 | | -55 | Schöpf R. (ÖAV) |
| AT | EISKAR G. | 1632 | 20070907 | 20150906 | | 7 | Hohenwarter G. jun. (ÖAV) |
| AT | FERNAU F. | 601 | | 20140918 | | -29 | Schießling P. (ÖAV) |
| AT | FERNAU F. | 601 | 20140918 | 20150918 | | -29 | Schießling P. (ÖAV) |
| AT | FIRMISAN F. | 4337 | | 20140909 | | -7 | Strudl M. (ÖAV) |
| AT | FIRMISAN F. | 4337 | 20140909 | 20150916 | | -33 | Strudl M. (ÖAV) |
| AT | FREIWAND K. | 564 | 20130910 | 20150916 | | -30 | Lieb G. K. (ÖAV) |
| AT | FROSNITZ K. | 579 | | 20140919 | | -8 | Lang J. (ÖAV) |
| AT | FROSNITZ K. | 579 | 20140919 | 20150827 | | -30 | Lang J. (ÖAV) |
| AT | GAISKAR F. | 530 | | 20140918 | | -5 | Dünser F., Janz B. (ÖAV) |
| AT | GAISKAR F. | 530 | 20140918 | 20150830 | | -16 | Dünser F., Janz B. (ÖAV) |
| AT | GAISSBERG F. | 508 | | 20140907 | | -2 | Schöpf R. (ÖAV) |
| AT | GAISSBERG F. | 508 | 20140907 | 20150929 | | -13 | Schöpf R. (ÖAV) |
| AT | GEPATSCH F. | 522 | | 20140917 | | -91 | Noggler B. (ÖAV) |
| AT | GEPATSCH F. | 522 | 20140917 | 20151011 | | -122 | Noggler B. (ÖAV) |
| AT | GOESSNITZ K. | 532 | | 20140917 | | -3 | Krobath M. (ÖAV) |
| AT | GOESSNITZ K. | 532 | 20140917 | 20150831 | | -4 | Krobath M. (ÖAV) |
| AT | GOLDBERG K. | 1305 | | 20140928 | | -3 | Binder D. (ZAMG) |
| AT | GOLDBERG K. | 1305 | 20140928 | 20151005 | | -8 | Binder D. (ZAMG) |
| AT | GR. GOSAU G. | 536 | | 20140828 | | -3 | Reingruber K. (ÖAV) |
| AT | GR. GOSAU G. | 536 | 20140828 | 20150828 | | -10 | Reingruber K. (ÖAV) |
| AT | GROSSELEND K. | 542 | | 20140825 | | -9 | Knittel A. (ÖAV) |
| AT | GROSSELEND K. | 542 | 20140825 | 20150824 | | -3 | Knittel A. (ÖAV) |
| AT | GURGLER F. | 511 | | 20140905 | | 2 | Schöpf R. (ÖAV) |
| AT | GURGLER F. | 511 | 20140905 | 20150922 | | -12 | Schöpf R. (ÖAV) |
| AT | GUSLAR F. | 490 | | 20140829 | | -18 | Span N. (ÖAV) |
| AT | GUSLAR F. | 490 | 20140829 | 20150820 | | -18 | Span N. (ÖAV) |
| AT | HALLSTAETTER G. | 535 | | 20140919 | | -7 | Weichinger M., Reingruber K. (ÖAV) |
| AT | HALLSTAETTER G. | 535 | 20140919 | 20150928 | | -22 | Weichinger M., Reingruber K. (ÖAV) |
| AT | HINTEREIS F. | 491 | | 20140827 | | -20 | Span N. (ÖAV) |
| AT | HINTEREIS F. | 491 | 20140827 | 20150818 | | -31 | Span N. (ÖAV) |
| AT | HOCHALM K. | 538 | | 20140814 | | -11 | Knittel A. (ÖAV) |
| AT | HOCHALM K. | 538 | 20140814 | 20150823 | | -10 | Knittel A. (ÖAV) |
| AT | HOCHJOCH F. | 492 | | 20140826 | | -23 | Span N. (ÖAV) |
| AT | HOCHJOCH F. | 492 | 20140826 | 20150817 | | -27 | Span N. (ÖAV) |
| AT | HORN K. (SCHOB.) | 531 | | 20140917 | | -3 | Krobath M. (ÖAV) |
| AT | HORN K. (SCHOB.) | 531 | 20140917 | 20150831 | | -9 | Krobath M. (ÖAV) |
| AT | HORN K. (ZILLER) | 589 | | 20141020 | | -15 | Friedrich R. (ÖAV) |
| AT | HORN K. (ZILLER) | 589 | 20141020 | 20150930 | | -136 | Friedrich R. (ÖAV) |
| AT | INN. PIRCHLKAR | 505 | | 20141019 | | -7 | Schöpf R. (ÖAV) |
| AT | INN. PIRCHLKAR | 505 | 20141019 | 20150913 | | -18 | Schöpf R. (ÖAV) |
| AT | JAMTAL F. | 480 | | 20140908 | | -7 | Groß G. (ÖAV) |
| AT | JAMTAL F. | 480 | 20140908 | 20150916 | | -20 | Groß G. (ÖAV) |
| AT | KAELBERSPITZ K. | 540 | | 20140826 | | -9 | Knittel A. (ÖAV) |
| AT | KAELBERSPITZ K. | 540 | 20140826 | 20150825 | | -10 | Knittel A. (ÖAV) |
| AT | KALSER BAERENKOPF K. | 2676 | | 20140906 | | 1 | Seitlinger G. (ÖAV) |
| AT | KALSER BAERENKOPF K. | 2676 | 20140906 | 20150911 | | -6 | Seitlinger G. (ÖAV) |
| AT | KARLINGER K. | 568 | | 20140908 | | -6 | Seitlinger G. (ÖAV) |
| AT | KLEINEISER K. | 555 | | 20150912 | | -10 | Seitlinger G. (ÖAV) |
| AT | KLEINELEND K. | 541 | | 20140826 | | 6 | Knittel A. (ÖAV) |
| AT | KLEINELEND K. | 541 | 20140826 | 20150825 | | -6 | Knittel A. (ÖAV) |
| AT | KLEINFLEISS K. | 547 | | 20140927 | | 3 | Binder D. (ZAMG) |
| AT | KLEINFLEISS K. | 547 | 20140927 | 20151006 | | -7 | Binder D. (ZAMG) |
| AT | KLOSTERTALER M | 485 | | 20140907 | | -3 | Groß G. (ÖAV) |
| AT | KLOSTERTALER M | 485 | 20140907 | 20151002 | | -8 | Groß G. (ÖAV) |
| AT | KRIMMLER K. | 584 | | 20140909 | | -5 | Lang J. (ÖAV) |
| AT | KRIMMLER K. | 584 | 20140909 | 20150909 | | -12 | Lang J. (ÖAV) |
| AT | LANDECK K. | 569 | | 20150917 | | -18 | Seitlinger G. (ÖAV) |
| AT | LANGTALER F. | 510 | | 20140905 | | 0 | Schöpf R. (ÖAV) |
| AT | LANGTALER F. | 510 | 20140905 | 20150922 | | -18 | Schöpf R. (ÖAV) |
| AT | LATSCH F. | 4338 | | 20140909 | | -22 | Strudl M. (ÖAV) |
| AT | LATSCH F. | 4338 | 20140909 | 20150916 | | -21 | Strudl M. (ÖAV) |
| AT | MARZELL F. | 515 | | 20140917 | | -16 | Schöpf R. (ÖAV) |
| AT | MARZELL F. | 515 | 20140917 | 20150919 | | -13 | Schöpf R. (ÖAV) |
| AT | MAURER K. (GLO.) | 558 | | 20141007 | | -4 | Seitlinger G. (ÖAV) |
| AT | MAURER K. (GLO.) | 558 | 20141007 | 20150916 | | -7 | Seitlinger G. (ÖAV) |
| AT | MITTERKAR F. | 487 | 20130902 | 20150912 | | -9 | Schöpf R. (ÖAV) |
| AT | MUTMAL F. | 506 | | 20140918 | | -19 | Schöpf R. (ÖAV) |
| AT | MUTMAL F. | 506 | 20140918 | 20150919 | | -5 | Schöpf R. (ÖAV) |
| AT | NIEDERJOCH F. | 516 | | 20140917 | | -16 | Schöpf R. (ÖAV) |
| AT | NIEDERJOCH F. | 516 | 20140917 | 20150919 | | -88 | Schöpf R. (ÖAV) |
| AT | OCHSENTALER G. | 483 | | 20140906 | | -20 | Groß G. (ÖAV) |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | METHOD | FV | INVESTIGATORS_(SPONS_AGENCY) |
|---|---|---|---|---|---|---|---|
| AT | OCHSENTALER G. | 483 | 20140906 | 20150831 | | -18 | Groß G. (ÖAV) |
| AT | OEDENWINKEL K. | 559 | | 20140919 | | -16 | Seitlinger G. (ÖAV) |
| AT | OEDENWINKEL K. | 559 | 20140919 | 20150830 | | -22 | Seitlinger G. (ÖAV) |
| AT | PASTERZE | 566 | | 20140908 | | -54 | Lieb G. K. (ÖAV) |
| AT | PASTERZE | 566 | 20140908 | 20150917 | | -54 | Lieb G. K. (ÖAV) |
| AT | PFAFFEN F. | 591 | | 20140917 | | -3 | Dünser F., Janz B. (ÖAV) |
| AT | PFAFFEN F. | 591 | 20140917 | 20150830 | | -11 | Dünser F., Janz B. (ÖAV) |
| AT | RETTENBACH F. | 488 | | 20140921 | | -3 | Schöpf R. (ÖAV) |
| AT | RETTENBACH F. | 488 | 20140921 | 20150906 | | -29 | Schöpf R. (ÖAV) |
| AT | ROFENKAR F. | 518 | | 20140910 | | 5 | Schöpf R. (ÖAV) |
| AT | ROFENKAR F. | 518 | 20140910 | 20150912 | | -9 | Schöpf R. (ÖAV) |
| AT | ROTER KNOPF K. | 3297 | | 20140917 | | 0 | Krobath M. (ÖAV) |
| AT | ROTER KNOPF K. | 3297 | 20140917 | 20150901 | | 0 | Krobath M. (ÖAV) |
| AT | ROTMOOS F. | 509 | | 20140906 | | -3 | Schöpf R. (ÖAV) |
| AT | ROTMOOS F. | 509 | 20140906 | 20150929 | | -15 | Schöpf R. (ÖAV) |
| AT | SCHALF F. | 514 | | 20140918 | | -23 | Schöpf R. (ÖAV) |
| AT | SCHALF F. | 514 | 20140918 | 20150919 | | -56 | Schöpf R. (ÖAV) |
| AT | SCHLADMINGER G. | 534 | | 20140928 | | -1 | Weichinger M. (ÖAV) |
| AT | SCHLADMINGER G. | 534 | 20140928 | 20151006 | | -2 | Weichinger M. (ÖAV) |
| AT | SCHLATEN K. | 580 | | 20140916 | | -15 | Lang J. (ÖAV) |
| AT | SCHLATEN K. | 580 | 20140916 | 20150922 | | -60 | Lang J. (ÖAV) |
| AT | SCHMIEDINGER K. | 548 | | 20140905 | | -15 | Seitlinger G. (ÖAV) |
| AT | SCHMIEDINGER K. | 548 | 20140905 | 20150909 | | -40 | Seitlinger G. (ÖAV) |
| AT | SCHNEEGLOCKEN | 525 | | 20140907 | | -9 | Groß G. (ÖAV) |
| AT | SCHNEEGLOCKEN | 525 | 20140907 | 20150831 | | -12 | Groß G. (ÖAV) |
| AT | SCHNEELOCH G. | 533 | | 20140829 | | 0 | Reingruber K. (ÖAV) |
| AT | SCHNEELOCH G. | 533 | 20140829 | 20150827 | | -2 | Reingruber K. (ÖAV) |
| AT | SCHWARZENBERG F. | 501 | | 20140906 | | -1 | Dünser F., Janz B. (ÖAV) |
| AT | SCHWARZENBERG F. | 501 | 20140906 | 20150910 | | -11 | Dünser F., Janz B. (ÖAV) |
| AT | SCHWARZKARL K. | 556 | | 20140917 | | -1 | Seitlinger G. (ÖAV) |
| AT | SCHWARZKARL K. | 556 | 20140917 | 20150912 | | -27 | Seitlinger G. (ÖAV) |
| AT | SCHWEIKERT F. | 4336 | | 20140918 | | -10 | Strudl M. (ÖAV) |
| AT | SCHWEIKERT F. | 4336 | 20140918 | 20150911 | | -17 | Strudl M. (ÖAV) |
| AT | SEXEGERTEN F. | 520 | | 20140919 | | -16 | Noggler B. (ÖAV) |
| AT | SEXEGERTEN F. | 520 | 20140919 | 20151010 | | -16 | Noggler B. (ÖAV) |
| AT | SIMILAUN F. | 3296 | | 20140917 | | -8 | Schöpf R. (ÖAV) |
| AT | SIMILAUN F. | 3296 | 20140917 | 20150919 | | -20 | Schöpf R. (ÖAV) |
| AT | SIMONY K. | 575 | | 20140919 | | -8 | Lang J. (ÖAV) |
| AT | SIMONY K. | 575 | 20140919 | 20150826 | | -6 | Lang J. (ÖAV) |
| AT | SPIEGEL F. | 512 | | 20140926 | | -8 | Schöpf R. (ÖAV) |
| AT | SPIEGEL F. | 512 | 20130922 | 20151003 | | -8 | Schöpf R. (ÖAV) |
| AT | STUBACHER SONNBLICK K. | 573 | | 20140919 | | -5 | Seitlinger G. (ÖAV) |
| AT | STUBACHER SONNBLICK K. | 573 | 20140919 | 20150922 | | -12 | Seitlinger G. (ÖAV) |
| AT | SULZTAL F. | 503 | | 20140906 | | -7 | Dünser F., Janz B. (ÖAV) |
| AT | SULZTAL F. | 503 | 20140906 | 20150830 | | -15 | Dünser F., Janz B. (ÖAV) |
| AT | TASCHACH F. | 519 | | 20140919 | | -4 | Noggler B. (ÖAV) |
| AT | TASCHACH F. | 519 | 20140919 | 20151010 | | -101 | Noggler B. (ÖAV) |
| AT | TOTENFELD | 524 | | 20140908 | | -6 | Groß G. (ÖAV) |
| AT | TOTENFELD | 524 | 20140908 | 20150916 | | -23 | Groß G. (ÖAV) |
| AT | TOTENKOPF K. | 2680 | | 20140920 | | -2 | Seitlinger G. (ÖAV) |
| AT | TOTENKOPF K. | 2680 | 20140920 | 20150912 | | -5 | Seitlinger G. (ÖAV) |
| AT | TRIEBENKARLAS F. | 592 | | 20140917 | | -13 | Dünser F., Janz B. (ÖAV) |
| AT | TRIEBENKARLAS F. | 592 | 20140917 | 20150829 | | -36 | Dünser F., Janz B. (ÖAV) |
| AT | UMBAL K. | 574 | | 20140920 | | -22 | Lang J. (ÖAV) |
| AT | UMBAL K. | 574 | 20140920 | 20150826 | | -25 | Lang J. (ÖAV) |
| AT | UNT. RIFFL K. | 605 | | 20140907 | | -2 | Seitlinger G. (ÖAV) |
| AT | UNT. RIFFL K. | 605 | 20140907 | 20150913 | | -11 | Seitlinger G. (ÖAV) |
| AT | UNTERSULZBACH K. | 582 | | 20140918 | | -14 | Lang J. (ÖAV) |
| AT | UNTERSULZBACH K. | 582 | 20140918 | 20150916 | | -50 | Lang J. (ÖAV) |
| AT | VERBORGENBERG F. | 593 | | 20141003 | | -1 | Schießling P. (ÖAV) |
| AT | VERBORGENBERG F. | 593 | 20141003 | 20151003 | | -1 | Schießling P. (ÖAV) |
| AT | VERMUNT G. | 482 | | 20140906 | | -8 | Groß G. (ÖAV) |
| AT | VERMUNT G. | 482 | 20140906 | 20150912 | | -26 | Groß G. (ÖAV) |
| AT | VERNAGT F. | 489 | | 20140829 | | -16 | Span N. (ÖAV) |
| AT | VERNAGT F. | 489 | 20140829 | 20150820 | | -23 | Span N. (ÖAV) |
| AT | VILTRAGEN K. | 581 | | 20140916 | | -43 | Lang J. (ÖAV) |
| AT | VILTRAGEN K. | 581 | 20140916 | 20150922 | | -27 | Lang J. (ÖAV) |
| AT | W. TRIPP K. | 539 | | 20140827 | | 9 | Knittel A. (ÖAV) |
| AT | W. TRIPP K. | 539 | 20140827 | 20150826 | | -22 | Knittel A. (ÖAV) |
| AT | WASSERFALLWINKL | 565 | | 20140909 | | -12 | Lieb G. K. (ÖAV) |
| AT | WASSERFALLWINKL | 565 | 20140909 | 20150916 | | -33 | Lieb G. K. (ÖAV) |
| AT | WAXEGG K. | 590 | | 20141020 | | -8 | Friedrich R. (ÖAV) |
| AT | WAXEGG K. | 590 | 20141020 | 20150829 | | -20 | Friedrich R. (ÖAV) |
| AT | WEISSEE F. | 523 | | 20140917 | | -25 | Noggler B. (ÖAV) |
| AT | WEISSEE F. | 523 | 20140917 | 20151011 | | -24 | Noggler B. (ÖAV) |
| AT | WILDGERLOS | 587 | | 20140921 | | -21 | Slupetzky W. (ÖAV) |
| AT | WILDGERLOS | 587 | 20140921 | 20150806 | | -14 | Slupetzky W. (ÖAV) |
| AT | WINKL K. | 537 | | 20140827 | | -19 | Knittel A. (ÖAV) |
| AT | WINKL K. | 537 | 20140827 | 20150826 | | 5 | Knittel A. (ÖAV) |
| AT | WURTEN K. | 545 | 20131008 | 20140929 | tG | 0 | Binder D., Reisenhofer S. (ZAMG) |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | | 20140906 | | -2 | Lang J. (ÖAV) |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 20140906 | 20150827 | | -30 | Lang J. (ÖAV) |
| **BO - Bolivia** | | | | | | | |
| BO | ZONGO | 1503 | 20130918 | 20150916 | cC | -27 | Soruco A. (UMSA), Rabatel A. (LGGE), Sicart J. (IRD), Condom T. (IRD), Ginot P. (IRD) |
| **CH - Switzerland** | | | | | | | |
| CH | ALBIGNA | 1674 | 20130927 | 20140902 | t | -15 | Blum M. (GR-Forest) |
| CH | ALBIGNA | 1674 | 20140902 | 20150904 | t | -17 | Keiser M. (GR-Forest) |
| CH | ALLALIN | 394 | 20130904 | 20141002 | a | -9 | Bauder A. (VAW) |
| CH | ALLALIN | 394 | 20141002 | 20150921 | a | -16 | Bauder A. (VAW) |
| CH | ALPETLI (KANDER) | 439 | 20130921 | 20140923 | t | -24 | Burgener U. (BE-Forest) |
| CH | ALPETLI (KANDER) | 439 | 20140923 | 20159029 | t | -24 | Burgener U. (BE-Forest) |
| CH | AMMERTEN | 435 | 20130922 | 20140911 | t | 0 | Hodel W. (private) |
| CH | AMMERTEN | 435 | 20140911 | 20150920 | t | -3 | Hodel W. (private) |
| CH | AROLLA (BAS) | 377 | 20131028 | 20140929 | t | -15 | Fellay F. (VS-Forest) |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | METHOD | FV | INVESTIGATORS_(SPONS_AGENCY) |
|---|---|---|---|---|---|---|---|
| CH | AROLLA (BAS) | 377 | 20140929 | 20151021 | t | -16 | Fellay F. (VS-Forest) |
| CH | BASODINO | 463 | 20120911 | 20140909 | t | -9 | Soldati M. (TI-Forest) |
| CH | BASODINO | 463 | 20140909 | 20150929 | t | -25 | Soldati M. (TI-Forest) |
| CH | BIFERTEN | 422 | 20130824 | 20141004 | t | -49 | Klauser H. (private) |
| CH | BIFERTEN | 422 | 20141004 | 20151003 | t | 18 | Klauser H. (private) |
| CH | BLUEMLISALP | 436 | 20130923 | 20140924 | t | -101 | Burgener U. (BE-Forest) |
| CH | BLUEMLISALP | 436 | 20140924 | 20150921 | t | -39 | Burgener U. (BE-Forest) |
| CH | BOVEYRE | 459 | 20131017 | 20141017 | t | -27 | Medico J. (VS-Forest) |
| CH | BOVEYRE | 459 | 20141017 | 20151019 | t | -27 | Medico J. (VS-Forest) |
| CH | BRENEY | 368 | 20130921 | 20140903 | t | -6 | Chabloz J. (private) |
| CH | BRENEY | 368 | 20140903 | 20150830 | t | -35 | Chabloz J. (private) |
| CH | BRESCIANA | 465 | 20110912 | 20141003 | t | -29 | Soldati M. (TI-Forest) |
| CH | BRUNEGG | 384 | 20140908 | 20151007 | t | -22 | Brigger A. (VS-Forest) |
| CH | BRUNNI | 427 | 20090928 | 20140828 | t | -4 | Planzer M. (UR-Forest) |
| CH | BRUNNI | 427 | 20140828 | 20150826 | t | -4 | Planzer M. (UR-Forest) |
| CH | CALDERAS | 403 | 20130815 | 20140825 | t | -3 | Bott G. (GR-Forest) |
| CH | CALDERAS | 403 | 20140825 | 20151005 | t | -6 | Godly G. (GR-Forest) |
| CH | CAMBRENA | 399 | 20130926 | 20140930 | t | -6 | Berchier G. (GR-Forest) |
| CH | CAMBRENA | 399 | 20140930 | 20150818 | t | -7 | Berchier G. (GR-Forest) |
| CH | CAVAGNOLI | 464 | 20120910 | 20140911 | t | 0 | Soldati M. (TI-Forest) |
| CH | CAVAGNOLI | 464 | 20140911 | 20150930 | t | -13 | Soldati M. (TI-Forest) |
| CH | CHEILLON | 375 | 20131008 | 20141031 | t | -11 | Bourdin O. (VS-Forest) |
| CH | CHEILLON | 375 | 20141031 | 20150930 | t | -15 | Bourdin O. (VS-Forest) |
| CH | CORBASSIERE | 366 | 20130813 | 20141002 | a | -53 | Bauder A. (VAW) |
| CH | CORBASSIERE | 366 | 20141002 | 20150921 | a | -24 | Bauder A. (VAW) |
| CH | CORNO | 468 | 20131002 | 20141020 | t | -16 | Soldati M. (TI-Forest) |
| CH | CORNO | 468 | 20141020 | 20150901 | t | -16 | Soldati M. (TI-Forest) |
| CH | CROSLINA | 1681 | 20120914 | 20140915 | t | -2 | Soldati M. (TI-Forest) |
| CH | CROSLINA | 1681 | 20140915 | 20150928 | t | -4 | Soldati M. (TI-Forest) |
| CH | DAMMA | 429 | 20130906 | 20140920 | t | -9 | Planzer M. (UR-Forest) |
| CH | DAMMA | 429 | 20140920 | 20150922 | t | -26 | Planzer M. (UR-Forest) |
| CH | EIGER | 442 | 20130920 | 20140915 | t | -7 | Zumstein R. (BE-Forest) |
| CH | EIGER | 442 | 20140915 | 20150925 | t | -12 | Schai R. (BE-Forest) |
| CH | FEE NORTH | 392 | 20130926 | 20140924 | t | -21 | Andenmatten U. (VS-Forest) |
| CH | FEE NORTH | 392 | 20140924 | 20151002 | t | -45 | Andenmatten U. (VS-Forest) |
| CH | FERPECLE | 379 | 20131025 | 20141009 | t | -13 | Fellay F. (VS-Forest) |
| CH | FERPECLE | 379 | 20141009 | 20151022 | t | -25 | Fellay F. (VS-Forest) |
| CH | FIESCHER | 471 | 20121109 | 20150828 | a | -210 | Bauder A. (VAW) |
| CH | FINDELEN | 389 | 20130820 | 20140827 | a | -33 | Bauder A. (VAW) |
| CH | FINDELEN | 389 | 20140827 | 20150805 | a | -62 | Bauder A. (VAW) |
| CH | FIRNALPELI | 424 | 20120925 | 20140828 | t | 8 | Meier M. (OW-Forest) |
| CH | FIRNALPELI | 424 | 20140828 | 20150910 | t | 0 | Jäggi M. (OW-Forest) |
| CH | FORNO | 396 | 20130909 | 20140904 | t | -15 | Blum M. (GR-Forest) |
| CH | FORNO | 396 | 20140904 | 20150902 | t | -35 | Keiser M. (GR-Forest) |
| CH | GAMCHI | 440 | 20130928 | 20140927 | t | -50 | Descloux R. (BE-Forest) |
| CH | GAMCHI | 440 | 20140927 | 20151001 | t | -387 | Descloux R. () |
| CH | GAULI | 449 | 20130921 | 20140912 | t | -51 | Rohrer D. (BE-Forest) |
| CH | GAULI | 449 | 20140912 | 20150921 | t | -13 | Rohrer D. (BE-Forest) |
| CH | GIETRO | 367 | 20130904 | 20141002 | a | -7 | Bauder A. (VAW) |
| CH | GIETRO | 367 | 20141002 | 20150921 | a | -17 | Bauder A. (VAW) |
| CH | GLAERNISCH | 418 | 20130817 | 20140906 | t | -7 | Klauser H. (private) |
| CH | GLAERNISCH | 418 | 20140906 | 20150929 | t | -34 | Klauser H. (private) |
| CH | GORNER | 391 | 20131021 | 20141003 | t | -30 | Walther S. (VS-Forest) |
| CH | GORNER | 391 | 20141003 | 20150921 | t | -72 | Walther S. (VS-Forest) |
| CH | GRAND DESERT | 373 | 20130922 | 20140920 | t | -6 | Vouillamoz F. (VS-Forest) |
| CH | GRAND DESERT | 373 | 20140920 | 20150919 | t | -13 | Vouillamoz F. (VS-Forest) |
| CH | GRAND PLAN NEVE | 455 | 20130927 | 20140912 | t | -4 | Marlètaz J. (VD-Forest) |
| CH | GRAND PLAN NEVE | 455 | 20140912 | 20151002 | t | -12 | Marlètaz J. (VD-Forest) |
| CH | GRIES | 359 | 20130821 | 20140923 | a | -38 | Bauder A. (VAW) |
| CH | GRIES | 359 | 20140923 | 20150831 | a | -42 | Bauder A. (VAW) |
| CH | GRIESS (KLAUSEN) | 425 | 20130925 | 20141003 | t | -8 | Annen B. (UR-Forest) |
| CH | GRIESS (KLAUSEN) | 425 | 20141003 | 20151001 | t | -13 | Annen B. (UR-Forest) |
| CH | GRIESSEN (OBWALDEN) | 423 | 20120923 | 20140819 | t | -8 | Meier M. (OW-Forest) |
| CH | GRIESSEN (OBWALDEN) | 423 | 20140819 | 20151002 | t | -15 | Jäggi M. (OW-Forest) |
| CH | GROSSER ALETSCH | 360 | 20130821 | 20140822 | a | -32 | Bauder A. (VAW) |
| CH | GROSSER ALETSCH | 360 | 20140822 | 20150826 | a | -54 | Bauder A. (VAW) |
| CH | HINTERSULZFIRN | 419 | 20131002 | 20141009 | t | -8 | Schaller M. (GL-Forest) |
| CH | HINTERSULZFIRN | 419 | 20141009 | 20151012 | t | 6 | Kamm S. (GL-Forest) |
| CH | HOHLAUB | 3332 | 20130904 | 20141002 | a | -2 | Bauder A. (VAW) |
| CH | HOHLAUB | 3332 | 20141002 | 20150921 | a | -4 | Bauder A. (VAW) |
| CH | KALTWASSER | 363 | 20130926 | 20140926 | t | -14 | Schmidhalter M. (VS-Forest) |
| CH | KALTWASSER | 363 | 20140926 | 20150930 | t | -6 | Schmidhalter M. (VS-Forest) |
| CH | KEHLEN | 431 | 20130905 | 20140919 | t | -303 | Planzer M. (UR-Forest) |
| CH | KEHLEN | 431 | 20140919 | 20150921 | t | -31 | Planzer M. (UR-Forest) |
| CH | KESSJEN | 393 | 20130904 | 20141002 | a | -4 | Bauder A. (VAW) |
| CH | KESSJEN | 393 | 20141002 | 20150921 | a | -3 | |
| CH | LAEMMERN (WILDSTRUBEL) | 437 | 20130914 | 20140929 | t | -12 | Coleman Brantschen E. (BE-Forest) |
| CH | LAEMMERN (WILDSTRUBEL) | 437 | 20140929 | 20150911 | t | -16 | Coleman Brantschen E. (BE-Forest) |
| CH | LANG | 386 | 20131009 | 20140904 | t | -14 | Henzen H. (VS-Forest) |
| CH | LANG | 386 | 20140904 | 20151110 | t | -16 | Henzen H. (VS-Forest) |
| CH | LAVAZ | 416 | 20130830 | 20140917 | t | -3 | Lutz R. (GR-Forest) |
| CH | LAVAZ | 416 | 20140917 | 20150821 | t | -16 | Lutz R. (GR-Forest) |
| CH | LENTA | 414 | 20130830 | 20140829 | t | -34 | Riedi B. (GR-Forest) |
| CH | LIMMERN | 421 | 20130925 | 20141005 | t | -21 | Steinegger U. (private) |
| CH | LIMMERN | 421 | 20141005 | 20150930 | t | -10 | Steinegger U. (private) |
| CH | LISCHANA | 400 | 20130815 | 20150915 | t | -128 | Feuerstein G. (GR-Forest) |
| CH | MOIRY | 380 | 20131025 | 20140912 | t | -6 | Stoebener P. (VS-Forest) |
| CH | MOIRY | 380 | 20140912 | 20150923 | t | -30 | |
| CH | MOMING | 381 | 20131025 | 20141006 | t | -8 | Stoebener P. (VS-Forest) |
| CH | MOMING | 381 | 20141006 | 20150929 | t | -4 | Stoebener P. (VS-Forest), Chevalier G. (VS-Forest) |
| CH | MONT DURAND | 369 | 20140912 | 20150827 | t | -5 | Chabloz J. (private) |
| CH | MONT MINE | 378 | 20131025 | 20141009 | t | -15 | Fellay F. (VS-Forest) |
| CH | MONT MINE | 378 | 20141009 | 20151022 | t | -14 | Fellay F. (VS-Forest) |
| CH | MORTERATSCH | 1673 | 20131003 | 20141013 | t | -22 | Bott G. (GR-Forest) |
| CH | MORTERATSCH | 1673 | 20141013 | 20151017 | t | -164 | Godly G. (GR-Forest) |
| CH | OBERER GRINDELWALD | 444 | 20130923 | 20140923 | a | -12 | Bauder A. (VAW) |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | METHOD | FV | INVESTIGATORS_(SPONS_AGENCY) |
|---|---|---|---|---|---|---|---|
| CH | OBERER GRINDELWALD | 444 | 20140923 | 20150805 | a | 2 | Bauder A. (VAW) |
| CH | OTEMMA | 370 | 20130920 | 20140908 | t | -33 | Chabloz J. (private) |
| CH | OTEMMA | 370 | 20140908 | 20150829 | t | -24 | Chabloz J. (private) |
| CH | PALUE | 398 | 20130925 | 20140929 | t | -1 | Berchier G. (GR-Forest) |
| CH | PALUE | 398 | 20140929 | 20150925 | t | -24 | Berchier G. (GR-Forest) |
| CH | PANEYROSSE | 456 | 20130928 | 20140917 | t | -9 | Marlètaz J. (VD-Forest) |
| CH | PANEYROSSE | 456 | 20140917 | 20150930 | t | -7 | Marlètaz J. (VD-Forest) |
| CH | PARADIES | 412 | 20130911 | 20140909 | t | 2 | Fisler C. (GR-Forest) |
| CH | PARADIES | 412 | 20140909 | 20151005 | t | -24 | Fisler C. (GR-Forest) |
| CH | PARADISINO (CAMPO) | 397 | 20130926 | 20140930 | t | -8 | Berchier G. (GR-Forest) |
| CH | PARADISINO (CAMPO) | 397 | 20140930 | 20150928 | t | -17 | Berchier G. (GR-Forest) |
| CH | PIZOL | 417 | 20131009 | 20141007 | t | 1 | Brandes T. (SG-Forest) |
| CH | PIZOL | 417 | 20141007 | 20151009 | t | -10 | |
| CH | PLATTALVA | 420 | 20130924 | 20141005 | t | -18 | Steinegger U. (private) |
| CH | PLATTALVA | 420 | 20141005 | 20151001 | t | -20 | Steinegger U. (private) |
| CH | PORCHABELLA | 410 | 20130911 | 20140923 | t | -11 | Bearth T. (GR-Forest) |
| CH | PORCHABELLA | 410 | 20140923 | 20150909 | t | -15 | Bearth T. (GR-Forest) |
| CH | PRAPIO | 453 | 20130927 | 20140927 | t | 5 | Binggeli J. (VD-Forest) |
| CH | PRAPIO | 453 | 20140927 | 20150827 | t | -1 | Binggeli J. (VD-Forest) |
| CH | PUNTEGLIAS | 415 | 20130920 | 20140916 | t | -1 | Buchli C. (GR-Forest) |
| CH | PUNTEGLIAS | 415 | 20140916 | 20150922 | t | -27 | Buchli C. (GR-Forest) |
| CH | RAETZLI (PLAINE MORTE) | 434 | 20140923 | 20150805 | a | -4 | Bauder A. (VAW) |
| CH | RHONE | 473 | 20130923 | 20140923 | a | -28 | Bauder A. (VAW) |
| CH | RHONE | 473 | 20140923 | 20150805 | a | -6 | Bauder A. (VAW) |
| CH | RIED | 387 | 20140914 | 20151010 | t | -30 | Rovina P. (VS-Forest) |
| CH | ROSEG | 406 | 20130910 | 20141016 | t | -40 | Bott G. (GR-Forest) |
| CH | ROSEG | 406 | 20141016 | 20151014 | t | 4 | Godly G. (GR-Forest) |
| CH | ROTFIRN NORD | 430 | 20130905 | 20140919 | t | -22 | Planzer M. (UR-Forest) |
| CH | ROTFIRN NORD | 430 | 20140919 | 20150921 | t | -14 | Planzer M. (UR-Forest) |
| CH | SALEINA | 458 | 20131016 | 20140918 | t | -30 | Medico J. (VS-Forest) |
| CH | SALEINA | 458 | 20140918 | 20151001 | t | -29 | Medico J. (VS-Forest) |
| CH | SANKT ANNA | 432 | 20130906 | 20140926 | t | -9 | Eggimann L. (UR-Forest) |
| CH | SANKT ANNA | 432 | 20140926 | 20151002 | t | -13 | Eggimann L. (UR-Forest) |
| CH | SARDONA | 407 | 20130925 | 20140929 | t | -10 | Brandes T. (SG-Forest) |
| CH | SARDONA | 407 | 20140929 | 20150929 | t | -19 | Nigg S. (SG-Forest) |
| CH | SCALETTA | 1680 | 20130907 | 20140908 | t | 0 | Teufen B. (private) |
| CH | SCHWARZ | 438 | 20120928 | 20140930 | t | -959 | Coleman Brantschen E. (BE-Forest) |
| CH | SCHWARZ | 438 | 20140930 | 20150912 | t | -100 | Coleman Brantschen E. (BE-Forest) |
| CH | SCHWARZBERG | 395 | 20130904 | 20141002 | a | -16 | Bauder A. (VAW) |
| CH | SCHWARZBERG | 395 | 20141002 | 20150921 | a | -23 | Bauder A. (VAW) |
| CH | SEEWJINEN | 3333 | 20130904 | 20141002 | a | -1 | Bauder A. (VAW) |
| CH | SEEWJINEN | 3333 | 20141002 | 20150921 | a | -13 | Bauder A. (VAW) |
| CH | SESVENNA | 401 | 20130821 | 20140825 | t | -6 | Feuerstein G. (GR-Forest) |
| CH | SESVENNA | 401 | 20140825 | 20150821 | t | -15 | Feuerstein G. (GR-Forest) |
| CH | SEX ROUGE | 454 | 20130904 | 20140911 | t | 1 | Binggeli J. (VD-Forest) |
| CH | SEX ROUGE | 454 | 20140911 | 20150806 | t | -4 | Binggeli J. (VD-Forest) |
| CH | SILVRETTA | 408 | 20130822 | 20140927 | a | -7 | Bauder A. (VAW) |
| CH | SILVRETTA | 408 | 20140927 | 20150807 | a | -7 | Bauder A. (VAW) |
| CH | STEIN | 448 | 20130922 | 20140907 | t | -88 | Rohrer D. (BE-Forest) |
| CH | STEIN | 448 | 20140907 | 20150913 | t | -99 | Rohrer D. (BE-Forest) |
| CH | STEINLIMMI | 447 | 20130922 | 20140907 | t | -89 | Rohrer D. (BE-Forest) |
| CH | STEINLIMMI | 447 | 20140907 | 20150913 | t | -39 | Rohrer D. (BE-Forest) |
| CH | SURETTA | 411 | 20130920 | 20140930 | t | -9 | Fisler C. (GR-Forest) |
| CH | SURETTA | 411 | 20140930 | 20150908 | t | 0 | Fisler C. (GR-Forest) |
| CH | TIATSCHA | 402 | 20130823 | 20140911 | t | -36 | Bott G. (GR-Forest) |
| CH | TIATSCHA | 402 | 20140927 | 20150807 | a | -1 | Bauder A. (VAW) |
| CH | TIEFEN | 433 | 20130922 | 20140926 | t | -30 | Eggimann L. (UR-Forest) |
| CH | TIEFEN | 433 | 20140926 | 20151002 | t | -37 | Eggimann L. (UR-Forest) |
| CH | TORTIN GLACIER DE (MONT FORT) | 372 | 20131009 | 20140928 | t | -17 | Vouillamoz F. (VS-Forest) |
| CH | TORTIN GLACIER DE (MONT FORT) | 372 | 20140928 | 20150927 | t | -15 | Vouillamoz F. (VS-Forest) |
| CH | TRIENT | 457 | 20130922 | 20140906 | t | -41 | Ehinger J. (private) |
| CH | TRIENT | 457 | 20140906 | 20150927 | t | -4 | Ehinger J. (private) |
| CH | TRIFT (GADMEN) | 446 | 20130822 | 20140923 | a | 1 | Bauder A. (VAW) |
| CH | TRIFT (GADMEN) | 446 | 20140923 | 20150805 | a | -3 | Bauder A. (VAW) |
| CH | TSANFLEURON | 371 | 20131022 | 20141002 | t | -19 | Fellay F. (VS-Forest) |
| CH | TSANFLEURON | 371 | 20141002 | 20151023 | t | -20 | Fellay F. (VS-Forest) |
| CH | TSCHIERVA | 405 | 20130910 | 20141016 | t | -67 | Bott G. (GR-Forest) |
| CH | TSCHIERVA | 405 | 20141016 | 20151014 | t | -28 | Godly G. (GR-Forest) |
| CH | TSCHINGEL | 441 | 20130926 | 20140916 | t | -14 | Zumstein R. (BE-Forest) |
| CH | TSCHINGEL | 441 | 20140916 | 20150922 | t | -8 | Schai R. (BE-Forest) |
| CH | TSEUDET | 364 | 20131017 | 20141014 | t | -14 | Medico J. (VS-Forest) |
| CH | TSEUDET | 364 | 20141014 | 20151019 | t | -11 | Medico J. (VS-Forest) |
| CH | TSIDJIORE NOUVE | 376 | 20131028 | 20140929 | t | -8 | Fellay F. (VS-Forest) |
| CH | TSIDJIORE NOUVE | 376 | 20140929 | 20151021 | t | -10 | Fellay F. (VS-Forest) |
| CH | TURTMANN (WEST) | 385 | 20140908 | 20151007 | t | -133 | Brigger A. (VS-Forest) |
| CH | UNTERER GRINDELWALD | 443 | 20130923 | 20140923 | a | -472 | Bauder A. (VAW) |
| CH | UNTERER GRINDELWALD | 443 | 20140923 | 20150805 | a | -450 | Bauder A. (VAW) |
| CH | VALLEGGIA | 467 | 20120918 | 20140911 | t | -6 | Soldati M. (TI-Forest) |
| CH | VALLEGGIA | 467 | 20140911 | 20150930 | t | -5 | Soldati M. (TI-Forest) |
| CH | VALSOREY | 365 | 20131017 | 20141014 | t | -19 | Medico J. (VS-Forest) |
| CH | VALSOREY | 365 | 20141014 | 20151019 | t | -19 | Medico J. (VS-Forest) |
| CH | VERSTANKLA | 409 | 20130830 | 20140904 | t | -9 | Oertig D. (GR-Forest) |
| CH | VERSTANKLA | 409 | 20140904 | 20150828 | t | -18 | Oertig D. (GR-Forest) |
| CH | VORAB | 413 | 20130920 | 20140930 | t | -10 | Kalberer M. (GR-Forest) |
| CH | VORAB | 413 | 20140930 | 20151009 | t | -18 | Kalberer M. (GR-Forest) |
| CH | WALLENBUR | 428 | 20131008 | 20141002 | t | -43 | Kläger P. (UR-Forest) |
| CH | WALLENBUR | 428 | 20141002 | 20150929 | t | -30 | Kläger P. (UR-Forest) |
| CH | ZINAL | 382 | 20120916 | 20140912 | t | -30 | Stoebener P. (VS-Forest) |
| CH | ZINAL | 382 | 20140912 | 20151012 | t | -10 | Chevalier G. (VS-Forest) |
| **CL - Chile** | | | | | | | |
| CL | AMARILLO | 3905 | 20140305 | 20150399 | sM | -14 | Cabrera G. (IANIGLA) |
| CL | GUANACO | 3983 | 20149999 | 20140314 | sC | -3 | Rivera A. (CECS) |
| CL | MELIMOYU ESTE | 4434 | 19769999 | 20149999 | sP | -1152 | |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | METHOD | FV | INVESTIGATORS_(SPONS_AGENCY) |
|---|---|---|---|---|---|---|---|
| **CN - China** | | | | | | | |
| CN | PARLUNG NO. 94 | 3987 | 20130622 | 20141002 | tG | -19 | Li S. (CAS/ITPR), Yang W. (CAS/ITPR) |
| CN | PARLUNG NO. 94 | 3987 | | 20159999 | tG | -X | Li S. (CAS/ITPR), Yang W. (CAS/ITPR) |
| CN | URUMQI GLACIER NO. 1 | 853 | 20130829 | 20140831 | tG | -8 | Wang P. (CAREERI), Xu C. (CAREERI) |
| CN | URUMQI GLACIER NO. 1 | 853 | 20140903 | 20150828 | tG | -8 | Wang P. (CAREERI), Xu C. (CAREERI) |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140831 | tG | -8 | Wang P. (CAREERI), Xu C. (CAREERI) |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140903 | 20150828 | tG | -8 | Wang P. (CAREERI), Xu C. (CAREERI) |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140831 | tG | -4 | Wang P. (CAREERI), Xu C. (CAREERI) |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140903 | 20150828 | tG | -4 | Wang P. (CAREERI), Xu C. (CAREERI) |
| **CO - Colombia** | | | | | | | |
| CO | CONEJERAS | 2721 | 20161130 | 20161130 | tM | 0 | Ceballos Lievano J. (IDEAM) |
| CO | RITACUBA BLANCO | 2763 | 20161130 | 20161130 | tM | 0 | Ceballos Lievano J. (IDEAM) |
| CO | RITACUBA BLANCO | 2763 | 20161130 | 20161130 | tM | 0 | Ceballos Lievano J. (IDEAM) |
| **EC - Ecuador** | | | | | | | |
| EC | ANTIZANA15ALPHA | 1624 | 20140111 | 20150801 | tG | -7 | Cáceres Correa B. (INAMHI) |
| **ES - Spain** | | | | | | | |
| ES | MALADETA | 942 | 20130925 | 20140926 | t | 0 | Cobos G. (UPV) |
| ES | MALADETA | 942 | 20140926 | 20151023 | cC | -25 | Cobos G. (UPV) |
| **FR - France** | | | | | | | |
| FR | ARGENTIERE | 354 | 20150915 | 20130913 | | -34 | Vincent C. (CNRS), Six D. (CNRS) |
| FR | BLANC | 351 | 20130912 | 20141001 | | 0 | Thibert E. (IRSTEA) |
| FR | BLANC | 351 | 20141001 | 20150930 | | -10 | Thibert E. (IRSTEA) |
| FR | BOSSONS | 355 | 20130915 | 20140915 | | 0 | Vincent C. (CNRS), Six D. (CNRS) |
| FR | BOSSONS | 355 | 20140915 | 20150915 | | -3 | Six D. (CNRS), Vincent C. (CNRS) |
| FR | MER DE GLACE | 353 | 20130914 | 20140903 | | -46 | Vincent C. (CNRS), Six D. (CNRS) |
| FR | MER DE GLACE | 353 | 20140903 | 20150915 | | -37 | Six D. (CNRS), Vincent C. (CNRS) |
| FR | OSSOUE | 2867 | 20131006 | 20141011 | tG | 0 | René P. (AM) |
| FR | OSSOUE | 2867 | 20141011 | 20151010 | cC | -24 | René P. (AM) |
| FR | SAINT SORLIN | 356 | 20132108 | 20150824 | | -44 | Six D. (CNRS), Vincent C. (CNRS) |
| FR | TRE LA TETE | 1314 | 20129999 | 20149999 | | -182 | Moreau L. (GLACIOLAB) |
| **GE - Georgia** | | | | | | | |
| GE | ABANO | 767 | 19899999 | 20141015 | sG | -1500 | Tielidze L. (SRNSF) |
| GE | ADISHI | 4551 | 19899999 | 20141015 | sG | -533 | Tielidze L. (SRNSF) |
| GE | BOKO | 4560 | 19899999 | 20141015 | sG | -683 | Tielidze L. (SRNSF) |
| GE | BUBA | 4561 | 19899999 | 20141015 | sG | -229 | Tielidze L. (SRNSF) |
| GE | CHACHI | 765 | 19899999 | 20141015 | sG | -326 | Tielidze L. (SRNSF) |
| GE | CHALAATI | 1110 | 19899999 | 20141015 | sG | -655 | Tielidze L. (SRNSF) |
| GE | CHANCHAKHI | 4562 | 19899999 | 20141015 | sG | -985 | Tielidze L. (SRNSF) |
| GE | DEVDORAKI NORTH | 766 | 19899999 | 20141015 | sG | -800 | Tielidze L. (SRNSF) |
| GE | DOLRA | 4543 | 19899999 | 20141015 | sG | -717 | Tielidze L. (SRNSF) |
| GE | EDENA BIGGER | 4556 | 19899999 | 20141015 | sG | -1025 | Tielidze L. (SRNSF) |
| GE | GERGETI | 768 | 19899999 | 20141015 | sG | -910 | Tielidze L. (SRNSF) |
| GE | GULI | 4545 | 19899999 | 20141015 | sG | -635 | Tielidze L. (SRNSF) |
| GE | KHALDE | 4552 | 19899999 | 20141015 | sG | -296 | Tielidze L. (SRNSF) |
| GE | KIBESHA | 772 | 19899999 | 20141015 | sG | -617 | Tielidze L. (SRNSF) |
| GE | KIRTISHO | 4559 | 19899999 | 20141015 | sG | -466 | Tielidze L. (SRNSF) |
| GE | KORULDASHI | 783 | 19899999 | 20141015 | sG | -555 | Tielidze L. (SRNSF) |
| GE | KVITLODI | 4549 | 19899999 | 20141015 | sG | -1291 | Tielidze L. (SRNSF) |
| GE | LABODA | 4558 | 19899999 | 20141015 | sG | -265 | Tielidze L. (SRNSF) |
| GE | LAILA | 4555 | 19899999 | 20141015 | sG | -1145 | Tielidze L. (SRNSF) |
| GE | LEADASHTI NORTH | 4541 | 19899999 | 20141015 | sG | -910 | Tielidze L. (SRNSF) |
| GE | LEKHZIRI | 1111 | 19899999 | 20141015 | sG | -1450 | Tielidze L. (SRNSF) |
| GE | MARUKHI SOUTH | 4537 | 19899999 | 20141015 | | -526 | Tielidze L. (SRNSF) |
| GE | MNA | 769 | 19899999 | 20141015 | sG | -1571 | Tielidze L. (SRNSF) |
| GE | NAMKVANI | 4554 | 19899999 | 20141015 | sG | -740 | Tielidze L. (SRNSF) |
| GE | PSISHI | 4536 | 19899999 | 20141015 | | -391 | Tielidze L. (SRNSF) |
| GE | SAKENI | 4539 | 19899999 | 20141015 | | -790 | Tielidze L. (SRNSF) |
| GE | SHDAVLERI | 4540 | 19899999 | 20141015 | sG | -377 | Tielidze L. (SRNSF) |
| GE | SHKHARA | 4553 | 19899999 | 20141015 | sG | -311 | Tielidze L. (SRNSF) |
| GE | SOPRUJU SOUTH | 4538 | 19899999 | 20141015 | | -102 | Tielidze L. (SRNSF) |
| GE | SUATISI CENTRAL | 770 | 19899999 | 20141015 | sG | -755 | Tielidze L. (SRNSF) |
| GE | SUATISI EASTERN | 4564 | 19899999 | 20141015 | sG | -555 | Tielidze L. (SRNSF) |
| GE | SUATISI WESTERN | 4563 | 19899999 | 20141015 | sG | -651 | Tielidze L. (SRNSF) |
| GE | TBILISA | 724 | 19899999 | 20141015 | sG | -476 | Tielidze L. (SRNSF) |
| GE | TSANERI SOUTH | 4550 | 19899999 | 20141015 | sG | -1195 | Tielidze L. (SRNSF) |
| GE | USHBA SOUTH | 773 | 19899999 | 20141015 | sG | -734 | Tielidze L. (SRNSF) |
| GE | ZOPKHITO | 4557 | 19899999 | 20141015 | sG | -714 | Tielidze L. (SRNSF) |
| **GL - Greenland** | | | | | | | |
| GL | MITTIVAKKAT | 1629 | 20139999 | 20149999 | | -14 | Knudsen N. (DESA) |
| **IS - Iceland** | | | | | | | |
| IS | BAEGISARJOKULL | 3059 | 20100901 | 20150910 | tG | SN | Helgason J. (IGS-IMO) |
| IS | BLAGNIPUJOKULL | 3130 | 20131019 | 20141103 | tG | -11 | Haraldsson E. (IGS-IMO) |
| IS | BROKARJOKULL | 3066 | 20131019 | 20151026 | tG | -53 | Pálsson B. (IGS-IMO) |
| IS | FALLJOKULL | 3071 | 20131020 | 20142010 | tG | -40 | Þorláksdóttir S. (IGS-IMO) |
| IS | FALLJOKULL | 3071 | 20141020 | 20151027 | tG | -110 | Þorláksdóttir S. (IGS-IMO) |
| IS | FLAAJOKULL | 3078 | 20139999 | 20149999 | tG | -10 | Pálsson B. (IGS-IMO) |
| IS | FLAAJOKULL | 3078 | 20141020 | 20151015 | tG | -79 | Pálsson B. (IGS-IMO) |
| IS | FLAAJOKULL E 148 | 3076 | 20131018 | 20141019 | tG | -16 | Pálsson B. (IGS-IMO) |
| IS | FLAAJOKULL E 148 | 3076 | 20141019 | 20151015 | tG | -6 | Pálsson B. (IGS-IMO) |
| IS | GEITLANDSJOKULL | 3128 | 20130928 | 20140906 | tG | -41 | Kristinsson B. (IGS-IMO) |
| IS | GEITLANDSJOKULL | 3128 | 20140906 | 20150906 | tG | SN | Kristinsson B. (IGS-IMO) |
| IS | GLJUFURARJOKULL | 3080 | 20130907 | 20140913 | tG | SN | Hjartarson K. (IGS-IMO) |
| IS | HAGAFELLSJOKULL W | 3082 | 20130928 | 20151018 | tG | -109 | Sigurðsson E. (IGS-IMO) |
| IS | HEINABERGSJOKULL | 3085 | 20121024 | 20151125 | tG | -175 | Guðmundsson E. (IGS-IMO) |
| IS | HEINABERGSJOKULL H | 3084 | 20139999 | 20149999 | tG | -42 | |
| IS | HEINABERGSJOKULL H | 3084 | 20141023 | 20151125 | tG | 53 | Guðmundsson E. (IGS-IMO) |
| IS | HYRNINGSJOKULL | 3092 | 20130904 | 20140903 | tG | -30 | Haraldsson H. (IGS-IMO) |
| IS | HYRNINGSJOKULL | 3092 | 20140903 | 20150917 | tG | SN | Haraldsson H. (IGS-IMO) |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | METHOD | FV | INVESTIGATORS_(SPONS_AGENCY) |
|---|---|---|---|---|---|---|---|
| IS | JOKULHALS | 3093 | 20130904 | 20140903 | tG | -156 | Haraldsson H. (IGS-IMO) |
| IS | JOKULHALS | 3093 | 20140903 | 20150917 | tG | SN | Haraldsson H. (IGS-IMO) |
| IS | KALDALONSJOKULL | 3095 | 20130906 | 20140904 | tG | SN | Aðalsteinsson I. (IGS-IMO) |
| IS | KALDALONSJOKULL | 3095 | 20140904 | 20150911 | tG | SN | Matthíasson V. (IGS-IMO) |
| IS | KIRKJUJOKULL | 3129 | 20131019 | 20141103 | tG | -32 | Haraldsson E. (IGS-IMO) |
| IS | KOTLUJOKULL | 3132 | 20131008 | 20140928 | tG | 0 | Jensson S. (IGS-IMO) |
| IS | KVERKJOKULL | 3097 | 20100914 | 20150902 | tG | 115 | Þorláksson D. (IGS-IMO) |
| IS | LAMBAHRAUNSJOKULL | 3099 | 20130928 | 20140907 | tG | -28 | Skúlason B. (IGS-IMO) |
| IS | LAMBAHRAUNSJOKULL | 3099 | 20140907 | 20150927 | tG | SN | Kárason V. (IGS-IMO) |
| IS | MORSARJOKULL | 3104 | 20130928 | 20140920 | tG | -7 | Kristjánsson R. (IGS-IMO) |
| IS | MORSARJOKULL | 3104 | 20140907 | 20150907 | tG | -75 | Kristjánsson R. (IGS-IMO) |
| IS | MULAJOKULL S | 3105 | 20131012 | 20140913 | tG | -35 | Jónsson L. (IGS-IMO) |
| IS | MULAJOKULL S | 3105 | 20140913 | 20150926 | tG | -35 | Jónsson L. (IGS-IMO) |
| IS | MULAJOKULL W | 3106 | 20130920 | 20140913 | tG | -7 | Jónsson L. (IGS-IMO) |
| IS | MULAJOKULL W | 3106 | 20140913 | 20150926 | tG | -5 | Jónsson L. (IGS-IMO) |
| IS | NAUTHAGAJOKULL | 3107 | 20130920 | 20140913 | tG | -14 | Jónsson L. (IGS-IMO) |
| IS | NAUTHAGAJOKULL | 3107 | 20140913 | 20150926 | tG | -5 | Jónsson L. (IGS-IMO) |
| IS | REYKJAFJARDARJOKULL | 3109 | 20130818 | 20140920 | tG | -25 | Jóhannesson Þ. (IGS-IMO) |
| IS | REYKJAFJARDARJOKULL | 3109 | 20140920 | 20150919 | tG | -7 | Jóhannesson Þ. (IGS-IMO) |
| IS | RJUPNABREKKUJOKULL | 3136 | 20101309 | 20150912 | tG | -159 | |
| IS | SATUJOKULL | 3110 | 20130928 | 20141011 | tG | -35 | Skúlason B. (IGS-IMO) |
| IS | SATUJOKULL | 3110 | 20141011 | 20150927 | tG | 34 | Kárason V. (IGS-IMO) |
| IS | SKAFTAFELLSJOKULL | 3113 | 20130928 | 20141020 | tG | -65 | Kristjánsson R. (IGS-IMO) |
| IS | SKAFTAFELLSJOKULL | 3113 | 20141020 | 20151026 | tG | -20 | Þorláksdóttir S. (IGS-IMO) |
| IS | SKEIDARARJOKULL E1 | 3116 | 20130928 | 20140921 | tG | -89 | Kristjánsson R. (IGS-IMO) |
| IS | SKEIDARARJOKULL E1 | 3116 | 20140921 | 20150907 | tG | 85 | Kristjánsson R. (IGS-IMO) |
| IS | SKEIDARARJOKULL E2 | 3117 | 20130928 | 20140921 | tG | -2 | Kristjánsson R. (IGS-IMO) |
| IS | SKEIDARARJOKULL E2 | 3117 | 20140921 | 20150907 | tG | 80 | Kristjánsson R. (IGS-IMO) |
| IS | SKEIDARARJOKULL E3 | 3118 | 20130928 | 20140922 | tG | -91 | Kristjánsson R. (IGS-IMO) |
| IS | SKEIDARARJOKULL E3 | 3118 | 20140922 | 20151017 | tG | 12 | Kristjánsson R. (IGS-IMO) |
| IS | SKEIDARARJOKULL W | 3119 | 20131124 | 20141029 | tG | -180 | Jónsson H. (IGS-IMO) |
| IS | SOLHEIMAJOKULL W | 3122 | 20131012 | 20141018 | tG | -115 | Gunnlaugsson E. (IGS-IMO) |
| IS | SOLHEIMAJOKULL W | 3122 | 20141018 | 20151017 | tG | -58 | Gunnlaugsson E. (IGS-IMO) |
| IS | SVINAFELLSJOKULL | 3124 | 20131022 | 20141017 | tG | 2 | Þorláksdóttir S. (IGS-IMO) |
| IS | SVINAFELLSJOKULL | 3124 | 20141017 | 20151026 | tG | 0 | Þorláksdóttir S. (IGS-IMO) |
| IS | TUNGNAARJOKULL | 3126 | 20131026 | 20141109 | tG | -101 | Hilmarsson S. (IGS-IMO) |
| IS | TUNGNAARJOKULL | 3126 | 20141109 | 20151003 | tG | -49 | Hilmarsson S. (IGS-IMO) |
| **IT - Italy** | | | | | | | |
| IT | AGNELLO MER. | 684 | 20120908 | 20150826 | tG | -12 | Tron M. (CGI) |
| IT | ALTA (VEDRETTA) / HOHENF. | 632 | 20131003 | 20140831 | tG | -6 | Perini G. (CGI), Saccon G. (CGI) |
| IT | ALTA (VEDRETTA) / HOHENF. | 632 | 20140831 | 20150828 | tG | -15 | Perini G. (CGI) |
| IT | ANTELAO SUP. | 643 | 20130822 | 20141020 | tG | -5 | Perini G. (CGI) |
| IT | ANTELAO SUP. | 643 | 20141020 | 20150812 | tG | -3 | Perini G. (CGI) |
| IT | AOUILLE | 1239 | 20130906 | 20140922 | tG | -7 | Nicolino M. (CGI), Chevrère R. (CGI) |
| IT | AOUILLE | 1239 | 20140922 | 20150921 | tG | -12 | Nicolino M. (CGI), Chevrère R. (CGI) |
| IT | ARGUEREY MER. | 1253 | 20110927 | 20140828 | tG | -29 | Chiarle M. (CGI), Nigrelli G. (CGI) |
| IT | ARGUEREY MER. | 1253 | 20140828 | 20150827 | tG | -35 | Chiarle M. (CGI), Nigrelli G. (CGI) |
| IT | ARGUEREY SETT. | 1254 | 20110927 | 20140828 | tG | -2 | Chiarle M. (CGI), Nigrelli G. (CGI) |
| IT | ARGUEREY SETT. | 1254 | 20140828 | 20150827 | tG | -X | Chiarle M. (CGI), Nigrelli G. (CGI) |
| IT | BASEI | 611 | 20110927 | 20140828 | tG | 0 | Fornengo F. (CGI), Alberto P. (CGI) |
| IT | BASEI | 611 | 20140828 | 20150828 | tG | -5 | Fornengo F. (CGI), Alberto P. (CGI) |
| IT | BASSA DELL' ORTLES / ORTLERF. NIEDERER | 1128 | 20130817 | 20140908 | tG | -25 | Barison G. (SGAA), Seppi R. (SGAA), Peer L. (SGAA) |
| IT | BASSA DELL' ORTLES / ORTLERF. NIEDERER | 1128 | 20140908 | 20150804 | tG | -19 | Barison G. (SGAA), Seppi R. (SGAA), Sampieri R. (SGAA) |
| IT | BELVEDERE (MACUGNAGA) | 618 | 20130921 | 20141019 | tG | -17 | Tamburini A. (CGI), Walter A. (CGI), Versaci S. (CGI), Mortara G. (CGI) |
| IT | BELVEDERE (MACUGNAGA) | 618 | 20141019 | 20150925 | tG | -1 | Tamburini A. (CGI), Walter A. (CGI), Versaci S. (CGI), Mortara G. (CGI) |
| IT | BERTA | 1295 | 20130829 | 20140828 | tG | 0 | Rogliardo F. (CGI) |
| IT | BERTA | 1295 | 20140828 | 20150826 | tG | 0 | Rogliardo F. (CGI) |
| IT | BESSANESE | 1297 | 20130905 | 20140903 | tG | -2 | Rogliardo F. (CGI) |
| IT | BESSANESE | 1297 | 20140903 | 20150915 | tG | -4 | Rogliardo F. (CGI) |
| IT | BORS | 2453 | 20110902 | 20150831 | tG | 0 | Piccini P. (CGI), Cilenti R. (CGI) |
| IT | BREUIL SETT. | 1256 | 20140821 | 20150821 | tG | -9 | Viotti A. (CGI), Chiarle M. (CGI) |
| IT | BROGLIO | 2375 | 20121001 | 20151012 | tG | -28 | Miravalle R. (CGI) |
| IT | CALDERONE | 1107 | 20130914 | 20140913 | tR | 0 | Pecci M. (CGI), Pecci M. (ITAC) |
| IT | CALDERONE | 1107 | 20140913 | 20150912 | xX | 0 | Pecci M. (CGI), Pecci M. (ITAC), d'Aquila P. (CNSAS), Cappelletti D. (CGI), Caira T. (ITAC), Iurisci C. (ITAC) |
| IT | CAPRA | 1304 | 20130919 | 20140821 | tG | -6 | Bertoglio V. (CGI), Vergnano G. (CGI) |
| IT | CAPRA | 1304 | 20140821 | 20150817 | tG | -15 | Bertoglio V. (CGI), Cerrato C. (CGI) |
| IT | CARRO OCCIDENT. | 2358 | 20120921 | 20140913 | tG | 0 | Bertoglio V. (CGI), Vergnano G. (CGI) |
| IT | CARRO OCCIDENT. | 2358 | 20140913 | 20150821 | tG | -4 | Bertoglio V. (CGI), Vergnano G. (CGI) |
| IT | CASPOGGIO | 628 | 20130914 | 20140914 | tG | -3 | Alberti S. (SGL) |
| IT | CASPOGGIO | 628 | 20140914 | 20150920 | tG | -7 | Alberti S. (SGL) |
| IT | CASSANDRA OR. | 1185 | 20130920 | 20141002 | tG | 4 | De Zaiacomo M. (SGL) |
| IT | CASSANDRA OR. | 1185 | 20141002 | 20150930 | tG | -4 | De Zaiacomo M. (SGL) |
| IT | CASTELLI OR. | 1162 | 20090906 | 20140921 | tG | -63 | Rocca P. (SGL) |
| IT | CEDEC | 1165 | 20130906 | 20140920 | tG | -5 | Colombarolli D. (SGL) |
| IT | CEDEC | 1165 | 20140920 | 20151001 | tG | -20 | Colombarolli D. (SGL), Fioletti M. (SGL) |
| IT | CEVEDALE FORCOLA / FUERKELEF. | 663 | 20130901 | 20140831 | tG | -54 | Perini G. (CGI), Saccon G. (CGI) |
| IT | CEVEDALE FORCOLA / FUERKELEF. | 663 | 20140831 | 20150828 | tG | -39 | Perini G. (CGI) |
| IT | CEVEDALE PRINCIPALE / ZUFALLF. | 662 | 20130901 | 20140831 | tG | -20 | Perini G. (CGI), Saccon G. (CGI) |
| IT | CEVEDALE PRINCIPALE / ZUFALLF. | 662 | 20140831 | 20150828 | tG | -16 | Perini G. (CGI) |
| IT | CHATEAU BLANC | 1251 | 20140927 | 20150827 | tG | -4 | Perona S. (CGI) |
| IT | CIAMARELLA | 1298 | 20130904 | 20140902 | tG | -2 | Rogliardo F. (CGI) |
| IT | CIAMARELLA | 1298 | 20140902 | 20150920 | tG | -8 | Rogliardo F. (CGI) |
| IT | CIARDONEY | 1264 | 20130913 | 20140922 | cC | 0 | Mercalli L. (SMI), Cat Berro D. (SMI) |
| IT | CIARDONEY | 1264 | 20140922 | 20150915 | cC | -24 | Mercalli L. (SMI), Berro D. (SMI), Fornengo F. (SMI) |
| IT | COL DELLA MARE I | 1167 | 20090912 | 20140830 | tG | -7 | Cola G. (SGL) |
| IT | COUPE DE MONEY | 1271 | 20130913 | 20140906 | tG | -4 | Bertoglio V. (CGI), Borre P. (CGI) |
| IT | COUPE DE MONEY | 1271 | 20140906 | 20150924 | tG | -10 | Bertoglio V. (CGI), Borre P. (CGI) |
| IT | CRODA ROSSA / ROTWANDF. | 654 | 20131003 | 20140919 | tG | -4 | Benetton S. (CGI) |
| IT | CRODA ROSSA / ROTWANDF. | 654 | 20140919 | 20150928 | tG | -4 | Benetton S. (CGI), Benetton G. (CGI) |
| IT | DISGRAZIA | 2503 | 20130914 | 20140913 | tG | 0 | Neri G. (SGL) |
| IT | DISGRAZIA | 2503 | 20140913 | 20150912 | tG | -5 | Neri G. (SGL) |
| IT | DOSDE OR. | 625 | 20120908 | 20140913 | tG | -31 | Pagliardi P. (SGL), Toffaletti A. (SGL) |
| IT | DOSDE OR. | 625 | 20140913 | 20150913 | tG | -16 | Toffaletti A. (SGL) |
| IT | DOSEGU | 668 | 20130830 | 20140827 | tG | -5 | Borghi A. (SGL) |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | METHOD | FV | INVESTIGATORS_(SPONS_AGENCY) |
|---|---|---|---|---|---|---|---|
| IT | DOSEGU | 668 | 20140827 | 20150920 | tG | -20 | Borghi A. (SGL) |
| IT | DZASSET | 2372 | 20130914 | 20140907 | tG | -3 | Bertoglio V. (CGI), Borre P. (CGI) |
| IT | DZASSET | 2372 | 20140907 | 20150925 | tG | -4 | Bertoglio V. (CGI), Borre P. (CGI), Gerard Y. (CGI) |
| IT | ENTRELOR SETT. | 2377 | 20130921 | 20140916 | tG | 0 | Rossotto A. (CGI), Peretti F. (CGI) |
| IT | ENTRELOR SETT. | 2377 | 20140916 | 20150909 | tG | -11 | Rossotto A. (CGI), Peretti F. (CGI) |
| IT | FOND OCCID. | 2380 | 20130914 | 20140831 | tG | 0 | Pollicini F. (CGI), Borney S. (CGI) |
| IT | FOND OCCID. | 2380 | 20140831 | 20150907 | tG | -6 | Pollicini F. (CGI), Borney S. (CGI) |
| IT | FOND OR. | 1243 | 20130914 | 20140831 | tG | -1 | Pollicini F. (CGI), Borney S. (CGI) |
| IT | FOND OR. | 1243 | 20140831 | 20150907 | tG | -8 | Pollicini F. (CGI), Borney S. (CGI) |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20141004 | 20150829 | tG | -10 | Barison G. (SGAA), Seppi R. (SGAA), Sartori G. (SGAA), Arervo B. (SGAA) |
| IT | FORNI | 670 | 20130908 | 20140904 | tG | -26 | Cola G. (SGL) |
| IT | FORNI | 670 | 20140904 | 20150928 | tG | -59 | Cola G. (SGL) |
| IT | FORNO | 2478 | 20070920 | 20150920 | tG | -93 | Valisa P. (SGL) |
| IT | FOURNEAUX | 1294 | 20070909 | 20140914 | tG | -2 | Tron M. (SGL) |
| IT | FRANE (VEDR. DELLE) / STEINSCHLAGF. | 2624 | 20130924 | 20141003 | tG | -4 | Greco G. (SGAA), Le Pera L. (SGAA) |
| IT | FRANE (VEDR. DELLE) / STEINSCHLAGF. | 2624 | 20141003 | 20150831 | tG | 0 | Greco G. (SGAA), Teti B. (SGAA) |
| IT | GLIAIRETTA VAUDET | 1248 | 20130910 | 20140827 | tG | -8 | Pollicini F. (CGI) |
| IT | GLIAIRETTA VAUDET | 1248 | 20140827 | 20150822 | tG | -36 | Pollicini F. (CGI) |
| IT | GOLETTA | 683 | 20130921 | 20140914 | tG | -5 | Pollicini F. (CGI), Borney S. (CGI) |
| IT | GOLETTA | 683 | 20140914 | 20150920 | tG | -32 | Pollicini F. (CGI), Borney S. (CGI) |
| IT | GRAMES ORIENT. + CENTR. / GRAMSENF. OESTL. + ZENTR. | 2599 | 20130903 | 20140903 | tG | -4 | Bruschi P. (SGAA) |
| IT | GRAMES ORIENT. + CENTR. / GRAMSENF. OESTL. + ZENTR. | 2599 | 20140903 | 20150907 | tG | -15 | Bruschi P. (SGAA) |
| IT | GRAN NEYRON | 1283 | 20130817 | 20140906 | tG | -12 | Vallet V. (CGI) |
| IT | GRAN NEYRON | 1283 | 20140906 | 20150904 | tG | -5 | Vallet V. (CGI) |
| IT | GRAN PARADISO | 1235 | 20120915 | 20150920 | tG | -1 | Bertoglio V. (CGI), Borre P. (CGI), Massoni D. (CGI), Vergnano G. (CGI) |
| IT | GRAN PILASTRO (GHIAC. DEL) / GLIEDERF. | 652 | 20130928 | 20141809 | tG | -9 | Bertinotti I. (SGAA) |
| IT | GRAN PILASTRO (GHIAC. DEL) / GLIEDERF. | 652 | 20141809 | 20150912 | tG | -33 | Bertinotti I. (SGAA) |
| IT | GRAN VAL | 2374 | 20120920 | 20140908 | tG | -12 | Borre P. (CGI) |
| IT | GRAN VEDRETTA OCC. / HOCHF. | 2634 | 20120908 | 20140904 | tG | 0 | Bertinotti I. (SGAA) |
| IT | GRAN VEDRETTA OCC. / HOCHF. | 2634 | 20140904 | 20150915 | tG | -41 | Bertinotti I. (SGAA) |
| IT | GRAN VEDRETTA OR. / GRIESSF. | 2633 | 20130824 | 20140904 | tG | 0 | Bertinotti I. (SGAA) |
| IT | GRAN VEDRETTA OR. / GRIESSF. | 2633 | 20140904 | 20150915 | tG | -9 | Bertinotti I. (SGAA) |
| IT | GRAN ZEBRU (CENTRALE) | 1164 | 20130906 | 20140920 | tG | -6 | Colombarolli D. (SGL) |
| IT | GRAN ZEBRU (CENTRALE) | 1164 | 20140920 | 20151001 | tG | -1 | Colombarolli D. (SGL) |
| IT | GRAND CROUX CENTR. | 1273 | 20130914 | 20140914 | tG | -1 | Bertoglio V. (CGI), Borre P. (CGI) |
| IT | GRAND ETRET | 1238 | 20130921 | 20140921 | tG | -19 | Walter A. (CGI), Bertoglio V. (CGI) |
| IT | GRAND ETRET | 1238 | 20140921 | 20150919 | tG | -28 | Bertoglio V. (CGI), Borre P. (CGI), Massoni D. (CGI), Vergnano G. (CGI) |
| IT | GRUETTA ORIENT. | 2418 | 20120916 | 20140824 | tG | -4 | Gadin G. (CGI) |
| IT | GRUETTA ORIENT. | 2418 | 20140824 | 20150920 | tG | -17 | Gadin G. (CGI) |
| IT | HOHSAND SETT. (SABBIONE SETT.) | 631 | 20130821 | 20140907 | tG | -20 | Ossola R. (CGI) |
| IT | HOHSAND SETT. (SABBIONE SETT.) | 631 | 20140907 | 20150827 | tG | -31 | Ossola R. (CGI) |
| IT | INDREN OCC. | 1209 | 20130905 | 20150920 | tG | -3 | Piccini P. (CGI) |
| IT | LA MARE (VEDRETTA DE) | 636 | 20130831 | 20140828 | tG | -5 | Carturan L. (CGI), Voltolini C. (CGI) |
| IT | LA MARE (VEDRETTA DE) | 636 | 20140828 | 20150831 | tG | -17 | Carturan L. (CGI), Voltolini C. (CGI) |
| IT | LAGAUN (Vedretta di) / LAGAUN FERNER | 6823 | 20130903 | 20141011 | tG | -2 | Barison G. (SGAA), Rosan R. (SGAA) |
| IT | LAGAUN (Vedretta di) / LAGAUN FERNER | 6823 | 20141011 | 20150912 | tG | -30 | Barison G. (SGAA), Rosan R. (SGAA), Rosa S. (SGAA), Sampieri R. (SGAA) |
| IT | LANA (VEDR. DI) / AEUSSERES LAHNER KEES | 650 | 20090911 | 20140928 | tG | -227 | Valcanover E. (CGI), Valcanover R. (CGI) |
| IT | LANA (VEDR. DI) / AEUSSERES LAHNER KEES | 650 | 20140928 | 20150812 | tG | -3 | Mattiato M. (SGAA), Casagrande R. (SGAA) |
| IT | LARES | 1149 | 20110911 | 20141030 | tG | -160 | Marchetti F. (SAT), Flemi Z. (SAT) |
| IT | LASA / LAASER F. | 2605 | 20131004 | 20141014 | tG | -45 | Saltriti A. (SGAA) |
| IT | LAUSON | 1275 | 20130910 | 20140910 | tG | -9 | Grosa M. (CGI) |
| IT | LAUSON | 1275 | 20140910 | 20150910 | tG | -14 | Grosa M. (CGI) |
| IT | LAVACCIU | 1285 | 20130826 | 20140913 | tG | -9 | Nicolussi S. (CGI) |
| IT | LAVACCIU | 1285 | 20140913 | 20150909 | tG | -19 | Nicolussi S. (CGI) |
| IT | LAVASSEY | 1242 | 20130914 | 20140831 | tG | -11 | Pollicini F. (CGI), Borney S. (CGI) |
| IT | LAVASSEY | 1242 | 20140831 | 20150907 | tG | -24 | Pollicini F. (CGI), Borney S. (CGI) |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20130831 | 20140830 | tG | -34 | Perini G. (CGI), Saccon G. (CGI) |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20140830 | 20150827 | tG | -16 | Perini G. (CGI) |
| IT | LYS | 620 | 20130927 | 20141027 | tG | -3 | Freppaz M. (CGI), Godone D. (CGI) |
| IT | LYS | 620 | 20141027 | 20151008 | tG | -15 | Freppaz M. (CGI), Hudek C. (CGI) |
| IT | MADACCIO (VEDR. DEL) / MADATSCHF. | 1129 | 20130921 | 20140924 | tG | -9 | Barison G. (SGAA), Seppi R. (SGAA) |
| IT | MADACCIO (VEDR. DEL) / MADATSCHF. | 1129 | 20140924 | 20150804 | tG | -9 | Barison G. (SGAA), Seppi R. (SGAA), Sampieri R. (SGAA) |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | tG | -51 | Franchi G. (CGI) |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | tG | -10 | Franchi G. (CGI) |
| IT | MANDRONE | 664 | 20130901 | 20140917 | tG | -2 | Marchetti F. (SAT), Bertoldi S. (SAT) |
| IT | MARMOLADA CENTR. | 676 | 20130921 | 20140905 | tG | 0 | Varotto M. (CGI), Zanella M. (CGI) |
| IT | MARMOLADA CENTR. | 676 | 20140905 | 20150909 | tG | 0 | Varotto M. (CGI), Zanella M. (CGI) |
| IT | MARTELOT | 1301 | 20120820 | 20140820 | tG | 0 | Rogliardo F. (CGI) |
| IT | MARTELOT | 1301 | 20140820 | 20150822 | tG | -1 | Rogliardo F. (CGI) |
| IT | MAZIA (VEDR. DI) / MATSCHERF. | 2620 | 20130916 | 20140927 | tG | -9 | Greco G. (SGAA), Tosi P. (SGAA) |
| IT | MAZIA (VEDR. DI) / MATSCHERF. | 2620 | 20140927 | 20150921 | tG | -15 | Greco G. (SGAA), Tosi P. (SGAA), Le Pera L. (SGAA) |
| IT | MONCIAIR | 1237 | 20130909 | 20140916 | tG | -2 | Vallet R. (CGI) |
| IT | MONCIAIR | 1237 | 20140916 | 20150920 | tG | -2 | Bertoglio V. (CGI), Borre P. (CGI), Massoni D. (CGI), Vergnano G. (CGI) |
| IT | MONCORVE | 1236 | 20130920 | 20140914 | tG | -4 | Massoni D. (CGI), Vallet R. (CGI) |
| IT | MONCORVE | 1236 | 20140914 | 20150920 | tG | -26 | Bertoglio V. (CGI), Borre P. (CGI), Massoni D. (CGI), Vergnano G. (CGI) |
| IT | MONEY | 1272 | 20130913 | 20140906 | tG | -1 | Bertoglio V. (CGI) |
| IT | MONEY | 1272 | 20140906 | 20150924 | tG | -52 | Bertoglio V. (CGI), Borre P. (CGI) |
| IT | MONTANDEYNE | 1284 | 20130825 | 20140909 | tG | -3 | Nicolussi S. (CGI) |
| IT | MONTANDEYNE | 1284 | 20140909 | 20150908 | tG | -29 | Nicolussi S. (CGI) |
| IT | MONTARSO (VEDR. DI) / FEUERSTEINF. | 2631 | 20130904 | 20150901 | tG | -36 | Bertinotti I. (SGAA) |
| IT | MORION OR. | 1250 | 20130914 | 20140920 | tG | -12 | Bettio M. (CGI) |
| IT | MORION OR. | 1250 | 20140920 | 20150920 | tG | -29 | Bettio M. (CGI) |
| IT | NEL CENTRALE | 1303 | 20120821 | 20150828 | tG | -8 | Bertoglio V. (CGI), Vergnano G. (CGI) |
| IT | NEVES OR. (GHIAC. DI) / NOEFESF. OESTL. | 651 | 20130923 | 20140929 | tG | -9 | Franchi G. (SGL) |
| IT | NEVES OR. (GHIAC. DI) / NOEFESF. OESTL. | 651 | 20140929 | 20150921 | tG | -29 | Franchi G. (CGI) |
| IT | NISCLI | 677 | 20120909 | 20140914 | tG | -21 | Marchetti F. (SAT) |
| IT | NOASCHETTA OCCID. | 2359 | 20120829 | 20150927 | tG | -4 | Miravalle R. (CGI), Cerrato C. (CGI), Permulian R. (CGI) |
| IT | PALON DELLA MARE LOBO CENTR. | 2533 | 20130913 | 20140921 | tG | -13 | Cola G. (SGL) |
| IT | PALON DELLA MARE LOBO CENTR. | 2533 | 20140921 | 20151012 | tG | -24 | Farinella L. (SGL) |
| IT | PALON DELLA MARE LOBO OR. | 2534 | 20130913 | 20140921 | tG | -3 | Cola G. (SGL) |
| IT | PALON DELLA MARE LOBO OR. | 2534 | 20140921 | 20151012 | tG | -28 | Farinella L. (SGL) |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 20130924 | 20140929 | tG | -1 | Franchi G. (CGI) |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | METHOD | FV | INVESTIGATORS_(SPONS_AGENCY) |
|---|---|---|---|---|---|---|---|
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 20140929 | 20150927 | tG | -7 | Franchi G. (CGI) |
| IT | PERA CIAVAL | 1296 | 20130831 | 20140827 | tG | 0 | Rogliardo F. (CGI) |
| IT | PERA CIAVAL | 1296 | 20140827 | 20150827 | tG | -15 | Rogliardo F. (CGI) |
| IT | PERCIA | 1240 | 20130822 | 20140920 | tG | -2 | Nicolino M. (CGI), Chevrère R. (CGI) |
| IT | PERCIA | 1240 | 20140920 | 20150915 | tG | -14 | Nicolino M. (CGI), Chevrère R. (CGI) |
| IT | PIODE | 619 | 20131031 | 20141020 | tG | -143 | Piccini P. (CGI), Antonietti O. (CGI) |
| IT | PIODE | 619 | 20141020 | 20151109 | tG | -5 | Piccini P. (CGI), Antonietti O. (CGI), Viani C. (CGI) |
| IT | PIZZO FERRE | 1181 | 20130919 | 20140928 | tG | -5 | Congiu E. (SGL) |
| IT | PIZZO FERRE | 1181 | 20140928 | 20150918 | tG | -9 | Pironi L. (SGL) |
| IT | PIZZO SCALINO | 1187 | 20130913 | 20140922 | tG | -10 | Butti M. (SGL) |
| IT | PIZZO SCALINO | 1187 | 20140922 | 20150921 | tG | -31 | Rocca P. (SGL) |
| IT | PLATTES DES CHAMOIS | 1249 | 20130910 | 20140902 | tG | -7 | Pollicini F. (CGI) |
| IT | PREDAROSSA | 1182 | 20130831 | 20140906 | tG | -2 | Urso M. (SGL) |
| IT | PREDAROSSA | 1182 | 20140906 | 20150906 | tG | -42 | Urso M. (SGL) |
| IT | QUAIRA BIANCA (VEDR. DELLA) / WEISSKARF. | 686 | 20130908 | 20140918 | tG | -5 | Bertinotti I. (SGAA) |
| IT | QUAIRA BIANCA (VEDR. DELLA) / WEISSKARF. | 686 | 20140918 | 20150912 | tG | -33 | Bertinotti I. (SGL) |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130907 | 20140907 | tG | -387 | Cibin G. (CGI) |
| IT | ROCCIA VIVA | 2364 | 20131009 | 20141002 | tG | -4 | Bertoglio V. (CGI) |
| IT | ROCCIA VIVA | 2364 | 20141002 | 20150925 | tG | -9 | Miravalle R. (CGI), Caminada C. (CGI) |
| IT | ROSIM (VEDR. DI) / ROSIMF. | 610 | 20130829 | 20140914 | tG | 4 | Barison G. (SGAA), Cassina A. (SGAA) |
| IT | ROSIM (VEDR. DI) / ROSIMF. | 610 | 20140914 | 20150827 | tG | -11 | Barison G. (SGAA), Sampieri R. (SGAA) |
| IT | ROSSO DESTRO | 648 | 20100909 | 20140927 | tG | -87 | Valcanover E. (CGI), Valcanover R. (CGI) |
| IT | ROSSO DESTRO | 648 | 20140927 | 20150909 | tG | -56 | Serandrei Barbero R. (CGI) |
| IT | RUTOR | 612 | 20130906 | 20140910 | tG | -11 | Garino R. (CGI) |
| IT | RUTOR | 612 | 20140910 | 20150906 | tG | -16 | Garino R. (CGI) |
| IT | SALDURA MER. (VEDR. DI) / SALDUR F. SUEDL. | 1131 | 20130923 | 20141010 | tG | -8 | Greco G. (SGAA), La Pera L. (SGAA) |
| IT | SALDURA MER. (VEDR. DI) / SALDUR F. SUEDL. | 1131 | 20141010 | 20150907 | tG | -7 | Greco G. (SGAA), La Pera L. (SGAA), Teti B. (SGAA) |
| IT | SCERSCEN INFERIORE | 1186 | 20130914 | 20140919 | tG | -11 | Salvetti A. (SGL) |
| IT | SCERSCEN INFERIORE | 1186 | 20140919 | 20151009 | tG | -145 | De Zaiacomo M. (SGL) |
| IT | SEA | 1299 | 20130921 | 20140913 | tG | -9 | Rogliardo F. (CGI) |
| IT | SEA | 1299 | 20140913 | 20150909 | tG | -12 | Rogliardo F. (CGI) |
| IT | SENGIE SETT. | 1267 | 20120928 | 20140926 | tG | -6 | Bertoglio V. (CGI), Borre P. (CGI) |
| IT | SENGIE SETT. | 1267 | 20140926 | 20150906 | tG | -1 | Bertoglio V. (CGI), Borre P. (CGI), Mazza E. (CGI) |
| IT | SERANA (VEDR.) / SCHRANF. | 634 | 20130924 | 20140924 | tG | -8 | Bruschi P. (SGAA) |
| IT | SERANA (VEDR.) / SCHRANF. | 634 | 20140924 | 20150908 | tG | -17 | Bruschi P. (SGAA) |
| IT | SFORZELLINA | 667 | 20130928 | 20140914 | tG | -5 | Smiraglia C. (CGI), Scotti R. (CGI) |
| IT | SFORZELLINA | 667 | 20140914 | 20150822 | tG | -6 | Smiraglia C. (CGI) |
| IT | SISSONE | 2506 | 20130922 | 20140829 | tG | 0 | Almasio A. (SGL) |
| IT | SISSONE | 2506 | 20140829 | 20150829 | tG | 0 | Almasio A. (SGL) |
| IT | SOCHES TSANTELEINA | 1244 | 20130914 | 20140831 | tG | -7 | Pollicini F. (CGI), Borney S. (CGI) |
| IT | SOCHES TSANTELEINA | 1244 | 20140831 | 20150907 | tG | -25 | Pollicini F. (CGI), Borney S. (CGI) |
| IT | SOLDA (VEDRETTA DI) / SULDENF. | 660 | 20120903 | 20150827 | tG | -39 | Sartori S. (SGAA), Seppi R. (SGAA), Rosa S. (SGAA), Rosan R. (SGAA) |
| IT | TESSA (VEDR. DI) / TEXELF. | 653 | 20131003 | 20140919 | tG | -3 | Benetton S. (CGI), Benetton G. (CGI) |
| IT | TESSA (VEDR. DI) / TEXELF. | 653 | 20140919 | 20150928 | tG | -6 | Benetton S. (CGI), Benetton G. (CGI) |
| IT | TIMORION | 1282 | 20130905 | 20141102 | tG | -8 | Cerise S. (CGI) |
| IT | TIMORION | 1282 | 20140923 | 20150915 | tG | -6 | Morra di Cella U. (ARPA) |
| IT | TORRENT | 2384 | 20130901 | 20140817 | tG | -16 | Pollicini F. (CGI) |
| IT | TORRENT | 2384 | 20140817 | 20150820 | tG | -8 | Pollicini F. (CGI) |
| IT | TOULES | 614 | 20130831 | 20140823 | tG | -15 | Fusinaz A. (CGI), Fusinaz A. (CGI) |
| IT | TOULES | 614 | 20140823 | 20150824 | tG | -30 | Fusinaz A. (CGI), Fusinaz A. (CGI) |
| IT | TRAFOI (VEDR. DI) / TRAFOIER F. | 2617 | 20130817 | 20140908 | tG | -14 | Barison G. (SGAA), Seppi R. (SGAA) |
| IT | TRAFOI (VEDR. DI) / TRAFOIER F. | 2617 | 20140908 | 20150804 | tG | -2 | Barison G. (SGAA), Seppi R. (SGAA), Sampieri R. (SGAA) |
| IT | TRAJO | 1278 | 20130905 | 20140912 | tG | -3 | Borre P. (CGI) |
| IT | TRAJO | 1278 | 20140912 | 20150910 | tG | -20 | Borre P. (CGI) |
| IT | TRIBOLAZIONE | 1274 | 20120909 | 20140907 | tG | -28 | Bertoglio V. (CGI), Borre P. (CGI) |
| IT | TRIBOLAZIONE | 1274 | 20140907 | 20150925 | tG | -20 | Bertoglio V. (CGI), Borre P. (CGI), Gerard Y. (CGI) |
| IT | ULTIMA (VEDR.) / ULTENMARKTF. | 633 | 20130924 | 20140924 | tG | -20 | Bruschi P. (SGAA) |
| IT | ULTIMA (VEDR.) / ULTENMARKTF. | 633 | 20140924 | 20150908 | tG | -10 | Bruschi P. (SGAA) |
| IT | VALEILLE | 1268 | 20130927 | 20140927 | tG | -4 | Bertoglio V. (CGI), Borre P. (CGI) |
| IT | VALEILLE | 1268 | 20140927 | 20150905 | tG | -4 | Bertoglio V. (CGI), Borre P. (CGI) |
| IT | VALLE DEL VENTO | 649 | 20110907 | 20140927 | tG | -13 | Valcanover E. (SGAA), Valcanover R. (SGAA) |
| IT | VALLE DEL VENTO | 649 | 20140927 | 20150909 | tG | -12 | Serandrei Barbero R. (CGI) |
| IT | VAUDALETTA | 2379 | 20130921 | 20150908 | tG | -10 | Rossotto A. (CGI) |
| IT | VENEROCOLO | 665 | 20130831 | 20130831 | tG | 4 | Gussoni M. (SGL) |
| IT | VENTINA | 629 | 20130917 | 20140927 | tG | -24 | Colombo N. (SGL), Gussoni M. (SGL) |
| IT | VENTINA | 629 | 20140927 | 20150927 | tG | -40 | Colombo N. (SGL), De Zaiacomo M. (SGL) |
| **KG - Kyrgyzstan** | | | | | | | |
| KG | ABRAMOV | 732 | 20139999 | 20149999 | | -27 | |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20139999 | 20149999 | | -9 | |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20149999 | 20159999 | | -9 | |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20149999 | | -22 | |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20149999 | 20159999 | | -45 | |
| KG | GOLUBIN | 753 | 20139999 | 20149999 | | -32 | |
| KG | GOLUBIN | 753 | 20149999 | 20159999 | | -25 | |
| KG | KARA-BATKAK | 813 | 20089999 | 20150725 | cC | -64 | Popovnin V. (TshMRC), Satylkanov R. (TshMRC), Ermenbayev B. (TshMRC) |
| KG | SARY TOR (NO.356) | 805 | 20140925 | 20150906 | tG | -14 | Popovnin V. (TshMRC), Satylkanov R. (TshMRC), Ermenbayev B. (TshMRC) |
| **KZ - Kazakhstan** | | | | | | | |
| KZ | TS.TUYUKSUYSKIY | 817 | 20130822 | 20140825 | tG | -35 | Kasatkin N. (IGNANKaz) |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140825 | 20150825 | tG | -49 | Kasatkin N. (IGNANKaz) |
| **NO - Norway** | | | | | | | |
| NO | AUSTERDALSBREEN | 288 | 20130812 | 20140809 | tG | -25 | Elvehøy H. (NVE), Solnes P. (NVE) |
| NO | AUSTERDALSBREEN | 288 | 20140809 | 20150810 | tG | -180 | Elvehøy H. (NVE), Solnes P. (NVE) |
| NO | AUSTRE OKSTINDBREEN | 3342 | 20130928 | 20140830 | tG | -30 | Elvehøy H. (NVE), Nessengmo K. (NVE) |
| NO | AUSTRE OKSTINDBREEN | 3342 | 20140830 | 20150906 | tG | -17 | Elvehøy H. (NVE), Nesengmo K. (NVE) |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 20130920 | 20140916 | tG | -2 | Elvehøy H. (SUNK), Probert J. (SUNK) |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 20140916 | 20151016 | tG | 7 | Elvehøy H. (NVE), Probert J. (NVE) |
| NO | BOEDALSBREEN | 2291 | 20121020 | 20140922 | tG | -455 | Elvehøy H. (NVE), Briksdal E. (NVE) |
| NO | BOEDALSBREEN | 2291 | 20140922 | 20150814 | tG | 0 | Elvehøy H. (NVE), Briksdal E. (NVE) |
| NO | BOEYABREEN | 2297 | 20131001 | 20141016 | tG | -65 | Kjelland P. (NGM) |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | METHOD | FV | INVESTIGATORS_(SPONS_AGENCY) |
|---|---|---|---|---|---|---|---|
| NO | BONDHUSBREA | 318 | 20130926 | 20141003 | tG | -2 | Knutsen G. (STAK) |
| NO | BONDHUSBREA | 318 | 20141003 | 20151012 | tG | -14 | Elvehøy H. (NVE), Knutsen G. (NVE) |
| NO | BRENNDALSBREEN | 2293 | 20121110 | 20141019 | tG | -55 | Elvehøy H. (NVE), Briksdal E. (NVE) |
| NO | BRENNDALSBREEN | 2293 | 20141019 | 20151031 | tG | -29 | Elvehøy H. (NVE), Briksdal R. (NVE) |
| NO | BRIKSDALSBREEN | 314 | 20131109 | 20141001 | tG | 0 | Nesje A. (NVE), Briksdal E. (NVE) |
| NO | BRIKSDALSBREEN | 314 | 20141001 | 20150913 | tG | 0 | Nesje A. (NVE) |
| NO | BUERBREEN | 315 | 20130724 | 20151008 | tG | -20 | Elvehøy H. (NVE), Buer M. (NVE) |
| NO | CORNELIUSSENBREEN | 3341 | 20130928 | 20140830 | tG | -10 | Elvehøy H. (NVE), Nessengmo K. (NVE) |
| NO | CORNELIUSSENBREEN | 3341 | 20140830 | 20150906 | tG | 3 | Elvehøy H. (NVE), Nesengmo K. (NVE) |
| NO | ENGABREEN | 298 | 20131021 | 20141014 | tG | -56 | Elvehøy H. (STAK) |
| NO | ENGABREEN | 298 | 20141014 | 20151027 | tG | -6 | Elvehøy H. (NVE) |
| NO | FAABERGSTOELSBREEN | 289 | 20130925 | 20141006 | tG | -68 | Elvehøy H. (NVE), Åsen K. (NVE) |
| NO | FAABERGSTOELSBREEN | 289 | 20141006 | 20150908 | tG | 1 | Elvehøy H. (NVE), Åsen K. (NVE) |
| NO | GRAAFJELLSBREA | 1320 | 20130926 | 20141002 | tG | -120 | Elvehøy H. (STAK), Knutsen G. (STAK) |
| NO | GRAAFJELLSBREA | 1320 | 20141002 | 20151014 | tG | 5 | Elvehøy H. (NVE), Knutsen G. (NVE) |
| NO | HAUGABREEN | 4568 | 20131018 | 20141002 | tG | -13 | Kielland P. (NGM) |
| NO | HAUGABREEN | 4568 | 20141002 | 20150929 | tG | -7 | Kielland P. (NVE) |
| NO | HELLSTUGUBREEN | 300 | 20130910 | 20140916 | tG | -13 | Andreassen L. (NVE) |
| NO | HELLSTUGUBREEN | 300 | 20140916 | 20150923 | tG | -3 | Andreassen L. (NVE) |
| NO | JUVFONNE | 3661 | 20130911 | 20140909 | tG | -25 | Andreassen L. (NVE) |
| NO | KOPPANGSBREEN | 2309 | 20130930 | 20141025 | tG | -17 | Elvehøy H. (NVE), Skirnisson D. (NVE) |
| NO | LANGFJORDJOEKELEN | 323 | 20130807 | 20140924 | tG | -51 | Elvehøy H. (NVE), Ekker R. (NVE) |
| NO | LANGFJORDJOEKELEN | 323 | 20140924 | 20150806 | tG | 6 | Elvehøy H. (NVE), Andreassen L. (NVE) |
| NO | LEIRBREEN | 301 | 20131010 | 20141002 | tG | -21 | Elvehøy H. (NVE), Bakke D. (NVE) |
| NO | LEIRBREEN | 301 | 20141002 | 20151009 | tG | -34 | Elvehøy H. (NVE), Bakke D. (NVE) |
| NO | MAARAADALSBREEN | 4567 | 20131001 | 20141006 | tG | -21 | Elvehøy H. (NVE) |
| NO | MAARAADALSBREEN | 4567 | 20141006 | 20151005 | tG | -6 | Elvehøy H. (NVE) |
| NO | MIDTDALSBREEN | 2295 | 20130827 | 20140825 | tG | -18 | Nesje A. (DES) |
| NO | MIDTDALSBREEN | 2295 | 20140825 | 20150919 | tG | 19 | Nesje A. (NVE) |
| NO | NIGARDSBREEN | 290 | 20131010 | 20140925 | tG | -52 | Elvehøy H. (NVE), Åsen K. (NVE) |
| NO | NIGARDSBREEN | 290 | 20140925 | 20150928 | tG | -39 | Elvehøy H. (NVE), Åsen K. (NVE) |
| NO | REMBESDALSKAAKA | 2296 | 20130926 | 20141015 | tG | -13 | Elvehøy H. (STAK), Riber S. (STAK) |
| NO | REMBESDALSKAAKA | 2296 | 20141015 | 20151014 | tG | 0 | Elvehøy H. (NVE) |
| NO | RUNDVASSBREEN | 2670 | 20130927 | 20140923 | tG | -31 | Elvehøy H. (SISO), Kjøllmoen B. (SISO) |
| NO | STEGHOLTBREEN | 313 | 20130925 | 20141003 | tG | -2 | Elvehøy H. (NVE), Loe E. (NVE) |
| NO | STEGHOLTBREEN | 313 | 20141003 | 20151014 | tG | -8 | Elvehøy H. (NVE), Barfod E. (NVE) |
| NO | STEINDALSBREEN | 2310 | 20130913 | 20141012 | tG | -21 | Elvehøy H. (NVE), Skirnisson D. (NVE) |
| NO | STEINDALSBREEN | 2310 | 20141012 | 20150822 | tG | -12 | Elvehøy H. (NVE), Skirnisson D. (NVE) |
| NO | STORBREEN | 302 | 20130912 | 20140918 | tG | -13 | Andreassen L. (NVE) |
| NO | STORE SUPPHELLEBREEN | 287 | 20131001 | 20141002 | tG | -18 | Kjelland P. (NGM) |
| NO | STORJUVBREEN | 2308 | 20130920 | 20140912 | tG | -10 | Elvehøy H. (NVE), Bakke D. (NVE) |
| NO | STORJUVBREEN | 2308 | 20140912 | 20150929 | tG | -1 | Elvehøy H. (NVE), Bakke D. (NVE) |
| NO | STORSTEINSFJELLBREEN | 1329 | 20130907 | 20140907 | tG | -6 | Elvehøy H. (NVE), Sommerseth J. (NVE) |
| NO | STORSTEINSFJELLBREEN | 1329 | 20140907 | 20151018 | tG | 0 | Elvehøy H. (NVE), Sommerseth J. (NVE) |
| NO | STYGGEBREAN | 4504 | 20131015 | 20141016 | tG | -18 | Elvehøy H. (NMC), Bakke D. (NMC) |
| NO | STYGGEDALSBREEN | 303 | 20131010 | 20141007 | tG | -15 | Elvehøy H. (NVE), Jackson M. (NVE) |
| NO | STYGGEDALSBREEN | 303 | 20141007 | 20151013 | tG | 5 | Elvehøy H. (NVE) |
| NO | SVELGJABREEN | 3343 | 20130920 | 20140916 | tG | -1 | Elvehøy H. (SUNK), Probert J. (SUNK) |
| NO | SVELGJABREEN | 3343 | 20140916 | 20151016 | tG | 3 | Elvehøy H. (NVE), Probert J. (NVE) |
| NO | SYDBREEN | 3351 | 20130712 | 20140630 | tG | -3 | Elvehøy H. (NVE), Berg H. (NVE) |
| NO | SYDBREEN | 3351 | 20140630 | 20150723 | tG | -21 | Elvehøy H. (NVE), Berg H. (NVE) |
| NO | TROLLBERGDALSBREEN | 316 | 20120906 | 20140830 | tG | -44 | Elvehøy H. (NVE), Karlsen J. (NVE) |
| NO | TROLLKYRKJEBREEN | 3606 | 20110822 | 20140907 | tG | -26 | Elvehøy H. (NVE), Klokk T. (NVE) |
| NO | TROLLKYRKJEBREEN | 3606 | 20140907 | 20151011 | tG | -5 | Elvehøy H. (NVE), Klokk T. (NVE) |
| NO | TUFTEBREEN | 3352 | 20130927 | 20141003 | tG | -30 | Elvehøy H. (NVE), Åsen K. (NVE) |
| NO | TUFTEBREEN | 3352 | 20141003 | 20150906 | tG | -5 | Elvehøy H. (NVE), Åsen K. (NVE) |
| NO | VETLE SUPPHELLEBREEN | 3607 | 20131015 | 20141014 | tG | -31 | Kjelland P. (NGM) |
| NO | VETLE SUPPHELLEBREEN | 3607 | 20141014 | 20151016 | tG | 8 | Kjelland P. (NVE) |
| **NP - Nepal** | | | | | | | |
| NP | YALA | 912 | 20120508 | 20140505 | tG | -13 | Joshi S. (ICIMOD) |
| NP | YALA | 912 | 20140505 | 20160506 | tG | -8 | Joshi S. (ICIMOD) |
| **NZ - New Zealand** | | | | | | | |
| NZ | ADAMS | 2923 | 20130312 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | ALMER/SALISBURY | 1548 | 20130312 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | ANDY | 1590 | 20120399 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | ASHBURTON | 1570 | 20130312 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | AXIUS | 2283 | 20130312 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | BALFOUR | 1604 | 20130312 | 20140311 | aX | U | Chinn T. (NIWA) |
| NZ | BALFOUR | 1604 | 20130312 | 20150314 | | ST | |
| NZ | BARLOW | 1608 | 20130312 | 20140311 | aX | ST | Chinn T. (NIWA) |
| NZ | BARLOW | 1608 | 20140311 | 20150314 | | +X | |
| NZ | BLAIR | 1551 | 20130312 | 20140311 | aX | ST | Chinn T. (NIWA) |
| NZ | BLAIR | 1551 | 20120311 | 20150315 | | ST | |
| NZ | BONAR | 1587 | 20129999 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | BREWSTER | 1597 | 20130321 | 20140408 | tG | -18 | Anderson B. (ARC) |
| NZ | BREWSTER | 1597 | 20140408 | 20150314 | aP | -27 | Anderson B. (ARC) |
| NZ | CAMERON | 1565 | 20120311 | 20150315 | | -X | |
| NZ | CROW | 1564 | 20130312 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | CROW | 1564 | 20140311 | 20150314 | | -X | |
| NZ | DAINTY | 2287 | 20130312 | 20140311 | aX | ST | Chinn T. (NIWA) |
| NZ | DART | 898 | 20130312 | 20150314 | | -X | |
| NZ | DISPUTE | 2286 | 20130312 | 20140311 | aX | U | Chinn T. (NIWA) |
| NZ | DONALD | 2284 | 20130312 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | DONNE | 1585 | 20129999 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | DONNE | 1585 | 20130312 | 20150314 | | -X | |
| NZ | DOUGLAS (KAR.) | 1601 | 20130312 | 20150314 | | -X | |
| NZ | FITZGERALD (GOD) | 2278 | 20130312 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | FITZGERALD (GOD) | 2278 | 20140311 | 20150315 | | -X | |
| NZ | FOX | 1536 | 20130821 | 20140310 | | -51 | Purdie H. (UCant/DG), Anderson B. (ARC), Chinn T. (LHIC), Owens I. (UCant/DG) |
| NZ | FOX | 1536 | 20140310 | 20150423 | aP | -250 | Purdie H. (UCant/DG) |
| NZ | FRANZ JOSEF | 899 | 20121014 | 20140309 | | -324 | Purdie H. (UCant/DG), Anderson B. (ARC), Chinn T. (LHIC), Owens I. (UCant/DG) |
| NZ | FRANZ JOSEF | 899 | 20140309 | 20150314 | aP | -120 | Anderson B. (ARC) |
| NZ | FRESHFIELD | 2966 | 20130312 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | FRESHFIELD | 2966 | 20140311 | 20150315 | | -X | |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | METHOD | FV | INVESTIGATORS_(SPONS_AGENCY) |
|---|---|---|---|---|---|---|---|
| NZ | GLENMARY | 1550 | 20130312 | 20140311 | aX | ST | Chinn T. (NIWA) |
| NZ | GODLEY | 1581 | 20130312 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | GODLEY | 1581 | 20140311 | 20150315 | | -X | |
| NZ | GREY & MAUD | 1580 | 20069999 | 20140311 | aX | U | Chinn T. (NIWA) |
| NZ | GREY & MAUD | 1580 | 20140311 | 20150315 | | -X | |
| NZ | GUNN | 1560 | 20130312 | 20140311 | aX | U | Chinn T. (NIWA) |
| NZ | GUNN | 1560 | 20130312 | 20150314 | | -X | |
| NZ | HORACE WALKER | 1600 | 20130312 | 20150314 | | -X | |
| NZ | IVORY | 900 | 20130312 | 20140311 | aX | ST | Chinn T. (NIWA) |
| NZ | KAHUTEA | 1569 | 20140311 | 20150315 | | -X | |
| NZ | KEA | 1545 | 20130312 | 20140311 | aX | ST | Chinn T. (NIWA) |
| NZ | LA PEROUSE | 1605 | 20130312 | 20150314 | | ST | |
| NZ | LEEB-LORNTY | 2288 | 20130312 | 20140311 | aX | ST | Chinn T. (NIWA) |
| NZ | LYELL | 1567 | 20140311 | 20150315 | | -X | |
| NZ | MARION | 1591 | 20130312 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | MARMADUKE DIXON | 1541 | 20140311 | 20150315 | | -X | |
| NZ | METALILLE | 2998 | 20130312 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | MUELLER | 1575 | 20130312 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | MUELLER | 1575 | 20140311 | 20150315 | | -X | |
| NZ | MURCHISON | 1578 | 20130312 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | MURCHISON | 1578 | 20140311 | 20150315 | | -X | |
| NZ | PARK PASS | 1559 | 20120399 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | PARK PASS | 1559 | 20140311 | 20150314 | | -X | |
| NZ | SEPARATION | 2279 | 20130312 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | SIEGE | 1616 | 20130312 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | SIEGE | 1616 | 20140311 | 20150314 | | -X | |
| NZ | SLADDEN | 3611 | 20130312 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | SLADDEN | 3611 | 20140311 | 20150315 | | -X | |
| NZ | SNOW WHITE | 1588 | 20130312 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | SNOW WHITE | 1588 | 20140311 | 20150314 | | -X | |
| NZ | SNOWBALL | 1589 | 20130312 | 20140311 | aX | ST | Chinn T. (NIWA) |
| NZ | SNOWBALL | 1589 | 20140311 | 20150314 | | ST | |
| NZ | SOUTH CAMERON | 3019 | 20140311 | 20150315 | | -X | |
| NZ | ST. JAMES | 2274 | 20140311 | 20150315 | | ST | |
| NZ | STOCKING (TEWAEWAE) | 3023 | 20130312 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | STOCKING (TEWAEWAE) | 3023 | 20140311 | 20150315 | | ST | |
| NZ | STRAUCHON | 1599 | 20130312 | 20140311 | aX | U | Chinn T. (NIWA) |
| NZ | TASMAN | 1074 | 20130312 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | TASMAN | 1074 | 20140311 | 20150315 | | -X | |
| NZ | THURNEYSON | 1554 | 20140311 | 20150315 | | ST | |
| NZ | VERTEBRAE 20 | 3033 | 20130312 | 20140311 | aX | ST | Chinn T. (NIWA) |
| NZ | VICTORIA | 3034 | 20130312 | 20140311 | aX | -X | Chinn T. (NIWA) |
| NZ | VICTORIA | 3034 | 20140311 | 20150315 | | -X | |
| NZ | WHITE | 3037 | 20130312 | 20140311 | aX | ST | Chinn T. (NIWA) |
| NZ | WHITE | 3037 | 20140311 | 20150315 | | ST | |
| NZ | WHYMPER | 1609 | 20130312 | 20140311 | aX | -X | Chinn T. (NIWA) |
| **PE - Peru** | | | | | | | |
| PE | ARTESONRAJU | 3292 | 20139999 | 20149999 | | -3 | Coachin Rapre A. (UGRH/ANA) |
| PE | GAJAP-YANACARCO | 223 | 20139999 | 20149999 | | -22 | Coachin Rapre A. (UGRH/ANA) |
| PE | PASTORURI | 224 | 20139999 | 20149999 | | -4 | Coachin Rapre A. (UGRH/ANA) |
| PE | URUASHRAJU | 221 | 20139999 | 20149999 | | -16 | Coachin Rapre A. (UGRH/ANA) |
| PE | YANAMAREY | 226 | 20139999 | 20149999 | | -3 | Coachin Rapre A. (UGRH/ANA) |
| **PL - Poland** | | | | | | | |
| PL | POD BULA | 1617 | 20131005 | 20141003 | tG | -13 | Nitychoruk J. (PJPS) |
| **SE - Sweden** | | | | | | | |
| SE | HYLLGLACIAEREN | 344 | 20120810 | 20140811 | | -10 | Mercer A. (INK) |
| SE | ISFALLSGLACIAEREN | 333 | 20130808 | 20140813 | tG | -50 | Holmlund P. (INK) |
| SE | KARSOJIETNA | 330 | 20080908 | 20140816 | | -126 | Holmlund P. (INK) |
| SE | MARMAGLACIAEREN | 1461 | 20130810 | 20140809 | tG | -22 | Holmlund P. (INK) |
| SE | MIKKAJEKNA | 338 | 20130805 | 20150815 | tG | -29 | Holmlund P. (INK) |
| SE | RUOPSOKJEKNA | 340 | 20130811 | 20150815 | tG | -30 | Holmlund P. (INK) |
| SE | RUOTESJEKNA | 337 | 20110813 | 20140811 | tG | -41 | Mercer A. (INK) |
| SE | SALAJEKNA | 341 | 20130818 | 20140811 | | -69 | Mercer A. (INK) |
| SE | SALAJEKNA | 341 | 20140811 | 20150820 | tG | -64 | Holmlund P. (INK) |
| SE | SUOTTASJEKNA | 336 | 20110813 | 20140811 | | -35 | Mercer A. (INK) |
| SE | VARTASJEKNA | 339 | 20120813 | 20140811 | | -75 | Mercer A. (INK) |
| **SJ - Svalbard** | | | | | | | |
| SJ | AUSTRE LOVENBREEN | 3812 | 20131002 | 20140930 | tC | -9 | Bernard E. (CNRS), Griselin M. (CNRS), Tolle F. (CNRS), Friedt J. (CNRS) |
| SJ | HANSBREEN | 306 | 20130824 | 20140820 | sC | -250 | Blaszczyk M. (US/FES) |
| SJ | HANSBREEN | 306 | 20140820 | 20150915 | sP | -20 | Blaszczyk M. (US/FES) |
| **US - United States of America** | | | | | | | |
| US | COLUMBIA (2057) | 76 | 20130801 | 20150804 | tG | -30 | Pelto M. (NCGCP) |
| US | DEMING | 1368 | 20110811 | 20140806 | tG | -130 | Pelto M. (NCGCP) |
| US | EASTON | 1367 | 20130811 | 20140806 | tG | -8 | Pelto M. (NCGCP) |
| US | EASTON | 1367 | 20140806 | 20150814 | tG | -34 | Pelto M. (NCGCP) |
| US | LEMON CREEK | 3334 | 20140923 | 20150826 | sM | -6 | McNeil C. (USGS) |
| US | LOWER CURTIS | 77 | 20130804 | 20150812 | tG | -28 | Pelto M. (NCGCP) |
| US | SHOLES | 3295 | 20100810 | 20140810 | tG | -37 | Pelto M. (NCGCP) |
| US | SHOLES | 3295 | 20140810 | 20150807 | tG | -13 | Pelto M. (NCGCP) |
| US | SOUTH CASCADE | 205 | 20130914 | 20141108 | sP | -22 | Whorton E. (USGS), Bachmann M. (USGS) |
| US | SOUTH CASCADE | 205 | 20141108 | 20151014 | sP | -19 | Whorton E. (USGS), Bachmann M. (USGS) |

## APPENDIX - Table 3

MASS BALANCE SUMMARY DATA 2014–2015

| | |
|---|---|
| PU | Political unit, alphabetic 2-digit country code (cf. www.iso.org) |
| GLACIER NAME | Name of the glacier in capital letters, cf. Appendix Table 1 |
| WGMS ID | Key identifier of the glacier, cf. Appendix Table 1 |
| SYS | System of glaciological measurement (cf. Cogley et al., 2011) |
| | FLO: floating-date system |
| | FXD: fixed-date system |
| | STR: stratigraphic system |
| | COM: combined system; usually of STR and FXD according to Mayo et al. (1972) |
| | OTH: other system |
| FROM | Starting date of balance year, in the format YYYYMMDD* |
| TO | Ending date of balance year, in the format YYYYMMDD* |
| AREA | Glacier area (in $km^2$) used for calculation of specific balances |
| BW | Specific winter balance in mm water equivalent |
| BS | Specific summer balance in mm water equivalent |
| BA | Specific annual balance in mm water equivalent |
| ELA | Equilibrium line altitude in metres above sea level |
| AAR | Ratio of accumulation area to total area of the glacier in percent |
| INVESTIGATORS (SPONS_AGENCY) | Names of the investigators and their sponsoring agencies (cf. Section 8) |

*Unknown month or day are each replaced by „99“

| PU | GLACIER_NAME | WGMS_ID | SYS | FROM | TO | AREA | BW | BS | BA | ELA | AAR | INVESTIGATORS_(SPONS_AGENCY) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **AQ - Antarctica** | | | | | | | | | | | | |
| AQ | BAHIA DEL DIABLO | 2665 | COM | 20130301 | 20140228 | 12.9 | | | 190 | 325 | 62 | Ermolin E. (IAA-DG), Marinsek S. (IAA-DG), Seco J. (IAA-DG) |
| AQ | BAHIA DEL DIABLO | 2665 | COM | 20140301 | 20150228 | 12.9 | | | 25 | 380 | 52 | Marinsek S. (IAA-DG), Seco J. (IAA-DG), Ermolin E. (IAA-DG) |
| AQ | HURD | 3367 | COM | 20140123 | 20140206 | 4.03 | 670 | -270 | 400 | 0 | 100 | Navarro F. (UPM/ETSIT) |
| AQ | HURD | 3367 | COM | 20141204 | 20150205 | 4.03 | 940 | -380 | 560 | 0 | 100 | Navarro F. (UPM/ETSIT) |
| AQ | JOHNSONS | 3366 | COM | 20140123 | 20140206 | 5.36 | 750 | -160 | 590 | 0 | 100 | Navarro F. (UPM/ETSIT) |
| AQ | JOHNSONS | 3366 | COM | 20141205 | 20150202 | 5.36 | 1100 | -350 | 750 | 0 | 100 | Navarro F. (UPM/ETSIT) |
| **AR - Argentina** | | | | | | | | | | | | |
| AR | BROWN SUPERIOR | 3903 | | 2013 | 2014 | | | | -1359 | >5180 | 0 | Cabrera G. (IANIGLA), Leiva J. (IANIGLA) |
| AR | BROWN SUPERIOR | 3903 | COM | 20140425 | 20150504 | 0.18 | -204 | -2125 | -2387 | >5115 | 0 | Cabrera G. (IANIGLA) |
| AR | CONCONTA NORTE | 3902 | | 2013 | 2014 | | | | -1783 | >5150 | 0 | Cabrera G. (IANIGLA), Leiva J. (IANIGLA) |
| AR | CONCONTA NORTE | 3902 | COM | 20140423 | 20150506 | 0.07 | -160 | -2632 | -2890 | >5125 | 0 | Cabrera G. (IANIGLA) |
| AR | LOS AMARILLOS | 3904 | | 2013 | 2014 | | | | -950 | >5550 | 0 | Cabrera G. (IANIGLA), Leiva J. (IANIGLA) |
| AR | LOS AMARILLOS | 3904 | COM | 20140428 | 20150514 | 0.78 | -235 | -861 | -1097 | >4915 | 0 | Cabrera G. (IANIGLA) |
| AR | MARTIAL ESTE | 2000 | COM | 20130331 | 20140404 | 0.09 | 950 | -384 | 566 | 1028 | 86 | Iturraspe R. (DRH-TDF/CADIC), Strelin J. (IAA-UNC) |
| AR | MARTIAL ESTE | 2000 | COM | 20140404 | 20150331 | 0.09 | 771 | -929 | -157 | 1072 | 51 | Iturraspe R. (IAA-UNC), Strelin J. (UNTDF) |
| **AT - Austria** | | | | | | | | | | | | |
| AT | GOLDBERG K. | 1305 | | 2013 | 2014 | | 1720 | -1201 | 519 | | | Hynek B. (ZAMG) |
| AT | HALLSTAETTER G. | 535 | FXD | 20131001 | 20140930 | 2.835 | 1275 | -1549 | -274 | 2551 | 57 | Hartl L. (FGUA), Stocker-Waldhuber M. (FGUA), Fischer A. (FGUA), Reingruber K. (FGUA), Helfricht K. (FGUA) |
| AT | HALLSTAETTER G. | 535 | FXD | 20141001 | 20150930 | 2.83 | 2120 | -4174 | -2054 | >2910 | 2 | Hartl L. (FGUA), Reingruber K. (FGUA) |
| AT | HINTEREIS F. | 491 | FXD | 20131001 | 20140930 | 6.66 | 1372 | -1494 | -122 | 2990 | 61 | Prinz R. (ACINN), Galos S. (ACINN), Kaser G. (ACINN) |
| AT | HINTEREIS F. | 491 | | 20141001 | 20150930 | 6.66 | 1367 | -3049 | -1682 | | 17 | Galos S. (ACINN), Covi F. (ACINN), Kaser G. (ACINN) |
| AT | JAMTAL F. | 480 | FXD | 20131001 | 20140930 | 3.08 | 1095 | -1667 | -572 | 2923 | 34 | Fischer A. (HD/LT), Markl G. (HD/LT) |
| AT | JAMTAL F. | 480 | FXD | 20141001 | 20150930 | 3.07 | 1226 | -3242 | -2016 | >3200 | 0 | Fischer A. (HD/LT) |
| AT | KESSELWAND F. | 507 | FXD | 20131001 | 20140930 | 3.61 | | | 459 | 3109 | 78 | Galos S. (ACINN), Prinz R. (ACINN), Kaser G. (ACINN) |
| AT | KESSELWAND F. | 507 | FXD | 20141001 | 20150930 | 3.61 | | | -1169 | | 12 | Galos S. (ACINN), Covi F. (ACINN), Kaser G. (ACINN) |
| AT | KLEINFLEISS K. | 547 | | 2013 | 2014 | | 1850 | -1850 | 0 | | | Hynek B. (ZAMG) |
| AT | OBERSULZBACH K. | 583 | FXD | 20131001 | 20140930 | 2.17 | 1317 | -1469 | -152 | 2812 | 67 | Seiser B. (HD/SB), Fischer A. (HD/SB) |
| AT | OBERSULZBACH K. | 583 | FXD | 20141001 | 20150930 | 1.99 | 1250 | -2817 | -1567 | 3110 | 38 | Seiser B. (HD/SB) |
| AT | PASTERZE | 566 | COM | 20130925 | 20140923 | 16.28 | | | -509 | 2860 | 69 | Hynek B. (ZAMG), Neureiter A. (ZAMG) |
| AT | PASTERZE | 566 | COM | 20140923 | 20151012 | 16.28 | | | -1434 | 3075 | 32 | Hynek B. (ZAMG), Neureiter A. (ZAMG) |
| AT | STUBACHER SONNBLICK K. | 573 | STR | 20130910 | 20141022 | 0.99 | | | 274 | 2740 | 76 | Slupetzky H. (HD/SB) |
| AT | STUBACHER SONNBLICK K. | 573 | STR | 20141023 | 20150919 | 0.93 | | | -2734 | 2995 | 1 | Slupetzky H. (HD/SB), Wiesenegger H. (HD/SB) |
| AT | VERNAGT F. | 489 | | 20130924 | 20140924 | 7.36 | | | -144 | 3127 | 57 | Braun L. (CGGBAS), Mayer C. (CGGBAS) |
| AT | VERNAGT F. | 489 | | 2014 | 2015 | 7.3 | 868 | -2136 | -1268 | 3241 | 15 | Braun L. (CGGBAS), Mayer C. (CGGBAS) |
| AT | WURTEN K. | 545 | COM | 20131008 | 20140929 | 0.33 | | | -380 | 2650 | 37 | Reisenhofer S. (ZAMG) |
| AT | WURTEN K. | 545 | COM | 20140929 | 20150930 | 0.33 | | | -1275 | 2700 | 12 | Reisenhofer S. (ZAMG) |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | FXD | 20131001 | 20140930 | 2.93 | 1161 | -1044 | 117 | 3044 | 59 | Stocker-Waldhuber M. (HD/LT), Fischer A. (HD/LT) |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | | 20141001 | 20150930 | 2.8 | 1367 | -2966 | -1599 | >3470 | 9 | Stocker-Waldhuber M. (HD/LT) |
| **BO - Bolivia** | | | | | | | | | | | | |
| BO | CHARQUINI SUR | 2667 | FXD | 20130924 | 20140826 | 0.31 | | | -310 | 5207 | 21 | Soruco A. (UMSA), Rabatel A. (LGGE), Sicart J. (IRD), Condom T. (IRD), Ginot P. (IRD) |
| BO | CHARQUINI SUR | 2667 | FXD | 20140826 | 20150904 | 0.31 | | | 78 | 5190 | 21 | Soruco A. (UMSA), Rabatel A. (LGGE), Sicart J. (IRD), Condom T. (IRD), Ginot P. (IRD) |
| BO | ZONGO | 1503 | FXD | 20130919 | 20140901 | 1.89 | | | -97 | 5392 | 60 | Soruco A. (UMSA), Rabatel A. (LGGE), Sicart J. (IRD), Condom T. (IRD), Ginot P. (IRD) |
| BO | ZONGO | 1503 | FXD | 20140901 | 20150903 | 1.89 | | | 368 | 5317 | 68 | Soruco A. (UMSA), Rabatel A. (LGGE), Sicart J. (IRD), Condom T. (IRD), Ginot P. (IRD) |
| **CA - Canada** | | | | | | | | | | | | |
| CA | DEVON ICE CAP NW | 39 | STR | 20140510 | 20150414 | 1668 | 174 | -408 | -246 | 1381 | 27 | Burgess D. (GSC) |
| CA | DEVON ICE CAP NW | 39 | STR | 20150414 | 20160504 | 1668 | 123 | -518 | -395 | 1554 | 13 | Burgess D. (GSC) |
| CA | HELM | 45 | | 2014 | 2015 | | | | -2500 | >2200 | 0 | Demuth M. (GSC), Ednie M. (GSC) |
| CA | MEIGHEN ICE CAP | 16 | STR | 20140417 | 20150427 | 60 | 225 | -168 | 57 | <90 | 100 | Burgess D. (GSC) |
| CA | MEIGHEN ICE CAP | 16 | STR | 20150427 | 20160420 | 58 | 148 | -1040 | -892 | >260 | 0 | Burgess D. (GSC) |
| CA | MELVILLE SOUTH ICE CAP | 3690 | STR | 20140424 | 20150502 | 51 | 196 | -355 | -159 | >715 | 0 | Burgess D. (GSC) |
| CA | MELVILLE SOUTH ICE CAP | 3690 | STR | 20150502 | 20160426 | 51 | 184 | -1332 | -1148 | >715 | 0 | Burgess D. (GSC) |
| CA | PEYTO | 57 | | 2013 | 2014 | | | | -1630 | 3008 | 1 | Demuth M. (GSC) |
| CA | PEYTO | 57 | | 2014 | 2015 | | | | -1538 | >3190 | 0 | Demuth M. (GSC) |
| CA | PLACE | 41 | | 2014 | 2015 | | | | -1590 | 2470 | 70 | Demuth M. (GSC), Ednie M. (GSC) |
| CA | WHITE | 0 | STR | 20131001 | 20140930 | 38.54 | | | -417 | 1329 | 25 | Thomson L. (Uottawa/DG), Copland L. (Uottawa/DG), Ecclestone M. (TU/G), Cogley J. (TU/G) |
| CA | WHITE | 0 | STR | 20141001 | 20150930 | 38.54 | | | -693 | 1375 | 17 | Thomson L. (Uottawa/DG), Ecclestone M. (TU/G), Copland L. (Uotta-wa/DG), Cogley J. (TU/G) |
| **CH - Switzerland** | | | | | | | | | | | | |
| CH | ADLER | 3801 | FLO | 20130925 | 20140927 | 2.01 | 975 | -745 | 230 | 3355 | 65 | Huss M. (DGUF), Salzmann N. (DGUF), Leysinger-Vieli G. (GIUZ) |
| CH | ADLER | 3801 | FLO | 20140927 | 20150921 | 2.01 | 985 | -1363 | -378 | 3495 | 42 | Huss M. (DGUF), Salzmann N. (DGUF), Leysinger-Vieli G. (GIUZ) |
| CH | ALLALIN | 394 | | 20130829 | 20140902 | 9.71 | 1359 | | 77 | 3285 | 59 | Bauder A. (VAW), Huss M. (VAW) |
| CH | ALLALIN | 394 | FLO | 20140902 | 20150921 | 9.66 | | | -656 | 3385 | 48 | Bauder A. (VAW), Huss M. (VAW) |
| CH | BASODINO | 463 | FLO | 20130913 | 20140926 | 2.28 | 1728 | -1978 | -250 | 2920 | 30 | Kappenberger G. (private) |
| CH | BASODINO | 463 | FLO | 20140926 | 20150926 | 1.84 | 1928 | -3273 | -1345 | 3125 | 1 | Kappenberger G. (private) |
| CH | CLARIDENFIRN | 2660 | | 20130906 | 20140915 | 5.13 | 1439 | | -501 | 2885 | 44 | Steinegger U. (VAW), Kappenberger G. (VAW), Huss M. (VAW), Bauder A. (VAW) |
| CH | CLARIDENFIRN | 2660 | FLO | 20140915 | 20151011 | 4.55 | 1690 | -3052 | -1362 | 2935 | 27 | Steinegger U. (VAW), Kappenberger G. (VAW), Huss M. (VAW), Bauder A. (VAW) |
| CH | CORBASSIERE | 366 | | 20130925 | 20140908 | 16.01 | 1202 | | -221 | 3085 | 62 | Bauder A. (VAW), Huss M. (VAW) |
| CH | CORBASSIERE | 366 | FLO | 20140908 | 20150908 | 15.17 | | | -1449 | 3555 | 17 | Bauder A. (VAW), Huss M. (VAW) |
| CH | CORVATSCH SOUTH | 4535 | FLO | 20130831 | 20140830 | 0.23 | 1099 | -978 | 120 | 3267 | 41 | Fischer M. (DGUF) |
| CH | CORVATSCH SOUTH | 4535 | FLO | 20141004 | 20150919 | 0.23 | 812 | -2455 | -1643 | 3347 | 1 | Fischer M. (DGUF), Huss M. (DGUF) |
| CH | FINDELEN | 389 | FLO | 20130925 | 20140927 | 12.88 | 1258 | -1099 | 159 | 3185 | 70 | Huss M. (DGUF), Salzmann N. (DGUF), Leysinger-Vieli G. (GIUZ) |
| CH | FINDELEN | 389 | FLO | 20140927 | 20150921 | 12.88 | 1197 | -1803 | -606 | 3305 | 54 | Huss M. (DGUF), Salzmann N. (DGUF), Leysinger-Vieli G. (GIUZ) |
| CH | GIETRO | 367 | | 20130925 | 20140908 | 5.43 | 1373 | | -198 | 3225 | 52 | Bauder A. (VAW), Huss M. (VAW) |
| CH | GIETRO | 367 | FLO | 20140908 | 20150908 | 5.32 | | | -1271 | 3355 | 14 | Bauder A. (VAW), Huss M. (VAW) |
| CH | GRIES | 359 | FLO | 20130929 | 20140910 | 4.97 | 1620 | -2230 | -610 | 3000 | 35 | Funk M. (VAW), Bauder A. (VAW) |
| CH | GRIES | 359 | FLO | 20140910 | 20150908 | 4.43 | 1764 | -3477 | -1713 | 3255 | 0 | Bauder A. (VAW), Funk M. (VAW) |
| CH | HOHLAUB | 3332 | | 20130829 | 20140902 | 2.14 | 1377 | | -53 | 3185 | 54 | Bauder A. (VAW), Huss M. (VAW) |
| CH | HOHLAUB | 3332 | FLO | 20140902 | 20150921 | 2.14 | | | -1010 | 3465 | 19 | Bauder A. (VAW), Huss M. (VAW) |
| CH | MURTEL | 4339 | FLO | 20130901 | 20140831 | 0.3 | 1441 | -1013 | 427 | 3162 | 72 | Fischer M. (DGUF) |
| CH | MURTEL | 4339 | FLO | 20141004 | 20150919 | 0.3 | 1076 | -1978 | -902 | 3222 | 20 | Fischer M. (DGUF), Huss M. (DGUF) |
| CH | PIZOL | 417 | FLO | 20130923 | 20140920 | 0.07 | 1148 | -2371 | -1223 | 2760 | 1 | Huss M. (DGUF) |
| CH | PIZOL | 417 | FLO | 20140920 | 20150927 | 0.07 | 1856 | -3357 | -1501 | 2777 | 1 | Huss M. (DGUF) |

| PU | GLACIER_NAME | WGMS_ID | SYS | FROM | TO | AREA | BW | BS | BA | ELA | AAR | INVESTIGATORS_(SPONS_AGENCY) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CH | PLAINE MORTE | 4246 | FLO | 20131002 | 20140928 | 7.88 | 1014 | -1972 | -958 | 2805 | 3 | Huss M. (DGUF) |
| CH | PLAINE MORTE | 4246 | FLO | 20140928 | 20151023 | 7.55 | 1235 | -3630 | -2395 | 2935 | 0 | Huss M. (DGUF) |
| CH | RHONE | 473 | FLO | 20130927 | 20140912 | 15.81 | 1195 | -1578 | -383 | 2905 | 57 | Bauder A. (VAW) |
| CH | RHONE | 473 | FLO | 20140910 | 20150910 | 15.57 | 1723 | -2806 | -1083 | 2995 | 45 | Bauder A. (VAW) |
| CH | SANKT ANNA | 432 | FLO | 20131002 | 20140923 | 0.2 | 1881 | -2319 | -438 | 2792 | 14 | Fischer M. (DGUF) |
| CH | SANKT ANNA | 432 | FLO | 20140923 | 20150928 | 0.19 | 1801 | -3278 | -1477 | 2917 | 0 | Fischer M. (DGUF), Huss M. (DGUF) |
| CH | SCHWARZBACH | 4340 | FLO | 20130907 | 20140924 | 0.06 | 2065 | -2607 | -541 | 2812 | 14 | Fischer M. (DGUF) |
| CH | SCHWARZBACH | 4340 | FLO | 20140924 | 20150928 | 0.05 | 2203 | -3461 | -1258 | 2832 | 1 | Fischer M. (DGUF), Huss M. (DGUF) |
| CH | SCHWARZBERG | 395 | | 20130829 | 20140902 | 5.17 | 1789 | | -9 | 3035 | 52 | Bauder A. (VAW), Huss M. (VAW) |
| CH | SCHWARZBERG | 395 | FLO | 20140902 | 20150921 | 0.84 | | | -1331 | 3225 | 22 | Bauder A. (VAW), Huss M. (VAW) |
| CH | SEX ROUGE | 454 | FLO | 20130914 | 20140922 | 0.27 | 1176 | -1789 | -613 | 2832 | 10 | Fischer M. (DGUF) |
| CH | SEX ROUGE | 454 | FLO | 20140922 | 20150920 | 0.27 | 1447 | -3660 | -2213 | 2882 | 0 | Fischer M. (DGUF), Huss M. (DGUF) |
| CH | SILVRETTA | 408 | FLO | 20130922 | 20140920 | 2.71 | 1100 | -2050 | -950 | 2975 | 10 | Funk M. (VAW), Bauder A. (VAW) |
| CH | SILVRETTA | 408 | FLO | 20140920 | 20150925 | 2.68 | 1397 | -3046 | -1649 | 3025 | 1 | Bauder A. (VAW) |
| CH | TSANFLEURON | 371 | FLO | 20130913 | 20140911 | 2.65 | 1383 | -2025 | -642 | 2836 | 22 | Huss M. (DGUF) |
| CH | TSANFLEURON | 371 | FLO | 20140911 | 20150921 | 2.62 | 1565 | -4309 | -2744 | 2975 | 0 | Salzmann N. (DGUF), Huss M. (DGUF) |
| **CH - Chile** | | | | | | | | | | | | |
| CL | AMARILLO | 3905 | | 2013 | 2014 | | | | -1319 | >5300 | 0 | Cabrera G. (IANIGLA), Leiva J. (IANIGLA) |
| CL | AMARILLO | 3905 | COM | 20140426 | 20150514 | 0.17 | -139 | -1241 | -1393 | >5160 | 0 | Cabrera G. (IANIGLA) |
| CL | ECHAURREN NORTE | 1344 | | 2013 | 2014 | | 1960 | -2900 | -940 | | | Barcaza G. (DGA) |
| CL | ECHAURREN NORTE | 1344 | | 2014 | 2015 | | 1180 | -2900 | -1720 | | | Barcaza G. (DGA) |
| CL | GUANACO | 3983 | COM | 20130401 | 20140331 | 1.64 | 70 | -950 | -880 | | | Rivera A. (CECS) |
| CL | GUANACO | 3983 | | 2014 | 2015 | 1.6 | | | -1130 | | | Rivera A. (CECS) |
| **CN - China** | | | | | | | | | | | | |
| CN | PARLUNG NO. 94 | 3987 | FLO | 20131005 | 20141002 | 2.36 | | | -1116 | 5435 | 19 | Li S. (CAS/ITPR), Yang W. (CAS/ITPR) |
| CN | PARLUNG NO. 94 | 3987 | FLO | 20141002 | 20150929 | 2.36 | | | -653 | 5403 | 29 | Li S. (CAS/ITPR), Yang W. (CAS/ITPR) |
| CN | URUMQI GLACIER NO. 1 | 853 | FXD | 20130829 | 20140901 | 1.62 | 127 | -312 | -185 | 4050 | 49 | Li H. (CAREERI) |
| CN | URUMQI GLACIER NO. 1 | 853 | FXD | 20140901 | 20150902 | 1.59 | 173 | -988 | -815 | 4165 | 19 | Li H. (CAREERI) |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | FXD | 20130829 | 20140901 | 1.03 | 119 | -347 | -228 | 3995 | 50 | Li H. (CAREERI) |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | FXD | 20140901 | 20150828 | 1.02 | 161 | -1093 | -932 | 4147 | 12 | Li H. (CAREERI) |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | FXD | 20130829 | 20140901 | 0.59 | 140 | -249 | -109 | 4105 | 48 | Li H. (CAREERI) |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | FXD | 20140901 | 20150902 | 0.57 | 194 | -801 | -607 | 4196 | 31 | Li H. (CAREERI) |
| **CO - Colombia** | | | | | | | | | | | | |
| CO | CONEJERAS | 2721 | FXD | 20140101 | 20141231 | 0.2 | | | -4082 | >4950 | 0 | Ceballos Lievano J. (IDEAM) |
| CO | CONEJERAS | 2721 | FXD | 20150101 | 20151231 | 0.2 | | | -5599 | >5003 | 0 | Ceballos Lievano J. (IDEAM) |
| CO | RITACUBA BLANCO | 2763 | FXD | 20140101 | 20141231 | 0.36 | | | -119 | 5028 | 47 | Ceballos Lievano J. (IDEAM) |
| CO | RITACUBA BLANCO | 2763 | FXD | 20150101 | 20151231 | 0.36 | | | -887 | 5130 | 8 | Ceballos Lievano J. (IDEAM) |
| **EC - Ecuador** | | | | | | | | | | | | |
| EC | ANTIZANA15ALPHA | 1624 | FXD | 20140111 | 20150108 | 0.3 | | | -267 | 5127 | 64 | Cáceres Correa B. (INAMHI) |
| EC | ANTIZANA15ALPHA | 1624 | | 20150101 | 20151231 | | | | -305 | 5122 | 71 | Cáceres Correa B. (INAMHI) |
| **ES - Spain** | | | | | | | | | | | | |
| ES | MALADETA | 942 | FXD | 20130925 | 20140926 | 0.25 | 2533 | -2455 | 78 | 3090 | 58 | Cobos G. (UPV), Pedrero A. (I75SA), Lastrada E. (SPESA), Conejo J. (I75SA) |
| ES | MALADETA | 942 | FXD | 20140926 | 20151023 | 0.24 | 1887 | -3647 | -1760 | >3200 | 0 | Cobos G. (UPV) |
| **FR - France** | | | | | | | | | | | | |
| FR | ARGENTIERE | 354 | STR | 20131017 | 20141014 | | | | -720 | | | Vincent C. (CNRS), Six D. (CNRS) |
| FR | ARGENTIERE | 354 | STR | 20141014 | 20150925 | | | | -2480 | | | Six D. (CNRS), Vincent C. (CNRS) |
| FR | GEBROULAZ | 352 | STR | 20131009 | 20140925 | | | | -270 | | | Vincent C. (CNRS), Six D. (CNRS) |
| FR | GEBROULAZ | 352 | STR | 20140925 | 20151023 | | | | -2080 | | | Six D. (CNRS), Vincent C. (CNRS) |
| FR | OSSOUE | 2867 | STR | 20131006 | 20141011 | | 3080 | -3390 | -310 | 3100 | | René P. (AM) |
| FR | OSSOUE | 2867 | STR | 20141011 | 20151010 | | 2590 | -4870 | -2280 | | 0 | René P. (AM) |
| FR | SAINT SORLIN | 356 | STR | 20131004 | 20140927 | | | | -1340 | | | Vincent C. (CNRS), Six D. (CNRS) |
| FR | SAINT SORLIN | 356 | STR | 20140927 | 20151009 | | | | -2980 | | | Vincent C. (CNRS), Six D. (CNRS) |
| FR | SARENNES | 357 | STR | 20131018 | 20141104 | | 1410 | -3320 | -1910 | | | Thibert E. (IRSTEA) |
| FR | SARENNES | 357 | FLO | 20141104 | 20151012 | | 877 | -4297 | -3420 | >2973 | 0 | Thibert E. (IRSTEA) |
| FR | TRE LA TETE | 1314 | FLO | 20139999 | 20140930 | 8 | | | -460 | 3050 | 53 | Moreau L. (GLACIOLAB) |
| **GL - Greenland** | | | | | | | | | | | | |
| GL | FREYA | 3350 | FLO | 20130814 | 20140818 | 5.3 | 1104 | -710 | 394 | <270 | 94 | Hynek B. (ZAMG) |
| GL | FREYA | 3350 | FLO | 20140818 | 20150817 | 5.3 | 935 | -838 | 97 | 670 | 70 | Hynek B. (ZAMG) |
| GL | MITTIVAKKAT | 1629 | | 2013 | 2014 | 15.9 | | | -1200 | 750 | 11 | Knudsen N. (DESA), Mernild S. (CECS), Markussen T. (GEUS Geology), Andersen M. (GEUS Geology) |
| GL | MITTIVAKKAT | 1629 | | 2014 | 2015 | 15.94 | 1620 | -1420 | 200 | 450 | 71 | Knudsen N. (DESA), Mernild S. (CECS), Markussen T. (GEUS Geology), Andersen M. (GEUS Geology) |
| GL | QASIGIANNGUIT | 4566 | | 20131004 | 20140903 | 0.71 | 802 | | -324 | 920 | 20 | Abermann J. (GEM-CB) |
| GL | QASIGIANNGUIT | 4566 | | 20140903 | 20150907 | 0.71 | 1328 | | 217 | 750 | 62 | Abermann J. (GEM-CB) |
| **IN - India** | | | | | | | | | | | | |
| IN | CHHOTA SHIGRI | 2921 | | 2013 | 2014 | | | | -80 | 5010 | 54 | Ramanathan A. (JNU/SES) |
| **IS - Iceland** | | | | | | | | | | | | |
| IS | BRUARJOKULL | 3067 | | 2013 | 2014 | 1525 | 1915 | -1949 | -34 | 1210 | 63 | Pálsson F. (IES), Gunnarsson A. (NPC) |
| IS | BRUARJOKULL | 3067 | | 2014 | 2015 | | 2087 | -1043 | 1044 | 1050 | 77 | Pálsson F. (IES), Gunnarsson A. (NPC) |
| IS | DYNGJUJOKULL | 3068 | | 2013 | 2014 | 1060 | 1706 | -1535 | 171 | 1278 | 70 | Pálsson F. (IES), Gunnarsson A. (NPC) |
| IS | DYNGJUJOKULL | 3068 | | 2014 | 2015 | | 2223 | -754 | 1469 | 1130 | 79 | Pálsson F. (IES), Gunnarsson A. (NPC) |
| IS | EYJABAKKAJOKULL | 3069 | | 2013 | 2014 | 112 | 2292 | -2645 | -353 | 1126 | 52 | Pálsson F. (IES), Gunnarsson A. (NPC) |
| IS | EYJABAKKAJOKULL | 3069 | | 2014 | 2015 | | 2263 | -1529 | 734 | 1020 | 65 | Pálsson F. (IES), Gunnarsson A. (NPC) |
| IS | HOFSJOKULL E | 3088 | FLO | 20131008 | 20141009 | 212.27 | 1360 | -2350 | -990 | 1240 | 42 | Þorsteinsson Þ. (IMO) |
| IS | HOFSJOKULL E | 3088 | FLO | 20141009 | 20151008 | 212.27 | 1950 | -1100 | 850 | 1030 | 66 | Þorsteinsson Þ. (IMO) |
| IS | HOFSJOKULL N | 3089 | FLO | 20131009 | 20141008 | 81.6 | 1460 | -2410 | -950 | 1350 | 36 | Þorsteinsson Þ. (IMO) |
| IS | HOFSJOKULL N | 3089 | FLO | 20141008 | 20151009 | 74.31 | 1720 | -1290 | 430 | 1170 | 65 | Þorsteinsson Þ. (IMO) |
| IS | HOFSJOKULL SW | 3090 | FLO | 20131009 | 20141010 | 51.5 | 1260 | -2250 | -990 | 1375 | 44 | Þorsteinsson Þ. (IMO) |
| IS | HOFSJOKULL SW | 3090 | FLO | 20141008 | 20151008 | 51.37 | 2360 | -980 | 1380 | 1150 | 70 | Þorsteinsson Þ. (IMO) |
| IS | KOLDUKVISLARJ. | 3096 | | 2013 | 2014 | 300 | 1224 | -2101 | -877 | 1520 | 43 | Pálsson F. (IES), Gunnarsson A. (NPC) |
| IS | KOLDUKVISLARJ. | 3096 | | 2014 | 2015 | | 2061 | -987 | 1074 | 1220 | 74 | Pálsson F. (IES), Gunnarsson A. (NPC) |
| IS | LANGJOKULL ICE CAP | 3660 | | 2013 | 2014 | 880 | 1463 | -3413 | -1950 | | 8 | Pálsson F. (IES), Gunnarsson A. (NPC) |
| IS | LANGJOKULL ICE CAP | 3660 | | 2014 | 2015 | | 2438 | -2025 | 413 | | 65 | Pálsson F. (IES), Gunnarsson A. (NPC) |
| IS | TUNGNAARJOKULL | 3126 | | 2013 | 2014 | 345 | 1372 | -2906 | -1535 | 1415 | 28 | Pálsson F. (IES), Gunnarsson A. (NPC) |
| IS | TUNGNAARJOKULL | 3126 | | 2014 | 2015 | | 1964 | -1768 | 196 | 1125 | 61 | Pálsson F. (IES), Gunnarsson A. (NPC) |

| PU | GLACIER_NAME | WGMS_ID | SYS | FROM | TO | AREA | BW | BS | BA | ELA | AAR | INVESTIGATORS_(SPONS_AGENCY) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **IT - Italy** | | | | | | | | | | | | |
| IT | CALDERONE | 1107 | COM | 20130914 | 20140913 | 0.04 | 5978 | | | | | Pecci M. (CGI) |
| IT | CALDERONE | 1107 | COM | 20140913 | 20150912 | 0.04 | 3107 | | | | | Pecci M. (CGI), Pecci M. (ITAC), d'Aquila P. (CNSAS), Cappelletti D. (CGI), Caira T. (ITAC), Iurisci C. (ITAC) |
| IT | CAMPO SETT. | 1106 | FLO | 20131006 | 20140927 | 0.3 | | | 37 | 3025 | 57 | Scotti R. (SGL), Colombarolli D. (SGL), Ortelli M. (SGL) |
| IT | CAMPO SETT. | 1106 | FLO | 20140927 | 20150920 | 0.3 | | | -1799 | 3090 | 13 | Scotti R. (SGL), Colombarolli D. (SGL), Bera A. (SGL) |
| IT | CARESER | 635 | FLO | 20130928 | 20140925 | 1.58 | 1576 | -1707 | -131 | 3061 | 48 | Carturan L. (UP/TeSAF) |
| IT | CARESER | 635 | FLO | 20140925 | 20150919 | 1.31 | 878 | -3353 | -2475 | >3275 | 0 | Carturan L. (UP/TeSAF), Trenti A. (MeteoTrentino) |
| IT | CIARDONEY | 1264 | COM | 20130913 | 20140922 | 0.57 | 1850 | -2410 | -560 | 3050 | 25 | Mercalli L. (SMI), Cat Berro D. (SMI), Fornengo F. (SMI) |
| IT | CIARDONEY | 1264 | COM | 20140922 | 20150915 | 0.57 | 1731 | -3562 | -1831 | >3150 | 0 | Mercalli L. (SMI), Berro D. (SMI), Fornengo F. (SMI) |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | FXD | 20130925 | 20140928 | 0.4 | 1842 | -1375 | 467 | 2875 | 1 | Dinale R. (UI/HA), Di Lullo A. (UI/HA) |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | FXD | 20140928 | 20150922 | 0.4 | 1196 | -2487 | -1291 | >3400 | 0 | Dinale R. (UI/HA), Di Lullo A. (UI/HA) |
| IT | GRAND ETRET | 1238 | | 2013 | 2014 | 0.53 | | | -569 | | | Bertoglio V. (CGI) |
| IT | GRAND ETRET | 1238 | | 20140999 | 20150919 | 0.53 | 1452 | -3243 | -1791 | >3100 | 0 | Bertoglio V. (CGI) |
| IT | LA MARE (VEDRETTA DE) | 636 | FLO | 20130914 | 20140909 | 2.06 | 1509 | -679 | 830 | 3012 | 86 | Carturan L. (UP/TeSAF) |
| IT | LA MARE (VEDRETTA DE) | 636 | FLO | 20140909 | 20150912 | 2.06 | 755 | -2070 | -1315 | >3586 | 5 | Carturan L. (UP/TeSAF) |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | FXD | 20131001 | 20140930 | 1.6 | 1642 | -1200 | 442 | <2973 | 78 | Galos S. (UI/HA) |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | | 2014 | 2015 | | | | -1727 | | | Galos S. (UI/HA) |
| IT | LUPO | 1138 | FLO | 20130928 | 20141008 | 0.2 | 3993 | -2624 | 1369 | 2435 | 99 | Scotti R. (SGL), Hagg W. (SGL), Ortelli M. (SGL) |
| IT | LUPO | 1138 | FLO | 20141008 | 20151113 | 0.2 | 3074 | -4635 | -1561 | >2760 | 8 | Scotti R. (SGL), Hagg W. (SGL), Bulanti D. (SGL), De Zaiacomo M. (SGL), Ortelli M. (SGL) |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | FLO | 20130924 | 20140929 | 6.03 | 1592 | -1559 | 34 | 3011 | 45 | Franchi G. (UI/HA), Rossi G. (UI/HA) |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | FLO | 20140929 | 20150927 | 6 | 1439 | -2652 | -1213 | 3220 | 19 | Franchi G. (UI/HA), Rossi G. (UI/HA) |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | FLO | 20130924 | 20140929 | 8.82 | 175 | -186 | -11 | 2834 | 31 | Franchi G. (UI/HA), Rossi G. (UI/HA) |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | FLO | 20140929 | 20150927 | 0.85 | 1702 | -3202 | -1500 | 2962 | 0 | Franchi G. (UI/HA), Rossi G. (UI/HA) |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | FXD | 20130924 | 20140926 | 1.82 | 1498 | -1353 | 146 | 3000 | 51 | Dinale R. (UI/HA), Di Lullo A. (UI/HA) |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | FXD | 20140926 | 20151001 | 1.7 | 1037 | -2658 | -1622 | >3325 | 0 | Dinale R. (UI/HA), Di Lullo A. (UI/HA) |
| IT | SURETTA MERID. | 2488 | FLO | 20131009 | 20141007 | 0.16 | | | 378 | 2755 | 66 | Scotti R. (SGL), Villa F. (SGL), Hagg W. (SGL), Bulanti D. (SGL) |
| IT | SURETTA MERID. | 2488 | FLO | 20141007 | 20150927 | 0.16 | 2584 | -3493 | -909 | 2825 | 16 | Scotti R. (SGL), Villa F. (SGL), Hagg W. (SGL), Bulanti D. (SGL), Rampazzo R. (SGL) |
| IT | TIMORION | 1282 | | 2013 | 2014 | | | | -155 | | | Morra di Cella U. (ARPA) |
| IT | TIMORION | 1282 | FLO | 20140923 | 20150915 | 0.45 | 900 | -2370 | -1470 | >3485 | 0 | Morra di Cella U. (ARPA) |
| **JP - Japan** | | | | | | | | | | | | |
| JP | HAMAGURI YUKI | 897 | | 20130927 | 20141008 | | | -6596 | | | | Fujita K. (DHAS), Fukui K. (DHAS) |
| JP | HAMAGURI YUKI | 897 | | 20141008 | 20151009 | | 6929 | -7258 | -329 | | | Fujita K. (DHAS), Fukui K. (DHAS) |
| **KE - Kenya** | | | | | | | | | | | | |
| KE | LEWIS | 695 | FLO | 20130308 | 20140223 | 0.11 | | | -934 | >4871 | | Prinz R. (ACINN) |
| **KG - Kyrgyzstan** | | | | | | | | | | | | |
| KG | ABRAMOV | 732 | FLO | 20130816 | 20140818 | 24.01 | 1234 | -1900 | -665 | 4245 | 47 | Barandun M. (DGUF) |
| KG | ABRAMOV | 732 | FLO | 20140818 | 20150827 | 24.01 | 2049 | -2083 | -33 | 4185 | 62 | Barandun M. (DGUF) |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | FLO | 20130826 | 20140829 | 1.11 | 63 | -499 | -435 | 4275 | 31 | Kenzhebaev R. (CAIAG), Barandun M. (DGUF), Kronenberg M. (DGUF), Azisov E. (CAIAG) |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | | 2014 | 2015 | | | | -499 | | | Kenzhebaev R. (CAIAG), Barandun M. (DGUF), Kronenberg M. (DGUF), Azisov E. (CAIAG) |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | FLO | 20130825 | 20140827 | 6.41 | 158 | | -675 | 4265 | 29 | Kronenberg M. (DGUF), Barandun M. (DGUF), Farinotti D. (WSL), Azisov E. (CAIAG), Usubaliev R. (CAIAG) |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | FLO | 20140827 | 20150809 | 6.79 | 167 | -803 | -635 | 4265 | 28 | Barandun C. (DGUF), Usubaliev R. (CAIAG), Azisov E. (CAIAG), Hoelzle M. (DGUF) |
| KG | GLACIER NO. 599 (KJUNGEI ALA-TOO) | 10402 | FLO | 20140620 | 20150619 | 1.53 | | | -62 | 4031 | 62 | Azisov E. (CAIAG), Usubaliev R. (CAIAG), Osmonov A. (CAIAG), Daiyrov M. (CAIAG) |
| KG | GOLUBIN | 753 | FLO | 20130723 | 20140903 | 5.45 | 558 | -2557 | -1999 | 4245 | 2 | Azisov E. (CAIAG), Barandun M. (DGUF), Usubaliev R. (CAIAG), Kronenberg M. (DGUF), Vorogushyn S. (GFZ Potsdam) |
| KG | GOLUBIN | 753 | FLO | 20140903 | 20150814 | 5.44 | 550 | -1221 | -671 | 4115 | 28 | Azisov E. (CAIAG), Barandun M. (DGUF), Usubaliev R. (CAIAG), Kronenberg M. (DGUF), Vorogushyn S. (GFZ Potsdam) |
| KG | KARA-BATKAK | 813 | STR | 20139999 | 20140916 | 2.78 | 340 | -1290 | -950 | | | Popovnin V., Satylkanov R., Shatravin V. (all: TshMRC) |
| KG | KARA-BATKAK | 813 | STR | 20140916 | 20150922 | 2.74 | 500 | -1380 | -880 | 4070 | 34 | Popovnin V., Satylkanov R., Shatravin V. (all: TshMRC) |
| KG | SARY TOR (NO.356) | 805 | STR | 20149999 | 20150905 | 2.65 | 420 | -1240 | -820 | >4800 | 0 | Popovnin V., Satylkanov R., Shatravin V. (all: TshMRC) |
| **KZ - Kazakhstan** | | | | | | | | | | | | |
| KZ | TS.TUYUKSUYSKIY | 817 | STR | 20131010 | 20140919 | 2.28 | 195 | -1283 | -1088 | 3920 | 29 | Kasatkin N. (IGNANKaz) |
| KZ | TS.TUYUKSUYSKIY | 817 | STR | 20140920 | 20150919 | 2.27 | 654 | -1407 | -756 | 3900 | 31 | Kasatkin N. (IGNANKaz) |
| **NO - Norway** | | | | | | | | | | | | |
| NO | AALFOTBREEN | 317 | STR | 20130925 | 20141015 | 3.97 | 3638 | -5291 | -1653 | >1368 | 0 | Kjøllmoen B. (NVE) |
| NO | AALFOTBREEN | 317 | STR | 20141015 | 20151016 | 3.97 | 4209 | -2810 | 1400 | 1020 | 96 | Kjøllmoen B. (NVE) |
| NO | AUSTDALSBREEN | 321 | STR | 20130925 | 20141002 | 10.63 | 2142 | -3497 | -1355 | >1747 | 0 | Elvehøy H. (NVE) |
| NO | AUSTDALSBREEN | 321 | STR | 20141002 | 20151014 | 10.63 | 2527 | -1805 | 722 | 1371 | 81 | Elvehøy H. (NVE) |
| NO | BLOMSTOELSKARDSBREEN | 3339 | STR | 20130924 | 20141014 | 22.4 | 3465 | -3559 | -94 | 1470 | 58 | Kjøllmoen B. (NVE) |
| NO | BLOMSTOELSKARDSBREEN | 3339 | STR | 20141014 | 20151014 | 22.4 | 3412 | -1421 | 1991 | 1250 | 86 | Kjøllmoen B. (NVE) |
| NO | ENGABREEN | 298 | STR | 20131021 | 20141014 | 36.25 | 2587 | -3477 | -890 | 1250 | 43 | Elvehøy H. (NVE) |
| NO | ENGABREEN | 298 | STR | 20141014 | 20151027 | 36.25 | 3267 | -2614 | 653 | 1093 | 75 | Elvehøy H. (NVE) |
| NO | GRAASUBREEN | 299 | STR | 20130913 | 20140910 | 2.12 | 893 | -2061 | -1169 | | | Andreassen L. (NVE) |
| NO | GRAASUBREEN | 299 | STR | 20140910 | 20150922 | 2.12 | 770 | -477 | 293 | | | Andreassen L. (NVE) |
| NO | HANSEBREEN | 322 | STR | 20130925 | 20141015 | 2.75 | 3540 | -5654 | -2114 | >1310 | 0 | Kjøllmoen B. (NVE) |
| NO | HANSEBREEN | 322 | STR | 20141015 | 20151016 | 2.75 | 4076 | -3069 | 1007 | <927 | 100 | Kjøllmoen B. (NVE) |
| NO | HELLSTUGUBREEN | 300 | STR | 20130910 | 20140916 | 2.9 | 1113 | -2333 | -1220 | 2075 | 8 | Andreassen L. (NVE) |
| NO | HELLSTUGUBREEN | 300 | STR | 20140916 | 20150923 | 2.9 | 1201 | -727 | 475 | 1770 | 79 | Andreassen L. (NVE) |
| NO | LANGFJORDJOEKELEN | 323 | STR | 20131107 | 20140924 | 3.22 | 2359 | -3139 | -780 | >1050 | 0 | Kjøllmoen B. (NVE) |
| NO | LANGFJORDJOEKELEN | 323 | STR | 20140924 | 20150923 | 3.22 | 1884 | -2682 | -797 | 1025 | 6 | Kjøllmoen B. (NVE) |
| NO | NIGARDSBREEN | 290 | STR | 20130925 | 20141117 | 46.61 | 2726 | -3070 | -343 | 1550 | 67 | Kjøllmoen B. (NVE) |
| NO | NIGARDSBREEN | 290 | STR | 20141117 | 20151014 | 46.61 | 3065 | -1353 | 1712 | 1310 | 92 | Kjøllmoen B. (NVE) |
| NO | REMBESDALSKAAKA | 2296 | STR | 20130926 | 20141023 | 17.26 | 2167 | -3461 | -1295 | >1854 | 0 | Elvehøy H. (NVE) |
| NO | REMBESDALSKAAKA | 2296 | STR | 20141023 | 20151014 | 17.26 | 3000 | -1830 | 1170 | 1570 | 87 | Elvehøy H. (NVE) |
| NO | RUNDVASSBREEN | 2670 | STR | 20130927 | 20140923 | 10.94 | 1797 | -2588 | -791 | 1335 | 26 | Kjøllmoen B. (NVE) |
| NO | RUNDVASSBREEN | 2670 | STR | 20140923 | 20151007 | 10.94 | 2125 | -2145 | -20 | 1230 | 58 | Kjøllmoen B. (NVE) |
| NO | STORBREEN | 302 | STR | 20130912 | 20140918 | 5.14 | 1573 | -2739 | -1166 | 1870 | 19 | Andreassen L. (NVE) |
| NO | STORBREEN | 302 | STR | 20140918 | 20150909 | 5.14 | 1515 | -1029 | 487 | 1575 | 89 | Andreassen L. (NVE) |
| NO | SVELGJABREEN | 3343 | STR | 20130924 | 20141014 | 22.35 | 3303 | -3761 | -458 | 1460 | 34 | Kjøllmoen B. (NVE) |
| NO | SVELGJABREEN | 3343 | STR | 20141014 | 20151014 | 22.35 | 3464 | -1628 | 1836 | 1140 | 86 | Kjøllmoen B. (NVE) |

| PU | GLACIER_NAME | WGMS_ID | SYS | FROM | TO | AREA | BW | BS | BA | ELA | AAR | INVESTIGATORS_(SPONS_AGENCY) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NP - Nepal** | | | | | | | | | | | | |
| NP | MERA | 3996 | | 20131122 | 20141208 | 5.05 | | | -200 | 5550 | 59 | Wagnon P. (IRD) |
| NP | MERA | 3996 | | 20141208 | 20151208 | 5.05 | | | -20 | 5430 | 74 | Wagnon P. (IRD) |
| NP | POKALDE | 3997 | | 20131204 | 20141120 | 0.09 | | | -1230 | 5655 | 2 | Wagnon P. (IRD) |
| NP | POKALDE | 3997 | | 20141120 | 20151201 | 0.09 | | | -700 | 5615 | 20 | Wagnon P. (IRD) |
| NP | RIKHA SAMBA | 1516 | FLO | 20131002 | 20141108 | 5.32 | | | -451 | 5888 | 38 | Stumm D. (ICIMOD) |
| NP | RIKHA SAMBA | 1516 | FLO | 20141108 | 20151005 | 5.32 | | | -525 | 5896 | 37 | Stumm D. (ICIMOD) |
| NP | WEST CHANGRI NUP | 10401 | | 20131202 | 20141124 | 0.92 | | | -1330 | 5620 | 4 | Wagnon P. (IRD) |
| NP | WEST CHANGRI NUP | 10401 | | 20141124 | 20151126 | 0.92 | | | -1280 | 5570 | 18 | Wagnon P. (IRD) |
| NP | YALA | 912 | FLO | 20131117 | 20141113 | 1.61 | | | -642 | 5435 | 34 | Stumm D. (ICIMOD) |
| NP | YALA | 912 | FLO | 20141113 | 20151126 | 1.61 | | | -903 | 5466 | 24 | Stumm D. (ICIMOD) |
| **NZ - New Zealand** | | | | | | | | | | | | |
| NZ | BREWSTER | 1597 | FLO | 20130321 | 20140408 | 2.03 | 2682 | -2212 | 470 | 1896 | 49 | Anderson B. (ARC), Cullen N. (DGUO-NZ), Sirguey P. (DGUO-NZ) |
| NZ | BREWSTER | 1597 | FLO | 20140408 | 20150317 | 2.03 | 2492 | -2277 | 215 | 1911 | 43 | Anderson B. (ARC), Cullen N. (DGUO-NZ), Sirguey P. (DGUO-NZ) |
| NZ | ROLLESTON | 1538 | FLO | 20130314 | 20140322 | 0.11 | 2899 | -2937 | -38 | 1801 | 62 | Kerr T. (private), Purdie H. (UCant/DG) |
| NZ | ROLLESTON | 1538 | FLO | 20140322 | 20150320 | 0.11 | 2909 | -2252 | 657 | 1786 | 63 | Kerr T. (private), Purdie H. (UCant/DG) |
| **PE - Peru** | | | | | | | | | | | | |
| PE | ARTESONRAJU | 3292 | | 2013 | 2014 | 3.63 | | | -341 | 5043 | 59 | Coachin Rapre A. (UGRH/ANA) |
| PE | ARTESONRAJU | 3292 | | 2014 | 2015 | 3.61 | | | -372 | | | Coachin Rapre A. (UGRH/ANA) |
| PE | YANAMAREY | 226 | | 2013 | 2014 | 0.16 | | | -1407 | 4902 | 19 | Coachin Rapre A. (UGRH/ANA) |
| PE | YANAMAREY | 226 | | 2014 | 2015 | 0.26 | | | -563 | | | Coachin Rapre A. (UGRH/ANA) |
| **RU - Russia** | | | | | | | | | | | | |
| RU | DJANKUAT | 726 | STR | 20130923 | 20140923 | 2.69 | 2340 | -3710 | -1370 | | | Popovnin V. (MGU) |
| RU | DJANKUAT | 726 | STR | 20140924 | 20150922 | 2.69 | 2580 | -3590 | -1010 | | | Popovnin V. (MGU) |
| RU | GARABASHI | 761 | STR | 20130999 | 20140999 | | 1034 | -1954 | -920 | 4000 | 30 | Rototayeva O. (IGRAN), Nosenko G. (IGRAN), Tarasova L. (IGRAN), Kerimov A. (IGRAN) |
| **SE - Sweden** | | | | | | | | | | | | |
| SE | MARMAGLACIAEREN | 1461 | COM | 2013 | 20140910 | 3.96 | 980 | -2340 | -1370 | 1755 | 0 | Pettersson R. (DES/UU) |
| SE | MARMAGLACIAEREN | 1461 | COM | 2014 | 20150906 | 3.96 | 1380 | -1360 | 20 | 1365 | 45 | Pettersson R. (DES/UU) |
| SE | RABOTS GLACIAER | 334 | COM | 2014 | 20150910 | 3.67 | 1100 | -943 | -43 | 1370 | 41 | Jansson P. (INK) |
| SE | RIUKOJIETNA | 342 | COM | 2014 | 20150908 | 2.79 | 1410 | -1370 | 40 | 1345 | 54 | Jansson P. (INK) |
| SE | STORGLACIAEREN | 332 | | 2013 | 2014 | 2.9 | 1510 | -2400 | -890 | 1500 | 31 | Holmlund P. (INK), Jansson P. (INK) |
| SE | STORGLACIAEREN | 332 | COM | 2014 | 20150920 | 2.9 | 1460 | -820 | 640 | 1370 | 71 | Jansson P. (INK) |
| SE | TARFALAGLACIAEREN | 326 | COM | 2014 | 20150904 | 1.01 | 1510 | -900 | 610 | 1380 | 100 | Jansson P. (INK) |
| **SJ - Svalbard** | | | | | | | | | | | | |
| SJ | AUSTRE BROEGGERBREEN | 292 | | 2013 | 2014 | | 830 | -810 | 10 | 310 | 33 | Kohler J. (NPI) |
| SJ | AUSTRE BROEGGERBREEN | 292 | | 2014 | 2015 | | 640 | -1240 | -610 | 433 | 9 | Kohler J. (NPI) |
| SJ | AUSTRE LOVENBREEN | 3812 | COM | 2013 | 2014 | | 759 | -749 | 10 | 369 | 62 | Bernard E. (CNRS TheMA), Griselin M. (CNRS TheMA), Tolle F. (CNRS TheMA), Friedt J. (CNRS TheMA) |
| SJ | HANSBREEN | 306 | STR | 20130915 | 20141112 | 56.74 | 936 | -1213 | -277 | | 54 | Głowacki P. (PAS), Petlicki M. (PAS) |
| SJ | HANSBREEN | 306 | STR | 20141112 | 20151008 | 56.74 | 1002 | -1438 | -436 | | 54 | Petlicki M. (PAS) |
| SJ | IRENEBREEN | 2669 | STR | 2013 | 2014 | | | | -687 | 438 | 10 | Sobota I. (FES NCU) |
| SJ | IRENEBREEN | 2669 | STR | 2014 | 2015 | | | | -1335 | 594 | 1 | Sobota I. (FES NCU) |
| SJ | KONGSVEGEN | 1456 | | 2013 | 2014 | | 620 | -480 | 140 | 492 | 55 | Kohler J. (NPI) |
| SJ | KONGSVEGEN | 1456 | | 2014 | 2015 | | 760 | -920 | -160 | 563 | 37 | Kohler J. (NPI) |
| SJ | KRONEBREEN | 3504 | | 2013 | 2014 | | 460 | -380 | 80 | 626 | 53 | Kohler J. (NPI) |
| SJ | KRONEBREEN | 3504 | | 2014 | 2015 | | 670 | -730 | -60 | 701 | 36 | Kohler J. (NPI) |
| SJ | MIDTRE LOVENBREEN | 291 | | 2013 | 2014 | | 770 | -750 | 30 | 321 | 41 | Kohler J. (NPI) |
| SJ | MIDTRE LOVENBREEN | 291 | | 2014 | 2015 | | 730 | -1180 | -450 | 409 | 16 | Kohler J. (NPI) |
| SJ | WALDEMARBREEN | 2307 | STR | 2013 | 2014 | | | | -576 | 385 | 16 | Sobota I. (FES NCU) |
| SJ | WALDEMARBREEN | 2307 | STR | 2014 | 2015 | | | | -1439 | 526 | 0 | Sobota I. (FES NCU) |
| SJ | WERENSKIOLDBREEN | 305 | FXD | 20140414 | 20140901 | 27.11 | 1326 | -960 | 366 | 775 | 0 | Ignatiuk D. (US/FES), Laska M. (US/FES) |
| SJ | WERENSKIOLDBREEN | 305 | FXD | 20140901 | 20150920 | 27.11 | 885 | -1590 | -705 | 775 | 0 | Ignatiuk D. (US/FES), Laska M. (US/FES) |
| **US - United States of America** | | | | | | | | | | | | |
| US | BLUE GLACIER | 210 | | 2013 | 2014 | | 2800 | -4210 | -1410 | | | Larrabee M. (NCNP) |
| US | BLUE GLACIER | 210 | COM | 20141003 | 20150928 | 5.68 | 2510 | -4800 | -2300 | 2100 | 30 | Larrabee M. (NCNP), Riedel J. (NCNP) |
| US | COLUMBIA (2057) | 76 | FXD | 20130928 | 20140927 | 0.84 | | | -500 | 1580 | 51 | Pelto M. (JIRP) |
| US | COLUMBIA (2057) | 76 | FXD | 20140927 | 20150927 | 0.82 | | | -3480 | > | 0 | Pelto M. (JIRP) |
| US | DANIELS | 83 | FXD | 20130922 | 20140928 | | | | -550 | | 54 | Pelto M. (NCGCP) |
| US | DANIELS | 83 | FXD | 20140928 | 20150928 | | | | -3080 | > | 0 | Pelto M. (NCGCP) |
| US | EASTON | 1367 | FXD | 20130929 | 20140928 | | | | -1300 | 2150 | 46 | Pelto M. (NCGCP) |
| US | EASTON | 1367 | FXD | 20140928 | 20150928 | | | | -2780 | 2280 | 26 | Pelto M. (NCGCP) |
| US | EEL | 188 | | 2013 | 2014 | | 4190 | -4270 | -70 | | | Larrabee M. (NCNP) |
| US | EEL | 188 | COM | 20141003 | 20150928 | 0.64 | 1520 | -5260 | -3740 | 2200 | 2 | Larrabee M. (NCNP), Riedel J. (NCNP) |
| US | EKLUTNA | 85 | | 2013 | 2014 | | 1730 | -2570 | -840 | | | |
| US | EKLUTNA | 85 | | 2014 | 2015 | | 860 | -2200 | -1340 | | | |
| US | EKLUTNA EAST BRANCH | 6829 | | 2013 | 2014 | | 1680 | -2530 | -850 | | | |
| US | EKLUTNA EAST BRANCH | 6829 | | 2014 | 2015 | | 920 | -2240 | -1320 | | | |
| US | EKLUTNA WEST BRANCH | 6828 | | 2013 | 2014 | | 1790 | -2610 | -820 | | | |
| US | EKLUTNA WEST BRANCH | 6828 | | 2014 | 2015 | | 790 | -2160 | -1370 | | | |
| US | EMMONS | 203 | | 2013 | 2014 | | 2330 | -3660 | -1330 | | | Larrabee M. (NCNP) |
| US | EMMONS | 203 | COM | 20141009 | 20151006 | 11.27 | 2410 | -3670 | -1260 | 2820 | 35 | Larrabee M. (NCNP), Riedel J. (NCNP) |
| US | GULKANA | 90 | FLO | 20130819 | 20140824 | 16.4 | 1100 | -1300 | -300 | | | Sass L. (USGS-F), O'Neel S. (USGS-F) |
| US | GULKANA | 90 | FLO | 20140824 | 20150908 | 16.3 | 700 | -2200 | -1500 | | | Sass L. (USGS-F), O'Neel S. (USGS-F) |
| US | ICE WORM | 82 | FXD | 20130922 | 20140928 | | | | -320 | | 60 | Pelto M. (NCGCP) |
| US | ICE WORM | 82 | FXD | 20140928 | 20150928 | | | | -3250 | > | 0 | Pelto M. (NCGCP) |
| US | LEMON CREEK | 3334 | COM | 20130925 | 20141010 | 11.6 | | | -1825 | 1200 | 3 | Pelto M. (JIRP), McNeil C. (JIRP) |
| US | LEMON CREEK | 3334 | COM | 20141014 | 20151013 | 11.6 | | | -2270 | 1275 | 3 | Pelto M. (JIRP), McNeil C. (JIRP) |
| US | LOWER CURTIS | 77 | FXD | 20130929 | 20140927 | | | | -1350 | 1640 | 36 | Pelto M. (NCGCP) |
| US | LOWER CURTIS | 77 | FXD | 20140927 | 20150927 | | | | -3400 | > | 0 | Pelto M. (NCGCP) |
| US | LYNCH | 81 | FXD | 20130922 | 20140928 | | | | -850 | | 48 | Pelto M. (NCGCP) |
| US | LYNCH | 81 | FXD | 20140928 | 20150928 | | | | -2850 | | 0 | Pelto M. (NCGCP) |
| US | NISQUALLY | 201 | | 2013 | 2014 | | 2920 | -3560 | -650 | | | Larrabee M. (NCNP) |
| US | NISQUALLY | 201 | COM | 20141002 | 20151005 | 6.67 | 3170 | -4020 | -840 | 3075 | 26 | Larrabee M. (NCNP), Riedel J. (NCNP) |
| US | NOISY CREEK | 1666 | | 2013 | 2014 | | 4250 | -4430 | -180 | | | Larrabee M. (NCNP) |
| US | NOISY CREEK | 1666 | COM | 20140929 | 20150922 | 0.46 | 2080 | -5630 | -3550 | >1690 | 0 | Larrabee M. (NCNP), Riedel J. (NCNP) |
| US | NORTH KLAWATTI | 1664 | | 2013 | 2014 | | 3870 | -4080 | -210 | | | Larrabee M. (NCNP) |
| US | NORTH KLAWATTI | 1664 | COM | 20141002 | 20150923 | 1.48 | 3020 | -5330 | -2300 | 2300 | 1 | Larrabee M. (NCNP), Riedel J. (NCNP) |
| US | RAINBOW | 79 | FXD | 20130921 | 20140926 | | | | -1940 | 2000 | 32 | Pelto M. (NCGCP) |

| PU | GLACIER_NAME | WGMS_ID | SYS | FROM | TO | AREA | BW | BS | BA | ELA | AAR | INVESTIGATORS_(SPONS_AGENCY) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| US | RAINBOW | 79 | FXD | 20140926 | 20150929 | | | | -3450 | 2075 | 5 | Pelto M. (NCGCP) |
| US | SANDALEE | 1667 | | 2013 | 2014 | | 2940 | -3100 | -220 | | | Larrabee M. (NCNP) |
| US | SANDALEE | 1667 | COM | 20141002 | 20150922 | 0.18 | 2450 | -4440 | -2000 | >2310 | 0 | Larrabee M. (NCNP), Riedel J. (NCNP) |
| US | SHOLES | 3295 | FXD | 20130921 | 20140926 | | | | -1530 | | 30 | Pelto M. (NCGCP) |
| US | SHOLES | 3295 | FXD | 20140926 | 20150926 | | | | -3050 | > | 0 | Pelto M. (NCGCP) |
| US | SILVER | 1665 | | 2013 | 2014 | | 2400 | -2670 | -270 | | | Larrabee M. (NCNP) |
| US | SILVER | 1665 | COM | 20141002 | 20150923 | 0.4 | 2340 | -3400 | -1060 | 2470 | 22 | Larrabee M. (NCNP), Riedel J. (NCNP) |
| US | SOUTH CASCADE | 205 | COM | 20141009 | 20150930 | 1.65 | 2175 | -4893 | -2717 | | | Whorton E. (USGS), Bachmann M. (USGS) |
| US | SPERRY | 218 | COM | 20130927 | 20140918 | 0.82 | 3190 | -3130 | 60 | | | Fagre D. (USGS-GNP), Clark A. (USGS-GNP) |
| US | SPERRY | 218 | COM | 20140918 | 20150922 | 0.82 | 2790 | -4010 | -1220 | | | Fagre D. (USGS-GNP), Clark A. (USGS-GNP) |
| US | TAKU | 124 | COM | 20130925 | 20141010 | | | | -600 | 1080 | | Pelto M. (JIRP), McNeil C. (JIRP) |
| US | TAKU | 124 | COM | 20141014 | 20151013 | | | | -860 | 1175 | | Pelto M. (JIRP), McNeil C. (JIRP) |
| US | WOLVERINE | 94 | FLO | 20130917 | 20141002 | 16 | 1600 | -3100 | -1500 | | | Sass L. (USGS-F), O'Neel S. (USGS-F) |
| US | WOLVERINE | 94 | | 2014 | 2015 | 15.9 | 2000 | -2700 | -700 | | | O'Neel S. (USGS-F), Sass L. (USGS-F) |
| US | YAWNING | 75 | FXD | 20130928 | 20140925 | | | | -1650 | 1875 | 32 | Pelto M. (NCGCP) |
| US | YAWNING | 75 | FXD | 20140925 | 20150928 | | | | -3360 | > | 0 | Pelto M. (NCGCP) |

## APPENDIX - Table 4

MASS BALANCE VERSUS ELEVATION DATA 2014–2015

| | |
|---|---|
| PU | Political unit, alphabetic 2-digit country code (cf. www.iso.org) |
| GLACIER NAME | Name of the glacier in capital letters, cf. Appendix Table 1 |
| WGMS ID | Key identifier of the glacier, cf. Appendix Table 1 |
| YEAR | Balance year |
| ELEV FROM | Lower boundary of elevation interval in metres above sea level |
| ELEV TO | Upper boundary of elevation interval in metres above sea level |
| AREA | Area of elevation interval in square kilometres |
| BW | Specific winter balance of elevation interval in mm water equivalent |
| BS | Specific summer balance of elevation interval in mm water equivalent |
| BA | Specific annual balance of elevation interval in mm water equivalent |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| **AQ - Antarctica** | | | | | | | | | |
| AQ | BAHIA DEL DIABLO | 2665 | 2014 | 562 | 630 | | | | 600 |
| AQ | BAHIA DEL DIABLO | 2665 | 2014 | 488 | 562 | | | | 550 |
| AQ | BAHIA DEL DIABLO | 2665 | 2014 | 412 | 488 | | | | 470 |
| AQ | BAHIA DEL DIABLO | 2665 | 2014 | 338 | 412 | | | | 250 |
| AQ | BAHIA DEL DIABLO | 2665 | 2014 | 262 | 338 | | | | -100 |
| AQ | BAHIA DEL DIABLO | 2665 | 2014 | 188 | 262 | | | | -180 |
| AQ | BAHIA DEL DIABLO | 2665 | 2014 | 112 | 188 | | | | -200 |
| AQ | BAHIA DEL DIABLO | 2665 | 2014 | 38 | 112 | | | | -600 |
| AQ | BAHIA DEL DIABLO | 2665 | 2015 | 562 | 630 | | | | 400 |
| AQ | BAHIA DEL DIABLO | 2665 | 2015 | 488 | 562 | | | | 350 |
| AQ | BAHIA DEL DIABLO | 2665 | 2015 | 412 | 488 | | | | 600 |
| AQ | BAHIA DEL DIABLO | 2665 | 2015 | 338 | 412 | | | | -100 |
| AQ | BAHIA DEL DIABLO | 2665 | 2015 | 262 | 338 | | | | -400 |
| AQ | BAHIA DEL DIABLO | 2665 | 2015 | 188 | 262 | | | | -800 |
| AQ | BAHIA DEL DIABLO | 2665 | 2015 | 112 | 188 | | | | -1100 |
| AQ | BAHIA DEL DIABLO | 2665 | 2015 | 38 | 112 | | | | -1300 |
| **AR - Argentina** | | | | | | | | | |
| AR | BROWN SUPERIOR | 3903 | 2015 | 5101 | 5115 | 0.030 | -1335 | -1298 | -2805 |
| AR | BROWN SUPERIOR | 3903 | 2015 | 5080 | 5101 | 0.032 | 73 | -2010 | -1896 |
| AR | BROWN SUPERIOR | 3903 | 2015 | 5070 | 5080 | 0.016 | 26 | -2048 | -2082 |
| AR | BROWN SUPERIOR | 3903 | 2015 | 5062 | 5070 | 0.011 | 161 | -1980 | -1819 |
| AR | BROWN SUPERIOR | 3903 | 2015 | 5039 | 5062 | 0.026 | 34 | -1808 | -1981 |
| AR | BROWN SUPERIOR | 3903 | 2015 | 5022 | 5039 | 0.021 | -43 | -2325 | -2368 |
| AR | BROWN SUPERIOR | 3903 | 2015 | 5015 | 5022 | 0.009 | -102 | -2898 | -3000 |
| AR | BROWN SUPERIOR | 3903 | 2015 | 4965 | 5015 | 0.031 | 14 | -3032 | -3018 |
| AR | CONCONTA NORTE | 3902 | 2015 | 5069 | 5125 | 0.016 | -78 | -3211 | -3305 |
| AR | CONCONTA NORTE | 3902 | 2015 | 5058 | 5069 | 0.008 | -238 | -3247 | -3341 |
| AR | CONCONTA NORTE | 3902 | 2015 | 5053 | 5058 | 0.004 | 82 | -3175 | -3269 |
| AR | CONCONTA NORTE | 3902 | 2015 | 5036 | 5053 | 0.011 | -94 | -3103 | -3197 |
| AR | CONCONTA NORTE | 3902 | 2015 | 5017 | 5036 | 0.010 | -196 | -2479 | -2803 |
| AR | CONCONTA NORTE | 3902 | 2015 | 4986 | 5017 | 0.013 | -442 | -1410 | -1852 |
| AR | CONCONTA NORTE | 3902 | 2015 | 4950 | 4986 | 0.008 | 55 | -2176 | -2839 |
| AR | LOS AMARILLOS | 3904 | 2015 | 5400 | 5535 | 0.149 | -94 | -540 | -706 |
| AR | LOS AMARILLOS | 3904 | 2015 | 5349 | 5400 | 0.097 | -315 | -702 | -1017 |
| AR | LOS AMARILLOS | 3904 | 2015 | 5325 | 5349 | 0.049 | -247 | -578 | -850 |
| AR | LOS AMARILLOS | 3904 | 2015 | 5292 | 5325 | 0.076 | -213 | -1080 | -1293 |
| AR | LOS AMARILLOS | 3904 | 2015 | 5267 | 5292 | 0.068 | -255 | -493 | -748 |
| AR | LOS AMARILLOS | 3904 | 2015 | 5259 | 5267 | 0.024 | -289 | -518 | -876 |
| AR | LOS AMARILLOS | 3904 | 2015 | 5242 | 5259 | 0.047 | -247 | -419 | -666 |
| AR | LOS AMARILLOS | 3904 | 2015 | 5211 | 5242 | 0.073 | -391 | -1080 | -1471 |
| AR | LOS AMARILLOS | 3904 | 2015 | 5153 | 5211 | 0.066 | -175 | -608 | -783 |
| AR | LOS AMARILLOS | 3904 | 2015 | 4915 | 5153 | 0.130 | -26 | -878 | -904 |
| AR | MARTIAL ESTE | 2000 | 2014 | 1160 | 1180 | 0.002 | 630 | -230 | 400 |
| AR | MARTIAL ESTE | 2000 | 2014 | 1140 | 1160 | 0.005 | 700 | -245 | 455 |
| AR | MARTIAL ESTE | 2000 | 2014 | 1120 | 1140 | 0.008 | 780 | -270 | 510 |
| AR | MARTIAL ESTE | 2000 | 2014 | 1100 | 1120 | 0.012 | 890 | -155 | 735 |
| AR | MARTIAL ESTE | 2000 | 2014 | 1080 | 1100 | 0.015 | 1220 | -205 | 1015 |
| AR | MARTIAL ESTE | 2000 | 2014 | 1060 | 1080 | 0.016 | 1180 | -250 | 930 |
| AR | MARTIAL ESTE | 2000 | 2014 | 1040 | 1060 | 0.014 | 1100 | -240 | 860 |
| AR | MARTIAL ESTE | 2000 | 2014 | 1020 | 1040 | 0.011 | 940 | -530 | 410 |
| AR | MARTIAL ESTE | 2000 | 2014 | 1000 | 1020 | 0.008 | 410 | -1310 | -900 |
| AR | MARTIAL ESTE | 2000 | 2014 | 980 | 1000 | 0.002 | 390 | -1440 | -1050 |
| AR | MARTIAL ESTE | 2000 | 2014 | 960 | 980 | 0.001 | 370 | -1570 | -1200 |
| AR | MARTIAL ESTE | 2000 | 2015 | 1160 | 1180 | 0.002 | 600 | -500 | 100 |
| AR | MARTIAL ESTE | 2000 | 2015 | 1140 | 1160 | 0.005 | 650 | -500 | 150 |
| AR | MARTIAL ESTE | 2000 | 2015 | 1120 | 1140 | 0.007 | 720 | -520 | 200 |
| AR | MARTIAL ESTE | 2000 | 2015 | 1100 | 1120 | 0.011 | 800 | -555 | 245 |
| AR | MARTIAL ESTE | 2000 | 2015 | 1080 | 1100 | 0.015 | 1090 | -618 | 472 |
| AR | MARTIAL ESTE | 2000 | 2015 | 1060 | 1080 | 0.016 | 910 | -880 | 30 |
| AR | MARTIAL ESTE | 2000 | 2015 | 1040 | 1060 | 0.013 | 750 | -1160 | -410 |
| AR | MARTIAL ESTE | 2000 | 2015 | 1020 | 1040 | 0.013 | 580 | -1360 | -780 |
| AR | MARTIAL ESTE | 2000 | 2015 | 1000 | 1020 | 0.008 | 500 | -1575 | -1075 |
| AR | MARTIAL ESTE | 2000 | 2015 | 980 | 1000 | 0.002 | 450 | -1605 | -1155 |
| AR | MARTIAL ESTE | 2000 | 2015 | 960 | 980 | 0.001 | 400 | -1630 | -1230 |
| **AT - Austria** | | | | | | | | | |
| AT | HALLSTAETTER G. | 535 | 2014 | 2850 | 2900 | 0.01 | 1798 | -1170 | 628 |
| AT | HALLSTAETTER G. | 535 | 2014 | 2800 | 2850 | 0.027 | 1800 | -1175 | 625 |
| AT | HALLSTAETTER G. | 535 | 2014 | 2750 | 2800 | 0.036 | 1787 | -1314 | 473 |
| AT | HALLSTAETTER G. | 535 | 2014 | 2700 | 2750 | 0.166 | 1503 | -1030 | 473 |
| AT | HALLSTAETTER G. | 535 | 2014 | 2650 | 2700 | 0.315 | 1470 | -1056 | 414 |
| AT | HALLSTAETTER G. | 535 | 2014 | 2600 | 2650 | 0.564 | 1444 | -1058 | 386 |
| AT | HALLSTAETTER G. | 535 | 2014 | 2550 | 2600 | 0.492 | 1381 | -1363 | 18 |
| AT | HALLSTAETTER G. | 535 | 2014 | 2500 | 2550 | 0.372 | 1261 | -1533 | -272 |
| AT | HALLSTAETTER G. | 535 | 2014 | 2450 | 2500 | 0.361 | 1119 | -1824 | -705 |
| AT | HALLSTAETTER G. | 535 | 2014 | 2400 | 2450 | 0.252 | 918 | -2205 | -1287 |
| AT | HALLSTAETTER G. | 535 | 2014 | 2350 | 2400 | 0.218 | 911 | -2942 | -2031 |
| AT | HALLSTAETTER G. | 535 | 2014 | 2300 | 2350 | 0.168 | 744 | -3284 | -2540 |
| AT | HALLSTAETTER G. | 535 | 2014 | 2250 | 2300 | 0.079 | 741 | -3491 | -2750 |
| AT | HALLSTAETTER G. | 535 | 2014 | 2200 | 2250 | 0.026 | 800 | -3550 | -2750 |
| AT | HALLSTAETTER G. | 535 | 2015 | 2850 | 2900 | 0.01 | 2800 | -3056 | -256 |
| AT | HALLSTAETTER G. | 535 | 2015 | 2800 | 2850 | 0.027 | 2800 | -2863 | -63 |
| AT | HALLSTAETTER G. | 535 | 2015 | 2750 | 2800 | 0.036 | 2800 | -2927 | -127 |
| AT | HALLSTAETTER G. | 535 | 2015 | 2700 | 2750 | 0.166 | 2764 | -3017 | -253 |
| AT | HALLSTAETTER G. | 535 | 2015 | 2650 | 2700 | 0.315 | 2639 | -3176 | -537 |
| AT | HALLSTAETTER G. | 535 | 2015 | 2600 | 2650 | 0.564 | 2475 | -3714 | -1239 |
| AT | HALLSTAETTER G. | 535 | 2015 | 2550 | 2600 | 0.492 | 2135 | -4444 | -2309 |
| AT | HALLSTAETTER G. | 535 | 2015 | 2500 | 2550 | 0.372 | 2134 | -4749 | -2615 |
| AT | HALLSTAETTER G. | 535 | 2015 | 2450 | 2500 | 0.361 | 1908 | -4825 | -2917 |
| AT | HALLSTAETTER G. | 535 | 2015 | 2400 | 2450 | 0.252 | 1358 | -4721 | -3363 |
| AT | HALLSTAETTER G. | 535 | 2015 | 2350 | 2400 | 0.218 | 1108 | -4740 | -3632 |
| AT | HALLSTAETTER G. | 535 | 2015 | 2300 | 2350 | 0.168 | 1073 | -4842 | -3769 |
| AT | HALLSTAETTER G. | 535 | 2015 | 2250 | 2300 | 0.079 | 765 | -4515 | -3750 |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| AT | HALLSTAETTER G. | 535 | 2015 | 2200 | 2250 | 0.026 | 612 | -4362 | -3750 |
| AT | HINTEREIS F. | 491 | 2014 | 3700 | 3750 | 0.002 | 1125 | -500 | 625 |
| AT | HINTEREIS F. | 491 | 2014 | 3650 | 3700 | 0.02 | 1125 | -500 | 625 |
| AT | HINTEREIS F. | 491 | 2014 | 3600 | 3650 | 0.026 | 1125 | -500 | 625 |
| AT | HINTEREIS F. | 491 | 2014 | 3550 | 3600 | 0.019 | 1125 | -481 | 644 |
| AT | HINTEREIS F. | 491 | 2014 | 3500 | 3550 | 0.015 | 1126 | -575 | 551 |
| AT | HINTEREIS F. | 491 | 2014 | 3450 | 3500 | 0.061 | 1183 | -405 | 778 |
| AT | HINTEREIS F. | 491 | 2014 | 3400 | 3450 | 0.118 | 1262 | -300 | 962 |
| AT | HINTEREIS F. | 491 | 2014 | 3350 | 3400 | 0.237 | 1499 | -381 | 1118 |
| AT | HINTEREIS F. | 491 | 2014 | 3300 | 3350 | 0.396 | 1609 | -347 | 1262 |
| AT | HINTEREIS F. | 491 | 2014 | 3250 | 3300 | 0.413 | 1602 | -333 | 1269 |
| AT | HINTEREIS F. | 491 | 2014 | 3200 | 3250 | 0.427 | 1567 | -565 | 1002 |
| AT | HINTEREIS F. | 491 | 2014 | 3150 | 3200 | 0.538 | 1493 | -653 | 839 |
| AT | HINTEREIS F. | 491 | 2014 | 3100 | 3150 | 0.607 | 1489 | -776 | 713 |
| AT | HINTEREIS F. | 491 | 2014 | 3050 | 3100 | 0.631 | 1431 | -1034 | 397 |
| AT | HINTEREIS F. | 491 | 2014 | 3000 | 3050 | 0.51 | 1418 | -1262 | 155 |
| AT | HINTEREIS F. | 491 | 2014 | 2950 | 3000 | 0.401 | 1412 | -1478 | -66 |
| AT | HINTEREIS F. | 491 | 2014 | 2900 | 2950 | 0.416 | 1300 | -1608 | -308 |
| AT | HINTEREIS F. | 491 | 2014 | 2850 | 2900 | 0.35 | 1299 | -1913 | -615 |
| AT | HINTEREIS F. | 491 | 2014 | 2800 | 2850 | 0.295 | 1380 | -2456 | -1077 |
| AT | HINTEREIS F. | 491 | 2014 | 2750 | 2800 | 0.242 | 1157 | -2689 | -1532 |
| AT | HINTEREIS F. | 491 | 2014 | 2700 | 2750 | 0.319 | 1125 | -3267 | -2142 |
| AT | HINTEREIS F. | 491 | 2014 | 2650 | 2700 | 0.225 | 1059 | -3992 | -2933 |
| AT | HINTEREIS F. | 491 | 2014 | 2600 | 2650 | 0.169 | 897 | -4416 | -3519 |
| AT | HINTEREIS F. | 491 | 2014 | 2550 | 2600 | 0.129 | 849 | -4673 | -3823 |
| AT | HINTEREIS F. | 491 | 2014 | 2500 | 2550 | 0.073 | 677 | -5648 | -4971 |
| AT | HINTEREIS F. | 491 | 2014 | 2450 | 2500 | 0.019 | 625 | -5975 | -5350 |
| AT | HINTEREIS F. | 491 | 2015 | 3700 | 3750 | 0.002 | 512 | -1238 | -725 |
| AT | HINTEREIS F. | 491 | 2015 | 3650 | 3700 | 0.02 | 685 | -1560 | -874 |
| AT | HINTEREIS F. | 491 | 2015 | 3600 | 3650 | 0.026 | 863 | -1551 | -687 |
| AT | HINTEREIS F. | 491 | 2015 | 3550 | 3600 | 0.019 | 900 | -1396 | -496 |
| AT | HINTEREIS F. | 491 | 2015 | 3500 | 3550 | 0.015 | 762 | -1744 | -982 |
| AT | HINTEREIS F. | 491 | 2015 | 3450 | 3500 | 0.061 | 1498 | -1807 | -309 |
| AT | HINTEREIS F. | 491 | 2015 | 3400 | 3450 | 0.118 | 1418 | -1838 | -419 |
| AT | HINTEREIS F. | 491 | 2015 | 3350 | 3400 | 0.237 | 1533 | -1793 | -259 |
| AT | HINTEREIS F. | 491 | 2015 | 3300 | 3350 | 0.396 | 1610 | -1648 | -38 |
| AT | HINTEREIS F. | 491 | 2015 | 3250 | 3300 | 0.413 | 1638 | -1991 | -354 |
| AT | HINTEREIS F. | 491 | 2015 | 3200 | 3250 | 0.427 | 1614 | -2388 | -773 |
| AT | HINTEREIS F. | 491 | 2015 | 3150 | 3200 | 0.538 | 1592 | -2367 | -775 |
| AT | HINTEREIS F. | 491 | 2015 | 3100 | 3150 | 0.607 | 1485 | -2501 | -1016 |
| AT | HINTEREIS F. | 491 | 2015 | 3050 | 3100 | 0.631 | 1476 | -2628 | -1152 |
| AT | HINTEREIS F. | 491 | 2015 | 3000 | 3050 | 0.51 | 1465 | -2875 | -1410 |
| AT | HINTEREIS F. | 491 | 2015 | 2950 | 3000 | 0.401 | 1403 | -2947 | -1544 |
| AT | HINTEREIS F. | 491 | 2015 | 2900 | 2950 | 0.416 | 1284 | -3052 | -1768 |
| AT | HINTEREIS F. | 491 | 2015 | 2850 | 2900 | 0.35 | 1235 | -3428 | -2192 |
| AT | HINTEREIS F. | 491 | 2015 | 2800 | 2850 | 0.295 | 1175 | -3776 | -2602 |
| AT | HINTEREIS F. | 491 | 2015 | 2750 | 2800 | 0.242 | 1150 | -4342 | -3192 |
| AT | HINTEREIS F. | 491 | 2015 | 2700 | 2750 | 0.319 | 1069 | -4976 | -3907 |
| AT | HINTEREIS F. | 491 | 2015 | 2650 | 2700 | 0.225 | 993 | -5527 | -4534 |
| AT | HINTEREIS F. | 491 | 2015 | 2600 | 2650 | 0.169 | 768 | -5739 | -4971 |
| AT | HINTEREIS F. | 491 | 2015 | 2550 | 2600 | 0.129 | 616 | -5998 | -5382 |
| AT | HINTEREIS F. | 491 | 2015 | 2500 | 2550 | 0.073 | 536 | -6469 | -5933 |
| AT | HINTEREIS F. | 491 | 2015 | 2450 | 2500 | 0.019 | 375 | -7958 | -7582 |
| AT | JAMTAL F. | 480 | 2014 | 3100 | 3200 | 0.004 | 1196 | -577 | 619 |
| AT | JAMTAL F. | 480 | 2014 | 3000 | 3100 | 0.223 | 1286 | -947 | 339 |
| AT | JAMTAL F. | 480 | 2014 | 2900 | 3000 | 0.702 | 1164 | -1071 | 93 |
| AT | JAMTAL F. | 480 | 2014 | 2800 | 2900 | 0.671 | 1123 | -1393 | -270 |
| AT | JAMTAL F. | 480 | 2014 | 2700 | 2800 | 0.66 | 1033 | -1657 | -624 |
| AT | JAMTAL F. | 480 | 2014 | 2600 | 2700 | 0.492 | 1085 | -2241 | -1156 |
| AT | JAMTAL F. | 480 | 2014 | 2500 | 2600 | 0.274 | 928 | -3086 | -2158 |
| AT | JAMTAL F. | 480 | 2014 | 2400 | 2500 | 0.058 | 847 | -3526 | -2679 |
| AT | JAMTAL F. | 480 | 2015 | 3100 | 3200 | 0.004 | 1200 | -2950 | -1750 |
| AT | JAMTAL F. | 480 | 2015 | 3000 | 3100 | 0.222 | 1297 | -2791 | -1494 |
| AT | JAMTAL F. | 480 | 2015 | 2900 | 3000 | 0.701 | 1220 | -2774 | -1554 |
| AT | JAMTAL F. | 480 | 2015 | 2800 | 2900 | 0.669 | 1170 | -2933 | -1763 |
| AT | JAMTAL F. | 480 | 2015 | 2700 | 2800 | 0.659 | 1256 | -3205 | -1949 |
| AT | JAMTAL F. | 480 | 2015 | 2600 | 2700 | 0.486 | 1278 | -3627 | -2349 |
| AT | JAMTAL F. | 480 | 2015 | 2500 | 2600 | 0.274 | 1180 | -4467 | -3287 |
| AT | JAMTAL F. | 480 | 2015 | 2400 | 2500 | 0.056 | 1121 | -5710 | -4589 |
| AT | KESSELWAND F. | 507 | 2014 | 3450 | 3500 | 0.018 | | | 815 |
| AT | KESSELWAND F. | 507 | 2014 | 3400 | 3450 | 0.032 | | | 714 |
| AT | KESSELWAND F. | 507 | 2014 | 3350 | 3400 | 0.032 | | | 569 |
| AT | KESSELWAND F. | 507 | 2014 | 3300 | 3350 | 0.185 | | | 1079 |
| AT | KESSELWAND F. | 507 | 2014 | 3250 | 3300 | 0.591 | | | 1146 |
| AT | KESSELWAND F. | 507 | 2014 | 3200 | 3250 | 0.801 | | | 824 |
| AT | KESSELWAND F. | 507 | 2014 | 3150 | 3200 | 0.719 | | | 676 |
| AT | KESSELWAND F. | 507 | 2014 | 3100 | 3150 | 0.507 | | | 160 |
| AT | KESSELWAND F. | 507 | 2014 | 3050 | 3100 | 0.424 | | | -328 |
| AT | KESSELWAND F. | 507 | 2014 | 3000 | 3050 | 0.171 | | | -717 |
| AT | KESSELWAND F. | 507 | 2014 | 2950 | 3000 | 0.073 | | | -1536 |
| AT | KESSELWAND F. | 507 | 2014 | 2900 | 2950 | 0.049 | | | -2303 |
| AT | KESSELWAND F. | 507 | 2014 | 2850 | 2900 | 0.006 | | | -2999 |
| AT | KESSELWAND F. | 507 | 2015 | 3450 | 3500 | 0.018 | | | -765 |
| AT | KESSELWAND F. | 507 | 2015 | 3400 | 3450 | 0.032 | | | -714 |
| AT | KESSELWAND F. | 507 | 2015 | 3350 | 3400 | 0.032 | | | -677 |
| AT | KESSELWAND F. | 507 | 2015 | 3300 | 3350 | 0.185 | | | -372 |
| AT | KESSELWAND F. | 507 | 2015 | 3250 | 3300 | 0.591 | | | -120 |
| AT | KESSELWAND F. | 507 | 2015 | 3200 | 3250 | 0.801 | | | -667 |
| AT | KESSELWAND F. | 507 | 2015 | 3150 | 3200 | 0.719 | | | -885 |
| AT | KESSELWAND F. | 507 | 2015 | 3100 | 3150 | 0.507 | | | -1507 |
| AT | KESSELWAND F. | 507 | 2015 | 3050 | 3100 | 0.424 | | | -2159 |
| AT | KESSELWAND F. | 507 | 2015 | 3000 | 3050 | 0.171 | | | -3430 |
| AT | KESSELWAND F. | 507 | 2015 | 2950 | 3000 | 0.073 | | | -4512 |
| AT | KESSELWAND F. | 507 | 2015 | 2900 | 2950 | 0.049 | | | -4540 |
| AT | KESSELWAND F. | 507 | 2015 | 2850 | 2900 | 0.006 | | | -5017 |
| AT | OBERSULZBACH K. | 583 | 2014 | 3350 | 3400 | 0.017 | 1777 | -765 | 1012 |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| AT | OBERSULZBACH K. | 583 | 2014 | 3300 | 3350 | 0.06 | 1836 | -626 | 1210 |
| AT | OBERSULZBACH K. | 583 | 2014 | 3250 | 3300 | 0.069 | 1863 | -548 | 1315 |
| AT | OBERSULZBACH K. | 583 | 2014 | 3200 | 3250 | 0.082 | 1840 | -446 | 1394 |
| AT | OBERSULZBACH K. | 583 | 2014 | 3150 | 3200 | 0.165 | 1680 | -606 | 1074 |
| AT | OBERSULZBACH K. | 583 | 2014 | 3100 | 3150 | 0.158 | 1573 | -979 | 594 |
| AT | OBERSULZBACH K. | 583 | 2014 | 3050 | 3100 | 0.091 | 1500 | -1136 | 364 |
| AT | OBERSULZBACH K. | 583 | 2014 | 3000 | 3050 | 0.099 | 1447 | -1001 | 446 |
| AT | OBERSULZBACH K. | 583 | 2014 | 2950 | 3000 | 0.12 | 1309 | -851 | 458 |
| AT | OBERSULZBACH K. | 583 | 2014 | 2900 | 2950 | 0.189 | 1234 | -936 | 298 |
| AT | OBERSULZBACH K. | 583 | 2014 | 2850 | 2900 | 0.307 | 1256 | -1077 | 179 |
| AT | OBERSULZBACH K. | 583 | 2014 | 2800 | 2850 | 0.155 | 1257 | -1222 | 35 |
| AT | OBERSULZBACH K. | 583 | 2014 | 2750 | 2800 | 0.139 | 1163 | -1506 | -343 |
| AT | OBERSULZBACH K. | 583 | 2014 | 2700 | 2750 | 0.123 | 1105 | -2251 | -1146 |
| AT | OBERSULZBACH K. | 583 | 2014 | 2650 | 2700 | 0.046 | 1100 | -2583 | -1483 |
| AT | OBERSULZBACH K. | 583 | 2014 | 2600 | 2650 | 0.048 | 1100 | -3005 | -1905 |
| AT | OBERSULZBACH K. | 583 | 2014 | 2550 | 2600 | 0.105 | 1038 | -3312 | -2274 |
| AT | OBERSULZBACH K. | 583 | 2014 | 2500 | 2550 | 0.108 | 887 | -3527 | -2640 |
| AT | OBERSULZBACH K. | 583 | 2014 | 2450 | 2500 | 0.064 | 615 | -3833 | -3218 |
| AT | OBERSULZBACH K. | 583 | 2014 | 2400 | 2450 | 0.021 | 500 | -3750 | -3250 |
| AT | OBERSULZBACH K. | 583 | 2015 | 3350 | 3400 | 0.018 | 1568 | -874 | 694 |
| AT | OBERSULZBACH K. | 583 | 2015 | 3300 | 3350 | 0.065 | 1621 | -844 | 777 |
| AT | OBERSULZBACH K. | 583 | 2015 | 3250 | 3300 | 0.061 | 1600 | -833 | 767 |
| AT | OBERSULZBACH K. | 583 | 2015 | 3200 | 3250 | 0.08 | 1533 | -826 | 707 |
| AT | OBERSULZBACH K. | 583 | 2015 | 3150 | 3200 | 0.16 | 1521 | -1012 | 509 |
| AT | OBERSULZBACH K. | 583 | 2015 | 3100 | 3150 | 0.154 | 1543 | -1403 | 140 |
| AT | OBERSULZBACH K. | 583 | 2015 | 3050 | 3100 | 0.088 | 1500 | -1667 | -167 |
| AT | OBERSULZBACH K. | 583 | 2015 | 3000 | 3050 | 0.096 | 1477 | -1597 | -120 |
| AT | OBERSULZBACH K. | 583 | 2015 | 2950 | 3000 | 0.113 | 1309 | -1404 | -95 |
| AT | OBERSULZBACH K. | 583 | 2015 | 2900 | 2950 | 0.172 | 1165 | -1666 | -501 |
| AT | OBERSULZBACH K. | 583 | 2015 | 2850 | 2900 | 0.296 | 1252 | -2561 | -1309 |
| AT | OBERSULZBACH K. | 583 | 2015 | 2800 | 2850 | 0.146 | 1258 | -4262 | -3004 |
| AT | OBERSULZBACH K. | 583 | 2015 | 2750 | 2800 | 0.128 | 1180 | -5100 | -3920 |
| AT | OBERSULZBACH K. | 583 | 2015 | 2700 | 2750 | 0.111 | 1100 | -5543 | -4443 |
| AT | OBERSULZBACH K. | 583 | 2015 | 2650 | 2700 | 0.045 | 100 | -4850 | -4750 |
| AT | OBERSULZBACH K. | 583 | 2015 | 2600 | 2650 | 0.048 | 100 | -4850 | -4750 |
| AT | OBERSULZBACH K. | 583 | 2015 | 2550 | 2600 | 0.098 | 1077 | -5827 | -4750 |
| AT | OBERSULZBACH K. | 583 | 2015 | 2500 | 2550 | 0.087 | 838 | -5588 | -4750 |
| AT | OBERSULZBACH K. | 583 | 2015 | 2450 | 2500 | 0.027 | 700 | -5450 | -4750 |
| AT | OBERSULZBACH K. | 583 | 2015 | 2400 | 2450 | 0 | 700 | -5450 | -4750 |
| AT | PASTERZE | 566 | 2014 | 3500 | 3600 | 0.000 | | | 16 |
| AT | PASTERZE | 566 | 2014 | 3400 | 3500 | 0.141 | | | 214 |
| AT | PASTERZE | 566 | 2014 | 3300 | 3400 | 0.647 | | | 355 |
| AT | PASTERZE | 566 | 2014 | 3200 | 3300 | 1.547 | | | 433 |
| AT | PASTERZE | 566 | 2014 | 3100 | 3200 | 2.640 | | | 785 |
| AT | PASTERZE | 566 | 2014 | 3000 | 3100 | 3.118 | | | 1073 |
| AT | PASTERZE | 566 | 2014 | 2900 | 3000 | 2.297 | | | 766 |
| AT | PASTERZE | 566 | 2014 | 2800 | 2900 | 1.398 | | | -620 |
| AT | PASTERZE | 566 | 2014 | 2700 | 2800 | 0.713 | | | -1055 |
| AT | PASTERZE | 566 | 2014 | 2600 | 2700 | 0.453 | | | -1865 |
| AT | PASTERZE | 566 | 2014 | 2500 | 2600 | 0.287 | | | -2906 |
| AT | PASTERZE | 566 | 2014 | 2400 | 2500 | 0.237 | | | -3198 |
| AT | PASTERZE | 566 | 2014 | 2300 | 2400 | 0.703 | | | -4283 |
| AT | PASTERZE | 566 | 2014 | 2200 | 2300 | 1.067 | | | -4186 |
| AT | PASTERZE | 566 | 2014 | 2100 | 2200 | 0.899 | | | -4670 |
| AT | PASTERZE | 566 | 2014 | 2000 | 2100 | 0.139 | | | -4798 |
| AT | PASTERZE | 566 | 2015 | 3500 | 3600 | 0 | | | -81 |
| AT | PASTERZE | 566 | 2015 | 3400 | 3500 | 0.141 | | | 61 |
| AT | PASTERZE | 566 | 2015 | 3300 | 3400 | 0.647 | | | 225 |
| AT | PASTERZE | 566 | 2015 | 3200 | 3300 | 1.547 | | | 284 |
| AT | PASTERZE | 566 | 2015 | 3100 | 3200 | 2.64 | | | 170 |
| AT | PASTERZE | 566 | 2015 | 3000 | 3100 | 3.118 | | | -34 |
| AT | PASTERZE | 566 | 2015 | 2900 | 3000 | 2.297 | | | -431 |
| AT | PASTERZE | 566 | 2015 | 2800 | 2900 | 1.398 | | | -1579 |
| AT | PASTERZE | 566 | 2015 | 2700 | 2800 | 0.713 | | | -1879 |
| AT | PASTERZE | 566 | 2015 | 2600 | 2700 | 0.453 | | | -2364 |
| AT | PASTERZE | 566 | 2015 | 2500 | 2600 | 0.287 | | | -4246 |
| AT | PASTERZE | 566 | 2015 | 2400 | 2500 | 0.237 | | | -4985 |
| AT | PASTERZE | 566 | 2015 | 2300 | 2400 | 0.703 | | | -5993 |
| AT | PASTERZE | 566 | 2015 | 2200 | 2300 | 1.067 | | | -5551 |
| AT | PASTERZE | 566 | 2015 | 2100 | 2200 | 0.899 | | | -5921 |
| AT | PASTERZE | 566 | 2015 | 2000 | 2100 | 0.139 | | | -5939 |
| AT | VERNAGT F. | 489 | 2014 | 3500 | 3550 | 0.004 | | | 86 |
| AT | VERNAGT F. | 489 | 2014 | 3450 | 3500 | 0.010 | | | 131 |
| AT | VERNAGT F. | 489 | 2014 | 3400 | 3450 | 0.145 | | | 410 |
| AT | VERNAGT F. | 489 | 2014 | 3350 | 3400 | 0.170 | | | 277 |
| AT | VERNAGT F. | 489 | 2014 | 3300 | 3350 | 0.193 | | | 214 |
| AT | VERNAGT F. | 489 | 2014 | 3250 | 3300 | 0.312 | | | 250 |
| AT | VERNAGT F. | 489 | 2014 | 3200 | 3250 | 0.785 | | | 394 |
| AT | VERNAGT F. | 489 | 2014 | 3150 | 3200 | 0.855 | | | 278 |
| AT | VERNAGT F. | 489 | 2014 | 3100 | 3150 | 1.087 | | | 181 |
| AT | VERNAGT F. | 489 | 2014 | 3050 | 3100 | 1.121 | | | -8 |
| AT | VERNAGT F. | 489 | 2014 | 3000 | 3050 | 1.010 | | | -301 |
| AT | VERNAGT F. | 489 | 2014 | 2950 | 3000 | 0.853 | | | -729 |
| AT | VERNAGT F. | 489 | 2014 | 2900 | 2950 | 0.513 | | | -1272 |
| AT | VERNAGT F. | 489 | 2014 | 2850 | 2900 | 0.267 | | | -1507 |
| AT | VERNAGT F. | 489 | 2014 | 2800 | 2850 | 0.032 | | | -1166 |
| AT | VERNAGT F. | 489 | 2015 | 3500 | 3550 | 0.004 | | | 1 |
| AT | VERNAGT F. | 489 | 2015 | 3450 | 3500 | 0.01 | | | 8 |
| AT | VERNAGT F. | 489 | 2015 | 3400 | 3450 | 0.145 | | | 144 |
| AT | VERNAGT F. | 489 | 2015 | 3350 | 3400 | 0.17 | | | -27 |
| AT | VERNAGT F. | 489 | 2015 | 3300 | 3350 | 0.193 | | | -83 |
| AT | VERNAGT F. | 489 | 2015 | 3250 | 3300 | 0.312 | | | -113 |
| AT | VERNAGT F. | 489 | 2015 | 3200 | 3250 | 0.785 | | | -162 |
| AT | VERNAGT F. | 489 | 2015 | 3150 | 3200 | 0.855 | | | -432 |
| AT | VERNAGT F. | 489 | 2015 | 3100 | 3150 | 1.087 | | | -736 |
| AT | VERNAGT F. | 489 | 2015 | 3050 | 3100 | 1.121 | | | -1297 |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| AT | VERNAGT F. | 489 | 2015 | 3000 | 3050 | 1.009 | | | -1911 |
| AT | VERNAGT F. | 489 | 2015 | 2950 | 3000 | 0.85 | | | -2488 |
| AT | VERNAGT F. | 489 | 2015 | 2900 | 2950 | 0.505 | | | -3087 |
| AT | VERNAGT F. | 489 | 2015 | 2850 | 2900 | 0.237 | | | -3354 |
| AT | VERNAGT F. | 489 | 2015 | 2800 | 2850 | 0.023 | | | -3612 |
| AT | WURTEN K. | 545 | 2014 | 2750 | 2800 | 0.001 | | | 680 |
| AT | WURTEN K. | 545 | 2014 | 2700 | 2750 | 0.016 | | | 437 |
| AT | WURTEN K. | 545 | 2014 | 2650 | 2700 | 0.129 | | | 190 |
| AT | WURTEN K. | 545 | 2014 | 2600 | 2650 | 0.122 | | | -503 |
| AT | WURTEN K. | 545 | 2014 | 2550 | 2600 | 0.059 | | | -1541 |
| AT | WURTEN K. | 545 | 2014 | 2500 | 2550 | 0.002 | | | -2520 |
| AT | WURTEN K. | 545 | 2015 | 2750 | 2800 | 0.001 | | | 42 |
| AT | WURTEN K. | 545 | 2015 | 2700 | 2750 | 0.016 | | | -6 |
| AT | WURTEN K. | 545 | 2015 | 2650 | 2700 | 0.129 | | | -208 |
| AT | WURTEN K. | 545 | 2015 | 2600 | 2650 | 0.122 | | | -1763 |
| AT | WURTEN K. | 545 | 2015 | 2550 | 2600 | 0.059 | | | -3408 |
| AT | WURTEN K. | 545 | 2015 | 2500 | 2550 | 0.002 | | | -3232 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2014 | 3400 | 3450 | 0.024 | 700 | -530 | 170 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2014 | 3350 | 3400 | 0.118 | 751 | -152 | 599 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2014 | 3300 | 3350 | 0.199 | 982 | -304 | 678 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2014 | 3250 | 3300 | 0.293 | 1069 | -705 | 364 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2014 | 3200 | 3250 | 0.364 | 1287 | -347 | 940 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2014 | 3150 | 3200 | 0.281 | 1453 | -303 | 1150 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2014 | 3100 | 3150 | 0.238 | 1422 | -607 | 815 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2014 | 3050 | 3100 | 0.243 | 1329 | -998 | 331 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2014 | 3000 | 3050 | 0.271 | 1177 | -1386 | -209 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2014 | 2950 | 3000 | 0.248 | 1188 | -1641 | -453 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2014 | 2900 | 2950 | 0.266 | 1016 | -2021 | -1005 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2014 | 2850 | 2900 | 0.179 | 1037 | -1866 | -829 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2014 | 2800 | 2850 | 0.104 | 965 | -1994 | -1029 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2014 | 2750 | 2800 | 0.065 | 806 | -2747 | -1941 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2014 | 2700 | 2750 | 0.038 | 787 | -3237 | -2450 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2014 | 2650 | 2700 | 0 | 900 | -3650 | -2750 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2015 | 3400 | 3450 | 0.01 | 800 | -1050 | -250 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2015 | 3350 | 3400 | 0.114 | 915 | -1128 | -213 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2015 | 3300 | 3350 | 0.191 | 1191 | -1769 | -578 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2015 | 3250 | 3300 | 0.274 | 1377 | -2121 | -744 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2015 | 3200 | 3250 | 0.369 | 1795 | -2124 | -329 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2015 | 3150 | 3200 | 0.272 | 1732 | -2185 | -453 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2015 | 3100 | 3150 | 0.221 | 1583 | -2424 | -841 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2015 | 3050 | 3100 | 0.228 | 1361 | -2915 | -1554 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2015 | 3000 | 3050 | 0.252 | 1119 | -3481 | -2362 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2015 | 2950 | 3000 | 0.233 | 1067 | -4041 | -2974 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2015 | 2900 | 2950 | 0.244 | 1162 | -4453 | -3291 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2015 | 2850 | 2900 | 0.184 | 1302 | -4331 | -3029 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2015 | 2800 | 2850 | 0.115 | 1342 | -4285 | -2943 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2015 | 2750 | 2800 | 0.059 | 1277 | -4890 | -3613 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2015 | 2700 | 2750 | 0.028 | 1007 | -5585 | -4578 |
| AT | ZETTALUNITZ/MULLWITZ K. | 578 | 2015 | 2650 | 2700 | 0.004 | 900 | -5650 | -4750 |
| **BO - Bolivia** | | | | | | | | | |
| BO | CHARQUINI SUR | 2667 | 2014 | 5350 | 5400 | 0.002 | | | 349 |
| BO | CHARQUINI SUR | 2667 | 2014 | 5300 | 5350 | 0.011 | | | 349 |
| BO | CHARQUINI SUR | 2667 | 2014 | 5250 | 5300 | 0.037 | | | 270 |
| BO | CHARQUINI SUR | 2667 | 2014 | 5200 | 5250 | 0.048 | | | 290 |
| BO | CHARQUINI SUR | 2667 | 2014 | 5150 | 5200 | 0.093 | | | -507 |
| BO | CHARQUINI SUR | 2667 | 2014 | 5100 | 5150 | 0.087 | | | -507 |
| BO | CHARQUINI SUR | 2667 | 2014 | 5050 | 5100 | 0.026 | | | -1212 |
| BO | CHARQUINI SUR | 2667 | 2014 | 5000 | 5050 | 0.004 | | | -1742 |
| BO | CHARQUINI SUR | 2667 | 2015 | 5350 | 5400 | 0.002 | | | 951 |
| BO | CHARQUINI SUR | 2667 | 2015 | 5300 | 5350 | 0.011 | | | 951 |
| BO | CHARQUINI SUR | 2667 | 2015 | 5250 | 5300 | 0.037 | | | 951 |
| BO | CHARQUINI SUR | 2667 | 2015 | 5200 | 5250 | 0.048 | | | 649 |
| BO | CHARQUINI SUR | 2667 | 2015 | 5150 | 5200 | 0.093 | | | -280 |
| BO | CHARQUINI SUR | 2667 | 2015 | 5100 | 5150 | 0.087 | | | -166 |
| BO | CHARQUINI SUR | 2667 | 2015 | 5050 | 5100 | 0.026 | | | -427 |
| BO | CHARQUINI SUR | 2667 | 2015 | 5000 | 5050 | 0.004 | | | -689 |
| BO | ZONGO | 1503 | 2014 | 5900 | 6000 | 0.063 | | | 1050 |
| BO | ZONGO | 1503 | 2014 | 5800 | 5900 | 0.105 | | | 1050 |
| BO | ZONGO | 1503 | 2014 | 5700 | 5800 | 0.187 | | | 1050 |
| BO | ZONGO | 1503 | 2014 | 5600 | 5700 | 0.261 | | | 757 |
| BO | ZONGO | 1503 | 2014 | 5500 | 5600 | 0.296 | | | 464 |
| BO | ZONGO | 1503 | 2014 | 5400 | 5500 | 0.219 | | | 170 |
| BO | ZONGO | 1503 | 2014 | 5300 | 5400 | 0.156 | | | -123 |
| BO | ZONGO | 1503 | 2014 | 5200 | 5300 | 0.138 | | | -416 |
| BO | ZONGO | 1503 | 2014 | 5100 | 5200 | 0.257 | | | -709 |
| BO | ZONGO | 1503 | 2014 | 5000 | 5100 | 0.183 | | | -2911 |
| BO | ZONGO | 1503 | 2014 | 4900 | 5000 | 0.028 | | | -4875 |
| BO | ZONGO | 1503 | 2015 | 5900 | 6000 | 0.063 | | | 1157 |
| BO | ZONGO | 1503 | 2015 | 5800 | 5900 | 0.105 | | | 1157 |
| BO | ZONGO | 1503 | 2015 | 5700 | 5800 | 0.187 | | | 1157 |
| BO | ZONGO | 1503 | 2015 | 5600 | 5700 | 0.261 | | | 1227 |
| BO | ZONGO | 1503 | 2015 | 5500 | 5600 | 0.296 | | | 999 |
| BO | ZONGO | 1503 | 2015 | 5400 | 5500 | 0.219 | | | 570 |
| BO | ZONGO | 1503 | 2015 | 5300 | 5400 | 0.156 | | | 141 |
| BO | ZONGO | 1503 | 2015 | 5200 | 5300 | 0.138 | | | -288 |
| BO | ZONGO | 1503 | 2015 | 5100 | 5200 | 0.257 | | | -717 |
| BO | ZONGO | 1503 | 2015 | 5000 | 5100 | 0.182 | | | -1174 |
| BO | ZONGO | 1503 | 2015 | 4900 | 5000 | 0.026 | | | -1631 |
| **CA - Canada** | | | | | | | | | |
| CA | WHITE | 0 | 2014 | 1775 | 1800 | 0.008 | | | 228 |
| CA | WHITE | 0 | 2014 | 1750 | 1775 | 0.038 | | | 228 |
| CA | WHITE | 0 | 2014 | 1725 | 1750 | 0.059 | | | 228 |
| CA | WHITE | 0 | 2014 | 1700 | 1725 | 0.077 | | | 228 |
| CA | WHITE | 0 | 2014 | 1675 | 1700 | 0.076 | | | 228 |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| CA | WHITE | 0 | 2014 | 1650 | 1675 | 0.103 | | | 228 |
| CA | WHITE | 0 | 2014 | 1625 | 1650 | 0.197 | | | 228 |
| CA | WHITE | 0 | 2014 | 1600 | 1625 | 0.184 | | | 228 |
| CA | WHITE | 0 | 2014 | 1575 | 1600 | 0.263 | | | 228 |
| CA | WHITE | 0 | 2014 | 1550 | 1575 | 0.446 | | | 228 |
| CA | WHITE | 0 | 2014 | 1525 | 1550 | 0.493 | | | 228 |
| CA | WHITE | 0 | 2014 | 1500 | 1525 | 0.628 | | | 206 |
| CA | WHITE | 0 | 2014 | 1475 | 1500 | 0.736 | | | 182 |
| CA | WHITE | 0 | 2014 | 1450 | 1475 | 0.802 | | | 157 |
| CA | WHITE | 0 | 2014 | 1425 | 1450 | 1.092 | | | 131 |
| CA | WHITE | 0 | 2014 | 1400 | 1425 | 1.225 | | | 103 |
| CA | WHITE | 0 | 2014 | 1375 | 1400 | 1.412 | | | 73 |
| CA | WHITE | 0 | 2014 | 1350 | 1375 | 1.421 | | | 43 |
| CA | WHITE | 0 | 2014 | 1325 | 1350 | 1.575 | | | 11 |
| CA | WHITE | 0 | 2014 | 1300 | 1325 | 1.335 | | | -22 |
| CA | WHITE | 0 | 2014 | 1275 | 1300 | 1.370 | | | -56 |
| CA | WHITE | 0 | 2014 | 1250 | 1275 | 1.666 | | | -91 |
| CA | WHITE | 0 | 2014 | 1225 | 1250 | 1.278 | | | -127 |
| CA | WHITE | 0 | 2014 | 1200 | 1225 | 1.277 | | | -164 |
| CA | WHITE | 0 | 2014 | 1175 | 1200 | 1.233 | | | -203 |
| CA | WHITE | 0 | 2014 | 1150 | 1175 | 1.328 | | | -242 |
| CA | WHITE | 0 | 2014 | 1125 | 1150 | 1.271 | | | -282 |
| CA | WHITE | 0 | 2014 | 1100 | 1125 | 1.177 | | | -323 |
| CA | WHITE | 0 | 2014 | 1075 | 1100 | 1.128 | | | -364 |
| CA | WHITE | 0 | 2014 | 1050 | 1075 | 1.020 | | | -407 |
| CA | WHITE | 0 | 2014 | 1025 | 1050 | 0.859 | | | -450 |
| CA | WHITE | 0 | 2014 | 1000 | 1025 | 0.734 | | | -494 |
| CA | WHITE | 0 | 2014 | 975 | 1000 | 0.802 | | | -538 |
| CA | WHITE | 0 | 2014 | 950 | 975 | 0.877 | | | -583 |
| CA | WHITE | 0 | 2014 | 925 | 950 | 0.537 | | | -629 |
| CA | WHITE | 0 | 2014 | 900 | 925 | 0.455 | | | -675 |
| CA | WHITE | 0 | 2014 | 875 | 900 | 0.476 | | | -721 |
| CA | WHITE | 0 | 2014 | 850 | 875 | 0.749 | | | -768 |
| CA | WHITE | 0 | 2014 | 825 | 850 | 0.541 | | | -815 |
| CA | WHITE | 0 | 2014 | 800 | 825 | 0.4 | | | -862 |
| CA | WHITE | 0 | 2014 | 775 | 800 | 0.302 | | | -910 |
| CA | WHITE | 0 | 2014 | 750 | 775 | 0.275 | | | -958 |
| CA | WHITE | 0 | 2014 | 725 | 750 | 0.250 | | | -1006 |
| CA | WHITE | 0 | 2014 | 700 | 725 | 0.236 | | | -1055 |
| CA | WHITE | 0 | 2014 | 675 | 700 | 0.630 | | | -1103 |
| CA | WHITE | 0 | 2014 | 650 | 675 | 0.290 | | | -1151 |
| CA | WHITE | 0 | 2014 | 625 | 650 | 0.214 | | | -1200 |
| CA | WHITE | 0 | 2014 | 600 | 625 | 0.455 | | | -1248 |
| CA | WHITE | 0 | 2014 | 575 | 600 | 0.493 | | | -1296 |
| CA | WHITE | 0 | 2014 | 550 | 575 | 0.292 | | | -1345 |
| CA | WHITE | 0 | 2014 | 525 | 550 | 0.190 | | | -1393 |
| CA | WHITE | 0 | 2014 | 500 | 525 | 0.206 | | | -1440 |
| CA | WHITE | 0 | 2014 | 475 | 500 | 0.203 | | | -1488 |
| CA | WHITE | 0 | 2014 | 450 | 475 | 0.277 | | | -1535 |
| CA | WHITE | 0 | 2014 | 425 | 450 | 0.2 | | | -1582 |
| CA | WHITE | 0 | 2014 | 400 | 425 | 0.145 | | | -1628 |
| CA | WHITE | 0 | 2014 | 375 | 400 | 0.175 | | | -1674 |
| CA | WHITE | 0 | 2014 | 350 | 375 | 0.254 | | | -1720 |
| CA | WHITE | 0 | 2014 | 325 | 350 | 0.402 | | | -1765 |
| CA | WHITE | 0 | 2014 | 300 | 325 | 0.211 | | | -1809 |
| CA | WHITE | 0 | 2014 | 275 | 300 | 0.113 | | | -1853 |
| CA | WHITE | 0 | 2014 | 250 | 275 | 0.117 | | | -1896 |
| CA | WHITE | 0 | 2014 | 225 | 250 | 0.352 | | | -1938 |
| CA | WHITE | 0 | 2014 | 200 | 225 | 0.269 | | | -1980 |
| CA | WHITE | 0 | 2014 | 175 | 200 | 0.367 | | | -2021 |
| CA | WHITE | 0 | 2014 | 150 | 175 | 0.128 | | | -2060 |
| CA | WHITE | 0 | 2014 | 125 | 150 | 0.080 | | | -2100 |
| CA | WHITE | 0 | 2014 | 100 | 125 | 0.057 | | | -2138 |
| CA | WHITE | 0 | 2014 | 75 | 100 | 0.015 | | | -2138 |
| CA | WHITE | 0 | 2015 | 1775 | 1800 | 0.008 | | | 428 |
| CA | WHITE | 0 | 2015 | 1750 | 1775 | 0.038 | | | 428 |
| CA | WHITE | 0 | 2015 | 1725 | 1750 | 0.059 | | | 428 |
| CA | WHITE | 0 | 2015 | 1700 | 1725 | 0.077 | | | 428 |
| CA | WHITE | 0 | 2015 | 1675 | 1700 | 0.076 | | | 428 |
| CA | WHITE | 0 | 2015 | 1650 | 1675 | 0.103 | | | 428 |
| CA | WHITE | 0 | 2015 | 1625 | 1650 | 0.197 | | | 428 |
| CA | WHITE | 0 | 2015 | 1600 | 1625 | 0.184 | | | 428 |
| CA | WHITE | 0 | 2015 | 1575 | 1600 | 0.263 | | | 428 |
| CA | WHITE | 0 | 2015 | 1550 | 1575 | 0.446 | | | 428 |
| CA | WHITE | 0 | 2015 | 1525 | 1550 | 0.493 | | | 428 |
| CA | WHITE | 0 | 2015 | 1500 | 1525 | 0.628 | | | 362 |
| CA | WHITE | 0 | 2015 | 1475 | 1500 | 0.736 | | | 296 |
| CA | WHITE | 0 | 2015 | 1450 | 1475 | 0.802 | | | 230 |
| CA | WHITE | 0 | 2015 | 1425 | 1450 | 1.092 | | | 164 |
| CA | WHITE | 0 | 2015 | 1400 | 1425 | 1.225 | | | 98 |
| CA | WHITE | 0 | 2015 | 1375 | 1400 | 1.412 | | | 33 |
| CA | WHITE | 0 | 2015 | 1350 | 1375 | 1.421 | | | -33 |
| CA | WHITE | 0 | 2015 | 1325 | 1350 | 1.575 | | | -98 |
| CA | WHITE | 0 | 2015 | 1300 | 1325 | 1.335 | | | -162 |
| CA | WHITE | 0 | 2015 | 1275 | 1300 | 1.370 | | | -227 |
| CA | WHITE | 0 | 2015 | 1250 | 1275 | 1.666 | | | -291 |
| CA | WHITE | 0 | 2015 | 1225 | 1250 | 1.278 | | | -355 |
| CA | WHITE | 0 | 2015 | 1200 | 1225 | 1.277 | | | -419 |
| CA | WHITE | 0 | 2015 | 1175 | 1200 | 1.233 | | | -482 |
| CA | WHITE | 0 | 2015 | 1150 | 1175 | 1.328 | | | -545 |
| CA | WHITE | 0 | 2015 | 1125 | 1150 | 1.271 | | | -608 |
| CA | WHITE | 0 | 2015 | 1100 | 1125 | 1.177 | | | -670 |
| CA | WHITE | 0 | 2015 | 1075 | 1100 | 1.128 | | | -732 |
| CA | WHITE | 0 | 2015 | 1050 | 1075 | 1.020 | | | -794 |
| CA | WHITE | 0 | 2015 | 1025 | 1050 | 0.859 | | | -855 |
| CA | WHITE | 0 | 2015 | 1000 | 1025 | 0.734 | | | -916 |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| CA | WHITE | 0 | 2015 | 975 | 1000 | 0.802 | | | -976 |
| CA | WHITE | 0 | 2015 | 950 | 975 | 0.877 | | | -1036 |
| CA | WHITE | 0 | 2015 | 925 | 950 | 0.537 | | | -1096 |
| CA | WHITE | 0 | 2015 | 900 | 925 | 0.455 | | | -1155 |
| CA | WHITE | 0 | 2015 | 875 | 900 | 0.476 | | | -1214 |
| CA | WHITE | 0 | 2015 | 850 | 875 | 0.749 | | | -1272 |
| CA | WHITE | 0 | 2015 | 825 | 850 | 0.541 | | | -1330 |
| CA | WHITE | 0 | 2015 | 800 | 825 | 0.4 | | | -1388 |
| CA | WHITE | 0 | 2015 | 775 | 800 | 0.302 | | | -1445 |
| CA | WHITE | 0 | 2015 | 750 | 775 | 0.275 | | | -1501 |
| CA | WHITE | 0 | 2015 | 725 | 750 | 0.250 | | | -1557 |
| CA | WHITE | 0 | 2015 | 700 | 725 | 0.236 | | | -1612 |
| CA | WHITE | 0 | 2015 | 675 | 700 | 0.630 | | | -1667 |
| CA | WHITE | 0 | 2015 | 650 | 675 | 0.290 | | | -1721 |
| CA | WHITE | 0 | 2015 | 625 | 650 | 0.214 | | | -1775 |
| CA | WHITE | 0 | 2015 | 600 | 625 | 0.455 | | | -1828 |
| CA | WHITE | 0 | 2015 | 575 | 600 | 0.493 | | | -1881 |
| CA | WHITE | 0 | 2015 | 550 | 575 | 0.292 | | | -1933 |
| CA | WHITE | 0 | 2015 | 525 | 550 | 0.190 | | | -1984 |
| CA | WHITE | 0 | 2015 | 500 | 525 | 0.206 | | | -2035 |
| CA | WHITE | 0 | 2015 | 475 | 500 | 0.203 | | | -2085 |
| CA | WHITE | 0 | 2015 | 450 | 475 | 0.277 | | | -2135 |
| CA | WHITE | 0 | 2015 | 425 | 450 | 0.2 | | | -2184 |
| CA | WHITE | 0 | 2015 | 400 | 425 | 0.145 | | | -2232 |
| CA | WHITE | 0 | 2015 | 375 | 400 | 0.175 | | | -2279 |
| CA | WHITE | 0 | 2015 | 350 | 375 | 0.254 | | | -2326 |
| CA | WHITE | 0 | 2015 | 325 | 350 | 0.402 | | | -2372 |
| CA | WHITE | 0 | 2015 | 300 | 325 | 0.211 | | | -2418 |
| CA | WHITE | 0 | 2015 | 275 | 300 | 0.113 | | | -2462 |
| CA | WHITE | 0 | 2015 | 250 | 275 | 0.117 | | | -2506 |
| CA | WHITE | 0 | 2015 | 225 | 250 | 0.352 | | | -2550 |
| CA | WHITE | 0 | 2015 | 200 | 225 | 0.269 | | | -2592 |
| CA | WHITE | 0 | 2015 | 175 | 200 | 0.367 | | | -2634 |
| CA | WHITE | 0 | 2015 | 150 | 175 | 0.128 | | | -2675 |
| CA | WHITE | 0 | 2015 | 125 | 150 | 0.080 | | | -2715 |
| CA | WHITE | 0 | 2015 | 100 | 125 | 0.057 | | | -2715 |
| CA | WHITE | 0 | 2015 | 75 | 100 | 0.015 | | | -2715 |
| **CH - Switzerland** | | | | | | | | | |
| CH | ADLER | 3801 | 2014 | 4100 | 4200 | 0.004 | 529 | 135 | 664 |
| CH | ADLER | 3801 | 2014 | 4000 | 4100 | 0.014 | 554 | 118 | 672 |
| CH | ADLER | 3801 | 2014 | 3900 | 4000 | 0.046 | 671 | 129 | 800 |
| CH | ADLER | 3801 | 2014 | 3800 | 3900 | 0.104 | 872 | 194 | 1066 |
| CH | ADLER | 3801 | 2014 | 3700 | 3800 | 0.177 | 1041 | 178 | 1219 |
| CH | ADLER | 3801 | 2014 | 3600 | 3700 | 0.209 | 1175 | 46 | 1221 |
| CH | ADLER | 3801 | 2014 | 3500 | 3600 | 0.249 | 1159 | -208 | 951 |
| CH | ADLER | 3801 | 2014 | 3400 | 3500 | 0.316 | 1042 | -607 | 435 |
| CH | ADLER | 3801 | 2014 | 3300 | 3400 | 0.421 | 926 | -966 | -40 |
| CH | ADLER | 3801 | 2014 | 3200 | 3300 | 0.248 | 850 | -1607 | -757 |
| CH | ADLER | 3801 | 2014 | 3100 | 3200 | 0.119 | 831 | -2301 | -1470 |
| CH | ADLER | 3801 | 2014 | 3000 | 3100 | 0.099 | 786 | -2352 | -1566 |
| CH | ADLER | 3801 | 2014 | 2900 | 3000 | 0.004 | 757 | -2546 | -1789 |
| CH | ADLER | 3801 | 2015 | 4100 | 4200 | 0.004 | 565 | -53 | 512 |
| CH | ADLER | 3801 | 2015 | 4000 | 4100 | 0.014 | 657 | -46 | 611 |
| CH | ADLER | 3801 | 2015 | 3900 | 4000 | 0.046 | 876 | -8 | 868 |
| CH | ADLER | 3801 | 2015 | 3800 | 3900 | 0.104 | 903 | -73 | 830 |
| CH | ADLER | 3801 | 2015 | 3700 | 3800 | 0.177 | 1152 | -69 | 1083 |
| CH | ADLER | 3801 | 2015 | 3600 | 3700 | 0.209 | 878 | -535 | 343 |
| CH | ADLER | 3801 | 2015 | 3500 | 3600 | 0.249 | 986 | -786 | 200 |
| CH | ADLER | 3801 | 2015 | 3400 | 3500 | 0.316 | 945 | -1278 | -333 |
| CH | ADLER | 3801 | 2015 | 3300 | 3400 | 0.421 | 1015 | -1570 | -555 |
| CH | ADLER | 3801 | 2015 | 3200 | 3300 | 0.248 | 1027 | -2414 | -1387 |
| CH | ADLER | 3801 | 2015 | 3100 | 3200 | 0.119 | 1030 | -3085 | -2055 |
| CH | ADLER | 3801 | 2015 | 3000 | 3100 | 0.099 | 952 | -3688 | -2736 |
| CH | ADLER | 3801 | 2015 | 2900 | 3000 | 0.004 | 856 | -4057 | -3201 |
| CH | ALLALIN | 394 | 2014 | 4100 | 4180 | 0.091 | 810 | | 728 |
| CH | ALLALIN | 394 | 2014 | 4000 | 4100 | 0.181 | 928 | | 835 |
| CH | ALLALIN | 394 | 2014 | 3900 | 4000 | 0.291 | 1046 | | 890 |
| CH | ALLALIN | 394 | 2014 | 3800 | 3900 | 0.449 | 1133 | | 900 |
| CH | ALLALIN | 394 | 2014 | 3700 | 3800 | 0.518 | 1238 | | 951 |
| CH | ALLALIN | 394 | 2014 | 3600 | 3700 | 0.838 | 1354 | | 896 |
| CH | ALLALIN | 394 | 2014 | 3500 | 3600 | 0.949 | 1448 | | 830 |
| CH | ALLALIN | 394 | 2014 | 3400 | 3500 | 1.063 | 1495 | | 624 |
| CH | ALLALIN | 394 | 2014 | 3300 | 3400 | 1.005 | 1477 | | 318 |
| CH | ALLALIN | 394 | 2014 | 3200 | 3300 | 1.592 | 1445 | | -130 |
| CH | ALLALIN | 394 | 2014 | 3100 | 3200 | 0.739 | 1411 | | -330 |
| CH | ALLALIN | 394 | 2014 | 3000 | 3100 | 0.717 | 1364 | | -723 |
| CH | ALLALIN | 394 | 2014 | 2900 | 3000 | 0.483 | 1302 | | -1261 |
| CH | ALLALIN | 394 | 2014 | 2800 | 2900 | 0.604 | 1236 | | -1910 |
| CH | ALLALIN | 394 | 2014 | 2700 | 2800 | 0.183 | 1201 | | -2107 |
| CH | ALLALIN | 394 | 2014 | 2656 | 2700 | 0.01 | 1158 | | -1975 |
| CH | ALLALIN | 394 | 2015 | 4100 | 4200 | 0.091 | | | 401 |
| CH | ALLALIN | 394 | 2015 | 4000 | 4100 | 0.181 | | | 446 |
| CH | ALLALIN | 394 | 2015 | 3900 | 4000 | 0.291 | | | 442 |
| CH | ALLALIN | 394 | 2015 | 3800 | 3900 | 0.449 | | | 406 |
| CH | ALLALIN | 394 | 2015 | 3700 | 3800 | 0.518 | | | 404 |
| CH | ALLALIN | 394 | 2015 | 3600 | 3700 | 0.838 | | | 293 |
| CH | ALLALIN | 394 | 2015 | 3500 | 3600 | 0.949 | | | 175 |
| CH | ALLALIN | 394 | 2015 | 3400 | 3500 | 1.063 | | | 23 |
| CH | ALLALIN | 394 | 2015 | 3300 | 3400 | 1.005 | | | 98 |
| CH | ALLALIN | 394 | 2015 | 3200 | 3300 | 1.592 | | | -546 |
| CH | ALLALIN | 394 | 2015 | 3100 | 3200 | 0.739 | | | -1056 |
| CH | ALLALIN | 394 | 2015 | 3000 | 3100 | 0.717 | | | -2006 |
| CH | ALLALIN | 394 | 2015 | 2900 | 3000 | 0.486 | | | -3100 |
| CH | ALLALIN | 394 | 2015 | 2800 | 2900 | 0.583 | | | -3895 |
| CH | ALLALIN | 394 | 2015 | 2700 | 2800 | 0.157 | | | -4092 |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| CH | ALLALIN | 394 | 2015 | 2600 | 2700 | 0.002 | | | -3878 |
| CH | BASODINO | 463 | 2014 | 3000 | 3100 | 0.48 | 1806 | | 350 |
| CH | BASODINO | 463 | 2014 | 2900 | 3000 | 0.56 | 1806 | | 150 |
| CH | BASODINO | 463 | 2014 | 2800 | 2900 | 0.55 | 1720 | | -400 |
| CH | BASODINO | 463 | 2014 | 2700 | 2800 | 0.45 | 1634 | | -750 |
| CH | BASODINO | 463 | 2014 | 2600 | 2700 | 0.24 | 1584 | | -1100 |
| CH | BASODINO | 463 | 2015 | 3100 | 3200 | 0.059 | 1481 | | -1295 |
| CH | BASODINO | 463 | 2015 | 3000 | 3100 | 0.314 | 1882 | | -711 |
| CH | BASODINO | 463 | 2015 | 2900 | 3000 | 0.528 | 1968 | | -744 |
| CH | BASODINO | 463 | 2015 | 2800 | 2900 | 0.429 | 1911 | | -2326 |
| CH | BASODINO | 463 | 2015 | 2700 | 2800 | 0.36 | 1982 | | -1534 |
| CH | BASODINO | 463 | 2015 | 2600 | 2700 | 0.141 | 1985 | | -1510 |
| CH | BASODINO | 463 | 2015 | 2500 | 2600 | 0.01 | 1980 | | -2114 |
| CH | CLARIDENFIRN | 2660 | 2014 | 3200 | 3207 | 0.001 | 0 | | 0 |
| CH | CLARIDENFIRN | 2660 | 2014 | 3100 | 3200 | 0.034 | 1024 | | -144 |
| CH | CLARIDENFIRN | 2660 | 2014 | 3000 | 3100 | 0.265 | 1486 | | 323 |
| CH | CLARIDENFIRN | 2660 | 2014 | 2900 | 3000 | 1.599 | 1410 | | 44 |
| CH | CLARIDENFIRN | 2660 | 2014 | 2800 | 2900 | 1.285 | 1541 | | 37 |
| CH | CLARIDENFIRN | 2660 | 2014 | 2700 | 2800 | 0.79 | 1504 | | -443 |
| CH | CLARIDENFIRN | 2660 | 2014 | 2600 | 2700 | 0.942 | 1395 | | -800 |
| CH | CLARIDENFIRN | 2660 | 2014 | 2500 | 2600 | 0.204 | 1024 | | -5870 |
| CH | CLARIDENFIRN | 2660 | 2014 | 2440 | 2500 | 0.01 | 940 | | -46987 |
| CH | CLARIDENFIRN | 2660 | 2015 | 3200 | 3300 | 0.006 | 0 | 0 | 0 |
| CH | CLARIDENFIRN | 2660 | 2015 | 3100 | 3200 | 0.031 | 1363 | -1370 | -7 |
| CH | CLARIDENFIRN | 2660 | 2015 | 3000 | 3100 | 0.194 | 1788 | -1606 | 182 |
| CH | CLARIDENFIRN | 2660 | 2015 | 2900 | 3000 | 1.498 | 1678 | -2278 | -600 |
| CH | CLARIDENFIRN | 2660 | 2015 | 2800 | 2900 | 1.304 | 1794 | -2758 | -964 |
| CH | CLARIDENFIRN | 2660 | 2015 | 2700 | 2800 | 0.693 | 1670 | -3471 | -1801 |
| CH | CLARIDENFIRN | 2660 | 2015 | 2600 | 2700 | 0.755 | 1602 | -4692 | -3090 |
| CH | CLARIDENFIRN | 2660 | 2015 | 2500 | 2600 | 0.071 | 1189 | -8193 | -7004 |
| CH | CORBASSIERE | 366 | 2015 | 4300 | 4400 | 0.006 | | | -7 |
| CH | CORBASSIERE | 366 | 2015 | 4200 | 4300 | 0.079 | | | 109 |
| CH | CORBASSIERE | 366 | 2015 | 4100 | 4200 | 0.241 | | | 134 |
| CH | CORBASSIERE | 366 | 2015 | 4000 | 4100 | 0.533 | | | 123 |
| CH | CORBASSIERE | 366 | 2015 | 3900 | 4000 | 0.224 | | | 237 |
| CH | CORBASSIERE | 366 | 2015 | 3800 | 3900 | 0.247 | | | 271 |
| CH | CORBASSIERE | 366 | 2015 | 3700 | 3800 | 0.31 | | | 213 |
| CH | CORBASSIERE | 366 | 2015 | 3600 | 3700 | 0.416 | | | 139 |
| CH | CORBASSIERE | 366 | 2015 | 3500 | 3600 | 0.923 | | | -55 |
| CH | CORBASSIERE | 366 | 2015 | 3400 | 3500 | 1.364 | | | -260 |
| CH | CORBASSIERE | 366 | 2015 | 3300 | 3400 | 2.344 | | | -622 |
| CH | CORBASSIERE | 366 | 2015 | 3200 | 3300 | 1.552 | | | -971 |
| CH | CORBASSIERE | 366 | 2015 | 3100 | 3200 | 1.009 | | | -1080 |
| CH | CORBASSIERE | 366 | 2015 | 3000 | 3100 | 1.649 | | | -1770 |
| CH | CORBASSIERE | 366 | 2015 | 2900 | 3000 | 0.889 | | | -2075 |
| CH | CORBASSIERE | 366 | 2015 | 2800 | 2900 | 0.664 | | | -2393 |
| CH | CORBASSIERE | 366 | 2015 | 2700 | 2800 | 0.71 | | | -3386 |
| CH | CORBASSIERE | 366 | 2015 | 2600 | 2700 | 1.087 | | | -4305 |
| CH | CORBASSIERE | 366 | 2015 | 2500 | 2600 | 0.48 | | | -4476 |
| CH | CORBASSIERE | 366 | 2015 | 2400 | 2500 | 0.36 | | | -5157 |
| CH | CORBASSIERE | 366 | 2015 | 2300 | 2400 | 0.08 | | | -5383 |
| CH | CORVATSCH SOUTH | 4535 | 2014 | 3400 | 3450 | 0.002 | 1148 | -282 | 865 |
| CH | CORVATSCH SOUTH | 4535 | 2014 | 3350 | 3400 | 0.013 | 1241 | -369 | 871 |
| CH | CORVATSCH SOUTH | 4535 | 2014 | 3300 | 3350 | 0.031 | 1238 | -581 | 657 |
| CH | CORVATSCH SOUTH | 4535 | 2014 | 3250 | 3300 | 0.070 | 1099 | -972 | 126 |
| CH | CORVATSCH SOUTH | 4535 | 2014 | 3200 | 3250 | 0.061 | 1004 | -1099 | -95 |
| CH | CORVATSCH SOUTH | 4535 | 2014 | 3150 | 3200 | 0.023 | 996 | -1245 | -248 |
| CH | CORVATSCH SOUTH | 4535 | 2014 | 3100 | 3150 | 0.008 | 1177 | -1239 | -62 |
| CH | CORVATSCH SOUTH | 4535 | 2014 | 3050 | 3100 | 0.009 | 1189 | -1405 | -216 |
| CH | CORVATSCH SOUTH | 4535 | 2014 | 3000 | 3050 | 0.005 | 1141 | -1223 | -82 |
| CH | CORVATSCH SOUTH | 4535 | 2014 | 2950 | 3000 | 0.003 | 1128 | -1508 | -380 |
| CH | CORVATSCH SOUTH | 4535 | 2015 | 3300 | 3350 | 0.031 | 885 | -1680 | -795 |
| CH | CORVATSCH SOUTH | 4535 | 2015 | 3250 | 3300 | 0.070 | 786 | -2398 | -1612 |
| CH | CORVATSCH SOUTH | 4535 | 2015 | 3200 | 3250 | 0.061 | 745 | -2933 | -2188 |
| CH | CORVATSCH SOUTH | 4535 | 2015 | 3150 | 3200 | 0.023 | 883 | -2891 | -2008 |
| CH | CORVATSCH SOUTH | 4535 | 2015 | 3100 | 3150 | 0.008 | 901 | -2651 | -1750 |
| CH | CORVATSCH SOUTH | 4535 | 2015 | 3050 | 3100 | 0.009 | 864 | -2942 | -2078 |
| CH | CORVATSCH SOUTH | 4535 | 2015 | 3000 | 3050 | 0.005 | 877 | -2345 | -1468 |
| CH | CORVATSCH SOUTH | 4535 | 2015 | 2950 | 3000 | 0.003 | 874 | -2896 | -2022 |
| CH | FINDELEN | 389 | 2014 | 3900 | 4000 | 0.011 | 1030 | 256 | 1286 |
| CH | FINDELEN | 389 | 2014 | 3800 | 3900 | 0.252 | 1059 | 120 | 1179 |
| CH | FINDELEN | 389 | 2014 | 3700 | 3800 | 0.301 | 988 | -45 | 943 |
| CH | FINDELEN | 389 | 2014 | 3600 | 3700 | 0.439 | 1194 | -74 | 1120 |
| CH | FINDELEN | 389 | 2014 | 3500 | 3600 | 1.608 | 1464 | -104 | 1360 |
| CH | FINDELEN | 389 | 2014 | 3400 | 3500 | 2.358 | 1528 | -327 | 1201 |
| CH | FINDELEN | 389 | 2014 | 3300 | 3400 | 1.945 | 1421 | -630 | 791 |
| CH | FINDELEN | 389 | 2014 | 3200 | 3300 | 1.834 | 1329 | -889 | 440 |
| CH | FINDELEN | 389 | 2014 | 3100 | 3200 | 1.736 | 1147 | -1476 | -329 |
| CH | FINDELEN | 389 | 2014 | 3000 | 3100 | 0.977 | 991 | -2203 | -1212 |
| CH | FINDELEN | 389 | 2014 | 2900 | 3000 | 0.578 | 839 | -3029 | -2190 |
| CH | FINDELEN | 389 | 2014 | 2800 | 2900 | 0.338 | 726 | -3516 | -2790 |
| CH | FINDELEN | 389 | 2014 | 2700 | 2800 | 0.218 | 583 | -4589 | -4006 |
| CH | FINDELEN | 389 | 2014 | 2600 | 2700 | 0.259 | 454 | -5871 | -5417 |
| CH | FINDELEN | 389 | 2014 | 2500 | 2600 | 0.028 | 363 | -6204 | -5841 |
| CH | FINDELEN | 389 | 2015 | 3900 | 4000 | 0.011 | 571 | -270 | 301 |
| CH | FINDELEN | 389 | 2015 | 3800 | 3900 | 0.252 | 710 | -366 | 344 |
| CH | FINDELEN | 389 | 2015 | 3700 | 3800 | 0.301 | 759 | -439 | 320 |
| CH | FINDELEN | 389 | 2015 | 3600 | 3700 | 0.439 | 1154 | -339 | 815 |
| CH | FINDELEN | 389 | 2015 | 3500 | 3600 | 1.608 | 1266 | -501 | 765 |
| CH | FINDELEN | 389 | 2015 | 3400 | 3500 | 2.358 | 1428 | -696 | 732 |
| CH | FINDELEN | 389 | 2015 | 3300 | 3400 | 1.945 | 1360 | -1015 | 345 |
| CH | FINDELEN | 389 | 2015 | 3200 | 3300 | 1.834 | 1229 | -1459 | -230 |
| CH | FINDELEN | 389 | 2015 | 3100 | 3200 | 1.736 | 1227 | -2447 | -1220 |
| CH | FINDELEN | 389 | 2015 | 3000 | 3100 | 0.977 | 982 | -3540 | -2558 |
| CH | FINDELEN | 389 | 2015 | 2900 | 3000 | 0.578 | 892 | -4468 | -3576 |
| CH | FINDELEN | 389 | 2015 | 2800 | 2900 | 0.338 | 825 | -5235 | -4410 |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| CH | FINDELEN | 389 | 2015 | 2700 | 2800 | 0.218 | 619 | -6607 | -5988 |
| CH | FINDELEN | 389 | 2015 | 2600 | 2700 | 0.259 | 623 | -7821 | -7198 |
| CH | FINDELEN | 389 | 2015 | 2500 | 2600 | 0.028 | 462 | -8691 | -8229 |
| CH | GIETRO | 367 | 2014 | 3800 | 3820 | 0.012 | 1194 | | 1443 |
| CH | GIETRO | 367 | 2014 | 3700 | 3800 | 0.113 | 1182 | | 1374 |
| CH | GIETRO | 367 | 2014 | 3600 | 3700 | 0.104 | 1205 | | 1292 |
| CH | GIETRO | 367 | 2014 | 3500 | 3600 | 0.104 | 1352 | | 1293 |
| CH | GIETRO | 367 | 2014 | 3400 | 3500 | 0.173 | 1445 | | 1164 |
| CH | GIETRO | 367 | 2014 | 3300 | 3400 | 1.011 | 1433 | | 661 |
| CH | GIETRO | 367 | 2014 | 3200 | 3300 | 1.598 | 1438 | | 188 |
| CH | GIETRO | 367 | 2014 | 3100 | 3200 | 0.988 | 1400 | | -359 |
| CH | GIETRO | 367 | 2014 | 3000 | 3100 | 0.919 | 1341 | | -1261 |
| CH | GIETRO | 367 | 2014 | 2900 | 3000 | 0.243 | 1198 | | -2169 |
| CH | GIETRO | 367 | 2014 | 2800 | 2900 | 0.082 | 995 | | -3236 |
| CH | GIETRO | 367 | 2014 | 2700 | 2800 | 0.058 | 758 | | -4346 |
| CH | GIETRO | 367 | 2014 | 2619 | 2700 | 0.025 | 652 | | -5185 |
| CH | GIETRO | 367 | 2015 | 3800 | 3900 | 0.009 | | | 266 |
| CH | GIETRO | 367 | 2015 | 3700 | 3800 | 0.116 | | | 278 |
| CH | GIETRO | 367 | 2015 | 3600 | 3700 | 0.121 | | | 265 |
| CH | GIETRO | 367 | 2015 | 3500 | 3600 | 0.117 | | | 234 |
| CH | GIETRO | 367 | 2015 | 3400 | 3500 | 0.173 | | | 95 |
| CH | GIETRO | 367 | 2015 | 3300 | 3400 | 0.916 | | | -284 |
| CH | GIETRO | 367 | 2015 | 3200 | 3300 | 1.641 | | | -601 |
| CH | GIETRO | 367 | 2015 | 3100 | 3200 | 0.993 | | | -1526 |
| CH | GIETRO | 367 | 2015 | 3000 | 3100 | 0.881 | | | -2805 |
| CH | GIETRO | 367 | 2015 | 2900 | 3000 | 0.234 | | | -4081 |
| CH | GIETRO | 367 | 2015 | 2800 | 2900 | 0.076 | | | -5367 |
| CH | GIETRO | 367 | 2015 | 2700 | 2800 | 0.046 | | | -6136 |
| CH | GRIES | 359 | 2014 | 3300 | 3307 | 0.001 | 2215 | | 1621 |
| CH | GRIES | 359 | 2014 | 3200 | 3300 | 0.076 | 2082 | | 1161 |
| CH | GRIES | 359 | 2014 | 3100 | 3200 | 0.243 | 1953 | | 698 |
| CH | GRIES | 359 | 2014 | 3000 | 3100 | 1.484 | 1827 | | 234 |
| CH | GRIES | 359 | 2014 | 2900 | 3000 | 0.957 | 1705 | | -233 |
| CH | GRIES | 359 | 2014 | 2800 | 2900 | 0.612 | 1587 | | -701 |
| CH | GRIES | 359 | 2014 | 2700 | 2800 | 0.351 | 1473 | | -1171 |
| CH | GRIES | 359 | 2014 | 2600 | 2700 | 0.316 | 1362 | | -1644 |
| CH | GRIES | 359 | 2014 | 2500 | 2600 | 0.767 | 1255 | | -2118 |
| CH | GRIES | 359 | 2014 | 2415 | 2500 | 0.167 | 1152 | | -2594 |
| CH | GRIES | 359 | 2015 | 3200 | 3300 | 0.071 | 1000 | | -1255 |
| CH | GRIES | 359 | 2015 | 3100 | 3200 | 0.206 | 1619 | | -645 |
| CH | GRIES | 359 | 2015 | 3000 | 3100 | 1.418 | 1864 | | -760 |
| CH | GRIES | 359 | 2015 | 2900 | 3000 | 0.977 | 1884 | | -1206 |
| CH | GRIES | 359 | 2015 | 2800 | 2900 | 0.566 | 1861 | | -1864 |
| CH | GRIES | 359 | 2015 | 2700 | 2800 | 0.296 | 1799 | | -2302 |
| CH | GRIES | 359 | 2015 | 2600 | 2700 | 0.178 | 1660 | | -2978 |
| CH | GRIES | 359 | 2015 | 2500 | 2600 | 0.613 | 1452 | | -3865 |
| CH | GRIES | 359 | 2015 | 2400 | 2500 | 0.106 | 1479 | | -4512 |
| CH | HOHLAUB | 3332 | 2014 | 4000 | 4022 | 0.004 | 582 | | 299 |
| CH | HOHLAUB | 3332 | 2014 | 3900 | 4000 | 0.028 | 702 | | 532 |
| CH | HOHLAUB | 3332 | 2014 | 3800 | 3900 | 0.074 | 904 | | 597 |
| CH | HOHLAUB | 3332 | 2014 | 3700 | 3800 | 0.069 | 940 | | 631 |
| CH | HOHLAUB | 3332 | 2014 | 3600 | 3700 | 0.063 | 1050 | | 746 |
| CH | HOHLAUB | 3332 | 2014 | 3500 | 3600 | 0.118 | 1343 | | 884 |
| CH | HOHLAUB | 3332 | 2014 | 3400 | 3500 | 0.172 | 1489 | | 806 |
| CH | HOHLAUB | 3332 | 2014 | 3300 | 3400 | 0.279 | 1537 | | 532 |
| CH | HOHLAUB | 3332 | 2014 | 3200 | 3300 | 0.294 | 1488 | | 208 |
| CH | HOHLAUB | 3332 | 2014 | 3100 | 3200 | 0.373 | 1456 | | -135 |
| CH | HOHLAUB | 3332 | 2014 | 3000 | 3100 | 0.405 | 1389 | | -757 |
| CH | HOHLAUB | 3332 | 2014 | 2900 | 3000 | 0.241 | 1316 | | -1378 |
| CH | HOHLAUB | 3332 | 2014 | 2850 | 2900 | 0.018 | 1180 | | -1635 |
| CH | HOHLAUB | 3332 | 2015 | 4000 | 4100 | 0.004 | | | -283 |
| CH | HOHLAUB | 3332 | 2015 | 3900 | 4000 | 0.028 | | | 53 |
| CH | HOHLAUB | 3332 | 2015 | 3800 | 3900 | 0.074 | | | -11 |
| CH | HOHLAUB | 3332 | 2015 | 3700 | 3800 | 0.069 | | | 60 |
| CH | HOHLAUB | 3332 | 2015 | 3600 | 3700 | 0.063 | | | 199 |
| CH | HOHLAUB | 3332 | 2015 | 3500 | 3600 | 0.118 | | | 229 |
| CH | HOHLAUB | 3332 | 2015 | 3400 | 3500 | 0.172 | | | 78 |
| CH | HOHLAUB | 3332 | 2015 | 3300 | 3400 | 0.279 | | | -302 |
| CH | HOHLAUB | 3332 | 2015 | 3200 | 3300 | 0.294 | | | -759 |
| CH | HOHLAUB | 3332 | 2015 | 3100 | 3200 | 0.373 | | | -1209 |
| CH | HOHLAUB | 3332 | 2015 | 3000 | 3100 | 0.405 | | | -1955 |
| CH | HOHLAUB | 3332 | 2015 | 2900 | 3000 | 0.241 | | | -2568 |
| CH | HOHLAUB | 3332 | 2015 | 2800 | 2900 | 0.018 | | | -2725 |
| CH | MURTEL | 4339 | 2014 | 3250 | 3300 | 0.011 | 2311 | -293 | 2017 |
| CH | MURTEL | 4339 | 2014 | 3200 | 3250 | 0.106 | 1761 | -772 | 989 |
| CH | MURTEL | 4339 | 2014 | 3150 | 3200 | 0.114 | 1218 | -1092 | 126 |
| CH | MURTEL | 4339 | 2014 | 3100 | 3150 | 0.051 | 1197 | -1251 | -53 |
| CH | MURTEL | 4339 | 2014 | 3050 | 3100 | 0.019 | 1140 | -1641 | -501 |
| CH | MURTEL | 4339 | 2014 | 3000 | 3050 | 0.001 | 1305 | -1629 | -323 |
| CH | MURTEL | 4339 | 2015 | 3250 | 3300 | 0.011 | 1702 | -1043 | 659 |
| CH | MURTEL | 4339 | 2015 | 3200 | 3250 | 0.106 | 1393 | -1470 | -77 |
| CH | MURTEL | 4339 | 2015 | 3150 | 3200 | 0.114 | 912 | -2086 | -1174 |
| CH | MURTEL | 4339 | 2015 | 3100 | 3150 | 0.054 | 786 | -2627 | -1841 |
| CH | MURTEL | 4339 | 2015 | 3050 | 3100 | 0.017 | 731 | -2946 | -2215 |
| CH | PIZOL | 417 | 2014 | 2750 | 2800 | 0.005 | 1386 | -2113 | -727 |
| CH | PIZOL | 417 | 2014 | 2700 | 2750 | 0.018 | 1233 | -2103 | -870 |
| CH | PIZOL | 417 | 2014 | 2650 | 2700 | 0.032 | 1091 | -2496 | -1405 |
| CH | PIZOL | 417 | 2014 | 2600 | 2650 | 0.011 | 1069 | -2571 | -1502 |
| CH | PIZOL | 417 | 2015 | 2750 | 2800 | 0.005 | 1990 | -2733 | -743 |
| CH | PIZOL | 417 | 2015 | 2700 | 2750 | 0.018 | 2002 | -2838 | -836 |
| CH | PIZOL | 417 | 2015 | 2650 | 2700 | 0.032 | 1812 | -3653 | -1841 |
| CH | PIZOL | 417 | 2015 | 2600 | 2650 | 0.011 | 1679 | -3645 | -1966 |
| CH | PLAINE MORTE | 4246 | 2014 | 2900 | 3000 | 0.029 | 969 | -782 | 187 |
| CH | PLAINE MORTE | 4246 | 2014 | 2800 | 2900 | 0.223 | 1104 | -1234 | -130 |
| CH | PLAINE MORTE | 4246 | 2014 | 2700 | 2800 | 5.634 | 1021 | -1900 | -879 |
| CH | PLAINE MORTE | 4246 | 2014 | 2600 | 2700 | 1.831 | 989 | -2265 | -1276 |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| CH | PLAINE MORTE | 4246 | 2014 | 2500 | 2600 | 0.152 | 951 | -2409 | -1458 |
| CH | PLAINE MORTE | 4246 | 2014 | 2400 | 2500 | 0.009 | 1022 | -2327 | -1305 |
| CH | PLAINE MORTE | 4246 | 2015 | 2900 | 3000 | 0.026 | 1253 | -1498 | -245 |
| CH | PLAINE MORTE | 4246 | 2015 | 2800 | 2900 | 0.121 | 1241 | -2284 | -1043 |
| CH | PLAINE MORTE | 4246 | 2015 | 2700 | 2800 | 5.106 | 1229 | -3561 | -2332 |
| CH | PLAINE MORTE | 4246 | 2015 | 2600 | 2700 | 2.139 | 1248 | -3861 | -2613 |
| CH | PLAINE MORTE | 4246 | 2015 | 2500 | 2600 | 0.153 | 1232 | -4072 | -2840 |
| CH | PLAINE MORTE | 4246 | 2015 | 2400 | 2500 | 0.006 | 1229 | -3938 | -2709 |
| CH | RHONE | 473 | 2014 | 3500 | 3596 | 0.334 | 1178 | | 1434 |
| CH | RHONE | 473 | 2014 | 3400 | 3500 | 0.795 | 1364 | | 1613 |
| CH | RHONE | 473 | 2014 | 3300 | 3400 | 0.951 | 1457 | | 1557 |
| CH | RHONE | 473 | 2014 | 3200 | 3300 | 1.456 | 1464 | | 1333 |
| CH | RHONE | 473 | 2014 | 3100 | 3200 | 1.534 | 1353 | | 894 |
| CH | RHONE | 473 | 2014 | 3000 | 3100 | 1.878 | 1369 | | 671 |
| CH | RHONE | 473 | 2014 | 2900 | 3000 | 2.171 | 1388 | | 342 |
| CH | RHONE | 473 | 2014 | 2800 | 2900 | 2.154 | 1276 | | -423 |
| CH | RHONE | 473 | 2014 | 2700 | 2800 | 1.069 | 1065 | | -1571 |
| CH | RHONE | 473 | 2014 | 2600 | 2700 | 0.936 | 799 | | -2733 |
| CH | RHONE | 473 | 2014 | 2500 | 2600 | 1.139 | 739 | | -3376 |
| CH | RHONE | 473 | 2014 | 2400 | 2500 | 0.639 | 633 | | -3851 |
| CH | RHONE | 473 | 2014 | 2300 | 2400 | 0.484 | 481 | | -3982 |
| CH | RHONE | 473 | 2014 | 2209 | 2300 | 0.268 | 474 | | -4629 |
| CH | RHONE | 473 | 2015 | 3500 | 3600 | 0.334 | 1770 | | 1059 |
| CH | RHONE | 473 | 2015 | 3400 | 3500 | 0.795 | 2124 | | 1355 |
| CH | RHONE | 473 | 2015 | 3300 | 3400 | 0.951 | 2254 | | 1271 |
| CH | RHONE | 473 | 2015 | 3200 | 3300 | 1.456 | 2198 | | 925 |
| CH | RHONE | 473 | 2015 | 3100 | 3200 | 1.534 | 2064 | | 480 |
| CH | RHONE | 473 | 2015 | 3000 | 3100 | 1.884 | 2055 | | 207 |
| CH | RHONE | 473 | 2015 | 2900 | 3000 | 2.171 | 2014 | | -250 |
| CH | RHONE | 473 | 2015 | 2800 | 2900 | 2.21 | 1803 | | -1208 |
| CH | RHONE | 473 | 2015 | 2700 | 2800 | 1.068 | 1243 | | -2840 |
| CH | RHONE | 473 | 2015 | 2600 | 2700 | 0.957 | 766 | | -4176 |
| CH | RHONE | 473 | 2015 | 2500 | 2600 | 1.019 | 874 | | -4860 |
| CH | RHONE | 473 | 2015 | 2400 | 2500 | 0.549 | 740 | | -5720 |
| CH | RHONE | 473 | 2015 | 2300 | 2400 | 0.508 | 696 | | -5662 |
| CH | RHONE | 473 | 2015 | 2200 | 2300 | 0.134 | 777 | | -5739 |
| CH | SANKT ANNA | 432 | 2014 | 2900 | 2950 | 0.001 | 1233 | -2251 | -1017 |
| CH | SANKT ANNA | 432 | 2014 | 2850 | 2900 | 0.016 | 1902 | -2310 | -408 |
| CH | SANKT ANNA | 432 | 2014 | 2800 | 2850 | 0.042 | 2196 | -2147 | 49 |
| CH | SANKT ANNA | 432 | 2014 | 2750 | 2800 | 0.04 | 2231 | -2103 | 127 |
| CH | SANKT ANNA | 432 | 2014 | 2700 | 2750 | 0.046 | 1757 | -2377 | -619 |
| CH | SANKT ANNA | 432 | 2014 | 2650 | 2700 | 0.037 | 1469 | -2601 | -1131 |
| CH | SANKT ANNA | 432 | 2014 | 2600 | 2650 | 0.012 | 1448 | -2521 | -1073 |
| CH | SANKT ANNA | 432 | 2015 | 2900 | 2950 | 0.001 | 1145 | -2615 | -1470 |
| CH | SANKT ANNA | 432 | 2015 | 2850 | 2900 | 0.016 | 1667 | -3115 | -1448 |
| CH | SANKT ANNA | 432 | 2015 | 2800 | 2850 | 0.042 | 1913 | -3068 | -1155 |
| CH | SANKT ANNA | 432 | 2015 | 2750 | 2800 | 0.04 | 1907 | -3077 | -1170 |
| CH | SANKT ANNA | 432 | 2015 | 2700 | 2750 | 0.046 | 1955 | -3000 | -1045 |
| CH | SANKT ANNA | 432 | 2015 | 2650 | 2700 | 0.037 | 1501 | -3903 | -2402 |
| CH | SANKT ANNA | 432 | 2015 | 2600 | 2650 | 0.012 | 1594 | -4088 | -2494 |
| CH | SCHWARZBACH | 4340 | 2014 | 2800 | 2850 | 0.013 | 2163 | -2587 | -423 |
| CH | SCHWARZBACH | 4340 | 2014 | 2750 | 2800 | 0.032 | 2103 | -2542 | -438 |
| CH | SCHWARZBACH | 4340 | 2014 | 2700 | 2750 | 0.011 | 1844 | -2815 | -970 |
| CH | SCHWARZBACH | 4340 | 2015 | 2800 | 2850 | 0.013 | 2309 | -3009 | -700 |
| CH | SCHWARZBACH | 4340 | 2015 | 2750 | 2800 | 0.031 | 2194 | -3569 | -1375 |
| CH | SCHWARZBACH | 4340 | 2015 | 2700 | 2750 | 0.007 | 2053 | -3793 | -1740 |
| CH | SCHWARZBERG | 395 | 2014 | 3500 | 3566 | 0.058 | 1733 | | 1789 |
| CH | SCHWARZBERG | 395 | 2014 | 3400 | 3500 | 0.229 | 1978 | | 1985 |
| CH | SCHWARZBERG | 395 | 2014 | 3300 | 3400 | 0.368 | 2013 | | 1763 |
| CH | SCHWARZBERG | 395 | 2014 | 3200 | 3300 | 0.648 | 1994 | | 1361 |
| CH | SCHWARZBERG | 395 | 2014 | 3100 | 3200 | 0.793 | 1931 | | 815 |
| CH | SCHWARZBERG | 395 | 2014 | 3000 | 3100 | 0.854 | 1850 | | 171 |
| CH | SCHWARZBERG | 395 | 2014 | 2900 | 3000 | 1.188 | 1724 | | -685 |
| CH | SCHWARZBERG | 395 | 2014 | 2800 | 2900 | 0.681 | 1532 | | -1753 |
| CH | SCHWARZBERG | 395 | 2014 | 2700 | 2800 | 0.323 | 1327 | | -2601 |
| CH | SCHWARZBERG | 395 | 2014 | 2669 | 2700 | 0.027 | 1212 | | -3259 |
| CH | SCHWARZBERG | 395 | 2015 | 3500 | 3600 | 0.949 | | | 497 |
| CH | SCHWARZBERG | 395 | 2015 | 3400 | 3500 | 1.063 | | | 498 |
| CH | SCHWARZBERG | 395 | 2015 | 3300 | 3400 | 1.005 | | | 332 |
| CH | SCHWARZBERG | 395 | 2015 | 3200 | 3300 | 1.592 | | | 81 |
| CH | SCHWARZBERG | 395 | 2015 | 3100 | 3200 | 0.739 | | | -388 |
| CH | SCHWARZBERG | 395 | 2015 | 3000 | 3100 | 0.717 | | | -1180 |
| CH | SCHWARZBERG | 395 | 2015 | 2900 | 3000 | 0.486 | | | -2101 |
| CH | SCHWARZBERG | 395 | 2015 | 2800 | 2900 | 0.583 | | | -3011 |
| CH | SCHWARZBERG | 395 | 2015 | 2700 | 2800 | 0.157 | | | -4133 |
| CH | SCHWARZBERG | 395 | 2015 | 2600 | 2700 | 0.002 | | | -4586 |
| CH | SEX ROUGE | 454 | 2014 | 2850 | 2900 | 0.011 | 1633 | -1198 | 434 |
| CH | SEX ROUGE | 454 | 2014 | 2800 | 2850 | 0.166 | 1184 | -1786 | -601 |
| CH | SEX ROUGE | 454 | 2014 | 2750 | 2800 | 0.086 | 1096 | -1877 | -780 |
| CH | SEX ROUGE | 454 | 2014 | 2700 | 2750 | 0.007 | 1245 | -1738 | -493 |
| CH | SEX ROUGE | 454 | 2015 | 2850 | 2900 | 0.011 | 1730 | -2639 | -909 |
| CH | SEX ROUGE | 454 | 2015 | 2800 | 2850 | 0.166 | 1605 | -3647 | -2042 |
| CH | SEX ROUGE | 454 | 2015 | 2750 | 2800 | 0.086 | 1144 | -3792 | -2648 |
| CH | SEX ROUGE | 454 | 2015 | 2700 | 2750 | 0.007 | 960 | -3945 | -2985 |
| CH | SILVRETTA | 408 | 2014 | 3000 | 3096 | 0.125 | 1178 | | 263 |
| CH | SILVRETTA | 408 | 2014 | 2900 | 3000 | 0.575 | 1109 | | -77 |
| CH | SILVRETTA | 408 | 2014 | 2800 | 2900 | 0.57 | 1065 | | -763 |
| CH | SILVRETTA | 408 | 2014 | 2700 | 2800 | 0.66 | 1056 | | -1123 |
| CH | SILVRETTA | 408 | 2014 | 2600 | 2700 | 0.392 | 1039 | | -1559 |
| CH | SILVRETTA | 408 | 2014 | 2500 | 2600 | 0.365 | 936 | | -2054 |
| CH | SILVRETTA | 408 | 2014 | 2468 | 2500 | 0.022 | 1053 | | -2338 |
| CH | SILVRETTA | 408 | 2015 | 3000 | 3100 | 0.117 | 1184 | | -1049 |
| CH | SILVRETTA | 408 | 2015 | 2900 | 3000 | 0.583 | 1430 | | -671 |
| CH | SILVRETTA | 408 | 2015 | 2800 | 2900 | 0.576 | 1404 | | -978 |
| CH | SILVRETTA | 408 | 2015 | 2700 | 2800 | 0.663 | 1432 | | -1820 |
| CH | SILVRETTA | 408 | 2015 | 2600 | 2700 | 0.392 | 1365 | | -2552 |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| CH | SILVRETTA | 408 | 2015 | 2500 | 2600 | 0.338 | 1378 | | -3220 |
| CH | SILVRETTA | 408 | 2015 | 2400 | 2500 | 0.016 | 1310 | | -3423 |
| CH | TSANFLEURON | 371 | 2014 | 2900 | 3000 | 0.058 | 1423 | -1280 | 143 |
| CH | TSANFLEURON | 371 | 2014 | 2800 | 2900 | 0.863 | 1559 | -1596 | -37 |
| CH | TSANFLEURON | 371 | 2014 | 2700 | 2800 | 1.143 | 1331 | -2064 | -733 |
| CH | TSANFLEURON | 371 | 2014 | 2600 | 2700 | 0.51 | 1176 | -2765 | -1589 |
| CH | TSANFLEURON | 371 | 2014 | 2500 | 2600 | 0.073 | 1041 | -3586 | -2545 |
| CH | TSANFLEURON | 371 | 2015 | 2900 | 3000 | 0.06 | 1439 | -3072 | -1633 |
| CH | TSANFLEURON | 371 | 2015 | 2800 | 2900 | 0.918 | 1520 | -3881 | -2361 |
| CH | TSANFLEURON | 371 | 2015 | 2700 | 2800 | 1.126 | 1647 | -4314 | -2667 |
| CH | TSANFLEURON | 371 | 2015 | 2600 | 2700 | 0.457 | 1490 | -5155 | -3665 |
| CH | TSANFLEURON | 371 | 2015 | 2500 | 2600 | 0.058 | 1405 | -5581 | -4176 |
| **CL - Chile** | | | | | | | | | |
| CL | AMARILLO | 3905 | 2015 | 5258 | 5315 | 0.021 | -255 | -560 | -815 |
| CL | AMARILLO | 3905 | 2015 | 5243 | 5258 | 0.015 | -417 | -457 | -874 |
| CL | AMARILLO | 3905 | 2015 | 5220 | 5243 | 0.029 | 148 | -1255 | -1107 |
| CL | AMARILLO | 3905 | 2015 | 5206 | 5220 | 0.017 | -357 | -1053 | -1410 |
| CL | AMARILLO | 3905 | 2015 | 5194 | 5206 | 0.020 | -289 | -970 | -1259 |
| CL | AMARILLO | 3905 | 2015 | 5180 | 5194 | 0.019 | -170 | -923 | -1216 |
| CL | AMARILLO | 3905 | 2015 | 5160 | 5180 | 0.052 | -34 | -2005 | -2039 |
| **CN - China** | | | | | | | | | |
| CN | PARLUNG NO. 94 | 3987 | 2014 | 5580 | 5635 | 0.009 | | | 400 |
| CN | PARLUNG NO. 94 | 3987 | 2014 | 5540 | 5580 | 0.027 | | | 400 |
| CN | PARLUNG NO. 94 | 3987 | 2014 | 5500 | 5540 | 0.094 | | | 400 |
| CN | PARLUNG NO. 94 | 3987 | 2014 | 5460 | 5500 | 0.196 | | | 399 |
| CN | PARLUNG NO. 94 | 3987 | 2014 | 5420 | 5460 | 0.222 | | | 59 |
| CN | PARLUNG NO. 94 | 3987 | 2014 | 5380 | 5420 | 0.341 | | | -437 |
| CN | PARLUNG NO. 94 | 3987 | 2014 | 5340 | 5380 | 0.324 | | | -828 |
| CN | PARLUNG NO. 94 | 3987 | 2014 | 5300 | 5340 | 0.408 | | | -1381 |
| CN | PARLUNG NO. 94 | 3987 | 2014 | 5260 | 5300 | 0.252 | | | -1812 |
| CN | PARLUNG NO. 94 | 3987 | 2014 | 5220 | 5260 | 0.210 | | | -2258 |
| CN | PARLUNG NO. 94 | 3987 | 2014 | 5180 | 5220 | 0.107 | | | -2622 |
| CN | PARLUNG NO. 94 | 3987 | 2014 | 5140 | 5180 | 0.118 | | | -3258 |
| CN | PARLUNG NO. 94 | 3987 | 2014 | 5100 | 5140 | 0.039 | | | -3962 |
| CN | PARLUNG NO. 94 | 3987 | 2014 | 5075 | 5100 | 0.010 | | | -4200 |
| CN | PARLUNG NO. 94 | 3987 | 2015 | 5580 | 5635 | 0.009 | | | 600 |
| CN | PARLUNG NO. 94 | 3987 | 2015 | 5540 | 5580 | 0.027 | | | 600 |
| CN | PARLUNG NO. 94 | 3987 | 2015 | 5500 | 5540 | 0.094 | | | 600 |
| CN | PARLUNG NO. 94 | 3987 | 2015 | 5460 | 5500 | 0.196 | | | 600 |
| CN | PARLUNG NO. 94 | 3987 | 2015 | 5420 | 5460 | 0.222 | | | 362 |
| CN | PARLUNG NO. 94 | 3987 | 2015 | 5380 | 5420 | 0.341 | | | -33 |
| CN | PARLUNG NO. 94 | 3987 | 2015 | 5340 | 5380 | 0.324 | | | -373 |
| CN | PARLUNG NO. 94 | 3987 | 2015 | 5300 | 5340 | 0.408 | | | -817 |
| CN | PARLUNG NO. 94 | 3987 | 2015 | 5260 | 5300 | 0.252 | | | -1334 |
| CN | PARLUNG NO. 94 | 3987 | 2015 | 5220 | 5260 | 0.210 | | | -1722 |
| CN | PARLUNG NO. 94 | 3987 | 2015 | 5180 | 5220 | 0.107 | | | -1848 |
| CN | PARLUNG NO. 94 | 3987 | 2015 | 5140 | 5180 | 0.118 | | | -2491 |
| CN | PARLUNG NO. 94 | 3987 | 2015 | 5100 | 5140 | 0.039 | | | -3228 |
| CN | PARLUNG NO. 94 | 3987 | 2015 | 5075 | 5100 | 0.010 | | | -3400 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2014 | 4400 | 4445 | 0.023 | 342 | 360 | 702 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2014 | 4350 | 4400 | 0.031 | 330 | 365 | 695 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2014 | 4300 | 4350 | 0.043 | 305 | 357 | 662 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2014 | 4250 | 4300 | 0.036 | 297 | 368 | 665 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2014 | 4200 | 4250 | 0.044 | 279 | 254 | 533 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2014 | 4150 | 4200 | 0.123 | 259 | 68 | 327 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2014 | 4100 | 4150 | 0.189 | 245 | -23 | 222 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2014 | 4050 | 4100 | 0.249 | 188 | -147 | 41 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2014 | 4000 | 4050 | 0.237 | 120 | -284 | -164 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2014 | 3950 | 4000 | 0.186 | 72 | -394 | -322 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2014 | 3900 | 3950 | 0.187 | -10 | -612 | -622 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2014 | 3850 | 3900 | 0.166 | -33 | -846 | -879 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2014 | 3800 | 3850 | 0.077 | -71 | -1249 | -1320 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2014 | 3752 | 3800 | 0.027 | -139 | -1436 | -1575 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2015 | 4450 | 4482 | 0.012 | 282 | 246 | 528 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2015 | 4400 | 4450 | 0.023 | 276 | 229 | 505 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2015 | 4350 | 4400 | 0.034 | 268 | 169 | 437 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2015 | 4300 | 4350 | 0.038 | 261 | 108 | 369 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2015 | 4250 | 4300 | 0.034 | 253 | 69 | 322 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2015 | 4200 | 4250 | 0.083 | 244 | -80 | 164 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2015 | 4150 | 4200 | 0.179 | 224 | -360 | -136 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2015 | 4100 | 4150 | 0.21 | 167 | -621 | -454 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2015 | 4050 | 4100 | 0.255 | 189 | -933 | -744 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2015 | 4000 | 4050 | 0.206 | 202 | -1199 | -997 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2015 | 3950 | 4000 | 0.17 | 169 | -1405 | -1236 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2015 | 3900 | 3950 | 0.197 | 94 | -1595 | -1501 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2015 | 3850 | 3900 | 0.096 | 61 | -2064 | -2003 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2015 | 3800 | 3850 | 0.051 | 15 | -2693 | -2678 |
| CN | URUMQI GLACIER NO. 1 | 853 | 2015 | 3787 | 3800 | 0.006 | -51 | -3299 | -3350 |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 2014 | 4200 | 4225 | 0.011 | 299 | 9 | 308 |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 2014 | 4150 | 4200 | 0.079 | 268 | 7 | 275 |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 2014 | 4100 | 4150 | 0.117 | 273 | 5 | 278 |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 2014 | 4050 | 4100 | 0.137 | 231 | 10 | 241 |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 2014 | 4000 | 4050 | 0.139 | 173 | -48 | 125 |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 2014 | 3950 | 4000 | 0.136 | 121 | -197 | -76 |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 2014 | 3900 | 3950 | 0.154 | 30 | -458 | -428 |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 2014 | 3850 | 3900 | 0.154 | -11 | -788 | -799 |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 2014 | 3800 | 3850 | 0.077 | -71 | -1249 | -1320 |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 2014 | 3752 | 3800 | 0.027 | -139 | -1436 | -1575 |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 2015 | 4250 | 4252 | 0.001 | 249 | 57 | 306 |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 2015 | 4200 | 4250 | 0.043 | 244 | -53 | 191 |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 2015 | 4150 | 4200 | 0.12 | 223 | -286 | -63 |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 2015 | 4100 | 4150 | 0.117 | 184 | -407 | -223 |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 2015 | 4050 | 4100 | 0.15 | 180 | -798 | -618 |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 2015 | 4000 | 4050 | 0.136 | 187 | -1055 | -868 |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 2015 | 3950 | 4000 | 0.131 | 201 | -1257 | -1056 |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 2015 | 3900 | 3950 | 0.175 | 115 | -1500 | -1385 |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 2015 | 3850 | 3900 | 0.091 | 73 | -2024 | -1951 |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 2015 | 3800 | 3850 | 0.051 | 15 | -2693 | -2678 |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 2015 | 3787 | 3800 | 0.006 | -51 | -3299 | -3350 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2014 | 4400 | 4445 | 0.023 | 342 | 360 | 702 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2014 | 4350 | 4400 | 0.031 | 330 | 365 | 695 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2014 | 4300 | 4350 | 0.043 | 305 | 357 | 662 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2014 | 4250 | 4300 | 0.036 | 297 | 368 | 665 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2014 | 4200 | 4250 | 0.034 | 273 | 331 | 604 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2014 | 4150 | 4200 | 0.044 | 242 | 178 | 420 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2014 | 4100 | 4150 | 0.072 | 200 | -69 | 131 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2014 | 4050 | 4100 | 0.112 | 136 | -340 | -204 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2014 | 4000 | 4050 | 0.099 | 45 | -616 | -571 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2014 | 3950 | 4000 | 0.05 | -62 | -924 | -986 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2014 | 3900 | 3950 | 0.033 | -194 | -1329 | -1523 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2014 | 3848 | 3900 | 0.013 | -297 | -1569 | -1866 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2015 | 4450 | 4482 | 0.012 | 282 | 246 | 528 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2015 | 4400 | 4450 | 0.023 | 276 | 229 | 505 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2015 | 4350 | 4400 | 0.034 | 268 | 169 | 437 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2015 | 4300 | 4350 | 0.038 | 261 | 108 | 369 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2015 | 4250 | 4300 | 0.034 | 253 | 69 | 322 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2015 | 4200 | 4250 | 0.039 | 244 | -109 | 135 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2015 | 4150 | 4200 | 0.059 | 226 | -509 | -283 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2015 | 4100 | 4150 | 0.093 | 146 | -891 | -745 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2015 | 4050 | 4100 | 0.105 | 203 | -1127 | -924 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2015 | 4000 | 4050 | 0.07 | 232 | -1480 | -1248 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2015 | 3950 | 4000 | 0.039 | 62 | -1900 | -1838 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2015 | 3900 | 3950 | 0.022 | -75 | -2361 | -2436 |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 2015 | 3883 | 3900 | 0.005 | -147 | -2775 | -2922 |
| **CO - Colombia** | | | | | | | | | |
| CO | CONEJERAS | 2721 | 2014 | 4825 | 4895 | 0.020 | | | -2054 |
| CO | CONEJERAS | 2721 | 2014 | 4765 | 4825 | 0.116 | | | -4167 |
| CO | CONEJERAS | 2721 | 2014 | 4735 | 4765 | 0.042 | | | -4072 |
| CO | CONEJERAS | 2721 | 2014 | 4700 | 4735 | 0.023 | | | -5468 |
| CO | CONEJERAS | 2721 | 2015 | 4825 | 4895 | 0.02 | | | -3373 |
| CO | CONEJERAS | 2721 | 2015 | 4765 | 4825 | 0.116 | | | -5719 |
| CO | CONEJERAS | 2721 | 2015 | 4735 | 4765 | 0.042 | | | -5561 |
| CO | CONEJERAS | 2721 | 2015 | 4700 | 4735 | 0.022 | | | -7015 |
| CO | RITACUBA BLANCO | 2763 | 2014 | 5120 | 5170 | 0.037 | | | 657 |
| CO | RITACUBA BLANCO | 2763 | 2014 | 5080 | 5120 | 0.048 | | | 647 |
| CO | RITACUBA BLANCO | 2763 | 2014 | 5020 | 5080 | 0.086 | | | 462 |
| CO | RITACUBA BLANCO | 2763 | 2014 | 4960 | 5020 | 0.085 | | | -285 |
| CO | RITACUBA BLANCO | 2763 | 2014 | 4920 | 4960 | 0.048 | | | -367 |
| CO | RITACUBA BLANCO | 2763 | 2014 | 4820 | 4920 | 0.058 | | | -1655 |
| CO | RITACUBA BLANCO | 2763 | 2015 | 5120 | 5170 | 0.037 | | | -578 |
| CO | RITACUBA BLANCO | 2763 | 2015 | 5080 | 5120 | 0.048 | | | -548 |
| CO | RITACUBA BLANCO | 2763 | 2015 | 5020 | 5080 | 0.086 | | | -436 |
| CO | RITACUBA BLANCO | 2763 | 2015 | 4960 | 5020 | 0.085 | | | -733 |
| CO | RITACUBA BLANCO | 2763 | 2015 | 4920 | 4960 | 0.048 | | | -1635 |
| CO | RITACUBA BLANCO | 2763 | 2015 | 4820 | 4920 | 0.058 | | | -1643 |
| **EC - Ecuador** | | | | | | | | | |
| EC | ANTIZANA15ALPHA | 1624 | 2014 | 5600 | 5760 | 0.038 | | | 800 |
| EC | ANTIZANA15ALPHA | 1624 | 2014 | 5500 | 5600 | 0.023 | | | 800 |
| EC | ANTIZANA15ALPHA | 1624 | 2014 | 5400 | 5500 | 0.029 | | | 800 |
| EC | ANTIZANA15ALPHA | 1624 | 2014 | 5300 | 5400 | 0.034 | | | 300 |
| EC | ANTIZANA15ALPHA | 1624 | 2014 | 5200 | 5300 | 0.034 | | | 150 |
| EC | ANTIZANA15ALPHA | 1624 | 2014 | 5100 | 5200 | 0.058 | | | 0 |
| EC | ANTIZANA15ALPHA | 1624 | 2014 | 5000 | 5100 | 0.02 | | | -1080 |
| EC | ANTIZANA15ALPHA | 1624 | 2014 | 4960 | 5000 | 0.021 | | | -2034 |
| EC | ANTIZANA15ALPHA | 1624 | 2014 | 4910 | 4960 | 0.022 | | | -2880 |
| EC | ANTIZANA15ALPHA | 1624 | 2014 | 4880 | 4910 | 0.012 | | | -3050 |
| EC | ANTIZANA15ALPHA | 1624 | 2014 | 4860 | 4880 | 0.004 | | | -3630 |
| **ES - Spain** | | | | | | | | | |
| ES | MALADETA | 942 | 2014 | 3188 | 3213 | 0.006 | 4360 | -2511 | 1849 |
| ES | MALADETA | 942 | 2014 | 3163 | 3188 | 0.021 | 3839 | -2422 | 1417 |
| ES | MALADETA | 942 | 2014 | 3138 | 3163 | 0.035 | 3318 | -2332 | 986 |
| ES | MALADETA | 942 | 2014 | 3113 | 3138 | 0.035 | 2796 | -2242 | 554 |
| ES | MALADETA | 942 | 2014 | 3088 | 3113 | 0.035 | 2275 | -2152 | 123 |
| ES | MALADETA | 942 | 2014 | 3063 | 3088 | 0.032 | 1754 | -2063 | -309 |
| ES | MALADETA | 942 | 2014 | 3038 | 3063 | 0.029 | 2163 | -2281 | -118 |
| ES | MALADETA | 942 | 2014 | 3013 | 3038 | 0.014 | 2106 | -2345 | -239 |
| ES | MALADETA | 942 | 2014 | 2988 | 3013 | 0.013 | 2050 | -2409 | -359 |
| ES | MALADETA | 942 | 2014 | 2963 | 2988 | 0.011 | 1801 | -2853 | -1051 |
| ES | MALADETA | 942 | 2014 | 2938 | 2963 | 0.007 | 1552 | -3296 | -1743 |
| ES | MALADETA | 942 | 2014 | 2913 | 2938 | 0.006 | 2143 | -4228 | -2085 |
| ES | MALADETA | 942 | 2014 | 2888 | 2913 | 0.004 | 2314 | -4915 | -2602 |
| ES | MALADETA | 942 | 2014 | 2863 | 2888 | 0.002 | 2485 | -5603 | -3119 |
| ES | MALADETA | 942 | 2014 | 2838 | 2863 | 0.002 | 2655 | -6291 | -3635 |
| ES | MALADETA | 942 | 2015 | 3188 | 3213 | 0.006 | 1945 | -3286 | -1341 |
| ES | MALADETA | 942 | 2015 | 3163 | 3188 | 0.020 | 1932 | -3358 | -1426 |
| ES | MALADETA | 942 | 2015 | 3138 | 3163 | 0.034 | 1920 | -3430 | -1510 |
| ES | MALADETA | 942 | 2015 | 3113 | 3138 | 0.035 | 1907 | -3502 | -1595 |
| ES | MALADETA | 942 | 2015 | 3088 | 3113 | 0.036 | 1895 | -3574 | -1679 |
| ES | MALADETA | 942 | 2015 | 3063 | 3088 | 0.031 | 1882 | -3646 | -1764 |
| ES | MALADETA | 942 | 2015 | 3038 | 3063 | 0.026 | 1870 | -3785 | -1915 |
| ES | MALADETA | 942 | 2015 | 3013 | 3038 | 0.014 | 1857 | -3890 | -2033 |
| ES | MALADETA | 942 | 2015 | 2988 | 3013 | 0.009 | 1845 | -3996 | -2151 |
| ES | MALADETA | 942 | 2015 | 2963 | 2988 | 0.009 | 1830 | -4268 | -2438 |
| ES | MALADETA | 942 | 2015 | 2938 | 2963 | 0.006 | 1815 | -4541 | -2726 |
| ES | MALADETA | 942 | 2015 | 2913 | 2938 | 0.004 | 1805 | -3959 | -2154 |
| ES | MALADETA | 942 | 2015 | 2888 | 2913 | 0.003 | 1792 | -3804 | -2011 |
| ES | MALADETA | 942 | 2015 | 2863 | 2888 | 0.003 | 1780 | -3649 | -1869 |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| ES | MALADETA | 942 | 2015 | 2838 | 2863 | 0.001 | 1767 | -3494 | -1727 |
| **GL - Greenland** | | | | | | | | | |
| GL | FREYA | 3350 | 2014 | 1300 | 1400 | 0.001 | 974 | -882 | 92 |
| GL | FREYA | 3350 | 2014 | 1200 | 1300 | 0.155 | 854 | -681 | 173 |
| GL | FREYA | 3350 | 2014 | 1100 | 1200 | 0.190 | 828 | -649 | 179 |
| GL | FREYA | 3350 | 2014 | 1000 | 1100 | 0.278 | 971 | -674 | 297 |
| GL | FREYA | 3350 | 2014 | 900 | 1000 | 0.633 | 1182 | -693 | 489 |
| GL | FREYA | 3350 | 2014 | 800 | 900 | 0.804 | 1171 | -639 | 532 |
| GL | FREYA | 3350 | 2014 | 700 | 800 | 1.064 | 1128 | -667 | 461 |
| GL | FREYA | 3350 | 2014 | 600 | 700 | 1.073 | 1135 | -706 | 429 |
| GL | FREYA | 3350 | 2014 | 500 | 600 | 0.586 | 1074 | -870 | 204 |
| GL | FREYA | 3350 | 2014 | 400 | 500 | 0.370 | 1035 | -908 | 127 |
| GL | FREYA | 3350 | 2014 | 300 | 400 | 0.136 | 1147 | -524 | 623 |
| GL | FREYA | 3350 | 2014 | 200 | 300 | 0.014 | 1264 | -818 | 446 |
| GL | FREYA | 3350 | 2015 | 1300 | 1400 | 0.001 | 326 | -134 | 192 |
| GL | FREYA | 3350 | 2015 | 1200 | 1300 | 0.155 | 414 | -202 | 212 |
| GL | FREYA | 3350 | 2015 | 1100 | 1200 | 0.190 | 540 | -283 | 257 |
| GL | FREYA | 3350 | 2015 | 1000 | 1100 | 0.278 | 777 | -504 | 273 |
| GL | FREYA | 3350 | 2015 | 900 | 1000 | 0.633 | 1039 | -641 | 398 |
| GL | FREYA | 3350 | 2015 | 800 | 900 | 0.804 | 1140 | -659 | 481 |
| GL | FREYA | 3350 | 2015 | 700 | 800 | 1.064 | 1087 | -702 | 385 |
| GL | FREYA | 3350 | 2015 | 600 | 700 | 1.073 | 957 | -1039 | -82 |
| GL | FREYA | 3350 | 2015 | 500 | 600 | 0.586 | 813 | -1285 | -472 |
| GL | FREYA | 3350 | 2015 | 400 | 500 | 0.370 | 735 | -1534 | -799 |
| GL | FREYA | 3350 | 2015 | 300 | 400 | 0.136 | 449 | -598 | -149 |
| GL | FREYA | 3350 | 2015 | 200 | 300 | 0.014 | 555 | -1208 | -653 |
| GL | MITTIVAKKAT | 1629 | 2015 | 800 | 865 | 0.67 | | | 1250 |
| GL | MITTIVAKKAT | 1629 | 2015 | 700 | 800 | 2.21 | | | 1100 |
| GL | MITTIVAKKAT | 1629 | 2015 | 600 | 700 | 3.91 | | | 500 |
| GL | MITTIVAKKAT | 1629 | 2015 | 500 | 600 | 2.95 | | | 350 |
| GL | MITTIVAKKAT | 1629 | 2015 | 400 | 500 | 3.02 | | | -50 |
| GL | MITTIVAKKAT | 1629 | 2015 | 300 | 400 | 1.94 | | | -650 |
| GL | MITTIVAKKAT | 1629 | 2015 | 200 | 300 | 1.03 | | | -1250 |
| GL | MITTIVAKKAT | 1629 | 2015 | 180 | 200 | 0.21 | | | -1750 |
| GL | QASIGIANNGUIT | 4566 | 2014 | 1000 | 1020 | 0.027 | 744 | | 29 |
| GL | QASIGIANNGUIT | 4566 | 2014 | 980 | 1000 | 0.021 | 744 | | 29 |
| GL | QASIGIANNGUIT | 4566 | 2014 | 960 | 980 | 0.027 | 744 | | 29 |
| GL | QASIGIANNGUIT | 4566 | 2014 | 940 | 960 | 0.060 | 744 | | 29 |
| GL | QASIGIANNGUIT | 4566 | 2014 | 920 | 940 | 0.065 | 744 | | 29 |
| GL | QASIGIANNGUIT | 4566 | 2014 | 900 | 920 | 0.065 | 654 | | -111 |
| GL | QASIGIANNGUIT | 4566 | 2014 | 880 | 900 | 0.089 | 838 | | -72 |
| GL | QASIGIANNGUIT | 4566 | 2014 | 860 | 880 | 0.046 | 840 | | -147 |
| GL | QASIGIANNGUIT | 4566 | 2014 | 840 | 860 | 0.028 | 843 | | -221 |
| GL | QASIGIANNGUIT | 4566 | 2014 | 820 | 840 | 0.025 | 846 | | -296 |
| GL | QASIGIANNGUIT | 4566 | 2014 | 800 | 820 | 0.041 | 849 | | -371 |
| GL | QASIGIANNGUIT | 4566 | 2014 | 780 | 800 | 0.041 | 852 | | -445 |
| GL | QASIGIANNGUIT | 4566 | 2014 | 760 | 780 | 0.070 | 855 | | -520 |
| GL | QASIGIANNGUIT | 4566 | 2014 | 740 | 760 | 0.062 | 857 | | -987 |
| GL | QASIGIANNGUIT | 4566 | 2014 | 720 | 740 | 0.037 | 860 | | -1482 |
| GL | QASIGIANNGUIT | 4566 | 2014 | 700 | 720 | 0.011 | 836 | | -1559 |
| GL | QASIGIANNGUIT | 4566 | 2015 | 1000 | 1020 | 0.027 | 1750 | | 333 |
| GL | QASIGIANNGUIT | 4566 | 2015 | 980 | 1000 | 0.021 | 1750 | | 333 |
| GL | QASIGIANNGUIT | 4566 | 2015 | 960 | 980 | 0.027 | 1750 | | 333 |
| GL | QASIGIANNGUIT | 4566 | 2015 | 940 | 960 | 0.060 | 1750 | | 333 |
| GL | QASIGIANNGUIT | 4566 | 2015 | 920 | 940 | 0.065 | 1499 | | 333 |
| GL | QASIGIANNGUIT | 4566 | 2015 | 900 | 920 | 0.065 | 1145 | | 287 |
| GL | QASIGIANNGUIT | 4566 | 2015 | 880 | 900 | 0.089 | 1199 | | 177 |
| GL | QASIGIANNGUIT | 4566 | 2015 | 860 | 880 | 0.046 | 1203 | | 205 |
| GL | QASIGIANNGUIT | 4566 | 2015 | 840 | 860 | 0.028 | 1207 | | 233 |
| GL | QASIGIANNGUIT | 4566 | 2015 | 820 | 840 | 0.025 | 1211 | | 260 |
| GL | QASIGIANNGUIT | 4566 | 2015 | 800 | 820 | 0.041 | 1215 | | 288 |
| GL | QASIGIANNGUIT | 4566 | 2015 | 780 | 800 | 0.041 | 1219 | | 315 |
| GL | QASIGIANNGUIT | 4566 | 2015 | 760 | 780 | 0.070 | 1223 | | 343 |
| GL | QASIGIANNGUIT | 4566 | 2015 | 740 | 760 | 0.062 | 1227 | | 21 |
| GL | QASIGIANNGUIT | 4566 | 2015 | 720 | 740 | 0.037 | 1166 | | -352 |
| GL | QASIGIANNGUIT | 4566 | 2015 | 700 | 720 | 0.011 | 993 | | -473 |
| **IT - Italy** | | | | | | | | | |
| IT | CARESER | 635 | 2014 | 3250 | 3300 | 0.015 | 2132 | -1631 | 502 |
| IT | CARESER | 635 | 2014 | 3200 | 3250 | 0.037 | 1920 | -1579 | 341 |
| IT | CARESER | 635 | 2014 | 3150 | 3200 | 0.086 | 1724 | -1521 | 203 |
| IT | CARESER | 635 | 2014 | 3100 | 3150 | 0.219 | 1543 | -1480 | 63 |
| IT | CARESER | 635 | 2014 | 3050 | 3100 | 0.689 | 1608 | -1451 | 157 |
| IT | CARESER | 635 | 2014 | 3000 | 3050 | 0.223 | 1560 | -1900 | -339 |
| IT | CARESER | 635 | 2014 | 2950 | 3000 | 0.246 | 1432 | -2324 | -893 |
| IT | CARESER | 635 | 2014 | 2900 | 2950 | 0.064 | 1411 | -2533 | -1121 |
| IT | CARESER | 635 | 2014 | 2850 | 2900 | 0.000 | 1391 | -2531 | -1139 |
| IT | CARESER | 635 | 2015 | 3250 | 3300 | 0.009 | 1592 | -2946 | -1354 |
| IT | CARESER | 635 | 2015 | 3200 | 3250 | 0.028 | 1512 | -3086 | -1574 |
| IT | CARESER | 635 | 2015 | 3150 | 3200 | 0.069 | 1229 | -3109 | -1881 |
| IT | CARESER | 635 | 2015 | 3100 | 3150 | 0.188 | 817 | -3160 | -2343 |
| IT | CARESER | 635 | 2015 | 3050 | 3100 | 0.649 | 825 | -3155 | -2330 |
| IT | CARESER | 635 | 2015 | 3000 | 3050 | 0.198 | 908 | -3455 | -2546 |
| IT | CARESER | 635 | 2015 | 2950 | 3000 | 0.137 | 840 | -4287 | -3447 |
| IT | CARESER | 635 | 2015 | 2900 | 2950 | 0.033 | 776 | -4767 | -3990 |
| IT | CIARDONEY | 1264 | 2014 | 3120 | 3160 | 0.055 | 2324 | -1874 | 450 |
| IT | CIARDONEY | 1264 | 2014 | 3080 | 3120 | 0.168 | 2018 | -2193 | -175 |
| IT | CIARDONEY | 1264 | 2014 | 3020 | 3080 | 0.154 | 1733 | -2116 | -383 |
| IT | CIARDONEY | 1264 | 2014 | 2910 | 3020 | 0.09 | 1560 | -2674 | -1114 |
| IT | CIARDONEY | 1264 | 2014 | 2850 | 2910 | 0.101 | 1733 | -3299 | -1566 |
| IT | CIARDONEY | 1264 | 2015 | 3120 | 3160 | 0.055 | 2373 | 3042 | -669 |
| IT | CIARDONEY | 1264 | 2015 | 3080 | 3120 | 0.168 | 1886 | 3235 | -1349 |
| IT | CIARDONEY | 1264 | 2015 | 3020 | 3080 | 0.154 | 1638 | 3339 | -1701 |
| IT | CIARDONEY | 1264 | 2015 | 2910 | 3020 | 0.09 | 1310 | 3372 | -2062 |
| IT | CIARDONEY | 1264 | 2015 | 2850 | 2910 | 0.101 | 1638 | 4901 | -3263 |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 2014 | 3300 | 3350 | 0.011 | 1500 | -700 | 800 |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 2014 | 3250 | 3300 | 0.027 | 1770 | -964 | 806 |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 2014 | 3200 | 3250 | 0.080 | 1899 | -1065 | 834 |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 2014 | 3150 | 3200 | 0.118 | 1840 | -1357 | 483 |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 2014 | 3100 | 3150 | 0.084 | 1763 | -1518 | 245 |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 2014 | 3050 | 3100 | 0.044 | 1949 | -1876 | 73 |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 2014 | 3000 | 3050 | 0.028 | 1919 | -1823 | 96 |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 2014 | 2950 | 3000 | 0.005 | 1999 | -1138 | 861 |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 2014 | 2900 | 2950 | 0.002 | 2000 | -1184 | 816 |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 2014 | 2850 | 2900 | 0 | 2000 | -1550 | 450 |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 2015 | 3300 | 3350 | 0.011 | 808 | -2158 | -1350 |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 2015 | 3250 | 3300 | 0.027 | 1260 | -2613 | -1353 |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 2015 | 3200 | 3250 | 0.080 | 1321 | -2604 | -1283 |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 2015 | 3150 | 3200 | 0.118 | 1220 | -2394 | -1174 |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 2015 | 3100 | 3150 | 0.084 | 1040 | -2150 | -1110 |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 2015 | 3050 | 3100 | 0.044 | 1131 | -2628 | -1497 |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 2015 | 3000 | 3050 | 0.028 | 1211 | -3051 | -1839 |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 2015 | 2950 | 3000 | 0.005 | 1876 | -3920 | -2044 |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 2015 | 2900 | 2950 | 0.002 | 2100 | -3131 | -1031 |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 2015 | 2850 | 2900 | 0 | 2100 | -2550 | -450 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2014 | 3550 | 3600 | 0.010 | 891 | 76 | 967 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2014 | 3500 | 3550 | 0.073 | 1051 | 355 | 1406 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2014 | 3450 | 3500 | 0.112 | 1174 | 186 | 1360 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2014 | 3400 | 3450 | 0.126 | 1309 | -159 | 1150 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2014 | 3350 | 3400 | 0.125 | 1415 | -118 | 1298 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2014 | 3300 | 3350 | 0.165 | 1503 | -29 | 1474 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2014 | 3250 | 3300 | 0.202 | 1570 | -239 | 1331 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2014 | 3200 | 3250 | 0.347 | 1616 | -573 | 1043 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2014 | 3150 | 3200 | 0.327 | 1641 | -886 | 755 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2014 | 3100 | 3150 | 0.174 | 1649 | -1150 | 498 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2014 | 3050 | 3100 | 0.117 | 1634 | -1442 | 193 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2014 | 3000 | 3050 | 0.096 | 1601 | -1495 | 106 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2014 | 2950 | 3000 | 0.077 | 1544 | -1831 | -287 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2014 | 2900 | 2950 | 0.038 | 1481 | -1982 | -501 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2014 | 2850 | 2900 | 0.013 | 1376 | -1496 | -120 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2014 | 2800 | 2850 | 0.021 | 1259 | -1705 | -446 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2014 | 2750 | 2800 | 0.014 | 1124 | -2408 | -1283 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2014 | 2700 | 2750 | 0.011 | 959 | -2264 | -1305 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2014 | 2650 | 2700 | 0.011 | 817 | -2357 | -1540 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2015 | 3550 | 3600 | 0.010 | 793 | -1298 | -505 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2015 | 3500 | 3550 | 0.073 | 848 | -1495 | -647 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2015 | 3450 | 3500 | 0.112 | 882 | -1429 | -547 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2015 | 3400 | 3450 | 0.126 | 909 | -1477 | -567 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2015 | 3350 | 3400 | 0.125 | 918 | -1409 | -491 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2015 | 3300 | 3350 | 0.165 | 911 | -1283 | -372 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2015 | 3250 | 3300 | 0.202 | 887 | -1507 | -621 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2015 | 3200 | 3250 | 0.347 | 846 | -1735 | -888 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2015 | 3150 | 3200 | 0.327 | 796 | -2175 | -1379 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2015 | 3100 | 3150 | 0.174 | 721 | -2683 | -1962 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2015 | 3050 | 3100 | 0.117 | 629 | -3265 | -2636 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2015 | 3000 | 3050 | 0.096 | 524 | -3253 | -2729 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2015 | 2950 | 3000 | 0.077 | 398 | -3172 | -2775 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2015 | 2900 | 2950 | 0.038 | 279 | -3431 | -3153 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2015 | 2850 | 2900 | 0.013 | 107 | -2741 | -2635 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2015 | 2800 | 2850 | 0.021 | -68 | -3769 | -3837 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2015 | 2750 | 2800 | 0.014 | -255 | -4036 | -4291 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2015 | 2700 | 2750 | 0.011 | -472 | -4099 | -4570 |
| IT | LA MARE (VEDRETTA DE) | 636 | 2015 | 2650 | 2700 | 0.011 | -651 | -3214 | -3865 |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 2014 | 3350 | 3400 | 0.009 | 1364 | -314 | 1050 |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 2014 | 3300 | 3350 | 0.057 | 1696 | -208 | 1488 |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 2014 | 3250 | 3300 | 0.233 | 1564 | -300 | 1264 |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 2014 | 3200 | 3250 | 0.321 | 1520 | -672 | 848 |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 2014 | 3150 | 3200 | 0.161 | 1631 | -855 | 776 |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 2014 | 3100 | 3150 | 0.178 | 1778 | -832 | 946 |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 2014 | 3050 | 3100 | 0.214 | 1684 | -1173 | 511 |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 2014 | 3000 | 3050 | 0.100 | 1682 | -1821 | -139 |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 2014 | 2950 | 3000 | 0.075 | 1828 | -1817 | 11 |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 2014 | 2900 | 2950 | 0.066 | 1755 | -2065 | -310 |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 2014 | 2850 | 2900 | 0.063 | 1727 | -2552 | -825 |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 2014 | 2800 | 2850 | 0.043 | 1721 | -3190 | -1469 |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 2014 | 2750 | 2800 | 0.051 | 1585 | -3796 | -2211 |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 2014 | 2700 | 2750 | 0.031 | 1427 | -4374 | -2947 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2014 | 3400 | 3470 | 0.081 | 1767 | -337 | 1430 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2014 | 3350 | 3400 | 0.14 | 2048 | -340 | 1708 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2014 | 3300 | 3350 | 0.162 | 1767 | -359 | 1444 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2014 | 3250 | 3300 | 0.13 | 1729 | -402 | 1327 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2014 | 3200 | 3250 | 0.251 | 2009 | -321 | 1688 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2014 | 3150 | 3200 | 0.612 | 2087 | -329 | 1758 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2014 | 3100 | 3150 | 0.568 | 1648 | -1504 | 144 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2014 | 3050 | 3100 | 0.567 | 1766 | -1573 | 193 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2014 | 3000 | 3050 | 0.608 | 1640 | -1935 | -295 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2014 | 2950 | 3000 | 0.579 | 1486 | -1876 | -390 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2014 | 2900 | 2950 | 0.429 | 1355 | -1968 | -613 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2014 | 2850 | 2900 | 0.765 | 1408 | -1950 | -542 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2014 | 2800 | 2850 | 0.429 | 1498 | -2190 | -692 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2014 | 2750 | 2800 | 0.327 | 1325 | -2215 | -890 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2014 | 2700 | 2750 | 0.145 | 1350 | -2843 | -1493 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2014 | 2650 | 2700 | 0.205 | 637 | -2158 | -1521 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2014 | 2560 | 2650 | 0.029 | 500 | -2200 | -1700 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2015 | 3400 | 3470 | 0.081 | 1683 | -261 | 1422 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2015 | 3350 | 3400 | 0.14 | 1698 | -915 | 783 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2015 | 3300 | 3350 | 0.162 | 1706 | -1103 | 603 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2015 | 3250 | 3300 | 0.13 | 1587 | -983 | 604 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2015 | 3200 | 3250 | 0.251 | 1575 | -1522 | 53 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2015 | 3150 | 3200 | 0.612 | 1477 | -1365 | 112 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2015 | 3100 | 3150 | 0.568 | 1441 | -2573 | -1132 |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2015 | 3050 | 3100 | 0.567 | 1641 | -2851 | -1210 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2015 | 3000 | 3050 | 0.608 | 1463 | -2936 | -1473 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2015 | 2950 | 3000 | 0.579 | 1354 | -2923 | -1569 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2015 | 2900 | 2950 | 0.429 | 1343 | -3075 | -1732 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2015 | 2850 | 2900 | 0.765 | 1445 | -3053 | -1608 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2015 | 2800 | 2850 | 0.429 | 1340 | -3070 | -1730 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2015 | 2750 | 2800 | 0.327 | 1277 | -3423 | -2146 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2015 | 2700 | 2750 | 0.145 | 1252 | -4240 | -2988 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2015 | 2650 | 2700 | 0.205 | 899 | -4184 | -3285 |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 2015 | 2560 | 2650 | 0.029 | 500 | -4000 | -3500 |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 2014 | 2950 | 2980 | 0.004 | 2355 | -1755 | 600 |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 2014 | 2900 | 2950 | 0.05 | 2242 | -1894 | 348 |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 2014 | 2850 | 2900 | 0.166 | 1903 | -1872 | 31 |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 2014 | 2800 | 2850 | 0.137 | 2325 | -2194 | 131 |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 2014 | 2750 | 2800 | 0.188 | 1868 | -2117 | -249 |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 2014 | 2700 | 2750 | 0.212 | 1543 | -1723 | -180 |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 2014 | 2650 | 2700 | 0.088 | 1158 | -1698 | -540 |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 2014 | 2625 | 2650 | 0.006 | 963 | -2133 | -1170 |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 2015 | 2950 | 2980 | 0.004 | 1912 | -2000 | -88 |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 2015 | 2900 | 2950 | 0.05 | 1912 | -2157 | -245 |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 2015 | 2850 | 2900 | 0.166 | 1784 | -2784 | -1000 |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 2015 | 2800 | 2850 | 0.137 | 1776 | -3135 | -1359 |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 2015 | 2750 | 2800 | 0.188 | 1764 | -3638 | -1874 |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 2015 | 2700 | 2750 | 0.212 | 1625 | -3264 | -1639 |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 2015 | 2650 | 2700 | 0.088 | 1367 | -3613 | -2246 |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 2015 | 2625 | 2650 | 0.006 | 1577 | -3900 | -2323 |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 2014 | 3200 | 3250 | 0.016 | 1672 | -954 | 718 |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 2014 | 3150 | 3200 | 0.178 | 1783 | -1198 | 585 |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 2014 | 3100 | 3150 | 0.216 | 1684 | -941 | 743 |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 2014 | 3050 | 3100 | 0.257 | 1626 | -958 | 668 |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 2014 | 3000 | 3050 | 0.263 | 1518 | -1122 | 396 |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 2014 | 2950 | 3000 | 0.244 | 1460 | -1622 | -162 |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 2014 | 2900 | 2950 | 0.25 | 1338 | -1488 | -151 |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 2014 | 2850 | 2900 | 0.198 | 1285 | -1704 | -418 |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 2014 | 2800 | 2850 | 0.141 | 1317 | -2029 | -712 |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 2014 | 2750 | 2800 | 0.03 | 1203 | -1922 | -718 |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 2014 | 2700 | 2750 | 0.021 | 1400 | -1506 | -106 |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 2014 | 2650 | 2700 | 0.011 | 1210 | -1343 | -133 |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 2015 | 3200 | 3250 | 0.016 | 1171 | -2277 | -1107 |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 2015 | 3150 | 3200 | 0.178 | 1196 | -2342 | -1147 |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 2015 | 3100 | 3150 | 0.215 | 1306 | -2411 | -1105 |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 2015 | 3050 | 3100 | 0.257 | 1221 | -2576 | -1355 |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 2015 | 3000 | 3050 | 0.263 | 1061 | -2315 | -1254 |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 2015 | 2950 | 3000 | 0.244 | 966 | -2320 | -1353 |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 2015 | 2900 | 2950 | 0.242 | 810 | -2839 | -2028 |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 2015 | 2850 | 2900 | 0.156 | 793 | -3398 | -2605 |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 2015 | 2800 | 2850 | 0.110 | 783 | -3813 | -3030 |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 2015 | 2750 | 2800 | 0.015 | 743 | -4239 | -3496 |
| **KE - Kenya** | | | | | | | | | |
| KE | LEWIS | 695 | 2014 | 4850 | 4900 | 0.014 | | | -220 |
| KE | LEWIS | 695 | 2014 | 4800 | 4850 | 0.043 | | | -414 |
| KE | LEWIS | 695 | 2014 | 4750 | 4800 | 0.02 | | | -1051 |
| KE | LEWIS | 695 | 2014 | 4700 | 4750 | 0.022 | | | -1818 |
| KE | LEWIS | 695 | 2014 | 4650 | 4700 | 0.009 | | | -2093 |
| **KG - Kyrgyzstan** | | | | | | | | | |
| KG | ABRAMOV | 732 | 2014 | 4900 | 5000 | 0.030 | 772 | -251 | 521 |
| KG | ABRAMOV | 732 | 2014 | 4800 | 4900 | 0.097 | 734 | -139 | 594 |
| KG | ABRAMOV | 732 | 2014 | 4700 | 4800 | 0.132 | 826 | -227 | 598 |
| KG | ABRAMOV | 732 | 2014 | 4600 | 4700 | 0.275 | 931 | -305 | 626 |
| KG | ABRAMOV | 732 | 2014 | 4500 | 4600 | 0.999 | 1104 | -572 | 532 |
| KG | ABRAMOV | 732 | 2014 | 4400 | 4500 | 2.367 | 1410 | -833 | 576 |
| KG | ABRAMOV | 732 | 2014 | 4300 | 4400 | 4.492 | 1478 | -1101 | 376 |
| KG | ABRAMOV | 732 | 2014 | 4200 | 4300 | 5.342 | 1451 | -1413 | 37 |
| KG | ABRAMOV | 732 | 2014 | 4100 | 4200 | 4.451 | 1299 | -2238 | -938 |
| KG | ABRAMOV | 732 | 2014 | 4000 | 4100 | 2.640 | 1060 | -2889 | -1829 |
| KG | ABRAMOV | 732 | 2014 | 3900 | 4000 | 1.63 | 741 | -3463 | -2722 |
| KG | ABRAMOV | 732 | 2014 | 3800 | 3900 | 0.964 | 425 | -4340 | -3914 |
| KG | ABRAMOV | 732 | 2014 | 3700 | 3800 | 0.497 | 241 | -5108 | -4866 |
| KG | ABRAMOV | 732 | 2014 | 3600 | 3700 | 0.091 | 180 | -5235 | -5054 |
| KG | ABRAMOV | 732 | 2015 | 4900 | 5000 | 0.02 | 1125 | -175 | 949 |
| KG | ABRAMOV | 732 | 2015 | 4800 | 4900 | 0.09 | 1179 | -168 | 1011 |
| KG | ABRAMOV | 732 | 2015 | 4700 | 4800 | 0.13 | 1300 | -263 | 1036 |
| KG | ABRAMOV | 732 | 2015 | 4600 | 4700 | 0.26 | 1484 | -422 | 1062 |
| KG | ABRAMOV | 732 | 2015 | 4500 | 4600 | 0.99 | 1797 | -761 | 1036 |
| KG | ABRAMOV | 732 | 2015 | 4400 | 4500 | 2.37 | 2301 | -1040 | 1260 |
| KG | ABRAMOV | 732 | 2015 | 4300 | 4400 | 4.46 | 2415 | -1227 | 1188 |
| KG | ABRAMOV | 732 | 2015 | 4200 | 4300 | 5.32 | 2381 | -1769 | 611 |
| KG | ABRAMOV | 732 | 2015 | 4100 | 4200 | 4.44 | 2154 | -2247 | -92 |
| KG | ABRAMOV | 732 | 2015 | 4000 | 4100 | 2.66 | 1805 | -2879 | -1073 |
| KG | ABRAMOV | 732 | 2015 | 3900 | 4000 | 1.64 | 1324 | -3823 | -2498 |
| KG | ABRAMOV | 732 | 2015 | 3800 | 3900 | 0.97 | 847 | -4599 | -3751 |
| KG | ABRAMOV | 732 | 2015 | 3700 | 3800 | 0.49 | 610 | -5408 | -4798 |
| KG | ABRAMOV | 732 | 2015 | 3600 | 3700 | 0.1 | 545 | -5551 | -5005 |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 2014 | 4400 | 4500 | 0.076 | 76 | 104 | 181 |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 2014 | 4300 | 4400 | 0.201 | 137 | 229 | 367 |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 2014 | 4200 | 4300 | 0.326 | 83 | -186 | -102 |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 2014 | 4100 | 4200 | 0.297 | 29 | -773 | -743 |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 2014 | 4000 | 4100 | 0.166 | 8 | -1469 | -1460 |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 2014 | 3900 | 4000 | 0.040 | -6 | -1788 | -1795 |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 2014 | 4600 | 4700 | 0.041 | 245 | | 491 |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 2014 | 4500 | 4600 | 0.163 | 263 | | 484 |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 2014 | 4400 | 4500 | 0.374 | 271 | | 400 |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 2014 | 4300 | 4400 | 0.698 | 269 | | 245 |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 2014 | 4200 | 4300 | 1.434 | 222 | | -150 |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 2014 | 4100 | 4200 | 1.576 | 164 | | -619 |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 2014 | 4000 | 4100 | 1.126 | 73 | | -1315 |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 2014 | 3900 | 4000 | 0.641 | 20 | | -1831 |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 2014 | 3800 | 3900 | 0.325 | -3 | | -2401 |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 2014 | 3700 | 3800 | 0.034 | -12 | | -3616 |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 2015 | 4600 | 4650 | 0.015 | 255 | 104 | 360 |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 2015 | 4500 | 4600 | 0.157 | 273 | 72 | 346 |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 2015 | 4400 | 4500 | 0.63 | 282 | -8 | 274 |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 2015 | 4300 | 4400 | 1.04 | 280 | -127 | 153 |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 2015 | 4200 | 4300 | 1.583 | 232 | -419 | -187 |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 2015 | 4100 | 4200 | 1.659 | 173 | -790 | -617 |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 2015 | 4000 | 4100 | 0.852 | 81 | -1290 | -1209 |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 2015 | 3900 | 4000 | 0.568 | 29 | -1642 | -1613 |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 2015 | 3800 | 3900 | 0.259 | 8 | -1960 | -1951 |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 2015 | 3780 | 3800 | 0.027 | 10 | -2594 | -2584 |
| KG | GLACIER NO. 599 (KJUNGEI ALA-TOO) | 10402 | 2015 | 4200 | 4300 | 0.164 | | | 2250 |
| KG | GLACIER NO. 599 (KJUNGEI ALA-TOO) | 10402 | 2015 | 4100 | 4200 | 0.184 | | | 1514 |
| KG | GLACIER NO. 599 (KJUNGEI ALA-TOO) | 10402 | 2015 | 4000 | 4100 | 0.605 | | | 199 |
| KG | GLACIER NO. 599 (KJUNGEI ALA-TOO) | 10402 | 2015 | 3900 | 4000 | 0.405 | | | -1088 |
| KG | GLACIER NO. 599 (KJUNGEI ALA-TOO) | 10402 | 2015 | 3800 | 3900 | 0.154 | | | -2382 |
| KG | GLACIER NO. 599 (KJUNGEI ALA-TOO) | 10402 | 2015 | 3700 | 3800 | 0.02 | | | -2750 |
| KG | GOLUBIN | 753 | 2014 | 4300 | 4400 | 0.012 | 523 | -1167 | -644 |
| KG | GOLUBIN | 753 | 2014 | 4200 | 4300 | 0.276 | 684 | -1227 | -543 |
| KG | GOLUBIN | 753 | 2014 | 4100 | 4200 | 0.537 | 701 | -1400 | -699 |
| KG | GOLUBIN | 753 | 2014 | 4000 | 4100 | 1.084 | 805 | -1756 | -951 |
| KG | GOLUBIN | 753 | 2014 | 3900 | 4000 | 1.063 | 707 | -2294 | -1587 |
| KG | GOLUBIN | 753 | 2014 | 3800 | 3900 | 0.963 | 681 | -2691 | -2010 |
| KG | GOLUBIN | 753 | 2014 | 3700 | 3800 | 0.303 | 515 | -2873 | -2358 |
| KG | GOLUBIN | 753 | 2014 | 3600 | 3700 | 0.593 | 266 | -3834 | -3568 |
| KG | GOLUBIN | 753 | 2014 | 3500 | 3600 | 0.360 | 33 | -4219 | -4186 |
| KG | GOLUBIN | 753 | 2014 | 3400 | 3500 | 0.223 | -559 | -4714 | -5273 |
| KG | GOLUBIN | 753 | 2014 | 3300 | 3400 | 0.034 | -463 | -5031 | -5494 |
| KG | GOLUBIN | 753 | 2015 | 4300 | 4400 | 0.012 | 535 | -677 | -142 |
| KG | GOLUBIN | 753 | 2015 | 4200 | 4300 | 0.276 | 717 | -696 | 21 |
| KG | GOLUBIN | 753 | 2015 | 4100 | 4200 | 0.537 | 735 | -725 | 10 |
| KG | GOLUBIN | 753 | 2015 | 4000 | 4100 | 1.084 | 842 | -797 | 45 |
| KG | GOLUBIN | 753 | 2015 | 3900 | 4000 | 1.063 | 722 | -1021 | -299 |
| KG | GOLUBIN | 753 | 2015 | 3800 | 3900 | 0.963 | 682 | -1188 | -506 |
| KG | GOLUBIN | 753 | 2015 | 3700 | 3800 | 0.303 | 489 | -1363 | -874 |
| KG | GOLUBIN | 753 | 2015 | 3600 | 3700 | 0.593 | 209 | -1930 | -1721 |
| KG | GOLUBIN | 753 | 2015 | 3500 | 3600 | 0.360 | -74 | -2170 | -2244 |
| KG | GOLUBIN | 753 | 2015 | 3400 | 3500 | 0.224 | -765 | -2428 | -3193 |
| KG | GOLUBIN | 753 | 2015 | 3300 | 3400 | 0.029 | -722 | -2601 | -3323 |
| KG | KARA-BATKAK | 813 | 2014 | 4200 | 4900 | 0.475 | 200 | | |
| KG | KARA-BATKAK | 813 | 2014 | 4100 | 4200 | 0.363 | 610 | | |
| KG | KARA-BATKAK | 813 | 2014 | 4000 | 4100 | 0.296 | 660 | | |
| KG | KARA-BATKAK | 813 | 2014 | 3900 | 4000 | 0.305 | 230 | | |
| KG | KARA-BATKAK | 813 | 2014 | 3800 | 3900 | 0.391 | 230 | | |
| KG | KARA-BATKAK | 813 | 2014 | 3700 | 3800 | 0.242 | 270 | | |
| KG | KARA-BATKAK | 813 | 2014 | 3600 | 3700 | 0.148 | 540 | | |
| KG | KARA-BATKAK | 813 | 2014 | 3500 | 3600 | 0.157 | 230 | | |
| KG | KARA-BATKAK | 813 | 2014 | 3400 | 3500 | 0.33 | 260 | -2240 | -1980 |
| KG | KARA-BATKAK | 813 | 2014 | 3300 | 3400 | 0.072 | 240 | -2720 | -2480 |
| KG | KARA-BATKAK | 813 | 2015 | 4200 | 4900 | 0.475 | 410 | -30 | 380 |
| KG | KARA-BATKAK | 813 | 2015 | 4100 | 4200 | 0.363 | 670 | -190 | 480 |
| KG | KARA-BATKAK | 813 | 2015 | 4000 | 4100 | 0.296 | 640 | -770 | -130 |
| KG | KARA-BATKAK | 813 | 2015 | 3900 | 4000 | 0.305 | 380 | -1320 | -940 |
| KG | KARA-BATKAK | 813 | 2015 | 3800 | 3900 | 0.391 | 610 | -1870 | -1260 |
| KG | KARA-BATKAK | 813 | 2015 | 3700 | 3800 | 0.242 | 600 | -1830 | -1230 |
| KG | KARA-BATKAK | 813 | 2015 | 3600 | 3700 | 0.148 | 540 | -2220 | -1680 |
| KG | KARA-BATKAK | 813 | 2015 | 3500 | 3600 | 0.157 | 260 | -2870 | -2610 |
| KG | KARA-BATKAK | 813 | 2015 | 3400 | 3500 | 0.33 | 310 | -2970 | -2660 |
| KG | KARA-BATKAK | 813 | 2015 | 3300 | 3400 | 0.032 | 300 | -3610 | -3310 |
| KG | SARY TOR (NO.356) | 805 | 2015 | 4500 | 4800 | 0.378 | 580 | -820 | -240 |
| KG | SARY TOR (NO.356) | 805 | 2015 | 4400 | 4500 | 0.351 | 570 | -840 | -270 |
| KG | SARY TOR (NO.356) | 805 | 2015 | 4300 | 4400 | 0.726 | 410 | -1060 | -650 |
| KG | SARY TOR (NO.356) | 805 | 2015 | 4200 | 4300 | 0.425 | 360 | -1220 | -860 |
| KG | SARY TOR (NO.356) | 805 | 2015 | 4100 | 4200 | 0.409 | 310 | -1610 | -1300 |
| KG | SARY TOR (NO.356) | 805 | 2015 | 4000 | 4100 | 0.305 | 270 | -1930 | -1660 |
| KG | SARY TOR (NO.356) | 805 | 2015 | 3900 | 4000 | 0.054 | 170 | -2630 | -2460 |
| **KZ - Kazakhstan** | | | | | | | | | |
| KZ | TS.TUYUKSUYSKIY | 817 | 2014 | 4100 | 4200 | 0.161 | 86 | 58 | 144 |
| KZ | TS.TUYUKSUYSKIY | 817 | 2014 | 4000 | 4100 | 0.314 | 148 | -28 | 120 |
| KZ | TS.TUYUKSUYSKIY | 817 | 2014 | 3900 | 4000 | 0.233 | 186 | -6 | 180 |
| KZ | TS.TUYUKSUYSKIY | 817 | 2014 | 3800 | 3900 | 0.315 | 220 | -923 | -703 |
| KZ | TS.TUYUKSUYSKIY | 817 | 2014 | 3750 | 3800 | 0.307 | 208 | -1663 | -1455 |
| KZ | TS.TUYUKSUYSKIY | 817 | 2014 | 3700 | 3750 | 0.389 | 196 | -2035 | -1839 |
| KZ | TS.TUYUKSUYSKIY | 817 | 2014 | 3650 | 3700 | 0.233 | 169 | -2133 | -1964 |
| KZ | TS.TUYUKSUYSKIY | 817 | 2014 | 3600 | 3650 | 0.103 | 263 | -2224 | -1961 |
| KZ | TS.TUYUKSUYSKIY | 817 | 2014 | 3550 | 3600 | 0.122 | 303 | -2543 | -2240 |
| KZ | TS.TUYUKSUYSKIY | 817 | 2014 | 3500 | 3550 | 0.099 | 280 | -2925 | -2645 |
| KZ | TS.TUYUKSUYSKIY | 817 | 2015 | 4100 | 4200 | 0.161 | 291 | -113 | 178 |
| KZ | TS.TUYUKSUYSKIY | 817 | 2015 | 4000 | 4100 | 0.314 | 539 | -336 | 203 |
| KZ | TS.TUYUKSUYSKIY | 817 | 2015 | 3900 | 4000 | 0.233 | 677 | -427 | 251 |
| KZ | TS.TUYUKSUYSKIY | 817 | 2015 | 3800 | 3900 | 0.312 | 808 | -1078 | -270 |
| KZ | TS.TUYUKSUYSKIY | 817 | 2015 | 3750 | 3800 | 0.31 | 759 | -1838 | -1079 |
| KZ | TS.TUYUKSUYSKIY | 817 | 2015 | 3700 | 3750 | 0.386 | 703 | -2016 | -1313 |
| KZ | TS.TUYUKSUYSKIY | 817 | 2015 | 3650 | 3700 | 0.236 | 654 | -2206 | -1551 |
| KZ | TS.TUYUKSUYSKIY | 817 | 2015 | 3600 | 3650 | 0.1 | 550 | -2105 | -1555 |
| KZ | TS.TUYUKSUYSKIY | 817 | 2015 | 3550 | 3600 | 0.124 | 637 | -2511 | -1874 |
| KZ | TS.TUYUKSUYSKIY | 817 | 2015 | 3500 | 3550 | 0.095 | 593 | -2702 | -2109 |
| **NO - Norway** | | | | | | | | | |
| NO | AALFOTBREEN | 317 | 2014 | 1300 | 1368 | 0.902 | 3475 | -4600 | -1125 |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| NO | AALFOTBREEN | 317 | 2014 | 1250 | 1300 | 0.782 | 3650 | -4750 | -1100 |
| NO | AALFOTBREEN | 317 | 2014 | 1200 | 1250 | 0.699 | 3725 | -5025 | -1300 |
| NO | AALFOTBREEN | 317 | 2014 | 1150 | 1200 | 0.577 | 3725 | -5450 | -1725 |
| NO | AALFOTBREEN | 317 | 2014 | 1100 | 1150 | 0.448 | 3800 | -5950 | -2150 |
| NO | AALFOTBREEN | 317 | 2014 | 1050 | 1100 | 0.295 | 3750 | -6450 | -2700 |
| NO | AALFOTBREEN | 317 | 2014 | 1000 | 1050 | 0.183 | 3475 | -6950 | -3475 |
| NO | AALFOTBREEN | 317 | 2014 | 950 | 1000 | 0.075 | 3125 | -7450 | -4325 |
| NO | AALFOTBREEN | 317 | 2014 | 890 | 950 | 0.014 | 2750 | -8025 | -5275 |
| NO | AALFOTBREEN | 317 | 2015 | 1300 | 1368 | 0.902 | 4025 | -2250 | 1775 |
| NO | AALFOTBREEN | 317 | 2015 | 1250 | 1300 | 0.782 | 4200 | -2475 | 1725 |
| NO | AALFOTBREEN | 317 | 2015 | 1200 | 1250 | 0.699 | 4300 | -2700 | 1600 |
| NO | AALFOTBREEN | 317 | 2015 | 1150 | 1200 | 0.577 | 4375 | -2950 | 1425 |
| NO | AALFOTBREEN | 317 | 2015 | 1100 | 1150 | 0.448 | 4400 | -3250 | 1150 |
| NO | AALFOTBREEN | 317 | 2015 | 1050 | 1100 | 0.295 | 4325 | -3575 | 750 |
| NO | AALFOTBREEN | 317 | 2015 | 1000 | 1050 | 0.183 | 4025 | -3925 | 100 |
| NO | AALFOTBREEN | 317 | 2015 | 950 | 1000 | 0.075 | 3500 | -4275 | -775 |
| NO | AALFOTBREEN | 317 | 2015 | 890 | 950 | 0.014 | 2900 | -4675 | -1775 |
| NO | AUSTDALSBREEN | 321 | 2014 | 1700 | 1747 | 0.126 | 2200 | -2800 | -600 |
| NO | AUSTDALSBREEN | 321 | 2014 | 1650 | 1700 | 0.139 | 2250 | -2750 | -500 |
| NO | AUSTDALSBREEN | 321 | 2014 | 1600 | 1650 | 0.182 | 2300 | -2700 | -400 |
| NO | AUSTDALSBREEN | 321 | 2014 | 1550 | 1600 | 1.892 | 2400 | -2700 | -300 |
| NO | AUSTDALSBREEN | 321 | 2014 | 1500 | 1550 | 2.792 | 2400 | -2800 | -400 |
| NO | AUSTDALSBREEN | 321 | 2014 | 1450 | 1500 | 1.604 | 2400 | -3100 | -700 |
| NO | AUSTDALSBREEN | 321 | 2014 | 1400 | 1450 | 1.378 | 2000 | -3400 | -1400 |
| NO | AUSTDALSBREEN | 321 | 2014 | 1350 | 1400 | 0.931 | 1700 | -3800 | -2100 |
| NO | AUSTDALSBREEN | 321 | 2014 | 1300 | 1350 | 0.821 | 1500 | -4300 | -2800 |
| NO | AUSTDALSBREEN | 321 | 2014 | 1250 | 1300 | 0.536 | 1500 | -4900 | -3400 |
| NO | AUSTDALSBREEN | 321 | 2014 | 1200 | 1250 | 0.228 | 1300 | -5500 | -4200 |
| NO | AUSTDALSBREEN | 321 | 2015 | 1700 | 1747 | 0.126 | 2600 | -1250 | 1350 |
| NO | AUSTDALSBREEN | 321 | 2015 | 1650 | 1700 | 0.139 | 2700 | -1300 | 1400 |
| NO | AUSTDALSBREEN | 321 | 2015 | 1600 | 1650 | 0.182 | 2800 | -1300 | 1500 |
| NO | AUSTDALSBREEN | 321 | 2015 | 1550 | 1600 | 1.892 | 2900 | -1350 | 1550 |
| NO | AUSTDALSBREEN | 321 | 2015 | 1500 | 1550 | 2.792 | 2800 | -1400 | 1400 |
| NO | AUSTDALSBREEN | 321 | 2015 | 1450 | 1500 | 1.604 | 2700 | -1450 | 1250 |
| NO | AUSTDALSBREEN | 321 | 2015 | 1400 | 1450 | 1.378 | 2500 | -1700 | 800 |
| NO | AUSTDALSBREEN | 321 | 2015 | 1350 | 1400 | 0.931 | 2000 | -1950 | 50 |
| NO | AUSTDALSBREEN | 321 | 2015 | 1300 | 1350 | 0.821 | 1800 | -2350 | -550 |
| NO | AUSTDALSBREEN | 321 | 2015 | 1250 | 1300 | 0.536 | 1650 | -2800 | -1150 |
| NO | AUSTDALSBREEN | 321 | 2015 | 1200 | 1250 | 0.228 | 1500 | -3250 | -1750 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2014 | 1600 | 1632 | 1.166 | 4150 | -2900 | 1250 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2014 | 1550 | 1600 | 6.335 | 3825 | -3000 | 825 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2014 | 1500 | 1550 | 4.131 | 3600 | -3150 | 450 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2014 | 1450 | 1500 | 2.192 | 3375 | -3350 | 25 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2014 | 1400 | 1450 | 1.556 | 3350 | -3575 | -25 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2014 | 1350 | 1400 | 1.755 | 3275 | -3825 | -550 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2014 | 1300 | 1350 | 1.458 | 3100 | -4100 | -1000 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2014 | 1250 | 1300 | 0.781 | 3000 | -4400 | -1400 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2014 | 1200 | 1250 | 1.278 | 2950 | -4725 | -1775 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2014 | 1150 | 1200 | 1.003 | 2900 | -5050 | -2150 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2014 | 1100 | 1150 | 0.445 | 2700 | -5400 | -2700 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2014 | 1012 | 1100 | 0.304 | 1900 | -5900 | -4000 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2015 | 1600 | 1632 | 1.166 | 3925 | -650 | 3275 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2015 | 1550 | 1600 | 6.335 | 3800 | -725 | 3075 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2015 | 1500 | 1550 | 4.131 | 3625 | -850 | 2775 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2015 | 1450 | 1500 | 2.192 | 3450 | -1050 | 2400 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2015 | 1400 | 1450 | 1.556 | 3300 | -1350 | 1950 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2015 | 1350 | 1400 | 1.755 | 3150 | -1750 | 1400 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2015 | 1300 | 1350 | 1.458 | 3025 | -2200 | 825 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2015 | 1250 | 1300 | 0.781 | 2925 | -2650 | 275 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2015 | 1200 | 1250 | 1.278 | 2825 | -3050 | -225 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2015 | 1150 | 1200 | 1.003 | 2650 | -3400 | -750 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2015 | 1100 | 1150 | 0.445 | 2375 | -3725 | -1350 |
| NO | BLOMSTOELSKARDSBREEN | 3339 | 2015 | 1012 | 1100 | 0.304 | 1875 | -4150 | -2275 |
| NO | ENGABREEN | 298 | 2014 | 1500 | 1544 | 0.048 | 3050 | -2300 | 750 |
| NO | ENGABREEN | 298 | 2014 | 1400 | 1500 | 2.129 | 3400 | -2400 | 1000 |
| NO | ENGABREEN | 298 | 2014 | 1300 | 1400 | 9.241 | 3500 | -2600 | 900 |
| NO | ENGABREEN | 298 | 2014 | 1200 | 1300 | 8.044 | 3000 | -3000 | 0 |
| NO | ENGABREEN | 298 | 2014 | 1100 | 1200 | 7.572 | 2350 | -3500 | -1150 |
| NO | ENGABREEN | 298 | 2014 | 1000 | 1100 | 4.607 | 1700 | -4100 | -2400 |
| NO | ENGABREEN | 298 | 2014 | 900 | 1000 | 2.431 | 1250 | -4800 | -3550 |
| NO | ENGABREEN | 298 | 2014 | 800 | 900 | 0.797 | 950 | -5700 | -4750 |
| NO | ENGABREEN | 298 | 2014 | 700 | 800 | 0.455 | 700 | -6550 | -5850 |
| NO | ENGABREEN | 298 | 2014 | 600 | 700 | 0.285 | 500 | -7400 | -6900 |
| NO | ENGABREEN | 298 | 2014 | 500 | 600 | 0.245 | 300 | -8250 | -7950 |
| NO | ENGABREEN | 298 | 2014 | 400 | 500 | 0.144 | 100 | -9100 | -9000 |
| NO | ENGABREEN | 298 | 2014 | 300 | 400 | 0.099 | -100 | -9900 | -10000 |
| NO | ENGABREEN | 298 | 2014 | 200 | 300 | 0.117 | -350 | -10700 | -11050 |
| NO | ENGABREEN | 298 | 2014 | 111 | 200 | 0.035 | -600 | -11500 | -12100 |
| NO | ENGABREEN | 298 | 2015 | 1500 | 1544 | 0.048 | 3700 | -1800 | 1900 |
| NO | ENGABREEN | 298 | 2015 | 1400 | 1500 | 2.129 | 4000 | -1900 | 2100 |
| NO | ENGABREEN | 298 | 2015 | 1300 | 1400 | 9.241 | 4100 | -2100 | 2000 |
| NO | ENGABREEN | 298 | 2015 | 1200 | 1300 | 8.044 | 3600 | -2400 | 1200 |
| NO | ENGABREEN | 298 | 2015 | 1100 | 1200 | 7.572 | 3100 | -2700 | 400 |
| NO | ENGABREEN | 298 | 2015 | 1000 | 1100 | 4.607 | 2700 | -3000 | -300 |
| NO | ENGABREEN | 298 | 2015 | 900 | 1000 | 2.431 | 2200 | -3300 | -1100 |
| NO | ENGABREEN | 298 | 2015 | 800 | 900 | 0.797 | 1700 | -3700 | -2000 |
| NO | ENGABREEN | 298 | 2015 | 700 | 800 | 0.455 | 1150 | -4100 | -2950 |
| NO | ENGABREEN | 298 | 2015 | 600 | 700 | 0.285 | 600 | -4500 | -3900 |
| NO | ENGABREEN | 298 | 2015 | 500 | 600 | 0.245 | 50 | -4900 | -4850 |
| NO | ENGABREEN | 298 | 2015 | 400 | 500 | 0.144 | -500 | -5350 | -5850 |
| NO | ENGABREEN | 298 | 2015 | 300 | 400 | 0.099 | -1050 | -5800 | -6850 |
| NO | ENGABREEN | 298 | 2015 | 200 | 300 | 0.117 | -1550 | -6200 | -7750 |
| NO | ENGABREEN | 298 | 2015 | 111 | 200 | 0.035 | -2000 | -6600 | -8600 |
| NO | ENGABREEN | 298 | 2015 | 100 | 200 | 0.091 | -2100 | -6350 | -8450 |
| NO | GRAASUBREEN | 299 | 2014 | 2250 | 2283 | 0.031 | 951 | -1600 | -649 |
| NO | GRAASUBREEN | 299 | 2014 | 2200 | 2250 | 0.153 | 822 | -1800 | -978 |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| NO | GRAASUBREEN | 299 | 2014 | 2150 | 2200 | 0.255 | 841 | -2080 | -1239 |
| NO | GRAASUBREEN | 299 | 2014 | 2100 | 2150 | 0.353 | 525 | -2200 | -1675 |
| NO | GRAASUBREEN | 299 | 2014 | 2050 | 2100 | 0.362 | 813 | -2150 | -1337 |
| NO | GRAASUBREEN | 299 | 2014 | 2000 | 2050 | 0.405 | 795 | -2100 | -1305 |
| NO | GRAASUBREEN | 299 | 2014 | 1950 | 2000 | 0.32 | 1251 | -2050 | -799 |
| NO | GRAASUBREEN | 299 | 2014 | 1900 | 1950 | 0.127 | 1404 | -1950 | -546 |
| NO | GRAASUBREEN | 299 | 2014 | 1833 | 1900 | 0.113 | 1251 | -1800 | -549 |
| NO | GRAASUBREEN | 299 | 2015 | 2250 | 2283 | 0.031 | 1260 | -200 | 1060 |
| NO | GRAASUBREEN | 299 | 2015 | 2200 | 2250 | 0.153 | 460 | -300 | 160 |
| NO | GRAASUBREEN | 299 | 2015 | 2150 | 2200 | 0.255 | 720 | -240 | 480 |
| NO | GRAASUBREEN | 299 | 2015 | 2100 | 2150 | 0.353 | 400 | -400 | 0 |
| NO | GRAASUBREEN | 299 | 2015 | 2050 | 2100 | 0.362 | 670 | -600 | 70 |
| NO | GRAASUBREEN | 299 | 2015 | 2000 | 2050 | 0.405 | 750 | -600 | 150 |
| NO | GRAASUBREEN | 299 | 2015 | 1950 | 2000 | 0.32 | 1020 | -550 | 470 |
| NO | GRAASUBREEN | 299 | 2015 | 1900 | 1950 | 0.127 | 1250 | -500 | 750 |
| NO | GRAASUBREEN | 299 | 2015 | 1833 | 1900 | 0.113 | 1490 | -500 | 990 |
| NO | HANSEBREEN | 322 | 2014 | 1250 | 1310 | 0.496 | 3400 | -5225 | -1825 |
| NO | HANSEBREEN | 322 | 2014 | 1200 | 1250 | 0.418 | 3800 | -5400 | -1600 |
| NO | HANSEBREEN | 322 | 2014 | 1150 | 1200 | 0.474 | 3775 | -5575 | -1800 |
| NO | HANSEBREEN | 322 | 2014 | 1100 | 1150 | 0.543 | 3525 | -5750 | -2225 |
| NO | HANSEBREEN | 322 | 2014 | 1050 | 1100 | 0.495 | 3250 | -5925 | -2675 |
| NO | HANSEBREEN | 322 | 2014 | 1000 | 1050 | 0.206 | 3325 | -6100 | -2775 |
| NO | HANSEBREEN | 322 | 2014 | 950 | 1000 | 0.098 | 3900 | -6300 | -2400 |
| NO | HANSEBREEN | 322 | 2014 | 927 | 950 | 0.02 | 4100 | -6450 | -2350 |
| NO | HANSEBREEN | 322 | 2015 | 1250 | 1310 | 0.496 | 4100 | -2625 | 1475 |
| NO | HANSEBREEN | 322 | 2015 | 1200 | 1250 | 0.418 | 4450 | -2800 | 1650 |
| NO | HANSEBREEN | 322 | 2015 | 1150 | 1200 | 0.474 | 4350 | -2975 | 1375 |
| NO | HANSEBREEN | 322 | 2015 | 1100 | 1150 | 0.543 | 4025 | -3150 | 875 |
| NO | HANSEBREEN | 322 | 2015 | 1050 | 1100 | 0.495 | 3675 | -3350 | 325 |
| NO | HANSEBREEN | 322 | 2015 | 1000 | 1050 | 0.206 | 3650 | -3575 | 75 |
| NO | HANSEBREEN | 322 | 2015 | 950 | 1000 | 0.098 | 4150 | -3800 | 350 |
| NO | HANSEBREEN | 322 | 2015 | 927 | 950 | 0.02 | 4550 | -3975 | 575 |
| NO | HELLSTUGUBREEN | 300 | 2014 | 2150 | 2229 | 0.02 | 1240 | -1120 | 120 |
| NO | HELLSTUGUBREEN | 300 | 2014 | 2100 | 2150 | 0.08 | 1270 | -1350 | -80 |
| NO | HELLSTUGUBREEN | 300 | 2014 | 2050 | 2100 | 0.291 | 1467 | -1470 | -3 |
| NO | HELLSTUGUBREEN | 300 | 2014 | 2000 | 2050 | 0.181 | 1493 | -1650 | -157 |
| NO | HELLSTUGUBREEN | 300 | 2014 | 1950 | 2000 | 0.307 | 1399 | -1820 | -421 |
| NO | HELLSTUGUBREEN | 300 | 2014 | 1900 | 1950 | 0.603 | 1246 | -2060 | -814 |
| NO | HELLSTUGUBREEN | 300 | 2014 | 1850 | 1900 | 0.373 | 991 | -2250 | -1259 |
| NO | HELLSTUGUBREEN | 300 | 2014 | 1800 | 1850 | 0.332 | 883 | -2500 | -1617 |
| NO | HELLSTUGUBREEN | 300 | 2014 | 1750 | 1800 | 0.157 | 727 | -2850 | -2123 |
| NO | HELLSTUGUBREEN | 300 | 2014 | 1700 | 1750 | 0.088 | 983 | -3100 | -2117 |
| NO | HELLSTUGUBREEN | 300 | 2014 | 1650 | 1700 | 0.139 | 876 | -3220 | -2344 |
| NO | HELLSTUGUBREEN | 300 | 2014 | 1600 | 1650 | 0.114 | 864 | -3500 | -2636 |
| NO | HELLSTUGUBREEN | 300 | 2014 | 1550 | 1600 | 0.124 | 664 | -3900 | -3236 |
| NO | HELLSTUGUBREEN | 300 | 2014 | 1500 | 1550 | 0.083 | 650 | -4200 | -3550 |
| NO | HELLSTUGUBREEN | 300 | 2014 | 1482 | 1500 | 0.011 | 550 | -4400 | -3850 |
| NO | HELLSTUGUBREEN | 300 | 2015 | 2150 | 2229 | 0.02 | 1520 | 30 | 1550 |
| NO | HELLSTUGUBREEN | 300 | 2015 | 2100 | 2150 | 0.08 | 1510 | -40 | 1470 |
| NO | HELLSTUGUBREEN | 300 | 2015 | 2050 | 2100 | 0.291 | 1500 | -100 | 1400 |
| NO | HELLSTUGUBREEN | 300 | 2015 | 2000 | 2050 | 0.181 | 1252 | -100 | 1152 |
| NO | HELLSTUGUBREEN | 300 | 2015 | 1950 | 2000 | 0.307 | 1274 | -274 | 1000 |
| NO | HELLSTUGUBREEN | 300 | 2015 | 1900 | 1950 | 0.603 | 1239 | -489 | 750 |
| NO | HELLSTUGUBREEN | 300 | 2015 | 1850 | 1900 | 0.373 | 1174 | -574 | 600 |
| NO | HELLSTUGUBREEN | 300 | 2015 | 1800 | 1850 | 0.332 | 1185 | -785 | 400 |
| NO | HELLSTUGUBREEN | 300 | 2015 | 1750 | 1800 | 0.157 | 1279 | -1229 | 50 |
| NO | HELLSTUGUBREEN | 300 | 2015 | 1700 | 1750 | 0.088 | 1163 | -1263 | -100 |
| NO | HELLSTUGUBREEN | 300 | 2015 | 1650 | 1700 | 0.139 | 1133 | -1483 | -350 |
| NO | HELLSTUGUBREEN | 300 | 2015 | 1600 | 1650 | 0.114 | 935 | -1785 | -850 |
| NO | HELLSTUGUBREEN | 300 | 2015 | 1550 | 1600 | 0.124 | 713 | -2163 | -1450 |
| NO | HELLSTUGUBREEN | 300 | 2015 | 1500 | 1550 | 0.083 | 520 | -2370 | -1850 |
| NO | HELLSTUGUBREEN | 300 | 2015 | 1482 | 1500 | 0.011 | 400 | -2500 | -2100 |
| NO | LANGFJORDJOEKELEN | 323 | 2014 | 1000 | 1050 | 0.417 | 2400 | -2425 | -25 |
| NO | LANGFJORDJOEKELEN | 323 | 2014 | 950 | 1000 | 0.467 | 2425 | -2475 | -50 |
| NO | LANGFJORDJOEKELEN | 323 | 2014 | 900 | 950 | 0.376 | 2525 | -2625 | -100 |
| NO | LANGFJORDJOEKELEN | 323 | 2014 | 850 | 900 | 0.362 | 2600 | -2800 | -200 |
| NO | LANGFJORDJOEKELEN | 323 | 2014 | 800 | 850 | 0.232 | 2600 | -2975 | -375 |
| NO | LANGFJORDJOEKELEN | 323 | 2014 | 750 | 800 | 0.217 | 2500 | -3175 | -675 |
| NO | LANGFJORDJOEKELEN | 323 | 2014 | 700 | 750 | 0.267 | 2300 | -3375 | -1075 |
| NO | LANGFJORDJOEKELEN | 323 | 2014 | 650 | 700 | 0.203 | 2175 | -3600 | -1425 |
| NO | LANGFJORDJOEKELEN | 323 | 2014 | 600 | 650 | 0.168 | 2100 | -3825 | -1725 |
| NO | LANGFJORDJOEKELEN | 323 | 2014 | 550 | 600 | 0.128 | 2050 | -4050 | -2000 |
| NO | LANGFJORDJOEKELEN | 323 | 2014 | 500 | 550 | 0.121 | 2000 | -4300 | -2300 |
| NO | LANGFJORDJOEKELEN | 323 | 2014 | 450 | 500 | 0.095 | 1975 | -4550 | -2575 |
| NO | LANGFJORDJOEKELEN | 323 | 2014 | 400 | 450 | 0.096 | 1950 | -4800 | -2850 |
| NO | LANGFJORDJOEKELEN | 323 | 2014 | 350 | 400 | 0.049 | 1925 | -5050 | -3125 |
| NO | LANGFJORDJOEKELEN | 323 | 2014 | 302 | 350 | 0.018 | 1900 | -5300 | -3400 |
| NO | LANGFJORDJOEKELEN | 323 | 2015 | 1000 | 1050 | 0.417 | 1950 | -1950 | 0 |
| NO | LANGFJORDJOEKELEN | 323 | 2015 | 950 | 1000 | 0.467 | 1950 | -2075 | -125 |
| NO | LANGFJORDJOEKELEN | 323 | 2015 | 900 | 950 | 0.376 | 2000 | -2200 | -200 |
| NO | LANGFJORDJOEKELEN | 323 | 2015 | 850 | 900 | 0.362 | 2075 | -2350 | -275 |
| NO | LANGFJORDJOEKELEN | 323 | 2015 | 800 | 850 | 0.232 | 2150 | -2500 | -350 |
| NO | LANGFJORDJOEKELEN | 323 | 2015 | 750 | 800 | 0.217 | 2075 | -2675 | -600 |
| NO | LANGFJORDJOEKELEN | 323 | 2015 | 700 | 750 | 0.267 | 1900 | -2875 | -975 |
| NO | LANGFJORDJOEKELEN | 323 | 2015 | 650 | 700 | 0.203 | 1750 | -3075 | -1325 |
| NO | LANGFJORDJOEKELEN | 323 | 2015 | 600 | 650 | 0.168 | 1725 | -3300 | -1575 |
| NO | LANGFJORDJOEKELEN | 323 | 2015 | 550 | 600 | 0.128 | 1650 | -3575 | -1925 |
| NO | LANGFJORDJOEKELEN | 323 | 2015 | 500 | 550 | 0.121 | 1500 | -3850 | -2350 |
| NO | LANGFJORDJOEKELEN | 323 | 2015 | 450 | 500 | 0.095 | 1350 | -4125 | -2775 |
| NO | LANGFJORDJOEKELEN | 323 | 2015 | 400 | 450 | 0.096 | 1300 | -4400 | -3100 |
| NO | LANGFJORDJOEKELEN | 323 | 2015 | 350 | 400 | 0.049 | 1275 | -4700 | -3425 |
| NO | LANGFJORDJOEKELEN | 323 | 2015 | 302 | 350 | 0.018 | 1325 | -4975 | -3650 |
| NO | NIGARDSBREEN | 290 | 2014 | 1900 | 1952 | 0.277 | 2825 | -2025 | 800 |
| NO | NIGARDSBREEN | 290 | 2014 | 1800 | 1900 | 4.579 | 2650 | -2200 | 450 |
| NO | NIGARDSBREEN | 290 | 2014 | 1700 | 1800 | 9.051 | 2775 | -2425 | 350 |
| NO | NIGARDSBREEN | 290 | 2014 | 1600 | 1700 | 12.722 | 2875 | -2600 | 275 |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| NO | NIGARDSBREEN | 290 | 2014 | 1500 | 1600 | 8.724 | 2850 | -2850 | 0 |
| NO | NIGARDSBREEN | 290 | 2014 | 1400 | 1500 | 5.612 | 2875 | -3250 | -375 |
| NO | NIGARDSBREEN | 290 | 2014 | 1300 | 1400 | 2.015 | 2850 | -3900 | -1050 |
| NO | NIGARDSBREEN | 290 | 2014 | 1200 | 1300 | 0.751 | 2675 | -4700 | -2025 |
| NO | NIGARDSBREEN | 290 | 2014 | 1100 | 1200 | 0.354 | 2375 | -5525 | -3150 |
| NO | NIGARDSBREEN | 290 | 2014 | 1000 | 1100 | 0.495 | 2050 | -6400 | -4350 |
| NO | NIGARDSBREEN | 290 | 2014 | 900 | 1000 | 0.424 | 1700 | -7250 | -5550 |
| NO | NIGARDSBREEN | 290 | 2014 | 800 | 900 | 0.482 | 1325 | -8050 | -6725 |
| NO | NIGARDSBREEN | 290 | 2014 | 700 | 800 | 0.294 | 950 | -8775 | -7825 |
| NO | NIGARDSBREEN | 290 | 2014 | 600 | 700 | 0.385 | 550 | -9450 | -8900 |
| NO | NIGARDSBREEN | 290 | 2014 | 500 | 600 | 0.268 | 175 | -10075 | -9900 |
| NO | NIGARDSBREEN | 290 | 2014 | 400 | 500 | 0.123 | -150 | -10675 | -10825 |
| NO | NIGARDSBREEN | 290 | 2014 | 330 | 400 | 0.055 | -500 | -11175 | -11675 |
| NO | NIGARDSBREEN | 290 | 2015 | 1900 | 1952 | 0.277 | 3950 | -275 | 3675 |
| NO | NIGARDSBREEN | 290 | 2015 | 1800 | 1900 | 4.579 | 3725 | -500 | 3225 |
| NO | NIGARDSBREEN | 290 | 2015 | 1700 | 1800 | 9.051 | 3400 | -800 | 2600 |
| NO | NIGARDSBREEN | 290 | 2015 | 1600 | 1700 | 12.722 | 3225 | -1050 | 2175 |
| NO | NIGARDSBREEN | 290 | 2015 | 1500 | 1600 | 8.724 | 3175 | -1350 | 1825 |
| NO | NIGARDSBREEN | 290 | 2015 | 1400 | 1500 | 5.612 | 2900 | -1700 | 1200 |
| NO | NIGARDSBREEN | 290 | 2015 | 1300 | 1400 | 2.015 | 2425 | -2075 | 350 |
| NO | NIGARDSBREEN | 290 | 2015 | 1200 | 1300 | 0.751 | 2025 | -2525 | -500 |
| NO | NIGARDSBREEN | 290 | 2015 | 1100 | 1200 | 0.354 | 1725 | -2975 | -1250 |
| NO | NIGARDSBREEN | 290 | 2015 | 1000 | 1100 | 0.495 | 1450 | -3425 | -1975 |
| NO | NIGARDSBREEN | 290 | 2015 | 900 | 1000 | 0.424 | 1175 | -3900 | -2725 |
| NO | NIGARDSBREEN | 290 | 2015 | 800 | 900 | 0.482 | 925 | -4375 | -3450 |
| NO | NIGARDSBREEN | 290 | 2015 | 700 | 800 | 0.294 | 675 | -4875 | -4200 |
| NO | NIGARDSBREEN | 290 | 2015 | 600 | 700 | 0.385 | 450 | -5350 | -4900 |
| NO | NIGARDSBREEN | 290 | 2015 | 500 | 600 | 0.268 | 225 | -5850 | -5625 |
| NO | NIGARDSBREEN | 290 | 2015 | 400 | 500 | 0.123 | 50 | -6350 | -6300 |
| NO | NIGARDSBREEN | 290 | 2015 | 330 | 400 | 0.055 | -75 | -6725 | -6800 |
| NO | REMBESDALSKAAKA | 2296 | 2014 | 1850 | 1854 | 0.029 | 2400 | -2750 | -350 |
| NO | REMBESDALSKAAKA | 2296 | 2014 | 1800 | 1850 | 3.213 | 2500 | -2749 | -249 |
| NO | REMBESDALSKAAKA | 2296 | 2014 | 1750 | 1800 | 3.992 | 2500 | -2796 | -296 |
| NO | REMBESDALSKAAKA | 2296 | 2014 | 1700 | 1750 | 4.048 | 2350 | -2996 | -646 |
| NO | REMBESDALSKAAKA | 2296 | 2014 | 1650 | 1700 | 2.281 | 2200 | -3300 | -1100 |
| NO | REMBESDALSKAAKA | 2296 | 2014 | 1600 | 1650 | 0.957 | 1750 | -3800 | -2050 |
| NO | REMBESDALSKAAKA | 2296 | 2014 | 1550 | 1600 | 0.545 | 1500 | -4400 | -2900 |
| NO | REMBESDALSKAAKA | 2296 | 2014 | 1500 | 1550 | 0.535 | 1350 | -5000 | -3650 |
| NO | REMBESDALSKAAKA | 2296 | 2014 | 1450 | 1500 | 0.336 | 1300 | -5400 | -4100 |
| NO | REMBESDALSKAAKA | 2296 | 2014 | 1400 | 1450 | 0.197 | 1200 | -5800 | -4600 |
| NO | REMBESDALSKAAKA | 2296 | 2014 | 1350 | 1400 | 0.108 | 1100 | -6200 | -5100 |
| NO | REMBESDALSKAAKA | 2296 | 2014 | 1300 | 1350 | 0.074 | 1000 | -6600 | -5600 |
| NO | REMBESDALSKAAKA | 2296 | 2014 | 1250 | 1300 | 0.199 | 900 | -7000 | -6100 |
| NO | REMBESDALSKAAKA | 2296 | 2014 | 1200 | 1250 | 0.262 | 800 | -7400 | -6600 |
| NO | REMBESDALSKAAKA | 2296 | 2014 | 1150 | 1200 | 0.333 | 700 | -7800 | -7100 |
| NO | REMBESDALSKAAKA | 2296 | 2014 | 1100 | 1150 | 0.143 | 600 | -8200 | -7600 |
| NO | REMBESDALSKAAKA | 2296 | 2014 | 1066 | 1100 | 0.012 | 500 | -8500 | -8000 |
| NO | REMBESDALSKAAKA | 2296 | 2015 | 1850 | 1854 | 0.029 | 2600 | -1100 | 1500 |
| NO | REMBESDALSKAAKA | 2296 | 2015 | 1800 | 1850 | 3.213 | 3000 | -1200 | 1800 |
| NO | REMBESDALSKAAKA | 2296 | 2015 | 1750 | 1800 | 3.992 | 3450 | -1400 | 2050 |
| NO | REMBESDALSKAAKA | 2296 | 2015 | 1700 | 1750 | 4.048 | 3250 | -1600 | 1650 |
| NO | REMBESDALSKAAKA | 2296 | 2015 | 1650 | 1700 | 2.281 | 3100 | -1800 | 1300 |
| NO | REMBESDALSKAAKA | 2296 | 2015 | 1600 | 1650 | 0.957 | 2650 | -2050 | 600 |
| NO | REMBESDALSKAAKA | 2296 | 2015 | 1550 | 1600 | 0.545 | 2400 | -2350 | 50 |
| NO | REMBESDALSKAAKA | 2296 | 2015 | 1500 | 1550 | 0.535 | 2300 | -2650 | -350 |
| NO | REMBESDALSKAAKA | 2296 | 2015 | 1450 | 1500 | 0.336 | 2200 | -2950 | -750 |
| NO | REMBESDALSKAAKA | 2296 | 2015 | 1400 | 1450 | 0.197 | 2150 | -3250 | -1100 |
| NO | REMBESDALSKAAKA | 2296 | 2015 | 1350 | 1400 | 0.108 | 2100 | -3600 | -1500 |
| NO | REMBESDALSKAAKA | 2296 | 2015 | 1300 | 1350 | 0.074 | 1950 | -3950 | -2000 |
| NO | REMBESDALSKAAKA | 2296 | 2015 | 1250 | 1300 | 0.199 | 1800 | -4300 | -2500 |
| NO | REMBESDALSKAAKA | 2296 | 2015 | 1200 | 1250 | 0.262 | 1650 | -4650 | -3000 |
| NO | REMBESDALSKAAKA | 2296 | 2015 | 1150 | 1200 | 0.333 | 1500 | -5000 | -3500 |
| NO | REMBESDALSKAAKA | 2296 | 2015 | 1100 | 1150 | 0.143 | 1300 | -5350 | -4050 |
| NO | REMBESDALSKAAKA | 2296 | 2015 | 1066 | 1100 | 0.012 | 1200 | -5600 | -4400 |
| NO | RUNDVASSBREEN | 2670 | 2014 | 1450 | 1525 | 0.167 | 2625 | -1950 | 675 |
| NO | RUNDVASSBREEN | 2670 | 2014 | 1400 | 1450 | 0.188 | 2650 | -2025 | 625 |
| NO | RUNDVASSBREEN | 2670 | 2014 | 1350 | 1400 | 1.922 | 2475 | -2125 | 350 |
| NO | RUNDVASSBREEN | 2670 | 2014 | 1300 | 1350 | 1.793 | 2150 | -2250 | -100 |
| NO | RUNDVASSBREEN | 2670 | 2014 | 1250 | 1300 | 1.943 | 1750 | -2400 | -650 |
| NO | RUNDVASSBREEN | 2670 | 2014 | 1200 | 1250 | 0.782 | 1525 | -2575 | -1050 |
| NO | RUNDVASSBREEN | 2670 | 2014 | 1150 | 1200 | 0.837 | 1425 | -2775 | -1350 |
| NO | RUNDVASSBREEN | 2670 | 2014 | 1100 | 1150 | 1.752 | 1350 | -3000 | -1650 |
| NO | RUNDVASSBREEN | 2670 | 2014 | 1050 | 1100 | 1.326 | 1275 | -3275 | -2000 |
| NO | RUNDVASSBREEN | 2670 | 2014 | 1000 | 1050 | 0.105 | 1225 | -3575 | -2350 |
| NO | RUNDVASSBREEN | 2670 | 2014 | 950 | 1000 | 0.057 | 1175 | -3900 | -2725 |
| NO | RUNDVASSBREEN | 2670 | 2014 | 900 | 950 | 0.04 | 1125 | -4250 | -3125 |
| NO | RUNDVASSBREEN | 2670 | 2014 | 836 | 900 | 0.024 | 1075 | -4700 | -3625 |
| NO | RUNDVASSBREEN | 2670 | 2015 | 1450 | 1525 | 0.167 | 3100 | -1300 | 1800 |
| NO | RUNDVASSBREEN | 2670 | 2015 | 1400 | 1450 | 0.188 | 3150 | -1425 | 1725 |
| NO | RUNDVASSBREEN | 2670 | 2015 | 1350 | 1400 | 1.922 | 2900 | -1550 | 1350 |
| NO | RUNDVASSBREEN | 2670 | 2015 | 1300 | 1350 | 1.793 | 2500 | -1700 | 800 |
| NO | RUNDVASSBREEN | 2670 | 2015 | 1250 | 1300 | 1.943 | 2200 | -1875 | 325 |
| NO | RUNDVASSBREEN | 2670 | 2015 | 1200 | 1250 | 0.782 | 2050 | -2100 | -50 |
| NO | RUNDVASSBREEN | 2670 | 2015 | 1150 | 1200 | 0.837 | 1850 | -2375 | -525 |
| NO | RUNDVASSBREEN | 2670 | 2015 | 1100 | 1150 | 1.752 | 1550 | -2700 | -1150 |
| NO | RUNDVASSBREEN | 2670 | 2015 | 1050 | 1100 | 1.326 | 1275 | -3075 | -1800 |
| NO | RUNDVASSBREEN | 2670 | 2015 | 1000 | 1050 | 0.105 | 1125 | -3450 | -2325 |
| NO | RUNDVASSBREEN | 2670 | 2015 | 950 | 1000 | 0.057 | 1050 | -3850 | -2800 |
| NO | RUNDVASSBREEN | 2670 | 2015 | 900 | 950 | 0.04 | 975 | -4250 | -3275 |
| NO | RUNDVASSBREEN | 2670 | 2015 | 836 | 900 | 0.024 | 900 | -4725 | -3825 |
| NO | STORBREEN | 302 | 2014 | 2050 | 2102 | 0.004 | 2500 | -1050 | 1450 |
| NO | STORBREEN | 302 | 2014 | 2000 | 2050 | 0.095 | 2400 | -1280 | 1120 |
| NO | STORBREEN | 302 | 2014 | 1950 | 2000 | 0.179 | 2280 | -1500 | 780 |
| NO | STORBREEN | 302 | 2014 | 1900 | 1950 | 0.29 | 2078 | -1750 | 328 |
| NO | STORBREEN | 302 | 2014 | 1850 | 1900 | 0.345 | 2000 | -1980 | 20 |
| NO | STORBREEN | 302 | 2014 | 1800 | 1850 | 0.753 | 1650 | -2260 | -610 |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| NO | STORBREEN | 302 | 2014 | 1750 | 1800 | 0.866 | 1613 | -2520 | -907 |
| NO | STORBREEN | 302 | 2014 | 1700 | 1750 | 0.681 | 1413 | -2750 | -1337 |
| NO | STORBREEN | 302 | 2014 | 1650 | 1700 | 0.548 | 1705 | -3020 | -1315 |
| NO | STORBREEN | 302 | 2014 | 1600 | 1650 | 0.312 | 1541 | -3300 | -1759 |
| NO | STORBREEN | 302 | 2014 | 1550 | 1600 | 0.495 | 1275 | -3550 | -2275 |
| NO | STORBREEN | 302 | 2014 | 1500 | 1550 | 0.263 | 1059 | -3800 | -2741 |
| NO | STORBREEN | 302 | 2014 | 1450 | 1500 | 0.176 | 798 | -4100 | -3302 |
| NO | STORBREEN | 302 | 2014 | 1400 | 1450 | 0.135 | 600 | -4300 | -3700 |
| NO | STORBREEN | 302 | 2015 | 2050 | 2102 | 0.004 | 1836 | -450 | 1386 |
| NO | STORBREEN | 302 | 2015 | 2000 | 2050 | 0.095 | 1836 | -500 | 1336 |
| NO | STORBREEN | 302 | 2015 | 1950 | 2000 | 0.179 | 1870 | -550 | 1320 |
| NO | STORBREEN | 302 | 2015 | 1900 | 1950 | 0.29 | 2056 | -600 | 1456 |
| NO | STORBREEN | 302 | 2015 | 1850 | 1900 | 0.345 | 1932 | -670 | 1262 |
| NO | STORBREEN | 302 | 2015 | 1800 | 1850 | 0.753 | 1652 | -750 | 902 |
| NO | STORBREEN | 302 | 2015 | 1750 | 1800 | 0.866 | 1700 | -850 | 850 |
| NO | STORBREEN | 302 | 2015 | 1700 | 1750 | 0.681 | 1372 | -980 | 392 |
| NO | STORBREEN | 302 | 2015 | 1650 | 1700 | 0.548 | 1318 | -1080 | 238 |
| NO | STORBREEN | 302 | 2015 | 1600 | 1650 | 0.312 | 1453 | -1190 | 263 |
| NO | STORBREEN | 302 | 2015 | 1550 | 1600 | 0.495 | 1332 | -1360 | -28 |
| NO | STORBREEN | 302 | 2015 | 1500 | 1550 | 0.263 | 1047 | -1700 | -653 |
| NO | STORBREEN | 302 | 2015 | 1450 | 1500 | 0.176 | 844 | -2050 | -1206 |
| NO | STORBREEN | 302 | 2015 | 1400 | 1450 | 0.135 | 750 | -2400 | -1650 |
| NO | SVELGJABREEN | 3343 | 2014 | 1600 | 1632 | 1.157 | 4250 | -2975 | 1275 |
| NO | SVELGJABREEN | 3343 | 2014 | 1550 | 1600 | 1.847 | 4125 | -3100 | 1025 |
| NO | SVELGJABREEN | 3343 | 2014 | 1500 | 1550 | 2.868 | 3825 | -3250 | 575 |
| NO | SVELGJABREEN | 3343 | 2014 | 1450 | 1500 | 2.084 | 3525 | -3400 | 125 |
| NO | SVELGJABREEN | 3343 | 2014 | 1400 | 1450 | 1.821 | 3275 | -3550 | -275 |
| NO | SVELGJABREEN | 3343 | 2014 | 1350 | 1400 | 2.702 | 3100 | -3700 | -600 |
| NO | SVELGJABREEN | 3343 | 2014 | 1300 | 1350 | 1.986 | 3050 | -3850 | -800 |
| NO | SVELGJABREEN | 3343 | 2014 | 1250 | 1300 | 1.554 | 3050 | -4000 | -950 |
| NO | SVELGJABREEN | 3343 | 2014 | 1200 | 1250 | 1.527 | 3025 | -4150 | -1125 |
| NO | SVELGJABREEN | 3343 | 2014 | 1150 | 1200 | 1.478 | 2975 | -4300 | -1325 |
| NO | SVELGJABREEN | 3343 | 2014 | 1100 | 1150 | 0.933 | 2875 | -4450 | -1575 |
| NO | SVELGJABREEN | 3343 | 2014 | 1050 | 1100 | 1.197 | 2750 | -4600 | -1850 |
| NO | SVELGJABREEN | 3343 | 2014 | 1000 | 1050 | 0.639 | 2525 | -4750 | -2225 |
| NO | SVELGJABREEN | 3343 | 2014 | 950 | 1000 | 0.34 | 2250 | -4900 | -2650 |
| NO | SVELGJABREEN | 3343 | 2014 | 900 | 950 | 0.142 | 2150 | -5050 | -2900 |
| NO | SVELGJABREEN | 3343 | 2014 | 829 | 900 | 0.071 | 2100 | -5225 | -3125 |
| NO | SVELGJABREEN | 3343 | 2015 | 1600 | 1632 | 1.157 | 4000 | -700 | 3300 |
| NO | SVELGJABREEN | 3343 | 2015 | 1550 | 1600 | 1.847 | 4025 | -775 | 3250 |
| NO | SVELGJABREEN | 3343 | 2015 | 1500 | 1550 | 2.868 | 4075 | -900 | 3175 |
| NO | SVELGJABREEN | 3343 | 2015 | 1450 | 1500 | 2.084 | 4050 | -1025 | 3025 |
| NO | SVELGJABREEN | 3343 | 2015 | 1400 | 1450 | 1.821 | 3850 | -1175 | 2675 |
| NO | SVELGJABREEN | 3343 | 2015 | 1350 | 1400 | 2.702 | 3600 | -1350 | 2250 |
| NO | SVELGJABREEN | 3343 | 2015 | 1300 | 1350 | 1.986 | 3375 | -1550 | 1825 |
| NO | SVELGJABREEN | 3343 | 2015 | 1250 | 1300 | 1.554 | 3175 | -1800 | 1375 |
| NO | SVELGJABREEN | 3343 | 2015 | 1200 | 1250 | 1.527 | 3000 | -2100 | 900 |
| NO | SVELGJABREEN | 3343 | 2015 | 1150 | 1200 | 1.478 | 2825 | -2450 | 375 |
| NO | SVELGJABREEN | 3343 | 2015 | 1100 | 1150 | 0.933 | 2650 | -2800 | -150 |
| NO | SVELGJABREEN | 3343 | 2015 | 1050 | 1100 | 1.197 | 2475 | -3175 | -700 |
| NO | SVELGJABREEN | 3343 | 2015 | 1000 | 1050 | 0.639 | 2325 | -3525 | -1200 |
| NO | SVELGJABREEN | 3343 | 2015 | 950 | 1000 | 0.34 | 2175 | -3900 | -1725 |
| NO | SVELGJABREEN | 3343 | 2015 | 900 | 950 | 0.142 | 2025 | -4250 | -2225 |
| NO | SVELGJABREEN | 3343 | 2015 | 829 | 900 | 0.071 | 1875 | -4700 | -2825 |
| **NP - Nepal** | | | | | | | | | |
| NP | YALA | 912 | 2014 | 5600 | 5661 | 0.041 | | | 2288 |
| NP | YALA | 912 | 2014 | 5550 | 5600 | 0.078 | | | 1600 |
| NP | YALA | 912 | 2014 | 5500 | 5550 | 0.122 | | | 994 |
| NP | YALA | 912 | 2014 | 5450 | 5500 | 0.23 | | | 435 |
| NP | YALA | 912 | 2014 | 5400 | 5450 | 0.221 | | | -103 |
| NP | YALA | 912 | 2014 | 5350 | 5400 | 0.219 | | | -690 |
| NP | YALA | 912 | 2014 | 5300 | 5350 | 0.259 | | | -1265 |
| NP | YALA | 912 | 2014 | 5250 | 5300 | 0.223 | | | -1822 |
| NP | YALA | 912 | 2014 | 5200 | 5250 | 0.187 | | | -2343 |
| NP | YALA | 912 | 2014 | 5168 | 5200 | 0.049 | | | -2669 |
| NP | YALA | 912 | 2015 | 5600 | 5661 | 0.041 | | | 1723 |
| NP | YALA | 912 | 2015 | 5550 | 5600 | 0.078 | | | 1115 |
| NP | YALA | 912 | 2015 | 5500 | 5550 | 0.122 | | | 579 |
| NP | YALA | 912 | 2015 | 5450 | 5500 | 0.23 | | | 75 |
| NP | YALA | 912 | 2015 | 5400 | 5450 | 0.221 | | | -414 |
| NP | YALA | 912 | 2015 | 5350 | 5400 | 0.219 | | | -936 |
| NP | YALA | 912 | 2015 | 5300 | 5350 | 0.259 | | | -1467 |
| NP | YALA | 912 | 2015 | 5250 | 5300 | 0.223 | | | -1960 |
| NP | YALA | 912 | 2015 | 5200 | 5250 | 0.187 | | | -2427 |
| NP | YALA | 912 | 2015 | 5168 | 5200 | 0.049 | | | -2711 |
| **PE - Peru** | | | | | | | | | |
| PE | ARTESONRAJU | 3292 | 2014 | 5400 | 5600 | 0.469 | | | 1446 |
| PE | ARTESONRAJU | 3292 | 2014 | 5350 | 5400 | 0.234 | | | 1536 |
| PE | ARTESONRAJU | 3292 | 2014 | 5300 | 5350 | 0.239 | | | 1510 |
| PE | ARTESONRAJU | 3292 | 2014 | 5250 | 5300 | 0.222 | | | 1459 |
| PE | ARTESONRAJU | 3292 | 2014 | 5200 | 5250 | 0.250 | | | 1222 |
| PE | ARTESONRAJU | 3292 | 2014 | 5150 | 5200 | 0.26 | | | 825 |
| PE | ARTESONRAJU | 3292 | 2014 | 5100 | 5150 | 0.233 | | | 524 |
| PE | ARTESONRAJU | 3292 | 2014 | 5050 | 5100 | 0.243 | | | 214 |
| PE | ARTESONRAJU | 3292 | 2014 | 5000 | 5050 | 0.184 | | | -323 |
| PE | ARTESONRAJU | 3292 | 2014 | 4950 | 5000 | 0.290 | | | -607 |
| PE | ARTESONRAJU | 3292 | 2014 | 4900 | 4950 | 0.218 | | | -1261 |
| PE | ARTESONRAJU | 3292 | 2014 | 4820 | 4900 | 0.266 | | | -1840 |
| PE | ARTESONRAJU | 3292 | 2014 | 4790 | 4820 | 0.185 | | | -3603 |
| PE | ARTESONRAJU | 3292 | 2014 | 4760 | 4790 | 0.139 | | | -4870 |
| PE | ARTESONRAJU | 3292 | 2014 | 4730 | 4760 | 0.120 | | | -6122 |
| PE | ARTESONRAJU | 3292 | 2014 | 4700 | 4730 | 0.082 | | | -6983 |
| PE | ARTESONRAJU | 3292 | 2015 | 5400 | 5450 | 0.428 | | | 1147 |
| PE | ARTESONRAJU | 3292 | 2015 | 5350 | 5400 | 0.246 | | | 1801 |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| PE | ARTESONRAJU | 3292 | 2015 | 5300 | 5350 | 0.255 | | | 1725 |
| PE | ARTESONRAJU | 3292 | 2015 | 5250 | 5300 | 0.233 | | | 1698 |
| PE | ARTESONRAJU | 3292 | 2015 | 5200 | 5250 | 0.253 | | | 1304 |
| PE | ARTESONRAJU | 3292 | 2015 | 5150 | 5200 | 0.272 | | | 943 |
| PE | ARTESONRAJU | 3292 | 2015 | 5100 | 5150 | 0.229 | | | 753 |
| PE | ARTESONRAJU | 3292 | 2015 | 5050 | 5100 | 0.249 | | | 598 |
| PE | ARTESONRAJU | 3292 | 2015 | 5000 | 5050 | 0.188 | | | -58 |
| PE | ARTESONRAJU | 3292 | 2015 | 4950 | 5000 | 0.298 | | | -481 |
| PE | ARTESONRAJU | 3292 | 2015 | 4840 | 4950 | 0.386 | | | -1598 |
| PE | ARTESONRAJU | 3292 | 2015 | 4820 | 4840 | 0.120 | | | -3069 |
| PE | ARTESONRAJU | 3292 | 2015 | 4800 | 4820 | 0.112 | | | -4111 |
| PE | ARTESONRAJU | 3292 | 2015 | 4780 | 4800 | 0.094 | | | -5168 |
| PE | ARTESONRAJU | 3292 | 2015 | 4760 | 4780 | 0.075 | | | -6384 |
| PE | ARTESONRAJU | 3292 | 2015 | 4740 | 4760 | 0.067 | | | -7398 |
| PE | ARTESONRAJU | 3292 | 2015 | 4720 | 4740 | 0.066 | | | -8605 |
| PE | ARTESONRAJU | 3292 | 2015 | 4700 | 4720 | 0.042 | | | -9534 |
| PE | YANAMAREY | 226 | 2014 | 4950 | 5150 | 0.008 | | | 1287 |
| PE | YANAMAREY | 226 | 2014 | 4920 | 4950 | 0.024 | | | 260 |
| PE | YANAMAREY | 226 | 2014 | 4890 | 4920 | 0.028 | | | -428 |
| PE | YANAMAREY | 226 | 2014 | 4860 | 4890 | 0.016 | | | -242 |
| PE | YANAMAREY | 226 | 2014 | 4830 | 4860 | 0.019 | | | -1067 |
| PE | YANAMAREY | 226 | 2014 | 4800 | 4830 | 0.019 | | | -1830 |
| PE | YANAMAREY | 226 | 2014 | 4770 | 4800 | 0.02 | | | -2731 |
| PE | YANAMAREY | 226 | 2014 | 4740 | 4770 | 0.011 | | | -3439 |
| PE | YANAMAREY | 226 | 2014 | 4710 | 4740 | 0.013 | | | -4367 |
| PE | YANAMAREY | 226 | 2014 | 4678 | 4710 | 0.005 | | | -4535 |
| PE | YANAMAREY | 226 | 2015 | 5070 | 5100 | 0.001 | | | 1000 |
| PE | YANAMAREY | 226 | 2015 | 5040 | 5070 | 0.008 | | | 978 |
| PE | YANAMAREY | 226 | 2015 | 5010 | 5040 | 0.023 | | | 853 |
| PE | YANAMAREY | 226 | 2015 | 4980 | 5010 | 0.027 | | | 748 |
| PE | YANAMAREY | 226 | 2015 | 4950 | 4980 | 0.029 | | | 736 |
| PE | YANAMAREY | 226 | 2015 | 4920 | 4950 | 0.030 | | | 693 |
| PE | YANAMAREY | 226 | 2015 | 4890 | 4920 | 0.025 | | | 131 |
| PE | YANAMAREY | 226 | 2015 | 4860 | 4890 | 0.026 | | | -764 |
| PE | YANAMAREY | 226 | 2015 | 4830 | 4860 | 0.022 | | | -1207 |
| PE | YANAMAREY | 226 | 2015 | 4800 | 4830 | 0.021 | | | -1704 |
| PE | YANAMAREY | 226 | 2015 | 4770 | 4800 | 0.021 | | | -2487 |
| PE | YANAMAREY | 226 | 2015 | 4740 | 4770 | 0.013 | | | -3217 |
| PE | YANAMAREY | 226 | 2015 | 4710 | 4740 | 0.011 | | | -3661 |
| PE | YANAMAREY | 226 | 2015 | 4700 | 4710 | 0.006 | | | -4207 |
| **RU - Russia** | | | | | | | | | |
| RU | GARABASHI | 761 | 2014 | 4600 | 5000 | | 185 | -35 | 150 |
| RU | GARABASHI | 761 | 2014 | 4500 | 4600 | | 285 | -126 | 159 |
| RU | GARABASHI | 761 | 2014 | 4400 | 4500 | | 373 | -204 | 169 |
| RU | GARABASHI | 761 | 2014 | 4300 | 4400 | | 415 | -259 | 156 |
| RU | GARABASHI | 761 | 2014 | 4200 | 4300 | | 532 | -350 | 182 |
| RU | GARABASHI | 761 | 2014 | 4100 | 4200 | | 812 | -460 | 352 |
| RU | GARABASHI | 761 | 2014 | 4000 | 4100 | | 1331 | -538 | 793 |
| RU | GARABASHI | 761 | 2014 | 3900 | 4000 | | 1553 | -1121 | 432 |
| RU | GARABASHI | 761 | 2014 | 3800 | 3900 | | 1086 | -2185 | -1099 |
| RU | GARABASHI | 761 | 2014 | 3700 | 3800 | | 992 | -2844 | -1852 |
| RU | GARABASHI | 761 | 2014 | 3600 | 3700 | | 1151 | -3534 | -2383 |
| RU | GARABASHI | 761 | 2014 | 3500 | 3600 | | 1411 | -4002 | -2591 |
| RU | GARABASHI | 761 | 2014 | 3400 | 3500 | | 1250 | -4555 | -3305 |
| RU | GARABASHI | 761 | 2014 | 3300 | 3400 | | 1004 | -5111 | -4107 |
| **SE - Sweden** | | | | | | | | | |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1780 | 1800 | 0.001 | 1070 | -1120 | -60 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1760 | 1780 | 0.005 | 1270 | -1200 | 70 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1740 | 1760 | 0.017 | 1260 | -1290 | -30 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1720 | 1740 | 0.031 | 1230 | -1380 | -160 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1700 | 1720 | 0.040 | 1220 | -1490 | -260 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1680 | 1700 | 0.104 | 1210 | -1590 | -380 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1660 | 1680 | 0.206 | 1170 | -1680 | -510 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1640 | 1660 | 0.193 | 1100 | -1780 | -680 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1620 | 1640 | 0.314 | 1010 | -1880 | -870 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1600 | 1620 | 0.323 | 890 | -1970 | -1090 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1580 | 1600 | 0.190 | 800 | -2070 | -1270 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1560 | 1580 | 0.228 | 710 | -2180 | -1470 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1540 | 1560 | 0.346 | 620 | -2280 | -1660 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1520 | 1540 | 0.367 | 510 | -2370 | -1860 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1500 | 1520 | 0.186 | 740 | -2470 | -1730 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1480 | 1500 | 0.196 | 800 | -2570 | -1780 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1460 | 1480 | 0.253 | 900 | -2670 | -1780 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1440 | 1460 | 0.217 | 1120 | -2760 | -1640 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1420 | 1440 | 0.159 | 1230 | -2870 | -1640 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1400 | 1420 | 0.150 | 1400 | -2970 | -1570 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1380 | 1400 | 0.147 | 1570 | -3070 | -1500 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1360 | 1380 | 0.143 | 1600 | -3160 | -1560 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1340 | 1360 | 0.098 | 1610 | -3260 | -1650 |
| SE | MARMAGLACIAEREN | 1461 | 2014 | 1320 | 1340 | 0.051 | 1570 | -3340 | -1760 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1780 | 1800 | 0.001 | 1620 | -980 | 640 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1760 | 1780 | 0.005 | 1950 | -1000 | 950 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1740 | 1760 | 0.017 | 2050 | -1030 | 1010 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1720 | 1740 | 0.031 | 1990 | -1060 | 930 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1700 | 1720 | 0.040 | 1940 | -1090 | 850 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1680 | 1700 | 0.104 | 1900 | -1130 | 770 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1660 | 1680 | 0.206 | 1880 | -1160 | 730 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1640 | 1660 | 0.193 | 1730 | -1190 | 540 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1620 | 1640 | 0.314 | 1530 | -1220 | 320 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1600 | 1620 | 0.323 | 1350 | -1250 | 110 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1580 | 1600 | 0.190 | 1330 | 1280 | 50 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1560 | 1580 | 0.228 | 1110 | -1310 | -200 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1540 | 1560 | 0.346 | 1090 | -1340 | -250 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1520 | 1540 | 0.367 | 1080 | -1370 | -280 |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1500 | 1520 | 0.186 | 1140 | -1400 | -260 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1480 | 1500 | 0.196 | 1080 | -1430 | -360 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1460 | 1480 | 0.253 | 1130 | -1460 | -330 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1440 | 1460 | 0.217 | 1340 | -1490 | -150 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1420 | 1440 | 0.159 | 1500 | -1520 | -20 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1400 | 1420 | 0.150 | 1580 | -1550 | 20 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1380 | 1400 | 0.147 | 1610 | -1590 | 30 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1360 | 1380 | 0.143 | 1620 | -1620 | 0 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1340 | 1360 | 0.098 | 1630 | -1650 | -10 |
| SE | MARMAGLACIAEREN | 1461 | 2015 | 1320 | 1340 | 0.051 | 1630 | -1670 | -40 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1920 | 1940 | 0.001 | 1220 | 500 | 1720 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1900 | 1920 | 0.003 | 1210 | 450 | 1660 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1880 | 1900 | 0.004 | 1190 | 390 | 1580 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1860 | 1880 | 0.004 | 1190 | 330 | 1520 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1840 | 1860 | 0.004 | 1190 | 270 | 1460 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1820 | 1840 | 0.004 | 1180 | 210 | 1390 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1800 | 1820 | 0.005 | 1200 | 150 | 1350 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1780 | 1800 | 0.006 | 1260 | 90 | 1350 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1760 | 1780 | 0.008 | 1300 | 30 | 1330 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1740 | 1760 | 0.013 | 1270 | -30 | 1240 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1720 | 1740 | 0.018 | 1240 | -90 | 1140 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1700 | 1720 | 0.022 | 1240 | -150 | 1080 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1680 | 1700 | 0.026 | 1220 | -210 | 1010 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1660 | 1680 | 0.030 | 1200 | -270 | 930 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1640 | 1660 | 0.038 | 1200 | -330 | 860 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1620 | 1640 | 0.043 | 1190 | -390 | 800 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1600 | 1620 | 0.052 | 1180 | -450 | 730 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1580 | 1600 | 0.055 | 1200 | -520 | 680 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1560 | 1580 | 0.073 | 1190 | -580 | 620 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1540 | 1560 | 0.083 | 1270 | -640 | 630 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1520 | 1540 | 0.135 | 1310 | -700 | 620 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1500 | 1520 | 0.157 | 1290 | -760 | 540 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1480 | 1500 | 0.214 | 1170 | -820 | 350 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1460 | 1480 | 0.182 | 1060 | -880 | 180 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1440 | 1460 | 0.125 | 1000 | -940 | 60 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1420 | 1440 | 0.110 | 1030 | -1000 | 30 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1400 | 1420 | 0.104 | 1100 | -1060 | 40 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1380 | 1400 | 0.126 | 1170 | -1120 | 40 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1360 | 1380 | 0.260 | 1180 | 1180 | 0 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1340 | 1360 | 0.247 | 1070 | -1240 | -170 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1320 | 1340 | 0.177 | 1020 | -1300 | -280 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1300 | 1320 | 0.141 | 1060 | -1360 | -300 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1280 | 1300 | 0.149 | 1100 | -1420 | -330 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1260 | 1280 | 0.226 | 1070 | -1480 | -420 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1240 | 1260 | 0.186 | 1010 | -1540 | -530 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1220 | 1240 | 0.179 | 1070 | -1600 | -530 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1200 | 1220 | 0.141 | 960 | -1660 | -710 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1180 | 1200 | 0.096 | 810 | -1720 | -920 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1160 | 1180 | 0.073 | 770 | -1780 | -1010 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1140 | 1160 | 0.062 | 890 | -2 | -950 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1120 | 1140 | 0.046 | 1100 | -1900 | -810 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1100 | 1120 | 0.031 | 1240 | -1960 | -720 |
| SE | RABOTS GLACIAER | 334 | 2015 | 1080 | 1100 | 0.014 | 1310 | -2010 | -710 |
| SE | RIUKOJIETNA | 342 | 2015 | 1420 | 1440 | 0.526 | 1270 | -1130 | 140 |
| SE | RIUKOJIETNA | 342 | 2015 | 1400 | 1420 | 0.315 | 1390 | -1190 | 200 |
| SE | RIUKOJIETNA | 342 | 2015 | 1380 | 1400 | 0.292 | 1420 | -1260 | 160 |
| SE | RIUKOJIETNA | 342 | 2015 | 1360 | 1380 | 0.284 | 1430 | -1320 | 110 |
| SE | RIUKOJIETNA | 342 | 2015 | 1340 | 1360 | 0.271 | 1430 | -1390 | 40 |
| SE | RIUKOJIETNA | 342 | 2015 | 1320 | 1340 | 0.297 | 1390 | -1460 | -70 |
| SE | RIUKOJIETNA | 342 | 2015 | 1300 | 1320 | 0.288 | 1450 | -1520 | -70 |
| SE | RIUKOJIETNA | 342 | 2015 | 1280 | 1300 | 0.222 | 1490 | -1590 | -100 |
| SE | RIUKOJIETNA | 342 | 2015 | 1260 | 1280 | 0.147 | 1510 | -1650 | -140 |
| SE | RIUKOJIETNA | 342 | 2015 | 1240 | 1260 | 0.077 | 1530 | -1720 | -180 |
| SE | RIUKOJIETNA | 342 | 2015 | 1220 | 1240 | 0.032 | 1560 | -1780 | -220 |
| SE | RIUKOJIETNA | 342 | 2015 | 1200 | 1220 | 0.019 | 1610 | -1850 | -240 |
| SE | RIUKOJIETNA | 342 | 2015 | 1180 | 1200 | 0.016 | 1660 | -1920 | -260 |
| SE | RIUKOJIETNA | 342 | 2015 | 1160 | 1180 | 0.005 | 1690 | -1970 | -280 |
| SE | STORGLACIAEREN | 332 | 2014 | 1840 | 1860 | 0.001 | 3920 | -1120 | 2800 |
| SE | STORGLACIAEREN | 332 | 2014 | 1820 | 1840 | 0.001 | 3910 | -1120 | 2790 |
| SE | STORGLACIAEREN | 332 | 2014 | 1800 | 1820 | 0.003 | 3770 | -1180 | 2590 |
| SE | STORGLACIAEREN | 332 | 2014 | 1780 | 1800 | 0.006 | 3740 | -1190 | 2540 |
| SE | STORGLACIAEREN | 332 | 2014 | 1760 | 1780 | 0.007 | 3620 | -1200 | 2420 |
| SE | STORGLACIAEREN | 332 | 2014 | 1740 | 1760 | 0.008 | 3630 | -1190 | 2440 |
| SE | STORGLACIAEREN | 332 | 2014 | 1720 | 1740 | 0.011 | 3620 | -1180 | 2440 |
| SE | STORGLACIAEREN | 332 | 2014 | 1700 | 1720 | 0.031 | 2960 | -1460 | 1510 |
| SE | STORGLACIAEREN | 332 | 2014 | 1680 | 1700 | 0.052 | 2820 | -1530 | 1290 |
| SE | STORGLACIAEREN | 332 | 2014 | 1660 | 1680 | 0.070 | 2790 | -1490 | 1290 |
| SE | STORGLACIAEREN | 332 | 2014 | 1640 | 1660 | 0.100 | 2930 | -1400 | 1530 |
| SE | STORGLACIAEREN | 332 | 2014 | 1620 | 1640 | 0.147 | 2900 | -1340 | 1560 |
| SE | STORGLACIAEREN | 332 | 2014 | 1600 | 1620 | 0.128 | 2510 | -1310 | 1200 |
| SE | STORGLACIAEREN | 332 | 2014 | 1580 | 1600 | 0.114 | 2060 | -1390 | 670 |
| SE | STORGLACIAEREN | 332 | 2014 | 1560 | 1580 | 0.118 | 1740 | -1560 | 190 |
| SE | STORGLACIAEREN | 332 | 2014 | 1540 | 1560 | 0.094 | 1660 | -1770 | -110 |
| SE | STORGLACIAEREN | 332 | 2014 | 1520 | 1540 | 0.089 | 1690 | -1870 | -180 |
| SE | STORGLACIAEREN | 332 | 2014 | 1500 | 1520 | 0.170 | 1860 | -1780 | 80 |
| SE | STORGLACIAEREN | 332 | 2014 | 1480 | 1500 | 0.181 | 1610 | -1910 | -310 |
| SE | STORGLACIAEREN | 332 | 2014 | 1460 | 1480 | 0.097 | 1190 | -2440 | -1250 |
| SE | STORGLACIAEREN | 332 | 2014 | 1440 | 1460 | 0.057 | 1380 | -2640 | -1260 |
| SE | STORGLACIAEREN | 332 | 2014 | 1420 | 1440 | 0.051 | 1480 | -2760 | -1280 |
| SE | STORGLACIAEREN | 332 | 2014 | 1400 | 1420 | 0.096 | 1330 | -2830 | -1490 |
| SE | STORGLACIAEREN | 332 | 2014 | 1380 | 1400 | 0.168 | 1080 | -2900 | -1810 |
| SE | STORGLACIAEREN | 332 | 2014 | 1360 | 1380 | 0.284 | 870 | -2840 | -1970 |
| SE | STORGLACIAEREN | 332 | 2014 | 1340 | 1360 | 0.277 | 720 | -3020 | -2290 |
| SE | STORGLACIAEREN | 332 | 2014 | 1320 | 1340 | 0.143 | 690 | -3260 | -2570 |
| SE | STORGLACIAEREN | 332 | 2014 | 1300 | 1320 | 0.086 | 820 | -3440 | -2630 |
| SE | STORGLACIAEREN | 332 | 2014 | 1280 | 1300 | 0.073 | 770 | -3440 | -2670 |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| SE | STORGLACIAEREN | 332 | 2014 | 1260 | 1280 | 0.074 | 560 | -3640 | -3080 |
| SE | STORGLACIAEREN | 332 | 2014 | 1240 | 1260 | 0.060 | 770 | -3870 | -3100 |
| SE | STORGLACIAEREN | 332 | 2014 | 1220 | 1240 | 0.046 | 920 | -3800 | -2880 |
| SE | STORGLACIAEREN | 332 | 2014 | 1200 | 1220 | 0.033 | 850 | -3970 | -3110 |
| SE | STORGLACIAEREN | 332 | 2014 | 1180 | 1200 | 0.017 | 780 | -4080 | -3310 |
| SE | STORGLACIAEREN | 332 | 2014 | 1160 | 1180 | 0.008 | 780 | -4150 | -3370 |
| SE | STORGLACIAEREN | 332 | 2014 | 1140 | 1160 | 0.004 | 720 | -4120 | -3400 |
| SE | STORGLACIAEREN | 332 | 2015 | 1840 | 1860 | 0.001 | 2630 | -100 | 2530 |
| SE | STORGLACIAEREN | 332 | 2015 | 1820 | 1840 | 0.001 | 2620 | -100 | 2510 |
| SE | STORGLACIAEREN | 332 | 2015 | 1800 | 1820 | 0.003 | 2470 | -140 | 2330 |
| SE | STORGLACIAEREN | 332 | 2015 | 1780 | 1800 | 0.006 | 2430 | -140 | 2290 |
| SE | STORGLACIAEREN | 332 | 2015 | 1760 | 1780 | 0.007 | 2350 | -130 | 2220 |
| SE | STORGLACIAEREN | 332 | 2015 | 1740 | 1760 | 0.008 | 2340 | -130 | 2210 |
| SE | STORGLACIAEREN | 332 | 2015 | 1720 | 1740 | 0.011 | 2300 | -130 | 2170 |
| SE | STORGLACIAEREN | 332 | 2015 | 1700 | 1720 | 0.031 | 1960 | -180 | 1770 |
| SE | STORGLACIAEREN | 332 | 2015 | 1680 | 1700 | 0.052 | 1870 | -220 | 1660 |
| SE | STORGLACIAEREN | 332 | 2015 | 1660 | 1680 | 0.070 | 1840 | -240 | 1600 |
| SE | STORGLACIAEREN | 332 | 2015 | 1640 | 1660 | 0.100 | 1930 | -250 | 1680 |
| SE | STORGLACIAEREN | 332 | 2015 | 1620 | 1640 | 0.147 | 1930 | -240 | 1680 |
| SE | STORGLACIAEREN | 332 | 2015 | 1600 | 1620 | 0.128 | 1870 | -240 | 1630 |
| SE | STORGLACIAEREN | 332 | 2015 | 1580 | 1600 | 0.114 | 1830 | -280 | 1550 |
| SE | STORGLACIAEREN | 332 | 2015 | 1560 | 1580 | 0.118 | 1710 | -430 | 1280 |
| SE | STORGLACIAEREN | 332 | 2015 | 1540 | 1560 | 0.094 | 1620 | -470 | 1150 |
| SE | STORGLACIAEREN | 332 | 2015 | 1520 | 1540 | 0.089 | 1670 | -470 | 1200 |
| SE | STORGLACIAEREN | 332 | 2015 | 1500 | 1520 | 0.170 | 1870 | -420 | 1450 |
| SE | STORGLACIAEREN | 332 | 2015 | 1480 | 1500 | 0.181 | 1690 | -590 | 1100 |
| SE | STORGLACIAEREN | 332 | 2015 | 1460 | 1480 | 0.097 | 1320 | -880 | 440 |
| SE | STORGLACIAEREN | 332 | 2015 | 1440 | 1460 | 0.057 | 1370 | -980 | 390 |
| SE | STORGLACIAEREN | 332 | 2015 | 1420 | 1440 | 0.051 | 1590 | -1010 | 580 |
| SE | STORGLACIAEREN | 332 | 2015 | 1400 | 1420 | 0.096 | 1460 | -1010 | 450 |
| SE | STORGLACIAEREN | 332 | 2015 | 1380 | 1400 | 0.168 | 1270 | -1050 | 220 |
| SE | STORGLACIAEREN | 332 | 2015 | 1360 | 1380 | 0.284 | 1090 | -1070 | 20 |
| SE | STORGLACIAEREN | 332 | 2015 | 1340 | 1360 | 0.277 | 1000 | -1190 | -190 |
| SE | STORGLACIAEREN | 332 | 2015 | 1320 | 1340 | 0.143 | 1000 | -1240 | -240 |
| SE | STORGLACIAEREN | 332 | 2015 | 1300 | 1320 | 0.086 | 1110 | -1250 | -140 |
| SE | STORGLACIAEREN | 332 | 2015 | 1280 | 1300 | 0.073 | 1150 | -1330 | -180 |
| SE | STORGLACIAEREN | 332 | 2015 | 1260 | 1280 | 0.074 | 870 | -1520 | -650 |
| SE | STORGLACIAEREN | 332 | 2015 | 1240 | 1260 | 0.060 | 1120 | -1720 | -600 |
| SE | STORGLACIAEREN | 332 | 2015 | 1220 | 1240 | 0.046 | 1280 | -1710 | -430 |
| SE | STORGLACIAEREN | 332 | 2015 | 1200 | 1220 | 0.033 | 1310 | -1920 | -610 |
| SE | STORGLACIAEREN | 332 | 2015 | 1180 | 1200 | 0.017 | 1460 | -2010 | -550 |
| SE | STORGLACIAEREN | 332 | 2015 | 1160 | 1180 | 0.008 | 1230 | -2000 | -770 |
| SE | STORGLACIAEREN | 332 | 2015 | 1140 | 1160 | 0.004 | 1550 | -1970 | -420 |
| SE | TARFALAGLACIAEREN | 326 | 2015 | 1780 | 1800 | 0.001 | 360 | -360 | 0 |
| SE | TARFALAGLACIAEREN | 326 | 2015 | 1760 | 1780 | 0.008 | 380 | -380 | 0 |
| SE | TARFALAGLACIAEREN | 326 | 2015 | 1740 | 1760 | 0.004 | 610 | -430 | 190 |
| SE | TARFALAGLACIAEREN | 326 | 2015 | 1720 | 1740 | 0.018 | 980 | -470 | 500 |
| SE | TARFALAGLACIAEREN | 326 | 2015 | 1700 | 1720 | 0.026 | 1260 | -520 | 740 |
| SE | TARFALAGLACIAEREN | 326 | 2015 | 1680 | 1700 | 0.027 | 1420 | -560 | 860 |
| SE | TARFALAGLACIAEREN | 326 | 2015 | 1660 | 1680 | 0.031 | 1470 | -600 | 870 |
| SE | TARFALAGLACIAEREN | 326 | 2015 | 1640 | 1660 | 0.036 | 1540 | -650 | 890 |
| SE | TARFALAGLACIAEREN | 326 | 2015 | 1620 | 1640 | 0.044 | 1680 | -690 | 980 |
| SE | TARFALAGLACIAEREN | 326 | 2015 | 1600 | 1620 | 0.064 | 1750 | -740 | 1010 |
| SE | TARFALAGLACIAEREN | 326 | 2015 | 1580 | 1600 | 0.055 | 1760 | -780 | 980 |
| SE | TARFALAGLACIAEREN | 326 | 2015 | 1560 | 1580 | 0.067 | 1710 | -820 | 890 |
| SE | TARFALAGLACIAEREN | 326 | 2015 | 1540 | 1560 | 0.062 | 1630 | -870 | 760 |
| SE | TARFALAGLACIAEREN | 326 | 2015 | 1520 | 1540 | 0.074 | 1610 | -910 | 690 |
| SE | TARFALAGLACIAEREN | 326 | 2015 | 1500 | 1520 | 0.082 | 1460 | -960 | 500 |
| SE | TARFALAGLACIAEREN | 326 | 2015 | 1480 | 1500 | 0.086 | 1470 | -1000 | 470 |
| SE | TARFALAGLACIAEREN | 326 | 2015 | 1460 | 1480 | 0.085 | 1390 | -1050 | 340 |
| SE | TARFALAGLACIAEREN | 326 | 2015 | 1440 | 1460 | 0.080 | 1380 | -1090 | 290 |
| SE | TARFALAGLACIAEREN | 326 | 2015 | 1420 | 1440 | 0.082 | 1490 | -1130 | 350 |
| SE | TARFALAGLACIAEREN | 326 | 2015 | 1400 | 1420 | 0.064 | 1520 | -1180 | 350 |
| SE | TARFALAGLACIAEREN | 326 | 2015 | 1380 | 1400 | 0.010 | 1550 | -1210 | 340 |
| **SJ - Svalbard** | | | | | | | | | |
| SJ | HANSBREEN | 306 | 2014 | 450 | 500 | 6.71 | 1170 | -780 | 390 |
| SJ | HANSBREEN | 306 | 2014 | 400 | 450 | 7.39 | 1250 | -520 | 730 |
| SJ | HANSBREEN | 306 | 2014 | 350 | 400 | 8.103 | 1120 | -1080 | 40 |
| SJ | HANSBREEN | 306 | 2014 | 300 | 350 | 8.555 | 940 | -900 | 40 |
| SJ | HANSBREEN | 306 | 2014 | 250 | 300 | 8.25 | 830 | -1110 | -330 |
| SJ | HANSBREEN | 306 | 2014 | 200 | 250 | 6.578 | 740 | -1640 | -900 |
| SJ | HANSBREEN | 306 | 2014 | 150 | 200 | 5.125 | 730 | -1930 | -1200 |
| SJ | HANSBREEN | 306 | 2014 | 100 | 150 | 3.817 | 570 | -2040 | -1470 |
| SJ | HANSBREEN | 306 | 2014 | 0 | 100 | 2.215 | 320 | -2850 | -2530 |
| SJ | HANSBREEN | 306 | 2015 | 450 | 500 | 6.71 | 1494 | -1005 | 489 |
| SJ | HANSBREEN | 306 | 2015 | 400 | 450 | 7.39 | 1384 | -736 | 648 |
| SJ | HANSBREEN | 306 | 2015 | 350 | 400 | 8.103 | 1240 | -952 | 288 |
| SJ | HANSBREEN | 306 | 2015 | 300 | 350 | 8.555 | 1040 | -1088 | -48 |
| SJ | HANSBREEN | 306 | 2015 | 250 | 300 | 8.25 | 820 | -1563 | -743 |
| SJ | HANSBREEN | 306 | 2015 | 200 | 250 | 6.578 | 660 | -1749 | -1089 |
| SJ | HANSBREEN | 306 | 2015 | 150 | 200 | 5.125 | 660 | -1992 | -1332 |
| SJ | HANSBREEN | 306 | 2015 | 100 | 150 | 3.817 | 388 | -2575 | -2187 |
| SJ | HANSBREEN | 306 | 2015 | 0 | 100 | 2.215 | 330 | -2571 | -2241 |
| SJ | WERENSKIOLDBREEN | 305 | 2014 | 600 | 750 | 0.757 | 1693 | -142 | 1552 |
| SJ | WERENSKIOLDBREEN | 305 | 2014 | 500 | 600 | 3.564 | 1563 | -432 | 1132 |
| SJ | WERENSKIOLDBREEN | 305 | 2014 | 400 | 500 | 7.385 | 1433 | -722 | 712 |
| SJ | WERENSKIOLDBREEN | 305 | 2014 | 300 | 400 | 7.658 | 1303 | -1012 | 292 |
| SJ | WERENSKIOLDBREEN | 305 | 2014 | 200 | 300 | 4.243 | 1173 | -1302 | -128 |
| SJ | WERENSKIOLDBREEN | 305 | 2014 | 100 | 200 | 2.610 | 1043 | -1592 | -548 |
| SJ | WERENSKIOLDBREEN | 305 | 2014 | 0 | 100 | 0.895 | 913 | -1882 | -968 |
| SJ | WERENSKIOLDBREEN | 305 | 2015 | 600 | 750 | 0.757 | 1508 | -742 | 766 |
| SJ | WERENSKIOLDBREEN | 305 | 2015 | 500 | 600 | 3.564 | 1288 | -1042 | 246 |
| SJ | WERENSKIOLDBREEN | 305 | 2015 | 400 | 500 | 7.385 | 1068 | -1342 | -274 |
| SJ | WERENSKIOLDBREEN | 305 | 2015 | 300 | 400 | 7.658 | 848 | -1642 | -794 |
| SJ | WERENSKIOLDBREEN | 305 | 2015 | 200 | 300 | 4.243 | 628 | -1942 | -1314 |

| PU | GLACIER_NAME | WGMS_ID | YEAR | ELEV_FROM | ELEV_TO | AREA | BW | BS | BA |
|---|---|---|---|---|---|---|---|---|---|
| SJ | WERENSKIOLDBREEN | 305 | 2015 | 100 | 200 | 2.610 | 408 | -2242 | -1834 |
| SJ | WERENSKIOLDBREEN | 305 | 2015 | 0 | 100 | 0.895 | 188 | -2542 | -2354 |
| **US - United States of America** | | | | | | | | | |
| US | COLUMBIA (2057) | 76 | 2014 | 1700 | 1800 | 0.05 | | | 1000 |
| US | COLUMBIA (2057) | 76 | 2014 | 1650 | 1700 | 0.13 | | | 600 |
| US | COLUMBIA (2057) | 76 | 2014 | 1600 | 1650 | 0.28 | | | 100 |
| US | COLUMBIA (2057) | 76 | 2014 | 1550 | 1600 | 0.19 | | | -1400 |
| US | COLUMBIA (2057) | 76 | 2014 | 1500 | 1550 | 0.13 | | | -2300 |
| US | COLUMBIA (2057) | 76 | 2014 | 1450 | 1500 | 0.06 | | | -4100 |
| US | COLUMBIA (2057) | 76 | 2015 | 1700 | 1800 | 0.04 | | | -2600 |
| US | COLUMBIA (2057) | 76 | 2015 | 1650 | 1700 | 0.13 | | | -2800 |
| US | COLUMBIA (2057) | 76 | 2015 | 1600 | 1650 | 0.28 | | | -3100 |
| US | COLUMBIA (2057) | 76 | 2015 | 1550 | 1600 | 0.19 | | | -3700 |
| US | COLUMBIA (2057) | 76 | 2015 | 1500 | 1550 | 0.13 | | | -4300 |
| US | COLUMBIA (2057) | 76 | 2015 | 1450 | 1500 | 0.05 | | | -5100 |
| US | LEMON CREEK | 3334 | 2014 | 1200 | 1250 | 2.1 | | | 0 |
| US | LEMON CREEK | 3334 | 2014 | 1150 | 1200 | 2.3 | | | -200 |
| US | LEMON CREEK | 3334 | 2014 | 1100 | 1150 | 1.2 | | | -700 |
| US | LEMON CREEK | 3334 | 2014 | 1050 | 1100 | 1.6 | | | -1500 |
| US | LEMON CREEK | 3334 | 2014 | 1000 | 1050 | 1.2 | | | -2500 |
| US | LEMON CREEK | 3334 | 2014 | 950 | 1000 | 0.7 | | | -3500 |
| US | LEMON CREEK | 3334 | 2014 | 900 | 950 | 0.8 | | | -4000 |
| US | LEMON CREEK | 3334 | 2014 | 850 | 900 | 1 | | | -5000 |
| US | LEMON CREEK | 3334 | 2014 | 750 | 850 | 0.7 | | | -5500 |
| US | LEMON CREEK | 3334 | 2015 | 1200 | 1250 | 2.1 | | | -600 |
| US | LEMON CREEK | 3334 | 2015 | 1150 | 1200 | 2.3 | | | -900 |
| US | LEMON CREEK | 3334 | 2015 | 1100 | 1150 | 1.2 | | | -1100 |
| US | LEMON CREEK | 3334 | 2015 | 1050 | 1100 | 1.6 | | | -2100 |
| US | LEMON CREEK | 3334 | 2015 | 1000 | 1050 | 1.2 | | | -3000 |
| US | LEMON CREEK | 3334 | 2015 | 950 | 1000 | 0.7 | | | -3800 |
| US | LEMON CREEK | 3334 | 2015 | 900 | 950 | 0.8 | | | -4500 |
| US | LEMON CREEK | 3334 | 2015 | 850 | 900 | 1 | | | -5000 |
| US | LEMON CREEK | 3334 | 2015 | 750 | 850 | 0.7 | | | -5500 |

## APPENDIX - Table 5

MASS BALANCE POINT DATA 2014–2015

| | |
|---|---|
| PU | Political unit, alphabetic 2-digit country code (cf. www.iso.org) |
| GLACIER NAME | Name of the glacier in capital letters, cf. Appendix Table 1 |
| WGMS ID | Key identifier of the glacier, cf. Appendix Table 1 |
| FROM | Starting date measurements in format YYYYMMDD* |
| TO | Ending date measurements in format YYYYMMDD* |
| POINT_ID | Key identifier of the measurement point |
| LAT | Latitude of measurement point in decimal degrees north (positive) or south (negative) |
| LON | Longitude of measurement point in decimal degrees east (positive) or west (negative) |
| ELEV | Elevation of the measurement point in metres above sea level |
| MB | Surface mass balance in mm water equivalent |
| MB_CODE | BW = Winter balance in mm water equivalent |
| | BS = Summer balance in mm water equivalent |
| | BA = Annual balance in mm water equivalent |
| | IN = Balance at index point |

*Unknown month or day are each replaced by „99“

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| **AQ - Antarctica** | | | | | | | | | | |
| AQ | BAHIA DEL DIABLO | 2665 | 20140301 | 20150228 | 21 | | | 637 | 100 | BA |
| AQ | BAHIA DEL DIABLO | 2665 | 20140301 | 20150228 | 19 | | | 588 | 400 | BA |
| AQ | BAHIA DEL DIABLO | 2665 | 20140301 | 20150228 | 20 | | | 553 | 420 | BA |
| AQ | BAHIA DEL DIABLO | 2665 | 20140301 | 20150228 | 18 | | | 551 | 490 | BA |
| AQ | BAHIA DEL DIABLO | 2665 | 20140301 | 20150228 | 22 | | | 519 | 320 | BA |
| AQ | BAHIA DEL DIABLO | 2665 | 20140301 | 20150228 | 17 | | | 515 | 470 | BA |
| AQ | BAHIA DEL DIABLO | 2665 | 20140301 | 20150228 | 16 | | | 505 | 360 | BA |
| AQ | BAHIA DEL DIABLO | 2665 | 20140301 | 20150228 | 14 | | | 464 | 550 | BA |
| AQ | BAHIA DEL DIABLO | 2665 | 20140301 | 20150228 | 13 | | | 458 | 470 | BA |
| AQ | BAHIA DEL DIABLO | 2665 | 20140301 | 20150228 | 12 | | | 456 | 720 | BA |
| AQ | BAHIA DEL DIABLO | 2665 | 20140301 | 20150228 | 15 | | | 445 | 1120 | BA |
| AQ | BAHIA DEL DIABLO | 2665 | 20140301 | 20150228 | 11 | | | 442 | 570 | BA |
| AQ | BAHIA DEL DIABLO | 2665 | 20140301 | 20150228 | 10 | | | 398 | -180 | BA |
| AQ | BAHIA DEL DIABLO | 2665 | 20140301 | 20150228 | 9 | | | 375 | -330 | BA |
| AQ | BAHIA DEL DIABLO | 2665 | 20140301 | 20150228 | 8 | | | 288 | -410 | BA |
| AQ | BAHIA DEL DIABLO | 2665 | 20140301 | 20150228 | 7 | | | 273 | -750 | BA |
| AQ | BAHIA DEL DIABLO | 2665 | 20140301 | 20150228 | 6 | | | 272 | -760 | BA |
| AQ | BAHIA DEL DIABLO | 2665 | 20140301 | 20150228 | 5 | | | 270 | -400 | BA |
| AQ | BAHIA DEL DIABLO | 2665 | 20140301 | 20150228 | 4 | | | 205 | -790 | BA |
| AQ | BAHIA DEL DIABLO | 2665 | 20140301 | 20150228 | 3 | | | 167 | -850 | BA |
| AQ | BAHIA DEL DIABLO | 2665 | 20140301 | 20150228 | 2 | | | 139 | -970 | BA |
| AQ | BAHIA DEL DIABLO | 2665 | 20140301 | 20150228 | 1 | | | 100 | -1310 | BA |
| **AR - Argentina** | | | | | | | | | | |
| AR | BROWN SUPERIOR | 3903 | 20139999 | 20149999 | S4-I-12 | | | 5118 | -1564 | BA |
| AR | BROWN SUPERIOR | 3903 | 20139999 | 20149999 | S6-12 | | | 5092 | -1148 | BA |
| AR | BROWN SUPERIOR | 3903 | 20139999 | 20149999 | S5-12 | | | 5068 | -1700 | BA |
| AR | BROWN SUPERIOR | 3903 | 20139999 | 20149999 | S8-12 | | | 5059 | 68 | BA |
| AR | BROWN SUPERIOR | 3903 | 20139999 | 20149999 | S1-11 | | | 5050 | -1590 | BA |
| AR | BROWN SUPERIOR | 3903 | 20139999 | 20149999 | S9-12 | | | 5016 | -1258 | BA |
| AR | BROWN SUPERIOR | 3903 | 20139999 | 20149999 | S2-12 | | | 5010 | -1301 | BA |
| AR | BROWN SUPERIOR | 3903 | 20139999 | 20149999 | S10-13 | | | 4997 | -1594 | BA |
| AR | BROWN SUPERIOR | 3903 | 20140424 | 20141210 | S5 | -29.985 | -69.642 | 5066 | 26 | BW |
| AR | BROWN SUPERIOR | 3903 | 20140424 | 20141211 | S4 | -29.986 | -69.643 | 5115 | -1335 | BW |
| AR | BROWN SUPERIOR | 3903 | 20140424 | 20141211 | S6 | -29.984 | -69.643 | 5091 | 73 | BW |
| AR | BROWN SUPERIOR | 3903 | 20140424 | 20150504 | S4 | -29.986 | -69.643 | 5115 | -2805 | BA |
| AR | BROWN SUPERIOR | 3903 | 20140424 | 20150505 | S6 | -29.984 | -69.643 | 5091 | -1896 | BA |
| AR | BROWN SUPERIOR | 3903 | 20140424 | 20150505 | S5 | -29.985 | -69.642 | 5066 | -2082 | BA |
| AR | BROWN SUPERIOR | 3903 | 20140425 | 20141210 | S8 | -29.982 | -69.642 | 5059 | 161 | BW |
| AR | BROWN SUPERIOR | 3903 | 20140425 | 20141210 | S1 | -29.983 | -69.642 | 5050 | 34 | BW |
| AR | BROWN SUPERIOR | 3903 | 20140425 | 20141210 | S9 | -29.983 | -69.641 | 5011 | -43 | BW |
| AR | BROWN SUPERIOR | 3903 | 20140425 | 20141210 | S2 | -29.982 | -69.640 | 5009 | -102 | BW |
| AR | BROWN SUPERIOR | 3903 | 20140425 | 20141210 | S10 | -29.981 | -69.640 | 4989 | 14 | BW |
| AR | BROWN SUPERIOR | 3903 | 20140425 | 20150503 | S1 | -29.983 | -69.642 | 5050 | -1981 | BA |
| AR | BROWN SUPERIOR | 3903 | 20140425 | 20150504 | S8 | -29.982 | -69.642 | 5059 | -1819 | BA |
| AR | BROWN SUPERIOR | 3903 | 20140425 | 20150504 | S9 | -29.983 | -69.641 | 5011 | -2368 | BA |
| AR | BROWN SUPERIOR | 3903 | 20140425 | 20150504 | S2 | -29.982 | -69.640 | 5009 | -3000 | BA |
| AR | BROWN SUPERIOR | 3903 | 20140425 | 20150504 | S10 | -29.981 | -69.640 | 4989 | -3018 | BA |
| AR | CONCONTA NORTE | 3902 | 20139999 | 20149999 | N6-12 | | | 5072 | -1989 | BA |
| AR | CONCONTA NORTE | 3902 | 20139999 | 20149999 | N7-12 | | | 5065 | -901 | BA |
| AR | CONCONTA NORTE | 3902 | 20139999 | 20149999 | N5-12 | | | 5062 | -2654 | BA |
| AR | CONCONTA NORTE | 3902 | 20139999 | 20149999 | N8-12 | | | 5052 | -1964 | BA |
| AR | CONCONTA NORTE | 3902 | 20139999 | 20149999 | N1-I-12 | | | 5038 | -2401 | BA |
| AR | CONCONTA NORTE | 3902 | 20139999 | 20149999 | N9-12 | | | 5014 | -1496 | BA |
| AR | CONCONTA NORTE | 3902 | 20139999 | 20149999 | N4-12 | | | 4958 | -1301 | BA |
| AR | CONCONTA NORTE | 3902 | 20140423 | 20141211 | N6 | -29.976 | -69.645 | 5074 | -78 | BW |
| AR | CONCONTA NORTE | 3902 | 20140423 | 20141211 | N7 | -29.977 | -69.645 | 5065 | -238 | BW |
| AR | CONCONTA NORTE | 3902 | 20140423 | 20141211 | N5 | -29.976 | -69.645 | 5057 | 82 | BW |
| AR | CONCONTA NORTE | 3902 | 20140423 | 20141212 | N8 | -29.975 | -69.645 | 5049 | -94 | BW |
| AR | CONCONTA NORTE | 3902 | 20140423 | 20141212 | N1 | -29.975 | -69.645 | 5036 | -196 | BW |
| AR | CONCONTA NORTE | 3902 | 20140423 | 20141212 | N9 | -29.974 | -69.643 | 5007 | -442 | BW |
| AR | CONCONTA NORTE | 3902 | 20140423 | 20141212 | N4 | -29.975 | -69.642 | 4954 | 55 | BW |
| AR | CONCONTA NORTE | 3902 | 20140423 | 20150506 | N6 | -29.976 | -69.645 | 5074 | -3305 | BA |
| AR | CONCONTA NORTE | 3902 | 20140423 | 20150506 | N7 | -29.977 | -69.645 | 5065 | -3341 | BA |
| AR | CONCONTA NORTE | 3902 | 20140423 | 20150506 | N5 | -29.976 | -69.645 | 5057 | -3269 | BA |
| AR | CONCONTA NORTE | 3902 | 20140423 | 20150506 | N8 | -29.975 | -69.645 | 5049 | -3197 | BA |
| AR | CONCONTA NORTE | 3902 | 20140423 | 20150506 | N1 | -29.975 | -69.645 | 5036 | -2803 | BA |
| AR | CONCONTA NORTE | 3902 | 20140423 | 20150506 | N9 | -29.974 | -69.643 | 5007 | -1852 | BA |
| AR | CONCONTA NORTE | 3902 | 20140423 | 20150506 | N4 | -29.975 | -69.642 | 4954 | -2839 | BA |
| AR | LOS AMARILLOS | 3904 | 20139999 | 20149999 | L13-12 | | | 5443 | -842 | BA |
| AR | LOS AMARILLOS | 3904 | 20139999 | 20149999 | L2-10 | | | 5360 | -961 | BA |
| AR | LOS AMARILLOS | 3904 | 20139999 | 20149999 | L1-12 | | | 5352 | -850 | BA |
| AR | LOS AMARILLOS | 3904 | 20139999 | 20149999 | L10-12 | | | 5309 | -1139 | BA |
| AR | LOS AMARILLOS | 3904 | 20139999 | 20149999 | L8-12 | | | 5278 | -876 | BA |
| AR | LOS AMARILLOS | 3904 | 20139999 | 20149999 | L9-12 | | | 5278 | -808 | BA |
| AR | LOS AMARILLOS | 3904 | 20139999 | 20149999 | L3-09 | | | 5250 | -672 | BA |
| AR | LOS AMARILLOS | 3904 | 20139999 | 20149999 | L4-II-12 | | | 5238 | -1403 | BA |
| AR | LOS AMARILLOS | 3904 | 20139999 | 20149999 | L7-12 | | | 5208 | -621 | BA |
| AR | LOS AMARILLOS | 3904 | 20139999 | 20149999 | L6-12 | | | 5198 | -519 | BA |
| AR | LOS AMARILLOS | 3904 | 20139999 | 20149999 | L5-I-12 | | | 5122 | -1097 | BA |
| AR | LOS AMARILLOS | 3904 | 20140427 | 20141219 | L13 | -29.297 | -69.998 | 5441 | -94 | BW |
| AR | LOS AMARILLOS | 3904 | 20140427 | 20141219 | L2 | -29.296 | -69.995 | 5358 | -315 | BW |
| AR | LOS AMARILLOS | 3904 | 20140427 | 20141219 | L1 | -29.298 | -69.997 | 5351 | -247 | BW |
| AR | LOS AMARILLOS | 3904 | 20140427 | 20141219 | L10 | -29.297 | -69.993 | 5306 | -213 | BW |
| AR | LOS AMARILLOS | 3904 | 20140427 | 20141219 | L8 | -29.297 | -69.991 | 5277 | -255 | BW |
| AR | LOS AMARILLOS | 3904 | 20140427 | 20141219 | L9 | -29.299 | -69.995 | 5277 | -289 | BW |
| AR | LOS AMARILLOS | 3904 | 20140427 | 20150514 | L13 | -29.297 | -69.998 | 5441 | -706 | BA |
| AR | LOS AMARILLOS | 3904 | 20140427 | 20150514 | L2 | -29.296 | -69.995 | 5358 | -1017 | BA |
| AR | LOS AMARILLOS | 3904 | 20140427 | 20150514 | L1 | -29.298 | -69.997 | 5351 | -850 | BA |
| AR | LOS AMARILLOS | 3904 | 20140427 | 20150514 | L10 | -29.297 | -69.993 | 5306 | -1293 | BA |
| AR | LOS AMARILLOS | 3904 | 20140427 | 20150514 | L9 | -29.299 | -69.995 | 5277 | -876 | BA |
| AR | LOS AMARILLOS | 3904 | 20140427 | 20150514 | L8 | -29.297 | -69.991 | 5277 | -748 | BA |
| AR | LOS AMARILLOS | 3904 | 20140428 | 20141219 | L3 | -29.299 | -69.993 | 5250 | -247 | BW |
| AR | LOS AMARILLOS | 3904 | 20140428 | 20141219 | L4 | -29.301 | -69.995 | 5236 | -391 | BW |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| AR | LOS AMARILLOS | 3904 | 20140428 | 20141219 | L7 | -29.298 | -69.990 | 5206 | -175 | BW |
| AR | LOS AMARILLOS | 3904 | 20140428 | 20141219 | L6 | -29.299 | -69.991 | 5198 | -175 | BW |
| AR | LOS AMARILLOS | 3904 | 20140428 | 20141219 | L5 | -29.300 | -69.988 | 5120 | -26 | BW |
| AR | LOS AMARILLOS | 3904 | 20140428 | 20150514 | L3 | -29.299 | -69.993 | 5250 | -666 | BA |
| AR | LOS AMARILLOS | 3904 | 20140428 | 20150514 | L4 | -29.301 | -69.995 | 5236 | -1471 | BA |
| AR | LOS AMARILLOS | 3904 | 20140428 | 20150514 | L7 | -29.298 | -69.990 | 5206 | -783 | BA |
| AR | LOS AMARILLOS | 3904 | 20140428 | 20150514 | L6 | -29.299 | -69.991 | 5198 | -783 | BA |
| AR | LOS AMARILLOS | 3904 | 20140428 | 20150514 | L5 | -29.300 | -69.988 | 5120 | -904 | BA |
| AR | MARTIAL ESTE | 2000 | 20130331 | 20131105 | 11 | -54.781 | -68.405 | 1113 | 848 | BW |
| AR | MARTIAL ESTE | 2000 | 20130331 | 20131105 | 7 | -54.781 | -68.404 | 1096 | 1059 | BW |
| AR | MARTIAL ESTE | 2000 | 20130331 | 20131105 | 6 | -54.781 | -68.405 | 1092 | 1104 | BW |
| AR | MARTIAL ESTE | 2000 | 20130331 | 20131105 | 5 | -54.782 | -68.405 | 1090 | 1220 | BW |
| AR | MARTIAL ESTE | 2000 | 20130331 | 20131105 | 9 | -54.781 | -68.403 | 1077 | 1158 | BW |
| AR | MARTIAL ESTE | 2000 | 20130331 | 20131105 | 10 | -54.781 | -68.402 | 1072 | 990 | BW |
| AR | MARTIAL ESTE | 2000 | 20130331 | 20131105 | 4 | -54.782 | -68.404 | 1065 | 1197 | BW |
| AR | MARTIAL ESTE | 2000 | 20130331 | 20131105 | 8 | -54.781 | -68.403 | 1065 | 1030 | BW |
| AR | MARTIAL ESTE | 2000 | 20130331 | 20131105 | 1 | -54.781 | -68.402 | 1033 | 1326 | BW |
| AR | MARTIAL ESTE | 2000 | 20130331 | 20131105 | 3 | -54.782 | -68.403 | 1029 | 1079 | BW |
| AR | MARTIAL ESTE | 2000 | 20130331 | 20131105 | 2 | -54.782 | -68.402 | 1025 | 403 | BW |
| AR | MARTIAL ESTE | 2000 | 20130331 | 20140404 | 11 | -54.781 | -68.405 | 1113 | 660 | BA |
| AR | MARTIAL ESTE | 2000 | 20130331 | 20140404 | 7 | -54.781 | -68.404 | 1096 | 935 | BA |
| AR | MARTIAL ESTE | 2000 | 20130331 | 20140404 | 6 | -54.781 | -68.405 | 1092 | 1150 | BA |
| AR | MARTIAL ESTE | 2000 | 20130331 | 20140404 | 5 | -54.782 | -68.405 | 1090 | 1242 | BA |
| AR | MARTIAL ESTE | 2000 | 20130331 | 20140404 | 9 | -54.781 | -68.403 | 1077 | 906 | BA |
| AR | MARTIAL ESTE | 2000 | 20130331 | 20140404 | 10 | -54.781 | -68.402 | 1072 | 655 | BA |
| AR | MARTIAL ESTE | 2000 | 20130331 | 20140404 | 8 | -54.781 | -68.403 | 1065 | 837 | BA |
| AR | MARTIAL ESTE | 2000 | 20130331 | 20140404 | 4 | -54.782 | -68.404 | 1065 | 1058 | BA |
| AR | MARTIAL ESTE | 2000 | 20130331 | 20140404 | 1 | -54.781 | -68.402 | 1033 | 780 | BA |
| AR | MARTIAL ESTE | 2000 | 20130331 | 20140404 | 3 | -54.782 | -68.403 | 1029 | 354 | BA |
| AR | MARTIAL ESTE | 2000 | 20130331 | 20140404 | 2 | -54.782 | -68.402 | 1025 | -765 | BA |
| AR | MARTIAL ESTE | 2000 | 20131105 | 20140404 | 11 | -54.781 | -68.405 | 1113 | -188 | BS |
| AR | MARTIAL ESTE | 2000 | 20131105 | 20140404 | 7 | -54.781 | -68.404 | 1096 | -124 | BS |
| AR | MARTIAL ESTE | 2000 | 20131105 | 20140404 | 6 | -54.781 | -68.405 | 1092 | 46 | BS |
| AR | MARTIAL ESTE | 2000 | 20131105 | 20140404 | 5 | -54.782 | -68.405 | 1090 | 22 | BS |
| AR | MARTIAL ESTE | 2000 | 20131105 | 20140404 | 9 | -54.781 | -68.403 | 1077 | -252 | BS |
| AR | MARTIAL ESTE | 2000 | 20131105 | 20140404 | 10 | -54.781 | -68.402 | 1072 | -335 | BS |
| AR | MARTIAL ESTE | 2000 | 20131105 | 20140404 | 4 | -54.782 | -68.404 | 1065 | -139 | BS |
| AR | MARTIAL ESTE | 2000 | 20131105 | 20140404 | 8 | -54.781 | -68.403 | 1065 | -193 | BS |
| AR | MARTIAL ESTE | 2000 | 20131105 | 20140404 | 1 | -54.781 | -68.402 | 1033 | -546 | BS |
| AR | MARTIAL ESTE | 2000 | 20131105 | 20140404 | 3 | -54.782 | -68.403 | 1029 | -725 | BS |
| AR | MARTIAL ESTE | 2000 | 20131105 | 20140404 | 2 | -54.782 | -68.402 | 1025 | -1168 | BS |
| AR | MARTIAL ESTE | 2000 | 20140404 | 20141101 | 11 | -54.781 | -68.405 | 1112 | 780 | BW |
| AR | MARTIAL ESTE | 2000 | 20140404 | 20141101 | 7 | -54.781 | -68.404 | 1096 | 877 | BW |
| AR | MARTIAL ESTE | 2000 | 20140404 | 20141101 | 6 | -54.781 | -68.405 | 1092 | 1019 | BW |
| AR | MARTIAL ESTE | 2000 | 20140404 | 20141101 | 5 | -54.782 | -68.405 | 1090 | 1111 | BW |
| AR | MARTIAL ESTE | 2000 | 20140404 | 20141101 | 9 | -54.781 | -68.403 | 1077 | 755 | BW |
| AR | MARTIAL ESTE | 2000 | 20140404 | 20141101 | 10 | -54.781 | -68.402 | 1072 | 835 | BW |
| AR | MARTIAL ESTE | 2000 | 20140404 | 20141101 | 8 | -54.781 | -68.403 | 1065 | 993 | BW |
| AR | MARTIAL ESTE | 2000 | 20140404 | 20141101 | 4 | -54.782 | -68.404 | 1065 | 892 | BW |
| AR | MARTIAL ESTE | 2000 | 20140404 | 20141101 | 1 | -54.781 | -68.402 | 1033 | 626 | BW |
| AR | MARTIAL ESTE | 2000 | 20140404 | 20141101 | 3 | -54.782 | -68.403 | 1029 | 610 | BW |
| AR | MARTIAL ESTE | 2000 | 20140404 | 20141101 | 2 | -54.782 | -68.402 | 1025 | 503 | BW |
| AR | MARTIAL ESTE | 2000 | 20140404 | 20150331 | 11 | -54.781 | -68.405 | 1112 | 218 | BA |
| AR | MARTIAL ESTE | 2000 | 20140404 | 20150331 | 7 | -54.781 | -68.404 | 1096 | 464 | BA |
| AR | MARTIAL ESTE | 2000 | 20140404 | 20150331 | 6 | -54.781 | -68.405 | 1092 | 475 | BA |
| AR | MARTIAL ESTE | 2000 | 20140404 | 20150331 | 5 | -54.782 | -68.405 | 1090 | 390 | BA |
| AR | MARTIAL ESTE | 2000 | 20140404 | 20150331 | 9 | -54.781 | -68.403 | 1077 | -28 | BA |
| AR | MARTIAL ESTE | 2000 | 20140404 | 20150331 | 10 | -54.781 | -68.402 | 1072 | -122 | BA |
| AR | MARTIAL ESTE | 2000 | 20140404 | 20150331 | 8 | -54.781 | -68.403 | 1065 | 158 | BA |
| AR | MARTIAL ESTE | 2000 | 20140404 | 20150331 | 4 | -54.782 | -68.404 | 1065 | 0 | BA |
| AR | MARTIAL ESTE | 2000 | 20140404 | 20150331 | 1 | -54.781 | -68.402 | 1033 | -660 | BA |
| AR | MARTIAL ESTE | 2000 | 20140404 | 20150331 | 3 | -54.782 | -68.403 | 1029 | -768 | BA |
| AR | MARTIAL ESTE | 2000 | 20140404 | 20150331 | 2 | -54.782 | -68.402 | 1025 | -1044 | BA |
| AR | MARTIAL ESTE | 2000 | 20141101 | 20150331 | 11 | -54.781 | -68.405 | 1112 | -562 | BS |
| AR | MARTIAL ESTE | 2000 | 20141101 | 20150331 | 7 | -54.781 | -68.404 | 1096 | -413 | BS |
| AR | MARTIAL ESTE | 2000 | 20141101 | 20150331 | 6 | -54.781 | -68.405 | 1092 | -544 | BS |
| AR | MARTIAL ESTE | 2000 | 20141101 | 20150331 | 5 | -54.782 | -68.405 | 1090 | -721 | BS |
| AR | MARTIAL ESTE | 2000 | 20141101 | 20150331 | 9 | -54.781 | -68.403 | 1077 | -783 | BS |
| AR | MARTIAL ESTE | 2000 | 20141101 | 20150331 | 10 | -54.781 | -68.402 | 1072 | -957 | BS |
| AR | MARTIAL ESTE | 2000 | 20141101 | 20150331 | 4 | -54.782 | -68.404 | 1065 | -892 | BS |
| AR | MARTIAL ESTE | 2000 | 20141101 | 20150331 | 8 | -54.781 | -68.403 | 1065 | -835 | BS |
| AR | MARTIAL ESTE | 2000 | 20141101 | 20150331 | 1 | -54.781 | -68.402 | 1033 | -1286 | BS |
| AR | MARTIAL ESTE | 2000 | 20141101 | 20150331 | 3 | -54.782 | -68.403 | 1029 | -1378 | BS |
| AR | MARTIAL ESTE | 2000 | 20141101 | 20150331 | 2 | -54.782 | -68.402 | 1025 | -1547 | BS |
| **AT - Austria** | | | | | | | | | | |
| AT | HINTEREIS F. | 491 | 20131001 | 20140430 | WJ | 46.797 | 10.743 | 3170 | 1460 | BW |
| AT | HINTEREIS F. | 491 | 20131001 | 20140430 | LJF | 46.810 | 10.755 | 3089 | 1273 | BW |
| AT | HINTEREIS F. | 491 | 20131001 | 20140430 | TE | 46.791 | 10.748 | 3047 | 1629 | BW |
| AT | HINTEREIS F. | 491 | 20131001 | 20140430 | L613 | 46.803 | 10.773 | 2740 | 980 | BW |
| AT | HINTEREIS F. | 491 | 20131001 | 20140430 | AWS | 46.814 | 10.789 | 2530 | 865 | BW |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | SSJ | 46.788 | 10.739 | 3240 | 1606 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | WJ | 46.797 | 10.743 | 3170 | 897 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | TE_Bambus | 46.790 | 10.749 | 3047 | 383 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | TE | 46.791 | 10.748 | 3047 | 499 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | TE12 | 46.791 | 10.750 | 3025 | 77 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 202 | 46.811 | 10.761 | 3008 | -357 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 101 | 46.794 | 10.752 | 2989 | -415 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 93 | 46.793 | 10.756 | 2950 | -316 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 94 | 46.792 | 10.758 | 2938 | -325 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 98 | 46.794 | 10.757 | 2937 | -367 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | L309 | 46.793 | 10.757 | 2934 | -386 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 73 | 46.795 | 10.760 | 2904 | -409 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 89 | 46.793 | 10.762 | 2897 | -761 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 95 | 46.792 | 10.762 | 2892 | -611 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 96 | 46.793 | 10.764 | 2886 | -483 | BA |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | L413 | 46.794 | 10.764 | 2878 | -836 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 79 | 46.795 | 10.764 | 2878 | -1214 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 88 | 46.795 | 10.767 | 2853 | -1060 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 97 | 46.795 | 10.769 | 2848 | -1079 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 72 | 46.798 | 10.766 | 2831 | -1382 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | L513 | 46.798 | 10.770 | 2819 | -1336 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 71 | 46.800 | 10.767 | 2785 | -1346 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 69 | 46.801 | 10.772 | 2780 | -1719 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 61 | 46.802 | 10.769 | 2757 | -1672 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | L613 | 46.803 | 10.773 | 2740 | -2070 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 51 | 46.806 | 10.772 | 2711 | -2285 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 64 | 46.806 | 10.777 | 2707 | -2619 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 87 | 46.806 | 10.775 | 2703 | -2520 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | L713 | 46.808 | 10.778 | 2671 | -3177 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 50 | 46.808 | 10.781 | 2654 | -3879 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 42 | 46.810 | 10.779 | 2646 | -3276 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | L813 | 46.810 | 10.782 | 2626 | -3204 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 41 | 46.811 | 10.786 | 2591 | -3969 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 38 | 46.812 | 10.784 | 2589 | -3474 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | L913 | 46.813 | 10.787 | 2570 | -3987 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 22 | 46.815 | 10.791 | 2532 | -4869 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | 27a | 46.814 | 10.790 | 2521 | -5391 | BA |
| AT | HINTEREIS F. | 491 | 20131001 | 20140930 | L1013 | 46.816 | 10.792 | 2502 | -5337 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150430 | HEJ | 46.792 | 10.735 | 3330 | 1535 | BW |
| AT | HINTEREIS F. | 491 | 20141001 | 20150430 | WJ | 46.797 | 10.743 | 3170 | 1934 | BW |
| AT | HINTEREIS F. | 491 | 20141001 | 20150430 | LJF | 46.810 | 10.755 | 3089 | 1914 | BW |
| AT | HINTEREIS F. | 491 | 20141001 | 20150430 | TE | 46.791 | 10.748 | 3047 | 1670 | BW |
| AT | HINTEREIS F. | 491 | 20141001 | 20150430 | L6 | 46.803 | 10.773 | 2740 | 1028 | BW |
| AT | HINTEREIS F. | 491 | 20141001 | 20150430 | AWS | 46.814 | 10.789 | 2530 | 571 | BW |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 108 | 46.803 | 10.746 | 3434 | -2398 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | HEJ | 46.792 | 10.735 | 3330 | 723 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | SST | 46.797 | 10.737 | 3280 | 625 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | SSJ | 46.788 | 10.739 | 3240 | 686 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 107 | 46.799 | 10.745 | 3213 | -2415 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 106 | 46.796 | 10.740 | 3205 | -1920 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 207 | 46.811 | 10.756 | 3175 | -960 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | B22 | 46.808 | 10.753 | 3160 | 526 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | WKJ | 46.797 | 10.742 | 3155 | 243 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 105 | 46.794 | 10.742 | 3139 | -2190 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 109 | 46.798 | 10.749 | 3137 | -1744 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | B1 | 46.791 | 10.742 | 3120 | 482 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 104 | 46.793 | 10.745 | 3095 | -1594 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | TE_Bambus | 46.790 | 10.749 | 3047 | -1020 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | TE12 | 46.791 | 10.750 | 3025 | -1538 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 202 | 46.811 | 10.761 | 3008 | -1586 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 101 | 46.794 | 10.752 | 2987 | -1965 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 103 | 46.791 | 10.754 | 2976 | -1744 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 99 | 46.794 | 10.756 | 2945 | -1893 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | L3/09 | 46.793 | 10.757 | 2934 | -2061 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 98 | 46.794 | 10.757 | 2932 | -2085 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 94 | 46.792 | 10.758 | 2929 | -1844 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | L3/07 | 46.793 | 10.759 | 2918 | -1752 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 73 | 46.795 | 10.760 | 2900 | -2025 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 89 | 46.793 | 10.762 | 2893 | -2311 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 95 | 46.792 | 10.762 | 2892 | -2234 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 201 | 46.811 | 10.768 | 2891 | -3597 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | L4/07 | 46.794 | 10.764 | 2878 | -2499 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 79 | 46.795 | 10.764 | 2872 | -2847 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 88 | 46.795 | 10.767 | 2848 | -2737 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 97 | 46.795 | 10.769 | 2845 | -2316 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 72 | 46.798 | 10.766 | 2831 | -2955 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | L5/09 | 46.798 | 10.770 | 2819 | -3165 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 71 | 46.800 | 10.767 | 2780 | -2943 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 69 | 46.801 | 10.772 | 2780 | -3165 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 61 | 46.802 | 10.769 | 2751 | -3582 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | L6/07 | 46.803 | 10.773 | 2740 | -3651 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 51 | 46.806 | 10.772 | 2711 | -3993 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 64 | 46.806 | 10.777 | 2700 | -4647 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 87 | 46.806 | 10.775 | 2698 | -4305 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | L7/97 | 46.808 | 10.778 | 2671 | -4479 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 50 | 46.808 | 10.781 | 2654 | -5334 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 42 | 46.810 | 10.779 | 2646 | -4689 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | L8/07 | 46.810 | 10.782 | 2626 | -4935 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 41 | 46.811 | 10.786 | 2591 | -5517 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 38 | 46.812 | 10.784 | 2589 | -4959 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | L9/07 | 46.813 | 10.787 | 2570 | -5592 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | 27a | 46.814 | 10.790 | 2521 | -5283 | BA |
| AT | HINTEREIS F. | 491 | 20141001 | 20150930 | L10/15 | 46.815 | 10.792 | 2496 | -7446 | BA |
| AT | KESSELWAND F. | 507 | 20131001 | 20140930 | P46 | 46.852 | 10.787 | 3293 | 1287 | BA |
| AT | KESSELWAND F. | 507 | 20131001 | 20140930 | KWF13 | 46.847 | 10.794 | 3208 | -388 | BA |
| AT | KESSELWAND F. | 507 | 20131001 | 20140930 | KWF12 | 46.844 | 10.789 | 3179 | 619 | BA |
| AT | KESSELWAND F. | 507 | 20131001 | 20140930 | KWF10 | 46.841 | 10.789 | 3157 | -63 | BA |
| AT | KESSELWAND F. | 507 | 20131001 | 20140930 | KWF9 | 46.842 | 10.794 | 3128 | -137 | BA |
| AT | KESSELWAND F. | 507 | 20131001 | 20140930 | KWF8 | 46.839 | 10.795 | 3088 | -156 | BA |
| AT | KESSELWAND F. | 507 | 20131001 | 20140930 | KWF4 | 46.834 | 10.796 | 3083 | -803 | BA |
| AT | KESSELWAND F. | 507 | 20131001 | 20140930 | KWF6 | 46.840 | 10.799 | 3071 | -701 | BA |
| AT | KESSELWAND F. | 507 | 20131001 | 20140930 | KWF5 | 46.837 | 10.796 | 3071 | -523 | BA |
| AT | KESSELWAND F. | 507 | 20131001 | 20140930 | KWF3 | 46.836 | 10.801 | 3027 | -1029 | BA |
| AT | KESSELWAND F. | 507 | 20131001 | 20140930 | KWF2 | 46.836 | 10.803 | 2993 | -1356 | BA |
| AT | KESSELWAND F. | 507 | 20131001 | 20140930 | KWF1 | 46.836 | 10.806 | 2963 | -2793 | BA |
| AT | KESSELWAND F. | 507 | 20141001 | 20150930 | KWF19/15 | 46.853 | 10.787 | 3308 | -348 | BA |
| AT | KESSELWAND F. | 507 | 20141001 | 20150930 | S1 | 46.852 | 10.784 | 3288 | 270 | BA |
| AT | KESSELWAND F. | 507 | 20141001 | 20150930 | S2 | 46.850 | 10.782 | 3266 | 418 | BA |
| AT | KESSELWAND F. | 507 | 20141001 | 20150930 | S3 | 46.848 | 10.782 | 3253 | 79 | BA |
| AT | KESSELWAND F. | 507 | 20141001 | 20150930 | KWF17/15 | 46.849 | 10.789 | 3239 | -428 | BA |
| AT | KESSELWAND F. | 507 | 20141001 | 20150930 | KWF18/15 | 46.846 | 10.782 | 3237 | -418 | BA |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| AT | KESSELWAND F. | 507 | 20141001 | 20150930 | KWF13/14 | 46.847 | 10.794 | 3208 | -2672 | BA |
| AT | KESSELWAND F. | 507 | 20141001 | 20150930 | KWF16/15 | 46.841 | 10.786 | 3181 | -1685 | BA |
| AT | KESSELWAND F. | 507 | 20141001 | 20150930 | KWF12/14 | 46.844 | 10.789 | 3179 | -448 | BA |
| AT | KESSELWAND F. | 507 | 20141001 | 20150930 | KWF10/14 | 46.841 | 10.789 | 3157 | -1907 | BA |
| AT | KESSELWAND F. | 507 | 20141001 | 20150930 | KWF11/15 | 46.843 | 10.795 | 3141 | -1324 | BA |
| AT | KESSELWAND F. | 507 | 20141001 | 20150930 | KWF14/15 | 46.834 | 10.792 | 3136 | -2407 | BA |
| AT | KESSELWAND F. | 507 | 20141001 | 20150930 | KWF09/14 | 46.842 | 10.794 | 3128 | -1469 | BA |
| AT | KESSELWAND F. | 507 | 20141001 | 20150930 | KWF07/15 | 46.839 | 10.792 | 3109 | -1966 | BA |
| AT | KESSELWAND F. | 507 | 20141001 | 20150930 | KWF15/15 | 46.837 | 10.791 | 3107 | -1627 | BA |
| AT | KESSELWAND F. | 507 | 20141001 | 20150930 | KWF08/14 | 46.839 | 10.795 | 3088 | -1604 | BA |
| AT | KESSELWAND F. | 507 | 20141001 | 20150930 | KWF04/14 | 46.834 | 10.796 | 3083 | -2912 | BA |
| AT | KESSELWAND F. | 507 | 20141001 | 20150930 | KWF06/14 | 46.840 | 10.799 | 3071 | -2445 | BA |
| AT | KESSELWAND F. | 507 | 20141001 | 20150930 | KWF05/14 | 46.837 | 10.796 | 3071 | -2085 | BA |
| AT | KESSELWAND F. | 507 | 20141001 | 20150930 | KWF03/14 | 46.836 | 10.801 | 3027 | -3781 | BA |
| AT | WURTEN K. | 545 | 20139999 | 20149999 | 9 | 47.038 | 13.009 | 2641 | -360 | BA |
| AT | WURTEN K. | 545 | 20139999 | 20149999 | 11 | 47.038 | 13.008 | 2636 | -405 | BA |
| AT | WURTEN K. | 545 | 20139999 | 20149999 | 12 | 47.038 | 13.007 | 2612 | -1008 | BA |
| AT | WURTEN K. | 545 | 20139999 | 20149999 | 7 | 47.040 | 13.005 | 2610 | -396 | BA |
| AT | WURTEN K. | 545 | 20139999 | 20149999 | 5 | 47.037 | 13.005 | 2583 | -315 | BA |
| AT | WURTEN K. | 545 | 20139999 | 20149999 | 6 | 47.039 | 13.004 | 2575 | -2556 | BA |
| AT | WURTEN K. | 545 | 20139999 | 20149999 | 3 | 47.037 | 13.004 | 2568 | -1215 | BA |
| AT | WURTEN K. | 545 | 20139999 | 20149999 | 2 | 47.038 | 13.003 | 2555 | -1557 | BA |
| AT | WURTEN K. | 545 | 20139999 | 20149999 | 1 | 47.038 | 13.003 | 2541 | -2142 | BA |
| AT | WURTEN K. | 545 | 20149999 | 20159999 | 9 | 47.038 | 13.009 | 2641 | -824 | BA |
| AT | WURTEN K. | 545 | 20149999 | 20159999 | 11 | 47.038 | 13.008 | 2636 | -1926 | BA |
| AT | WURTEN K. | 545 | 20149999 | 20159999 | 12 | 47.038 | 13.007 | 2612 | -1053 | BA |
| AT | WURTEN K. | 545 | 20149999 | 20159999 | 7 | 47.040 | 13.005 | 2610 | -3204 | BA |
| AT | WURTEN K. | 545 | 20149999 | 20159999 | 5 | 47.037 | 13.005 | 2583 | -1890 | BA |
| AT | WURTEN K. | 545 | 20149999 | 20159999 | 6 | 47.039 | 13.004 | 2575 | -3105 | BA |
| AT | WURTEN K. | 545 | 20149999 | 20159999 | 3 | 47.037 | 13.004 | 2568 | -3150 | BA |
| AT | WURTEN K. | 545 | 20149999 | 20159999 | 2 | 47.038 | 13.003 | 2555 | -3375 | BA |
| AT | WURTEN K. | 545 | 20149999 | 20159999 | 1 | 47.038 | 13.003 | 2541 | -2718 | BA |
| **BO - Bolivia** | | | | | | | | | | |
| BO | CHARQUINI SUR | 2667 | 20139999 | 20149999 | PIT1 | 8197574 | 595816 | 5283 | 349 | BA |
| BO | CHARQUINI SUR | 2667 | 20139999 | 20149999 | PIT2 | 8197577 | 595692 | 5245 | 270 | BA |
| BO | CHARQUINI SUR | 2667 | 20139999 | 20149999 | PIT3 | 8197496 | 595701 | 5222 | 290 | BA |
| BO | CHARQUINI SUR | 2667 | 20139999 | 20149999 | 1L | 8197371 | 595721 | 5174 | -575 | BA |
| BO | CHARQUINI SUR | 2667 | 20139999 | 20149999 | 5F | 8197416 | 595682 | 5172 | -569 | BA |
| BO | CHARQUINI SUR | 2667 | 20139999 | 20149999 | 7K | 8197452 | 595638 | 5169 | -487 | BA |
| BO | CHARQUINI SUR | 2667 | 20139999 | 20149999 | 2J | 8197375 | 595660 | 5157 | -398 | BA |
| BO | CHARQUINI SUR | 2667 | 20139999 | 20149999 | 6D | 8197383 | 595592 | 5142 | -478 | BA |
| BO | CHARQUINI SUR | 2667 | 20139999 | 20149999 | 3K | 8197461 | 595353 | 5092 | -535 | BA |
| BO | CHARQUINI SUR | 2667 | 20139999 | 20149999 | 15J | 8197384 | 595332 | 5061 | -1212 | BA |
| BO | CHARQUINI SUR | 2667 | 20139999 | 20149999 | 17J | 8197444 | 595095 | 4999 | -1742 | BA |
| BO | CHARQUINI SUR | 2667 | 20149999 | 20159999 | Pit 1 | 8197574 | 595816 | 5283 | 951 | BA |
| BO | CHARQUINI SUR | 2667 | 20149999 | 20159999 | Pit 2 | 8197577 | 595692 | 5245 | 602 | BA |
| BO | CHARQUINI SUR | 2667 | 20149999 | 20159999 | Pit 3 | 8197496 | 595701 | 5222 | 696 | BA |
| BO | CHARQUINI SUR | 2667 | 20149999 | 20159999 | 1L | 8197371 | 595720 | 5173 | -280 | BA |
| BO | CHARQUINI SUR | 2667 | 20149999 | 20159999 | 2J | 8197374 | 595658 | 5156 | -35 | BA |
| BO | CHARQUINI SUR | 2667 | 20149999 | 20159999 | 6D | 8197383 | 595591 | 5141 | -297 | BA |
| BO | CHARQUINI SUR | 2667 | 20149999 | 20159999 | 15J | 8197381 | 595329 | 5058 | -689 | BA |
| BO | ZONGO | 1503 | 20139999 | 20149999 | PIT1 | 82012171 | 590943 | 5654 | 1050 | BA |
| BO | ZONGO | 1503 | 20139999 | 20149999 | X4 | 8200213 | 591256 | 5193 | 125 | BA |
| BO | ZONGO | 1503 | 20139999 | 20149999 | X1 | 8200191 | 591263 | 5188 | 252 | BA |
| BO | ZONGO | 1503 | 20139999 | 20149999 | 17T | 8200024 | 591314 | 5182 | -514 | BA |
| BO | ZONGO | 1503 | 20139999 | 20149999 | 1N | 8200058 | 591502 | 5129 | -674 | BA |
| BO | ZONGO | 1503 | 20139999 | 20149999 | XX2 | 8200058 | 591520 | 5126 | -930 | BA |
| BO | ZONGO | 1503 | 20139999 | 20149999 | 4U | 8200059 | 591593 | 5115 | -601 | BA |
| BO | ZONGO | 1503 | 20139999 | 20149999 | 5U | 8199895 | 591490 | 5104 | -1918 | BA |
| BO | ZONGO | 1503 | 20139999 | 20149999 | 18T | 8199958 | 591614 | 5103 | -1415 | BA |
| BO | ZONGO | 1503 | 20139999 | 20149999 | 7U | 8199936 | 591858 | 5069 | -2332 | BA |
| BO | ZONGO | 1503 | 20139999 | 20149999 | XIX | 8199900 | 592005 | 5055 | -3489 | BA |
| BO | ZONGO | 1503 | 20139999 | 20149999 | XXII | 8199976 | 592432 | 4939 | -4875 | BA |
| BO | ZONGO | 1503 | 20149999 | 20159999 | PIT1 | 8201371 | 590722 | 5791 | 1157 | BA |
| BO | ZONGO | 1503 | 20149999 | 20159999 | PIT2 | 8201083 | 590946 | 5628 | 1227 | BA |
| BO | ZONGO | 1503 | 20149999 | 20159999 | PIT3 | 8201376 | 591090 | 5623 | 999 | BA |
| BO | ZONGO | 1503 | 20149999 | 20159999 | X1 | 8200182 | 591273 | 5189 | -356 | BA |
| BO | ZONGO | 1503 | 20149999 | 20159999 | 15T | 8200079 | 591327 | 5178 | -564 | BA |
| BO | ZONGO | 1503 | 20149999 | 20159999 | 4U | 8200044 | 591608 | 5111 | -183 | BA |
| BO | ZONGO | 1503 | 20149999 | 20159999 | 5U | 8199895 | 591490 | 5104 | -1765 | BA |
| BO | ZONGO | 1503 | 20149999 | 20159999 | 2W | 8199915 | 591594 | 5100 | -1174 | BA |
| **CA - Canada** | | | | | | | | | | |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | H | 75.369 | -82.670 | 1829 | 193 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | FH | 75.381 | -82.728 | 1769 | 193 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | F | 75.386 | -82.763 | 1737 | 193 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | EF | 75.394 | -82.804 | 1707 | 186 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | E | 75.405 | -82.855 | 1687 | 185 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DE | 75.412 | -82.906 | 1663 | 183 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | D | 75.422 | -82.947 | 1638 | 165 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | K | 75.431 | -82.994 | 1592 | 157 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | ML | 75.450 | -83.089 | 1507 | 157 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | M | 75.454 | -83.103 | 1491 | 158 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | N / OM | 75.474 | -83.208 | 1398 | 158 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | O | 75.487 | -83.278 | 1363 | 158 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | ICS | 75.492 | -83.308 | 1343 | 158 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DSG10 | 75.510 | -83.256 | 1305 | 174 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DVT1 | 75.502 | -83.348 | 1297 | 201 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DSG92 | 75.515 | -83.237 | 1283 | 161 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DSG91 | 75.525 | -83.196 | 1239 | 165 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DVT2 | 75.511 | -83.401 | 1202 | 219 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DSG91B | 75.529 | -83.184 | 1198 | 171 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DVT6 | 75.515 | -83.417 | 1197 | 192 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DVT7 | 75.517 | -83.433 | 1152 | 171 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DVT8.1 | 75.522 | -83.453 | 1121 | 231 | BW |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DVT9 | 75.526 | -83.471 | 1103 | 171 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DSG9 | 75.533 | -83.163 | 1102 | 178 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DVT10.2 | 75.540 | -83.519 | 1050 | 182 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DVT10.4 | 75.550 | -83.552 | 1001 | 270 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DVT11 | 75.558 | -83.593 | 962 | 223 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DVT12 | 75.564 | -83.603 | 931 | 154 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DSG73 | 75.567 | -83.155 | 831 | 177 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DSG72 | 75.588 | -83.141 | 768 | 149 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DSG70 | 75.605 | -83.108 | 675 | 108 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DSG6 | 75.615 | -83.088 | 622 | 112 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DSG52 | 75.645 | -83.194 | 499 | 154 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DSG53 | 75.633 | -83.134 | 460 | 142 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DSG51 | 75.666 | -83.252 | 388 | 150 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DSG5 | 75.671 | -83.258 | 369 | 150 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DSG4AWS | 75.691 | -83.242 | 315 | 131 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DSG4A | 75.693 | -83.250 | 312 | 133 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DSG3 | 75.699 | -83.230 | 292 | 151 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DSG2 | 75.706 | -83.190 | 231 | 113 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DSG1 | 75.723 | -83.179 | 179 | 160 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DSG1B | 75.727 | -83.171 | 157 | 137 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140510 | DSG0 | 75.732 | -83.194 | 137 | 155 | BW |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | H | 75.369 | -82.670 | 1829 | 203 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | FH | 75.381 | -82.728 | 1769 | 203 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | F | 75.386 | -82.763 | 1737 | 203 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | EF | 75.394 | -82.804 | 1707 | 196 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | E | 75.405 | -82.855 | 1687 | 200 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DE | 75.412 | -82.906 | 1663 | 198 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | D | 75.422 | -82.947 | 1638 | 180 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | K | 75.431 | -82.994 | 1592 | 125 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | ML | 75.450 | -83.089 | 1507 | 94 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | M | 75.454 | -83.103 | 1491 | 63 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | N / OM | 75.474 | -83.208 | 1398 | -32 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | O | 75.487 | -83.278 | 1363 | -24 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | ICS | 75.492 | -83.308 | 1343 | -9 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DSG10 | 75.510 | -83.256 | 1305 | -89 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DVT1 | 75.502 | -83.348 | 1297 | -151 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DSG92 | 75.515 | -83.237 | 1283 | -196 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DSG91 | 75.525 | -83.196 | 1239 | -258 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DVT2 | 75.511 | -83.401 | 1202 | -116 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DSG91B | 75.529 | -83.184 | 1198 | -214 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DVT6 | 75.515 | -83.417 | 1197 | -169 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DVT7 | 75.517 | -83.433 | 1152 | -249 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DVT8.1 | 75.522 | -83.453 | 1121 | -267 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DVT9 | 75.526 | -83.471 | 1103 | -312 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DSG9 | 75.533 | -83.163 | 1102 | -347 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DVT10.2 | 75.540 | -83.519 | 1050 | -142 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DVT10.4 | 75.550 | -83.552 | 1001 | -134 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DVT11 | 75.558 | -83.593 | 962 | -294 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DVT12 | 75.564 | -83.603 | 931 | -436 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DSG73 | 75.567 | -83.155 | 831 | -623 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DSG72 | 75.588 | -83.141 | 768 | -454 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DSG70 | 75.605 | -83.108 | 675 | -846 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DSG6 | 75.615 | -83.088 | 622 | -846 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DSG52 | 75.645 | -83.194 | 499 | -632 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DSG53 | 75.633 | -83.134 | 460 | -668 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DSG51 | 75.666 | -83.252 | 388 | -641 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DSG5 | 75.671 | -83.258 | 369 | -837 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DSG4AWS | 75.691 | -83.242 | 315 | -837 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DSG4A | 75.693 | -83.250 | 312 | -837 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DSG3 | 75.699 | -83.230 | 292 | -632 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DSG2 | 75.706 | -83.190 | 231 | -917 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DSG1 | 75.723 | -83.179 | 179 | -908 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DSG1B | 75.727 | -83.171 | 157 | -819 | BA |
| CA | DEVON ICE CAP NW | 39 | 20130999 | 20140999 | DSG0 | 75.732 | -83.194 | 137 | -890 | BA |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | H | 75.369 | -82.670 | 1829 | 10 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | FH | 75.381 | -82.728 | 1769 | 10 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | F | 75.386 | -82.763 | 1737 | 10 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | EF | 75.394 | -82.804 | 1707 | 10 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | E | 75.405 | -82.855 | 1687 | 15 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DE | 75.412 | -82.906 | 1663 | 15 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | D | 75.422 | -82.947 | 1638 | 15 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | K | 75.431 | -82.994 | 1592 | -31 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | ML | 75.450 | -83.089 | 1507 | -63 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | M | 75.454 | -83.103 | 1491 | -95 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | N / OM | 75.474 | -83.208 | 1398 | -190 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | O | 75.487 | -83.278 | 1363 | -182 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | ICS | 75.492 | -83.308 | 1343 | -167 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DSG10 | 75.510 | -83.256 | 1305 | -263 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DVT1 | 75.502 | -83.348 | 1297 | -352 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DSG92 | 75.515 | -83.237 | 1283 | -357 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DSG91 | 75.525 | -83.196 | 1239 | -423 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DVT2 | 75.511 | -83.401 | 1202 | -335 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DSG91B | 75.529 | -83.184 | 1198 | -385 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DVT6 | 75.515 | -83.417 | 1197 | -362 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DVT7 | 75.517 | -83.433 | 1152 | -420 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DVT8.1 | 75.522 | -83.453 | 1121 | -498 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DVT9 | 75.526 | -83.471 | 1103 | -482 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DSG9 | 75.533 | -83.163 | 1102 | -525 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DVT10.2 | 75.540 | -83.519 | 1050 | -325 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DVT10.4 | 75.550 | -83.552 | 1001 | -403 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DVT11 | 75.558 | -83.593 | 962 | -517 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DVT12 | 75.564 | -83.603 | 931 | -590 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DSG73 | 75.567 | -83.155 | 831 | -800 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DSG72 | 75.588 | -83.141 | 768 | -603 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DSG70 | 75.605 | -83.108 | 675 | -953 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DSG6 | 75.615 | -83.088 | 622 | -957 | BS |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DSG52 | 75.645 | -83.194 | 499 | -785 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DSG53 | 75.633 | -83.134 | 460 | -810 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DSG51 | 75.666 | -83.252 | 388 | -790 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DSG5 | 75.671 | -83.258 | 369 | -986 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DSG4AWS | 75.691 | -83.242 | 315 | -968 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DSG4A | 75.693 | -83.250 | 312 | -970 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DSG3 | 75.699 | -83.230 | 292 | -783 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DSG2 | 75.706 | -83.190 | 231 | -1030 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DSG1 | 75.723 | -83.179 | 179 | -1068 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DSG1B | 75.727 | -83.171 | 157 | -956 | BS |
| CA | DEVON ICE CAP NW | 39 | 20140510 | 20140999 | DSG0 | 75.732 | -83.194 | 137 | -1045 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 32 | 79.931 | -99.115 | 253 | 206 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 31 | 79.937 | -99.121 | 252 | 210 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 33 | 79.929 | -99.104 | 249 | 170 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 26 | 79.961 | -99.134 | 240 | 212 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 25 | 79.961 | -99.162 | 240 | 204 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 27 | 79.962 | -99.119 | 231 | 219 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 24 | 79.960 | -99.185 | 225 | 223 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 21 | 79.968 | -99.147 | 222 | 228 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 37 | 79.939 | -99.073 | 220 | 193 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 28 | 79.963 | -99.106 | 220 | 240 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 20 | 79.973 | -99.140 | 216 | 215 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 35 | 79.976 | -99.156 | 213 | 212 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 33a | 79.919 | -99.107 | 208 | 219 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 23 | 79.962 | -99.210 | 206 | 248 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 34 | 79.980 | -99.100 | 185 | 232 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 35a | 79.977 | -99.235 | 182 | 279 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 16 | 80.000 | -99.103 | 175 | 227 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 14 | 80.001 | -99.157 | 172 | 242 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 30 | 79.962 | -99.059 | 160 | 253 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 34a | 79.972 | -99.057 | 160 | 229 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 17 | 80.000 | -99.092 | 160 | 214 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 13 | 80.004 | -99.205 | 156 | 217 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 12 | 80.005 | -99.247 | 153 | 223 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 18 | 80.000 | -99.049 | 152 | 242 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 11 | 80.005 | -99.274 | 143 | 215 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 21a | 79.962 | -99.314 | 139 | 246 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 35b | 79.979 | -99.321 | 135 | 207 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 9 | 80.019 | -99.158 | 130 | 247 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 8 | 80.017 | -99.107 | 124 | 212 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 10 | 80.006 | -99.312 | 123 | 211 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140417 | 5 | 80.031 | -99.203 | 106 | 254 | BW |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 32 | 79.931 | -99.115 | 253 | 24 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 31 | 79.937 | -99.121 | 252 | 12 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 33 | 79.929 | -99.104 | 249 | 42 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 26 | 79.961 | -99.134 | 240 | 72 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 25 | 79.961 | -99.162 | 240 | 12 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 27 | 79.962 | -99.119 | 231 | 132 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 24 | 79.960 | -99.185 | 225 | 120 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 21 | 79.968 | -99.147 | 222 | 60 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 37 | 79.939 | -99.073 | 220 | 144 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 28 | 79.963 | -99.106 | 220 | 66 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 20 | 79.973 | -99.140 | 216 | 12 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 35 | 79.976 | -99.156 | 213 | 54 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 33a | 79.919 | -99.107 | 208 | -30 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 23 | 79.962 | -99.210 | 206 | 36 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 34 | 79.980 | -99.100 | 185 | 126 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 35a | 79.977 | -99.235 | 182 | 108 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 16 | 80.000 | -99.103 | 175 | 36 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 14 | 80.001 | -99.157 | 172 | 192 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 30 | 79.962 | -99.059 | 160 | 30 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 17 | 80.000 | -99.092 | 160 | 12 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 34a | 79.972 | -99.057 | 160 | 48 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 13 | 80.004 | -99.205 | 156 | 36 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 12 | 80.005 | -99.247 | 153 | 168 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 18 | 80.000 | -99.049 | 152 | 108 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 11 | 80.005 | -99.274 | 143 | 84 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 21a | 79.962 | -99.314 | 139 | 18 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 35b | 79.979 | -99.321 | 135 | 36 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 9 | 80.019 | -99.158 | 130 | 114 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 8 | 80.017 | -99.107 | 124 | -6 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 10 | 80.006 | -99.312 | 123 | 24 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20130999 | 20140999 | 5 | 80.031 | -99.203 | 106 | 72 | BA |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 32 | 79.931 | -99.115 | 253 | -182 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 31 | 79.937 | -99.121 | 252 | -198 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 33 | 79.929 | -99.104 | 249 | -128 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 26 | 79.961 | -99.134 | 240 | -140 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 25 | 79.961 | -99.162 | 240 | -192 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 27 | 79.962 | -99.119 | 231 | -87 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 24 | 79.960 | -99.185 | 225 | -103 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 21 | 79.968 | -99.147 | 222 | -168 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 37 | 79.939 | -99.073 | 220 | -49 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 28 | 79.963 | -99.106 | 220 | -174 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 20 | 79.973 | -99.140 | 216 | -203 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 35 | 79.976 | -99.156 | 213 | -158 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 33a | 79.919 | -99.107 | 208 | -249 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 23 | 79.962 | -99.210 | 206 | -212 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 34 | 79.980 | -99.100 | 185 | -106 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 35a | 79.977 | -99.235 | 182 | -171 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 16 | 80.000 | -99.103 | 175 | -191 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 14 | 80.001 | -99.157 | 172 | -50 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 34a | 79.972 | -99.057 | 160 | -181 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 17 | 80.000 | -99.092 | 160 | -202 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 30 | 79.962 | -99.059 | 160 | -223 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 13 | 80.004 | -99.205 | 156 | -181 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 12 | 80.005 | -99.247 | 153 | -55 | BS |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 18 | 80.000 | -99.049 | 152 | -134 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 11 | 80.005 | -99.274 | 143 | -131 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 21a | 79.962 | -99.314 | 139 | -228 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 35b | 79.979 | -99.321 | 135 | -171 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 9 | 80.019 | -99.158 | 130 | -133 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 8 | 80.017 | -99.107 | 124 | -218 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 10 | 80.006 | -99.312 | 123 | -187 | BS |
| CA | MEIGHEN ICE CAP | 16 | 20140417 | 20140999 | 5 | 80.031 | -99.203 | 106 | -182 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | 23 | 75.455 | -114.944 | 716 | 163 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | 17 | 75.46 | -115.003 | 708 | 150 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | AWS | 75.461 | -114.995 | 707 | 172 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | 25 | 75.450 | -114.935 | 707 | 165 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | 27 | 75.451 | -114.900 | 703 | 173 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | 22 | 75.447 | -114.966 | 696 | 159 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | 35 | 75.450 | -115.015 | 690 | 198 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | 28 | 75.439 | -114.895 | 676 | 192 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | 18 | 75.432 | -114.970 | 650 | 180 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | 16 | 75.432 | -115.001 | 641 | 199 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | 15 | 75.436 | -115.059 | 636 | 203 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | 6 | 75.395 | -115.073 | 635 | 160 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | 14 | 75.428 | -114.939 | 635 | 195 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | 13 | 75.426 | -115.003 | 631 | 223 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | 10.1 | 75.422 | -115.010 | 623 | 242 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | 10 | 75.414 | -115.018 | 621 | 191 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | 5 | 75.403 | -115.058 | 621 | 288 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | 11 | 75.422 | -114.966 | 620 | 182 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | 8 | 75.416 | -114.952 | 608 | 261 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | 4 | 75.398 | -115.019 | 606 | 179 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | 7 | 75.412 | -114.984 | 590 | 220 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | 24 | 75.406 | -114.979 | 581 | 245 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140424 | 1.1 | 75.392 | -114.949 | 553 | 178 | BW |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | 23 | 75.455 | -114.944 | 716 | -62 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | 17 | 75.46 | -115.003 | 708 | -196 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | 25 | 75.450 | -114.935 | 707 | -169 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | AWS | 75.461 | -114.995 | 707 | -249 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | 27 | 75.451 | -114.900 | 703 | -160 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | 22 | 75.447 | -114.966 | 696 | -205 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | 35 | 75.450 | -115.015 | 690 | -223 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | 28 | 75.439 | -114.895 | 676 | -89 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | 18 | 75.432 | -114.970 | 650 | -231 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | 16 | 75.432 | -115.001 | 641 | -125 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | 15 | 75.436 | -115.059 | 636 | -205 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | 14 | 75.428 | -114.939 | 635 | -89 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | 6 | 75.395 | -115.073 | 635 | -223 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | 13 | 75.426 | -115.003 | 631 | -116 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | 10.1 | 75.422 | -115.010 | 623 | -45 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | 5 | 75.403 | -115.058 | 621 | 9 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | 10 | 75.414 | -115.018 | 621 | -329 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | 11 | 75.422 | -114.966 | 620 | -98 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | 8 | 75.416 | -114.952 | 608 | -62 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | 4 | 75.398 | -115.019 | 606 | -196 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | 7 | 75.412 | -114.984 | 590 | -98 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | 24 | 75.406 | -114.979 | 581 | -98 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20130999 | 20140999 | 1.1 | 75.392 | -114.949 | 553 | -401 | BA |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | 23 | 75.455 | -114.944 | 716 | -225 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | 17 | 75.46 | -115.003 | 708 | -346 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | AWS | 75.461 | -114.995 | 707 | -421 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | 25 | 75.450 | -114.935 | 707 | -334 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | 27 | 75.451 | -114.900 | 703 | -333 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | 22 | 75.447 | -114.966 | 696 | -363 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | 35 | 75.450 | -115.015 | 690 | -421 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | 28 | 75.439 | -114.895 | 676 | -281 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | 18 | 75.432 | -114.970 | 650 | -412 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | 16 | 75.432 | -115.001 | 641 | -323 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | 15 | 75.436 | -115.059 | 636 | -408 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | 6 | 75.395 | -115.073 | 635 | -382 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | 14 | 75.428 | -114.939 | 635 | -284 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | 13 | 75.426 | -115.003 | 631 | -338 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | 10.1 | 75.422 | -115.010 | 623 | -286 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | 10 | 75.414 | -115.018 | 621 | -520 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | 5 | 75.403 | -115.058 | 621 | -279 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | 11 | 75.422 | -114.966 | 620 | -280 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | 8 | 75.416 | -114.952 | 608 | -323 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | 4 | 75.398 | -115.019 | 606 | -375 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | 7 | 75.412 | -114.984 | 590 | -318 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | 24 | 75.406 | -114.979 | 581 | -343 | BS |
| CA | MELVILLE SOUTH ICE CAP | 3690 | 20140424 | 20140999 | 1.1 | 75.392 | -114.949 | 553 | -578 | BS |
| CA | WHITE | 0 | 20131001 | 20140930 | JGC1 | 79.538 | -90.990 | 1519 | 138 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | CJA1 | 79.534 | -91.028 | 1480 | 93 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | LP2 | 79.532 | -91.019 | 1459 | 122 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | WPA1 | 79.536 | -90.932 | 1457 | 162 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | WPA2 | 79.533 | -90.936 | 1415 | 116 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | DCP1 | 79.530 | -90.999 | 1411 | 130 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | LP4 | 79.527 | -90.979 | 1374 | 107 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | WPA3 | 79.529 | -90.945 | 1341 | 144 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | EXTRA | 79.526 | -90.968 | 1324 | 187 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | JGC2 | 79.523 | -90.956 | 1295 | 106 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | WPA4 | 79.522 | -90.946 | 1265 | 99 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | WPA5 | 79.519 | -90.96 | 1261 | 98 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | L1 | 79.520 | -90.927 | 1238 | 128 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | QMARK | 79.517 | -90.899 | 1228 | -306 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | BLUE2 | 79.512 | -90.882 | 1170 | -189 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | L16A | 79.505 | -90.847 | 1041 | -477 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | L16Z | 79.505 | -90.847 | 1041 | -414 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | L18 | 79.497 | -90.824 | 901 | -720 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | L19 | 79.495 | -90.816 | 866 | -841 | BA |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| CA | WHITE | 0 | 20131001 | 20140930 | L20 | 79.494 | -90.811 | 861 | -1053 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | WG9 | 79.488 | -90.789 | 747 | -1075 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | LP5 | 79.484 | -90.781 | 726 | -1120 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | WG8A | 79.480 | -90.771 | 702 | -940 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | WG8 | 79.480 | -90.771 | 702 | -976 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | CWGT | 79.477 | -90.764 | 668 | -1080 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | CWGEx | 79.473 | -90.747 | 625 | -1224 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | WG7 | 79.469 | -90.755 | 597 | -1134 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | LP6 | 79.466 | -90.736 | 556 | -1575 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | LP8 | 79.459 | -90.716 | 482 | -1683 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | WG6 | 79.454 | -90.704 | 394 | -1435 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | LP9 | 79.451 | -90.693 | 367 | -1453 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | ST6 | 79.446 | -90.670 | 298 | -1795 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | ST4A | 79.441 | -90.648 | 242 | -1750 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | WG4 | 79.437 | -90.649 | 199 | -1840 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | WG5 | 79.440 | -90.628 | 195 | -2124 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | LP10 | 79.436 | -90.628 | 180 | -2421 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | ST2 | 79.436 | -90.639 | 176 | -1876 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | WG3 | 79.435 | -90.658 | 150 | -2178 | BA |
| CA | WHITE | 0 | 20131001 | 20140930 | WG1 | 79.433 | -90.649 | 122 | -2884 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | JGC1 | 79.538 | -90.990 | 1519 | 119 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | CJA1 | 79.534 | -91.028 | 1480 | 188 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | LP2 | 79.532 | -91.019 | 1459 | 119 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | WPA1 | 79.536 | -90.932 | 1457 | 190 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | WPA2 | 79.533 | -90.936 | 1415 | 97 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | DCP1 | 79.530 | -90.999 | 1411 | 119 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | LP4 | 79.527 | -90.979 | 1374 | 95 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | WPA3 | 79.529 | -90.945 | 1341 | 147 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | EXTRA | 79.526 | -90.968 | 1324 | 91 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | JGC2 | 79.523 | -90.956 | 1295 | 79 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | WPA4 | 79.522 | -90.946 | 1265 | 87 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | WPA5 | 79.519 | -90.96 | 1261 | 28 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | L1 | 79.520 | -90.927 | 1238 | -315 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | QMARK | 79.517 | -90.899 | 1228 | -360 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | BLUE2 | 79.512 | -90.882 | 1170 | -490 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | L16A | 79.505 | -90.847 | 1041 | -1116 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | L18 | 79.497 | -90.824 | 901 | -1449 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | L19 | 79.495 | -90.816 | 866 | -1350 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | L20 | 79.488 | -90.789 | 861 | -1557 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | WG9A | 79.488 | -90.789 | 747 | -1471 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | WG8 | 79.480 | -90.771 | 702 | -1737 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | CWGT | 79.477 | -90.764 | 668 | -1764 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | CWGEx | 79.473 | -90.747 | 625 | -1845 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | WG7 | 79.469 | -90.755 | 597 | -1768 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | LP8 | 79.459 | -90.716 | 466 | -2133 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | LP9 | 79.451 | -90.693 | 456 | -1926 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | WG6 | 79.454 | -90.704 | 398 | -2038 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | LP6 | 79.466 | -90.736 | 392 | -2151 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | ST6 | 79.446 | -90.670 | 298 | -2493 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | ST4 | 79.441 | -90.648 | 242 | -2016 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | WG4 | 79.437 | -90.649 | 199 | -2232 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | WG5 | 79.440 | -90.628 | 195 | -2560 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | LP10 | 79.436 | -90.628 | 180 | -2659 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | ST2 | 79.436 | -90.639 | 176 | -2574 | BA |
| CA | WHITE | 0 | 20140505 | 20150430 | WG3 | 79.435 | -90.658 | 150 | -3370 | BA |
| **CH - Switzerland** | | | | | | | | | | |
| CH | ADLER | 3801 | 20130925 | 20140409 | Ag-600 | 46.011 | 7.874 | 3339 | 1010 | BW |
| CH | ADLER | 3801 | 20130925 | 20140409 | Ag-600o | 46.011 | 7.871 | 3330 | 940 | BW |
| CH | ADLER | 3801 | 20130925 | 20140409 | Ag-400 | 46.011 | 7.866 | 3247 | 840 | BW |
| CH | ADLER | 3801 | 20130925 | 20140409 | Ag-300 | 46.011 | 7.861 | 3131 | 1130 | BW |
| CH | ADLER | 3801 | 20130925 | 20140409 | Ag-200 | 46.010 | 7.858 | 3076 | 780 | BW |
| CH | ADLER | 3801 | 20130925 | 20140927 | Ag-600 | 46.011 | 7.874 | 3339 | 50 | BA |
| CH | ADLER | 3801 | 20130925 | 20140927 | Ag-600o | 46.011 | 7.871 | 3330 | -450 | BA |
| CH | ADLER | 3801 | 20130925 | 20140927 | Ag-400 | 46.011 | 7.866 | 3247 | -750 | BA |
| CH | ADLER | 3801 | 20130925 | 20140927 | Ag-300 | 46.011 | 7.861 | 3131 | -1450 | BA |
| CH | ADLER | 3801 | 20130925 | 20140927 | Ag-200 | 46.010 | 7.858 | 3076 | -1700 | BA |
| CH | ADLER | 3801 | 20140409 | 20140927 | Ag-600 | 46.011 | 7.874 | 3339 | -960 | BS |
| CH | ADLER | 3801 | 20140409 | 20140927 | Ag-600o | 46.011 | 7.871 | 3330 | -1390 | BS |
| CH | ADLER | 3801 | 20140409 | 20140927 | Ag-400 | 46.011 | 7.866 | 3247 | -1590 | BS |
| CH | ADLER | 3801 | 20140409 | 20140927 | Ag-300 | 46.011 | 7.861 | 3131 | -2580 | BS |
| CH | ADLER | 3801 | 20140409 | 20140927 | Ag-200 | 46.010 | 7.858 | 3076 | -2480 | BS |
| CH | ADLER | 3801 | 20140927 | 20150409 | Ag-600 | 46.011 | 7.874 | 3339 | 1150 | BW |
| CH | ADLER | 3801 | 20140927 | 20150409 | Ag-400 | 46.011 | 7.866 | 3242 | 1000 | BW |
| CH | ADLER | 3801 | 20140927 | 20150409 | Ag-200 | 46.010 | 7.858 | 3076 | 900 | BW |
| CH | ADLER | 3801 | 20140927 | 20150921 | Ag-600 | 46.011 | 7.874 | 3339 | -500 | BA |
| CH | ADLER | 3801 | 20140927 | 20150921 | Ag-400 | 46.011 | 7.866 | 3242 | -1600 | BA |
| CH | ADLER | 3801 | 20140927 | 20150921 | Ag-200 | 46.010 | 7.858 | 3076 | -2790 | BA |
| CH | ALLALIN | 394 | 20130829 | 20140902 | 9 | 46.031 | 7.918 | 3370 | 490 | BA |
| CH | ALLALIN | 394 | 20130829 | 20140902 | 8 | 46.031 | 7.918 | 3370 | 490 | BA |
| CH | ALLALIN | 394 | 20130829 | 20140902 | 6 | 46.040 | 7.911 | 3221 | -441 | BA |
| CH | ALLALIN | 394 | 20130829 | 20140902 | 7 | 46.040 | 7.911 | 3221 | -441 | BA |
| CH | ALLALIN | 394 | 20130829 | 20140902 | 5 | 46.048 | 7.933 | 2862 | -2700 | BA |
| CH | ALLALIN | 394 | 20130829 | 20140902 | 4 | 46.047 | 7.933 | 2842 | -1980 | BA |
| CH | ALLALIN | 394 | 20130829 | 20140902 | 3 | 46.047 | 7.934 | 2833 | -1980 | BA |
| CH | ALLALIN | 394 | 20130829 | 20140902 | 2 | 46.046 | 7.934 | 2833 | -1530 | BA |
| CH | ALLALIN | 394 | 20130829 | 20140902 | 1 | 46.045 | 7.935 | 2829 | -2700 | BA |
| CH | ALLALIN | 394 | 20140902 | 20150921 | 106 | 46.031 | 7.918 | 3370 | 319 | BA |
| CH | ALLALIN | 394 | 20140902 | 20150921 | 100b | 46.040 | 7.911 | 3221 | -1224 | BA |
| CH | ALLALIN | 394 | 20140902 | 20150921 | 100a | 46.040 | 7.911 | 3219 | -666 | BA |
| CH | ALLALIN | 394 | 20140902 | 20150921 | 105 | 46.048 | 7.933 | 2862 | -4500 | BA |
| CH | ALLALIN | 394 | 20140902 | 20150921 | 104 | 46.047 | 7.933 | 2842 | -4140 | BA |
| CH | ALLALIN | 394 | 20140902 | 20150921 | 103 | 46.047 | 7.934 | 2833 | -4500 | BA |
| CH | ALLALIN | 394 | 20140902 | 20150921 | 101 | 46.045 | 7.935 | 2829 | -4500 | BA |
| CH | BASODINO | 463 | 20140926 | 20150831 | 15 | 46.415 | 8.471 | 3020 | -1440 | BA |
| CH | BASODINO | 463 | 20140926 | 20150831 | 8 | 46.413 | 8.474 | 3020 | 90 | BA |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| CH | BASODINO | 463 | 20140926 | 20150831 | 12 | 46.414 | 8.476 | 2970 | -140 | BA |
| CH | BASODINO | 463 | 20140926 | 20150831 | 14 | 46.416 | 8.479 | 2874 | -1428 | BA |
| CH | BASODINO | 463 | 20140926 | 20150831 | 16 | 46.420 | 8.475 | 2848 | -1728 | BA |
| CH | BASODINO | 463 | 20140926 | 20150831 | 2 | 46.418 | 8.480 | 2792 | -2440 | BA |
| CH | BASODINO | 463 | 20140926 | 20150831 | 9 | 46.417 | 8.487 | 2738 | -1292 | BA |
| CH | BASODINO | 463 | 20140926 | 20150831 | 10 | 46.417 | 8.492 | 2680 | -1819 | BA |
| CH | BASODINO | 463 | 20140926 | 20150831 | 11 | 46.416 | 8.496 | 2586 | -1080 | BA |
| CH | BASODINO | 463 | 20149999 | 20150525 | 8 | 46.413 | 8.474 | 3020 | 2300 | BW |
| CH | BASODINO | 463 | 20149999 | 20150525 | 15 | 46.415 | 8.471 | 3020 | 1900 | BW |
| CH | BASODINO | 463 | 20149999 | 20150525 | 12 | 46.414 | 8.476 | 2970 | 1900 | BW |
| CH | BASODINO | 463 | 20149999 | 20150525 | 14 | 46.416 | 8.479 | 2874 | 1750 | BW |
| CH | BASODINO | 463 | 20149999 | 20150525 | 16 | 46.420 | 8.475 | 2848 | 1850 | BW |
| CH | BASODINO | 463 | 20149999 | 20150525 | 2 | 46.418 | 8.480 | 2792 | 1700 | BW |
| CH | BASODINO | 463 | 20149999 | 20150525 | 9 | 46.417 | 8.487 | 2738 | 1700 | BW |
| CH | BASODINO | 463 | 20149999 | 20150525 | 10 | 46.417 | 8.492 | 2680 | 2300 | BW |
| CH | BASODINO | 463 | 20149999 | 20150525 | 11 | 46.416 | 8.496 | 2586 | 2250 | BW |
| CH | CLARIDENFIRN | 2660 | 20130906 | 20140518 | 2 | 46.844 | 8.889 | 2894 | 1882 | BW |
| CH | CLARIDENFIRN | 2660 | 20130906 | 20140518 | 1 | 46.855 | 8.911 | 2679 | 1840 | BW |
| CH | CLARIDENFIRN | 2660 | 20130906 | 20140915 | 2 | 46.844 | 8.889 | 2894 | 837 | BA |
| CH | CLARIDENFIRN | 2660 | 20130906 | 20140915 | 1 | 46.855 | 8.911 | 2679 | -212 | BA |
| CH | CLARIDENFIRN | 2660 | 20140518 | 20140915 | 2 | 46.844 | 8.889 | 2894 | -1045 | BS |
| CH | CLARIDENFIRN | 2660 | 20140518 | 20140915 | 1 | 46.855 | 8.911 | 2679 | -2052 | BS |
| CH | CLARIDENFIRN | 2660 | 20140915 | 20150514 | U | 46.844 | 8.889 | 2889 | 2294 | BW |
| CH | CLARIDENFIRN | 2660 | 20140915 | 20150514 | L | 46.855 | 8.911 | 2667 | 1901 | BW |
| CH | CLARIDENFIRN | 2660 | 20140915 | 20151011 | U | 46.844 | 8.889 | 2889 | 348 | BA |
| CH | CLARIDENFIRN | 2660 | 20140915 | 20151011 | L | 46.855 | 8.911 | 2667 | -2133 | BA |
| CH | CORBASSIERE | 366 | 20130925 | 20140908 | 7 | 45.989 | 7.300 | 2660 | -2835 | BA |
| CH | CORBASSIERE | 366 | 20130925 | 20140908 | 6 | 45.989 | 7.302 | 2655 | -2925 | BA |
| CH | CORBASSIERE | 366 | 20130925 | 20140908 | 5 | 45.990 | 7.304 | 2653 | -2763 | BA |
| CH | CORBASSIERE | 366 | 20130925 | 20140908 | 4 | 45.994 | 7.299 | 2630 | -3447 | BA |
| CH | CORBASSIERE | 366 | 20130925 | 20140908 | 3 | 45.999 | 7.288 | 2476 | -2574 | BA |
| CH | CORBASSIERE | 366 | 20130925 | 20140908 | 2 | 46.000 | 7.291 | 2473 | -4041 | BA |
| CH | CORBASSIERE | 366 | 20130925 | 20140908 | 1 | 46.000 | 7.290 | 2469 | -3591 | BA |
| CH | CORBASSIERE | 366 | 20140908 | 20150908 | 625 | 45.989 | 7.300 | 2637 | -4635 | BA |
| CH | CORBASSIERE | 366 | 20140908 | 20150908 | 623 | 45.989 | 7.302 | 2634 | -4284 | BA |
| CH | CORBASSIERE | 366 | 20140908 | 20150908 | 621 | 45.990 | 7.304 | 2631 | -4752 | BA |
| CH | CORBASSIERE | 366 | 20140908 | 20150908 | 670 | 45.994 | 7.299 | 2597 | -5175 | BA |
| CH | CORBASSIERE | 366 | 20140908 | 20150908 | 722 | 46.000 | 7.291 | 2436 | -5967 | BA |
| CH | CORBASSIERE | 366 | 20140908 | 20150908 | 725 | 45.999 | 7.288 | 2430 | -3735 | BA |
| CH | CORBASSIERE | 366 | 20140908 | 20150908 | 723 | 46.000 | 7.290 | 2429 | -5256 | BA |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140415 | COR212 | 46.415 | 9.822 | 3322 | 860 | BW |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140415 | COR1013 | 46.414 | 9.822 | 3297 | 1590 | BW |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140415 | COR112 | 46.416 | 9.822 | 3292 | 940 | BW |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140415 | COR312 | 46.416 | 9.823 | 3288 | 940 | BW |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140415 | COR412 | 46.417 | 9.824 | 3258 | 1110 | BW |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140415 | TSL_a | 46.417 | 9.824 | 3255 | 1110 | BW |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140415 | TSL_b | 46.418 | 9.825 | 3240 | 1110 | BW |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140415 | COR512 | 46.419 | 9.826 | 3221 | 910 | BW |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140415 | COR612 | 46.420 | 9.826 | 3212 | 840 | BW |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140415 | COR712 | 46.420 | 9.827 | 3186 | 1090 | BW |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140415 | COR812 | 46.420 | 9.828 | 3156 | 1090 | BW |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140415 | COR912 | 46.421 | 9.828 | 3100 | 1400 | BW |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140830 | COR212 | 46.415 | 9.822 | 3322 | 100 | BA |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140830 | COR1013 | 46.414 | 9.822 | 3297 | 350 | BA |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140830 | COR112 | 46.416 | 9.822 | 3292 | 400 | BA |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140830 | COR312 | 46.416 | 9.823 | 3288 | 190 | BA |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140830 | COR412 | 46.417 | 9.824 | 3258 | 100 | BA |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140830 | TSL_a | 46.417 | 9.824 | 3255 | -250 | BA |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140830 | TSL_b | 46.418 | 9.825 | 3240 | -250 | BA |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140830 | COR512 | 46.419 | 9.826 | 3221 | -250 | BA |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140830 | COR612 | 46.420 | 9.826 | 3212 | 0 | BA |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140830 | COR712 | 46.420 | 9.827 | 3186 | -290 | BA |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140830 | COR812 | 46.420 | 9.828 | 3156 | -170 | BA |
| CH | CORVATSCH SOUTH | 4535 | 20130831 | 20140830 | COR912 | 46.421 | 9.828 | 3100 | 80 | BA |
| CH | CORVATSCH SOUTH | 4535 | 20140415 | 20140830 | COR212 | 46.415 | 9.822 | 3322 | -760 | BS |
| CH | CORVATSCH SOUTH | 4535 | 20140415 | 20140830 | COR1013 | 46.414 | 9.822 | 3297 | -1240 | BS |
| CH | CORVATSCH SOUTH | 4535 | 20140415 | 20140830 | COR112 | 46.416 | 9.822 | 3292 | -540 | BS |
| CH | CORVATSCH SOUTH | 4535 | 20140415 | 20140830 | COR312 | 46.416 | 9.823 | 3288 | -750 | BS |
| CH | CORVATSCH SOUTH | 4535 | 20140415 | 20140830 | COR412 | 46.417 | 9.824 | 3258 | -1010 | BS |
| CH | CORVATSCH SOUTH | 4535 | 20140415 | 20140830 | TSL_a | 46.417 | 9.824 | 3255 | -1360 | BS |
| CH | CORVATSCH SOUTH | 4535 | 20140415 | 20140830 | TSL_b | 46.418 | 9.825 | 3240 | -1360 | BS |
| CH | CORVATSCH SOUTH | 4535 | 20140415 | 20140830 | COR512 | 46.419 | 9.826 | 3221 | -1160 | BS |
| CH | CORVATSCH SOUTH | 4535 | 20140415 | 20140830 | COR612 | 46.420 | 9.826 | 3212 | -840 | BS |
| CH | CORVATSCH SOUTH | 4535 | 20140415 | 20140830 | COR712 | 46.420 | 9.827 | 3186 | -1380 | BS |
| CH | CORVATSCH SOUTH | 4535 | 20140415 | 20140830 | COR812 | 46.420 | 9.828 | 3156 | -1260 | BS |
| CH | CORVATSCH SOUTH | 4535 | 20140415 | 20140830 | COR912 | 46.421 | 9.828 | 3100 | -1320 | BS |
| CH | CORVATSCH SOUTH | 4535 | 20141004 | 20150419 | 312 | 46.416 | 9.823 | 3288 | 640 | BW |
| CH | CORVATSCH SOUTH | 4535 | 20141004 | 20150419 | 712 | 46.420 | 9.827 | 3186 | 1060 | BW |
| CH | CORVATSCH SOUTH | 4535 | 20141004 | 20150419 | 812 | 46.420 | 9.828 | 3156 | 1060 | BW |
| CH | CORVATSCH SOUTH | 4535 | 20141004 | 20150919 | 312 | 46.416 | 9.823 | 3288 | -1670 | BA |
| CH | CORVATSCH SOUTH | 4535 | 20141004 | 20150919 | 712 | 46.420 | 9.827 | 3186 | -2070 | BA |
| CH | CORVATSCH SOUTH | 4535 | 20141004 | 20150919 | 812 | 46.420 | 9.828 | 3156 | -1870 | BA |
| CH | FINDELEN | 389 | 20130925 | 20140409 | Fi-1020 | 45.982 | 7.879 | 3449 | 1900 | BW |
| CH | FINDELEN | 389 | 20130925 | 20140409 | Fi-1010 | 45.996 | 7.891 | 3341 | 1290 | BW |
| CH | FINDELEN | 389 | 20130925 | 20140409 | Fi-910 | 46.000 | 7.882 | 3258 | 1190 | BW |
| CH | FINDELEN | 389 | 20130925 | 20140409 | Fi-940 | 45.989 | 7.872 | 3249 | 1280 | BW |
| CH | FINDELEN | 389 | 20130925 | 20140409 | Fi-810 | 46.001 | 7.869 | 3150 | 780 | BW |
| CH | FINDELEN | 389 | 20130925 | 20140409 | Fi-800 | 45.996 | 7.868 | 3116 | 1020 | BW |
| CH | FINDELEN | 389 | 20130925 | 20140409 | Fi-820 | 45.994 | 7.859 | 3088 | 980 | BW |
| CH | FINDELEN | 389 | 20130925 | 20140409 | Fi-700 | 46.000 | 7.858 | 3036 | 1000 | BW |
| CH | FINDELEN | 389 | 20130925 | 20140409 | Fi-610 | 46.006 | 7.856 | 2952 | 1150 | BW |
| CH | FINDELEN | 389 | 20130925 | 20140409 | Fi-500 | 46.007 | 7.853 | 2909 | 830 | BW |
| CH | FINDELEN | 389 | 20130925 | 20140409 | Fi-400 | 46.009 | 7.845 | 2802 | 550 | BW |
| CH | FINDELEN | 389 | 20130925 | 20140409 | Fi-320 | 46.008 | 7.839 | 2705 | 490 | BW |
| CH | FINDELEN | 389 | 20130925 | 20140409 | Fi-310 | 46.010 | 7.837 | 2691 | 290 | BW |
| CH | FINDELEN | 389 | 20130925 | 20140409 | Fi-200 | 46.010 | 7.830 | 2623 | 370 | BW |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| CH | FINDELEN | 389 | 20130925 | 20140927 | Fi-1020 | 45.982 | 7.879 | 3449 | 1640 | BA |
| CH | FINDELEN | 389 | 20130925 | 20140927 | Fi-1010 | 45.996 | 7.891 | 3341 | 1010 | BA |
| CH | FINDELEN | 389 | 20130925 | 20140927 | Fi-910 | 46.000 | 7.882 | 3258 | 400 | BA |
| CH | FINDELEN | 389 | 20130925 | 20140927 | Fi-940 | 45.989 | 7.872 | 3249 | 350 | BA |
| CH | FINDELEN | 389 | 20130925 | 20140927 | Fi-810 | 46.001 | 7.869 | 3150 | -930 | BA |
| CH | FINDELEN | 389 | 20130925 | 20140927 | Fi-800 | 45.996 | 7.868 | 3116 | -610 | BA |
| CH | FINDELEN | 389 | 20130925 | 20140927 | Fi-820 | 45.994 | 7.859 | 3088 | -890 | BA |
| CH | FINDELEN | 389 | 20130925 | 20140927 | Fi-700 | 46.000 | 7.858 | 3036 | -1320 | BA |
| CH | FINDELEN | 389 | 20130925 | 20140927 | Fi-610 | 46.006 | 7.856 | 2952 | -2110 | BA |
| CH | FINDELEN | 389 | 20130925 | 20140927 | Fi-500 | 46.007 | 7.853 | 2909 | -2350 | BA |
| CH | FINDELEN | 389 | 20130925 | 20140927 | Fi-400 | 46.009 | 7.845 | 2802 | -3550 | BA |
| CH | FINDELEN | 389 | 20130925 | 20140927 | Fi-320 | 46.008 | 7.839 | 2705 | -5260 | BA |
| CH | FINDELEN | 389 | 20130925 | 20140927 | Fi-310 | 46.010 | 7.837 | 2691 | -4410 | BA |
| CH | FINDELEN | 389 | 20130925 | 20140927 | Fi-200 | 46.010 | 7.830 | 2623 | -6120 | BA |
| CH | FINDELEN | 389 | 20140409 | 20140927 | Fi-1020 | 45.982 | 7.879 | 3449 | -260 | BS |
| CH | FINDELEN | 389 | 20140409 | 20140927 | Fi-1010 | 45.996 | 7.891 | 3341 | -280 | BS |
| CH | FINDELEN | 389 | 20140409 | 20140927 | Fi-910 | 46.000 | 7.882 | 3258 | -790 | BS |
| CH | FINDELEN | 389 | 20140409 | 20140927 | Fi-940 | 45.989 | 7.872 | 3249 | -930 | BS |
| CH | FINDELEN | 389 | 20140409 | 20140927 | Fi-810 | 46.001 | 7.869 | 3150 | -1710 | BS |
| CH | FINDELEN | 389 | 20140409 | 20140927 | Fi-800 | 45.996 | 7.868 | 3116 | -1630 | BS |
| CH | FINDELEN | 389 | 20140409 | 20140927 | Fi-820 | 45.994 | 7.859 | 3088 | -1870 | BS |
| CH | FINDELEN | 389 | 20140409 | 20140927 | Fi-700 | 46.000 | 7.858 | 3036 | -2320 | BS |
| CH | FINDELEN | 389 | 20140409 | 20140927 | Fi-610 | 46.006 | 7.856 | 2952 | -3260 | BS |
| CH | FINDELEN | 389 | 20140409 | 20140927 | Fi-500 | 46.007 | 7.853 | 2909 | -3180 | BS |
| CH | FINDELEN | 389 | 20140409 | 20140927 | Fi-400 | 46.009 | 7.845 | 2802 | -4100 | BS |
| CH | FINDELEN | 389 | 20140409 | 20140927 | Fi-320 | 46.008 | 7.839 | 2705 | -5750 | BS |
| CH | FINDELEN | 389 | 20140409 | 20140927 | Fi-310 | 46.010 | 7.837 | 2691 | -4700 | BS |
| CH | FINDELEN | 389 | 20140409 | 20140927 | Fi-200 | 46.010 | 7.830 | 2623 | -6490 | BS |
| CH | FINDELEN | 389 | 20140927 | 20150409 | Fi-1020 | 45.982 | 7.879 | 3450 | 1300 | BW |
| CH | FINDELEN | 389 | 20140927 | 20150409 | Fi-1010 | 45.996 | 7.892 | 3345 | 1330 | BW |
| CH | FINDELEN | 389 | 20140927 | 20150409 | Fi-910 | 46.000 | 7.882 | 3255 | 1370 | BW |
| CH | FINDELEN | 389 | 20140927 | 20150409 | Fi-940 | 45.989 | 7.872 | 3247 | 1130 | BW |
| CH | FINDELEN | 389 | 20140927 | 20150409 | Fi-810 | 46.001 | 7.869 | 3146 | 1240 | BW |
| CH | FINDELEN | 389 | 20140927 | 20150409 | Fi-800 | 45.995 | 7.869 | 3122 | 1360 | BW |
| CH | FINDELEN | 389 | 20140927 | 20150409 | Fi-800o | 45.996 | 7.868 | 3116 | 1310 | BW |
| CH | FINDELEN | 389 | 20140927 | 20150409 | Fi-820 | 45.995 | 7.859 | 3086 | 970 | BW |
| CH | FINDELEN | 389 | 20140927 | 20150409 | Fi-700 | 46.000 | 7.858 | 3035 | 1060 | BW |
| CH | FINDELEN | 389 | 20140927 | 20150409 | Fi-610 | 46.006 | 7.857 | 2961 | 1010 | BW |
| CH | FINDELEN | 389 | 20140927 | 20150409 | Fi-500 | 46.006 | 7.854 | 2917 | 900 | BW |
| CH | FINDELEN | 389 | 20140927 | 20150409 | Fi-320 | 46.008 | 7.839 | 2705 | 630 | BW |
| CH | FINDELEN | 389 | 20140927 | 20150409 | Fi-310 | 46.010 | 7.838 | 2694 | 640 | BW |
| CH | FINDELEN | 389 | 20140927 | 20150409 | Fi-200 | 46.010 | 7.830 | 2623 | 630 | BW |
| CH | FINDELEN | 389 | 20140927 | 20150921 | Fi-1020 | 45.982 | 7.879 | 3450 | 1240 | BA |
| CH | FINDELEN | 389 | 20140927 | 20150921 | Fi-1010 | 45.996 | 7.892 | 3345 | 660 | BA |
| CH | FINDELEN | 389 | 20140927 | 20150921 | Fi-910 | 46.000 | 7.882 | 3255 | -250 | BA |
| CH | FINDELEN | 389 | 20140927 | 20150921 | Fi-940 | 45.989 | 7.872 | 3247 | -170 | BA |
| CH | FINDELEN | 389 | 20140927 | 20150921 | Fi-810 | 46.001 | 7.869 | 3146 | -2010 | BA |
| CH | FINDELEN | 389 | 20140927 | 20150921 | Fi-800 | 45.995 | 7.869 | 3122 | -1280 | BA |
| CH | FINDELEN | 389 | 20140927 | 20150921 | Fi-800o | 45.996 | 7.868 | 3116 | -930 | BA |
| CH | FINDELEN | 389 | 20140927 | 20150921 | Fi-820 | 45.995 | 7.859 | 3086 | -2330 | BA |
| CH | FINDELEN | 389 | 20140927 | 20150921 | Fi-700 | 46.000 | 7.858 | 3035 | -2610 | BA |
| CH | FINDELEN | 389 | 20140927 | 20150921 | Fi-610 | 46.006 | 7.857 | 2961 | -3560 | BA |
| CH | FINDELEN | 389 | 20140927 | 20150921 | Fi-500 | 46.006 | 7.854 | 2917 | -3880 | BA |
| CH | FINDELEN | 389 | 20140927 | 20150921 | Fi-320 | 46.008 | 7.839 | 2705 | -7030 | BA |
| CH | FINDELEN | 389 | 20140927 | 20150921 | Fi-310 | 46.010 | 7.838 | 2694 | -5730 | BA |
| CH | FINDELEN | 389 | 20140927 | 20150921 | Fi-200 | 46.010 | 7.830 | 2623 | -7780 | BA |
| CH | GIETRO | 367 | 20130925 | 20140908 | 9 | 45.983 | 7.389 | 3308 | 290 | BA |
| CH | GIETRO | 367 | 20130925 | 20140908 | 8 | 45.987 | 7.395 | 3255 | 225 | BA |
| CH | GIETRO | 367 | 20130925 | 20140908 | 7 | 45.992 | 7.390 | 3191 | -168 | BA |
| CH | GIETRO | 367 | 20130925 | 20140908 | 6 | 45.999 | 7.382 | 3060 | -846 | BA |
| CH | GIETRO | 367 | 20130925 | 20140908 | 5 | 46.002 | 7.372 | 2926 | -2439 | BA |
| CH | GIETRO | 367 | 20130925 | 20140908 | 4 | 46.003 | 7.370 | 2873 | -2790 | BA |
| CH | GIETRO | 367 | 20130925 | 20140908 | 3 | 46.002 | 7.368 | 2809 | -3942 | BA |
| CH | GIETRO | 367 | 20130925 | 20140908 | 2 | 46.002 | 7.367 | 2774 | -4203 | BA |
| CH | GIETRO | 367 | 20130925 | 20140908 | 1 | 46.001 | 7.366 | 2690 | -4554 | BA |
| CH | GIETRO | 367 | 20140908 | 20150908 | 1 | 45.983 | 7.389 | 3300 | -728 | BA |
| CH | GIETRO | 367 | 20140908 | 20150908 | 2 | 45.987 | 7.395 | 3248 | -532 | BA |
| CH | GIETRO | 367 | 20140908 | 20150908 | 4 | 45.992 | 7.390 | 3187 | -1275 | BA |
| CH | GIETRO | 367 | 20140908 | 20150908 | 5 | 45.999 | 7.382 | 3054 | -2997 | BA |
| CH | GIETRO | 367 | 20140908 | 20150908 | 107 | 46.002 | 7.372 | 2931 | -4653 | BA |
| CH | GIETRO | 367 | 20140908 | 20150908 | 101 | 46.002 | 7.371 | 2873 | -4257 | BA |
| CH | GIETRO | 367 | 20140908 | 20150908 | 102 | 46.002 | 7.369 | 2825 | -6525 | BA |
| CH | GIETRO | 367 | 20140908 | 20150908 | 103 | 46.002 | 7.369 | 2806 | -6345 | BA |
| CH | GIETRO | 367 | 20140908 | 20150908 | 104 | 46.001 | 7.368 | 2774 | -5985 | BA |
| CH | GRIES | 359 | 20140910 | 20150908 | 113 | 46.433 | 8.317 | 3031 | -730 | BA |
| CH | GRIES | 359 | 20140910 | 20150908 | 111 | 46.431 | 8.318 | 3030 | -1110 | BA |
| CH | GRIES | 359 | 20140910 | 20150908 | 112 | 46.432 | 8.318 | 3028 | -890 | BA |
| CH | GRIES | 359 | 20140910 | 20150908 | 102 | 46.434 | 8.323 | 2997 | -1150 | BA |
| CH | GRIES | 359 | 20140910 | 20150908 | 101 | 46.435 | 8.322 | 2990 | -1460 | BA |
| CH | GRIES | 359 | 20140910 | 20150908 | 92 | 46.436 | 8.327 | 2958 | -1260 | BA |
| CH | GRIES | 359 | 20140910 | 20150908 | 91 | 46.437 | 8.327 | 2951 | -1160 | BA |
| CH | GRIES | 359 | 20140910 | 20150908 | 81 | 46.438 | 8.332 | 2902 | -2370 | BA |
| CH | GRIES | 359 | 20140910 | 20150908 | 82 | 46.438 | 8.336 | 2871 | -1960 | BA |
| CH | GRIES | 359 | 20140910 | 20150908 | 71 | 46.440 | 8.341 | 2773 | -2070 | BA |
| CH | GRIES | 359 | 20140910 | 20150908 | 61 | 46.441 | 8.342 | 2714 | -3380 | BA |
| CH | GRIES | 359 | 20140910 | 20150908 | 51 | 46.445 | 8.340 | 2608 | -3550 | BA |
| CH | GRIES | 359 | 20140910 | 20150908 | 52 | 46.445 | 8.341 | 2601 | -2700 | BA |
| CH | GRIES | 359 | 20140910 | 20150908 | 41 | 46.448 | 8.346 | 2552 | -3990 | BA |
| CH | GRIES | 359 | 20140910 | 20150908 | 42 | 46.448 | 8.346 | 2552 | -4080 | BA |
| CH | GRIES | 359 | 20140910 | 20150908 | 31 | 46.450 | 8.350 | 2535 | -3740 | BA |
| CH | GRIES | 359 | 20140910 | 20150908 | 22 | 46.451 | 8.353 | 2510 | -4870 | BA |
| CH | GRIES | 359 | 20140910 | 20150908 | 21 | 46.452 | 8.354 | 2499 | -4730 | BA |
| CH | GRIES | 359 | 20149999 | 20150422 | 113 | 46.433 | 8.317 | 3031 | 1680 | BW |
| CH | GRIES | 359 | 20149999 | 20150422 | 111 | 46.431 | 8.318 | 3030 | 1920 | BW |
| CH | GRIES | 359 | 20149999 | 20150422 | 112 | 46.432 | 8.318 | 3028 | 1920 | BW |
| CH | GRIES | 359 | 20149999 | 20150422 | 102 | 46.434 | 8.323 | 2997 | 1900 | BW |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| CH | GRIES | 359 | 20149999 | 20150422 | 101 | 46.435 | 8.322 | 2990 | 1870 | BW |
| CH | GRIES | 359 | 20149999 | 20150422 | 92 | 46.436 | 8.327 | 2958 | 1820 | BW |
| CH | GRIES | 359 | 20149999 | 20150422 | 91 | 46.437 | 8.327 | 2951 | 1750 | BW |
| CH | GRIES | 359 | 20149999 | 20150422 | 81 | 46.438 | 8.332 | 2902 | 1780 | BW |
| CH | GRIES | 359 | 20149999 | 20150422 | 82 | 46.438 | 8.336 | 2871 | 1800 | BW |
| CH | GRIES | 359 | 20149999 | 20150422 | 71 | 46.440 | 8.341 | 2773 | 1700 | BW |
| CH | GRIES | 359 | 20149999 | 20150422 | 61 | 46.441 | 8.342 | 2714 | 1700 | BW |
| CH | GRIES | 359 | 20149999 | 20150422 | 51 | 46.445 | 8.340 | 2608 | 1510 | BW |
| CH | GRIES | 359 | 20149999 | 20150422 | 52 | 46.445 | 8.341 | 2601 | 1700 | BW |
| CH | GRIES | 359 | 20149999 | 20150422 | 42 | 46.448 | 8.346 | 2552 | 1490 | BW |
| CH | GRIES | 359 | 20149999 | 20150422 | 41 | 46.448 | 8.346 | 2552 | 1490 | BW |
| CH | GRIES | 359 | 20149999 | 20150422 | 31 | 46.450 | 8.350 | 2535 | 1540 | BW |
| CH | GRIES | 359 | 20149999 | 20150422 | 22 | 46.451 | 8.353 | 2510 | 1440 | BW |
| CH | GRIES | 359 | 20149999 | 20150422 | 21 | 46.452 | 8.354 | 2499 | 1660 | BW |
| CH | HOHLAUB | 3332 | 20130829 | 20140902 | 1 | 46.057 | 7.922 | 3032 | -864 | BA |
| CH | HOHLAUB | 3332 | 20140902 | 20150921 | 110 | 46.057 | 7.922 | 3032 | -2070 | BA |
| CH | MURTEL | 4339 | 20130901 | 20140415 | MUR412 | 46.407 | 9.822 | 3211 | 1570 | BW |
| CH | MURTEL | 4339 | 20130901 | 20140415 | MUR613 | 46.407 | 9.823 | 3201 | 1760 | BW |
| CH | MURTEL | 4339 | 20130901 | 20140415 | MUR713 | 46.408 | 9.823 | 3197 | 1450 | BW |
| CH | MURTEL | 4339 | 20130901 | 20140415 | MUR312 | 46.409 | 9.825 | 3178 | 1490 | BW |
| CH | MURTEL | 4339 | 20130901 | 20140415 | MUR212 | 46.409 | 9.826 | 3142 | 1550 | BW |
| CH | MURTEL | 4339 | 20130901 | 20140415 | MUR513 | 46.410 | 9.827 | 3119 | 1360 | BW |
| CH | MURTEL | 4339 | 20130901 | 20140415 | MUR112 | 46.411 | 9.828 | 3100 | 1360 | BW |
| CH | MURTEL | 4339 | 20130901 | 20140831 | MUR412 | 46.407 | 9.822 | 3211 | 740 | BA |
| CH | MURTEL | 4339 | 20130901 | 20140831 | MUR613 | 46.407 | 9.823 | 3201 | 390 | BA |
| CH | MURTEL | 4339 | 20130901 | 20140831 | MUR713 | 46.408 | 9.823 | 3197 | 770 | BA |
| CH | MURTEL | 4339 | 20130901 | 20140831 | MUR312 | 46.409 | 9.825 | 3178 | 200 | BA |
| CH | MURTEL | 4339 | 20130901 | 20140831 | MUR212 | 46.409 | 9.826 | 3142 | 50 | BA |
| CH | MURTEL | 4339 | 20130901 | 20140831 | MUR513 | 46.410 | 9.827 | 3119 | 200 | BA |
| CH | MURTEL | 4339 | 20130901 | 20140831 | MUR112 | 46.411 | 9.828 | 3100 | -320 | BA |
| CH | MURTEL | 4339 | 20140415 | 20140831 | MUR412 | 46.407 | 9.822 | 3211 | -830 | BS |
| CH | MURTEL | 4339 | 20140415 | 20140831 | MUR613 | 46.407 | 9.823 | 3201 | -1370 | BS |
| CH | MURTEL | 4339 | 20140415 | 20140831 | MUR713 | 46.408 | 9.823 | 3197 | -680 | BS |
| CH | MURTEL | 4339 | 20140415 | 20140831 | MUR312 | 46.409 | 9.825 | 3178 | -1290 | BS |
| CH | MURTEL | 4339 | 20140415 | 20140831 | MUR212 | 46.409 | 9.826 | 3142 | -1500 | BS |
| CH | MURTEL | 4339 | 20140415 | 20140831 | MUR513 | 46.410 | 9.827 | 3119 | -1160 | BS |
| CH | MURTEL | 4339 | 20140415 | 20140831 | MUR112 | 46.411 | 9.828 | 3100 | -1680 | BS |
| CH | MURTEL | 4339 | 20141004 | 20150419 | 412 | 46.407 | 9.822 | 3211 | 1170 | BW |
| CH | MURTEL | 4339 | 20141004 | 20150419 | 713 | 46.408 | 9.823 | 3197 | 1230 | BW |
| CH | MURTEL | 4339 | 20141004 | 20150419 | 312 | 46.409 | 9.825 | 3178 | 910 | BW |
| CH | MURTEL | 4339 | 20141004 | 20150419 | 212 | 46.409 | 9.826 | 3142 | 1060 | BW |
| CH | MURTEL | 4339 | 20141004 | 20150419 | 513 | 46.410 | 9.827 | 3119 | 810 | BW |
| CH | MURTEL | 4339 | 20141004 | 20150419 | 112 | 46.411 | 9.828 | 3100 | 740 | BW |
| CH | MURTEL | 4339 | 20141004 | 20150919 | 412 | 46.407 | 9.822 | 3211 | -700 | BA |
| CH | MURTEL | 4339 | 20141004 | 20150919 | 713 | 46.408 | 9.823 | 3197 | -740 | BA |
| CH | MURTEL | 4339 | 20141004 | 20150919 | 312 | 46.409 | 9.825 | 3178 | -1080 | BA |
| CH | MURTEL | 4339 | 20141004 | 20150919 | 212 | 46.409 | 9.826 | 3142 | -1690 | BA |
| CH | MURTEL | 4339 | 20141004 | 20150919 | 513 | 46.410 | 9.827 | 3119 | -2080 | BA |
| CH | MURTEL | 4339 | 20141004 | 20150919 | 112 | 46.411 | 9.828 | 3100 | -2210 | BA |
| CH | OBERAAR | 451 | 20130928 | 20140926 | OA2 | 46.537 | 8.225 | 2394 | -3960 | IN |
| CH | OBERAAR | 451 | 20140926 | 20150805 | OA2 | 46.537 | 8.226 | 2408 | -2745 | IN |
| CH | OBERAAR | 451 | 20150805 | 20150926 | OA2 | 46.537 | 8.226 | 2410 | -1782 | IN |
| CH | PIZOL | 417 | 20130923 | 20140331 | 312 | 46.958 | 9.388 | 2776 | 1660 | BW |
| CH | PIZOL | 417 | 20130923 | 20140331 | 712 | 46.959 | 9.388 | 2752 | 1200 | BW |
| CH | PIZOL | 417 | 20130923 | 20140331 | 912 | 46.959 | 9.390 | 2713 | 1010 | BW |
| CH | PIZOL | 417 | 20130923 | 20140331 | 211 | 46.960 | 9.389 | 2691 | 1090 | BW |
| CH | PIZOL | 417 | 20130923 | 20140331 | 513 | 46.960 | 9.389 | 2675 | 990 | BW |
| CH | PIZOL | 417 | 20130923 | 20140331 | 812 | 46.960 | 9.390 | 2671 | 950 | BW |
| CH | PIZOL | 417 | 20130923 | 20140331 | 813 | 46.960 | 9.390 | 2668 | 1050 | BW |
| CH | PIZOL | 417 | 20130923 | 20140331 | 413 | 46.961 | 9.389 | 2657 | 1050 | BW |
| CH | PIZOL | 417 | 20130923 | 20140331 | 112 | 46.961 | 9.390 | 2629 | 1140 | BW |
| CH | PIZOL | 417 | 20130923 | 20140920 | 312 | 46.958 | 9.388 | 2776 | -950 | BA |
| CH | PIZOL | 417 | 20130923 | 20140920 | 712 | 46.959 | 9.388 | 2752 | -1380 | BA |
| CH | PIZOL | 417 | 20130923 | 20140920 | 912 | 46.959 | 9.390 | 2713 | -1170 | BA |
| CH | PIZOL | 417 | 20130923 | 20140920 | 211 | 46.960 | 9.389 | 2691 | -1140 | BA |
| CH | PIZOL | 417 | 20130923 | 20140920 | 513 | 46.960 | 9.389 | 2675 | -1490 | BA |
| CH | PIZOL | 417 | 20130923 | 20140920 | 812 | 46.960 | 9.390 | 2671 | -1500 | BA |
| CH | PIZOL | 417 | 20130923 | 20140920 | 813 | 46.960 | 9.390 | 2668 | -1710 | BA |
| CH | PIZOL | 417 | 20130923 | 20140920 | 413 | 46.961 | 9.389 | 2657 | -2310 | BA |
| CH | PIZOL | 417 | 20130923 | 20140920 | 112 | 46.961 | 9.390 | 2629 | -1310 | BA |
| CH | PIZOL | 417 | 20140331 | 20140920 | 312 | 46.958 | 9.388 | 2776 | -2610 | BS |
| CH | PIZOL | 417 | 20140331 | 20140920 | 712 | 46.959 | 9.388 | 2752 | -2580 | BS |
| CH | PIZOL | 417 | 20140331 | 20140920 | 912 | 46.959 | 9.390 | 2713 | -2180 | BS |
| CH | PIZOL | 417 | 20140331 | 20140920 | 211 | 46.960 | 9.389 | 2691 | -2230 | BS |
| CH | PIZOL | 417 | 20140331 | 20140920 | 513 | 46.960 | 9.389 | 2675 | -2480 | BS |
| CH | PIZOL | 417 | 20140331 | 20140920 | 812 | 46.960 | 9.390 | 2671 | -2450 | BS |
| CH | PIZOL | 417 | 20140331 | 20140920 | 813 | 46.960 | 9.390 | 2668 | -2760 | BS |
| CH | PIZOL | 417 | 20140331 | 20140920 | 413 | 46.961 | 9.389 | 2657 | -3360 | BS |
| CH | PIZOL | 417 | 20140331 | 20140920 | 112 | 46.961 | 9.390 | 2629 | -2450 | BS |
| CH | PIZOL | 417 | 20140920 | 20150511 | 914 | 46.959 | 9.389 | 2714 | 2020 | BW |
| CH | PIZOL | 417 | 20140920 | 20150511 | 611 | 46.959 | 9.390 | 2709 | 1970 | BW |
| CH | PIZOL | 417 | 20140920 | 20150511 | 211 | 46.960 | 9.389 | 2691 | 1860 | BW |
| CH | PIZOL | 417 | 20140920 | 20150511 | 514 | 46.960 | 9.388 | 2676 | 2000 | BW |
| CH | PIZOL | 417 | 20140920 | 20150511 | 814 | 46.960 | 9.390 | 2667 | 1530 | BW |
| CH | PIZOL | 417 | 20140920 | 20150511 | 414 | 46.961 | 9.389 | 2661 | 1550 | BW |
| CH | PIZOL | 417 | 20140920 | 20150511 | 114 | 46.961 | 9.390 | 2630 | 1530 | BW |
| CH | PIZOL | 417 | 20140920 | 20150927 | 914 | 46.959 | 9.389 | 2714 | -1640 | BA |
| CH | PIZOL | 417 | 20140920 | 20150927 | 611 | 46.959 | 9.390 | 2709 | -700 | BA |
| CH | PIZOL | 417 | 20140920 | 20150927 | 211 | 46.960 | 9.389 | 2691 | -1300 | BA |
| CH | PIZOL | 417 | 20140920 | 20150927 | 514 | 46.960 | 9.388 | 2676 | -1750 | BA |
| CH | PIZOL | 417 | 20140920 | 20150927 | 814 | 46.960 | 9.390 | 2667 | -2070 | BA |
| CH | PIZOL | 417 | 20140920 | 20150927 | 414 | 46.961 | 9.389 | 2661 | -3280 | BA |
| CH | PIZOL | 417 | 20140920 | 20150927 | 114 | 46.961 | 9.390 | 2630 | -1860 | BA |
| CH | PLAINE MORTE | 4246 | 20131002 | 20140328 | plm3-11 | 46.380 | 7.510 | 2724 | 1200 | BW |
| CH | PLAINE MORTE | 4246 | 20131002 | 20140328 | plm1-14 | 46.378 | 7.488 | 2709 | 1080 | BW |
| CH | PLAINE MORTE | 4246 | 20131002 | 20140328 | plm6-14 | 46.381 | 7.496 | 2695 | 1070 | BW |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| CH | PLAINE MORTE | 4246 | 20131002 | 20140328 | plm5-11 | 46.386 | 7.504 | 2674 | 1070 | BW |
| CH | PLAINE MORTE | 4246 | 20131002 | 20140928 | plm3-11 | 46.380 | 7.510 | 2724 | -680 | BA |
| CH | PLAINE MORTE | 4246 | 20131002 | 20140928 | plm1-14 | 46.378 | 7.488 | 2709 | -1440 | BA |
| CH | PLAINE MORTE | 4246 | 20131002 | 20140928 | plm6-14 | 46.381 | 7.496 | 2695 | -1180 | BA |
| CH | PLAINE MORTE | 4246 | 20131002 | 20140928 | plm5-11 | 46.386 | 7.504 | 2674 | -1160 | BA |
| CH | PLAINE MORTE | 4246 | 20140328 | 20140928 | plm3-11 | 46.380 | 7.510 | 2724 | -1880 | BS |
| CH | PLAINE MORTE | 4246 | 20140328 | 20140928 | plm1-14 | 46.378 | 7.488 | 2709 | -2520 | BS |
| CH | PLAINE MORTE | 4246 | 20140328 | 20140928 | plm6-14 | 46.381 | 7.496 | 2695 | -2250 | BS |
| CH | PLAINE MORTE | 4246 | 20140328 | 20140928 | plm5-11 | 46.386 | 7.504 | 2674 | -2230 | BS |
| CH | PLAINE MORTE | 4246 | 20140928 | 20150410 | plm3-14 | 46.380 | 7.510 | 2721 | 1310 | BW |
| CH | PLAINE MORTE | 4246 | 20140928 | 20150410 | plm1-14 | 46.378 | 7.488 | 2703 | 1260 | BW |
| CH | PLAINE MORTE | 4246 | 20140928 | 20150410 | plm6-14 | 46.381 | 7.496 | 2691 | 1300 | BW |
| CH | PLAINE MORTE | 4246 | 20140928 | 20150410 | plm5-11 | 46.386 | 7.504 | 2670 | 1390 | BW |
| CH | PLAINE MORTE | 4246 | 20140928 | 20151023 | plm3-14 | 46.380 | 7.510 | 2721 | -2220 | BA |
| CH | PLAINE MORTE | 4246 | 20140928 | 20151023 | plm1-14 | 46.378 | 7.488 | 2703 | -2890 | BA |
| CH | PLAINE MORTE | 4246 | 20140928 | 20151023 | plm6-14 | 46.381 | 7.496 | 2691 | -2480 | BA |
| CH | PLAINE MORTE | 4246 | 20140928 | 20151023 | plm5-11 | 46.386 | 7.504 | 2670 | -2620 | BA |
| CH | RHONE | 473 | 20140910 | 20150422 | 1404 | 46.612 | 8.396 | 2748 | 1463 | BW |
| CH | RHONE | 473 | 20140910 | 20150422 | 1405 | 46.605 | 8.385 | 2606 | 732 | BW |
| CH | RHONE | 473 | 20140910 | 20150422 | 1406 | 46.595 | 8.384 | 2470 | 827 | BW |
| CH | RHONE | 473 | 20140910 | 20150422 | 1407 | 46.589 | 8.387 | 2363 | 855 | BW |
| CH | RHONE | 473 | 20140910 | 20150422 | 1423 | 46.587 | 8.387 | 2325 | 1121 | BW |
| CH | RHONE | 473 | 20140910 | 20150422 | 1408 | 46.585 | 8.387 | 2301 | 1340 | BW |
| CH | RHONE | 473 | 20140910 | 20150422 | 1409 | 46.583 | 8.386 | 2254 | 1093 | BW |
| CH | RHONE | 473 | 20140910 | 20150422 | 1410 | 46.582 | 8.385 | 2235 | 1012 | BW |
| CH | RHONE | 473 | 20140910 | 20150910 | 1404 | 46.612 | 8.396 | 2748 | -2057 | BA |
| CH | RHONE | 473 | 20140910 | 20150910 | 1405 | 46.605 | 8.385 | 2606 | -4310 | BA |
| CH | RHONE | 473 | 20140910 | 20150910 | 1406 | 46.595 | 8.384 | 2470 | -5576 | BA |
| CH | RHONE | 473 | 20140910 | 20150910 | 1407 | 46.589 | 8.387 | 2363 | -5950 | BA |
| CH | RHONE | 473 | 20140910 | 20150910 | 1423 | 46.587 | 8.387 | 2325 | -5627 | BA |
| CH | RHONE | 473 | 20140910 | 20150910 | 1408 | 46.585 | 8.387 | 2301 | -5109 | BA |
| CH | RHONE | 473 | 20140910 | 20150910 | 1409 | 46.583 | 8.386 | 2254 | -5228 | BA |
| CH | RHONE | 473 | 20140910 | 20150910 | 1410 | 46.582 | 8.385 | 2235 | -5296 | BA |
| CH | RHONE | 473 | 20140911 | 20150422 | 1401 | 46.647 | 8.403 | 3236 | 1995 | BW |
| CH | RHONE | 473 | 20140911 | 20150422 | 1402 | 46.641 | 8.400 | 3124 | 2104 | BW |
| CH | RHONE | 473 | 20140911 | 20150422 | 1403 | 46.632 | 8.393 | 2931 | 1948 | BW |
| CH | RHONE | 473 | 20140911 | 20150422 | 1412 | 46.623 | 8.398 | 2845 | 1867 | BW |
| CH | RHONE | 473 | 20140911 | 20150909 | 1402 | 46.641 | 8.400 | 3124 | 1094 | BA |
| CH | RHONE | 473 | 20140911 | 20150909 | 1403 | 46.632 | 8.393 | 2931 | 894 | BA |
| CH | RHONE | 473 | 20140911 | 20150909 | 1412 | 46.623 | 8.398 | 2845 | -1284 | BA |
| CH | RHONE | 473 | 20140911 | 20150910 | 1401 | 46.647 | 8.403 | 3236 | 1306 | BA |
| CH | SANKT ANNA | 432 | 20131002 | 20140410 | STA813 | 46.596 | 8.598 | 2855 | 1510 | BW |
| CH | SANKT ANNA | 432 | 20131002 | 20140410 | Akk5 | 46.596 | 8.601 | 2806 | 1960 | BW |
| CH | SANKT ANNA | 432 | 20131002 | 20140410 | Akk4 | 46.597 | 8.603 | 2804 | 2100 | BW |
| CH | SANKT ANNA | 432 | 20131002 | 20140410 | STA112 | 46.597 | 8.601 | 2790 | 2210 | BW |
| CH | SANKT ANNA | 432 | 20131002 | 20140410 | Akk2 | 46.597 | 8.602 | 2771 | 2140 | BW |
| CH | SANKT ANNA | 432 | 20131002 | 20140410 | STA212 | 46.598 | 8.602 | 2735 | 1630 | BW |
| CH | SANKT ANNA | 432 | 20131002 | 20140410 | STA612 | 46.599 | 8.603 | 2705 | 1630 | BW |
| CH | SANKT ANNA | 432 | 20131002 | 20140410 | STA312 | 46.599 | 8.601 | 2701 | 1700 | BW |
| CH | SANKT ANNA | 432 | 20131002 | 20140410 | STA712 | 46.600 | 8.600 | 2681 | 1630 | BW |
| CH | SANKT ANNA | 432 | 20131002 | 20140410 | STA412 | 46.600 | 8.602 | 2666 | 1100 | BW |
| CH | SANKT ANNA | 432 | 20131002 | 20140410 | STA913 | 46.601 | 8.601 | 2638 | 1470 | BW |
| CH | SANKT ANNA | 432 | 20131002 | 20140923 | STA813 | 46.596 | 8.598 | 2855 | -960 | BA |
| CH | SANKT ANNA | 432 | 20131002 | 20140923 | Akk5 | 46.596 | 8.601 | 2806 | 340 | BA |
| CH | SANKT ANNA | 432 | 20131002 | 20140923 | Akk4 | 46.597 | 8.603 | 2804 | 330 | BA |
| CH | SANKT ANNA | 432 | 20131002 | 20140923 | STA112 | 46.597 | 8.601 | 2790 | -70 | BA |
| CH | SANKT ANNA | 432 | 20131002 | 20140923 | Akk2 | 46.597 | 8.602 | 2771 | 90 | BA |
| CH | SANKT ANNA | 432 | 20131002 | 20140923 | STA212 | 46.598 | 8.602 | 2735 | -170 | BA |
| CH | SANKT ANNA | 432 | 20131002 | 20140923 | STA612 | 46.599 | 8.603 | 2705 | -1100 | BA |
| CH | SANKT ANNA | 432 | 20131002 | 20140923 | STA312 | 46.599 | 8.601 | 2701 | -740 | BA |
| CH | SANKT ANNA | 432 | 20131002 | 20140923 | STA712 | 46.600 | 8.600 | 2681 | -960 | BA |
| CH | SANKT ANNA | 432 | 20131002 | 20140923 | STA412 | 46.600 | 8.602 | 2666 | -1580 | BA |
| CH | SANKT ANNA | 432 | 20131002 | 20140923 | STA913 | 46.601 | 8.601 | 2638 | -1220 | BA |
| CH | SANKT ANNA | 432 | 20140410 | 20140923 | STA813 | 46.596 | 8.598 | 2855 | -2470 | BS |
| CH | SANKT ANNA | 432 | 20140410 | 20140923 | Akk5 | 46.596 | 8.601 | 2806 | -1620 | BS |
| CH | SANKT ANNA | 432 | 20140410 | 20140923 | Akk4 | 46.597 | 8.603 | 2804 | -1770 | BS |
| CH | SANKT ANNA | 432 | 20140410 | 20140923 | STA112 | 46.597 | 8.601 | 2790 | -2280 | BS |
| CH | SANKT ANNA | 432 | 20140410 | 20140923 | Akk2 | 46.597 | 8.602 | 2771 | -2050 | BS |
| CH | SANKT ANNA | 432 | 20140410 | 20140923 | STA212 | 46.598 | 8.602 | 2735 | -1800 | BS |
| CH | SANKT ANNA | 432 | 20140410 | 20140923 | STA612 | 46.599 | 8.603 | 2705 | -2730 | BS |
| CH | SANKT ANNA | 432 | 20140410 | 20140923 | STA312 | 46.599 | 8.601 | 2701 | -2440 | BS |
| CH | SANKT ANNA | 432 | 20140410 | 20140923 | STA712 | 46.600 | 8.600 | 2681 | -2590 | BS |
| CH | SANKT ANNA | 432 | 20140410 | 20140923 | STA412 | 46.600 | 8.602 | 2666 | -2680 | BS |
| CH | SANKT ANNA | 432 | 20140410 | 20140923 | STA913 | 46.601 | 8.601 | 2638 | -2690 | BS |
| CH | SANKT ANNA | 432 | 20140923 | 20150415 | 814 | 46.596 | 8.598 | 2858 | 1420 | BW |
| CH | SANKT ANNA | 432 | 20140923 | 20150415 | 112 | 46.597 | 8.601 | 2790 | 1830 | BW |
| CH | SANKT ANNA | 432 | 20140923 | 20150415 | 212 | 46.598 | 8.602 | 2735 | 1850 | BW |
| CH | SANKT ANNA | 432 | 20140923 | 20150415 | 612 | 46.599 | 8.603 | 2705 | 1700 | BW |
| CH | SANKT ANNA | 432 | 20140923 | 20150415 | 312 | 46.599 | 8.601 | 2701 | 1760 | BW |
| CH | SANKT ANNA | 432 | 20140923 | 20150415 | 712 | 46.600 | 8.600 | 2681 | 1660 | BW |
| CH | SANKT ANNA | 432 | 20140923 | 20150415 | 414 | 46.600 | 8.602 | 2675 | 1270 | BW |
| CH | SANKT ANNA | 432 | 20140923 | 20150415 | 1014 | 46.600 | 8.601 | 2656 | 1360 | BW |
| CH | SANKT ANNA | 432 | 20140923 | 20150415 | 913 | 46.601 | 8.601 | 2638 | 1620 | BW |
| CH | SANKT ANNA | 432 | 20140923 | 20150928 | 814 | 46.596 | 8.598 | 2858 | -1870 | BA |
| CH | SANKT ANNA | 432 | 20140923 | 20150928 | 112 | 46.597 | 8.601 | 2790 | -1170 | BA |
| CH | SANKT ANNA | 432 | 20140923 | 20150928 | 212 | 46.598 | 8.602 | 2735 | -850 | BA |
| CH | SANKT ANNA | 432 | 20140923 | 20150928 | 612 | 46.599 | 8.603 | 2705 | -1810 | BA |
| CH | SANKT ANNA | 432 | 20140923 | 20150928 | 312 | 46.599 | 8.601 | 2701 | -1360 | BA |
| CH | SANKT ANNA | 432 | 20140923 | 20150928 | 712 | 46.600 | 8.600 | 2681 | -2090 | BA |
| CH | SANKT ANNA | 432 | 20140923 | 20150928 | 414 | 46.600 | 8.602 | 2675 | -3000 | BA |
| CH | SANKT ANNA | 432 | 20140923 | 20150928 | 1014 | 46.600 | 8.601 | 2656 | -2920 | BA |
| CH | SANKT ANNA | 432 | 20140923 | 20150928 | 913 | 46.601 | 8.601 | 2638 | -2920 | BA |
| CH | SCHWARZBACH | 4340 | 20130907 | 20140411 | Akk3 | 46.596 | 8.610 | 2808 | 1960 | BW |
| CH | SCHWARZBACH | 4340 | 20130907 | 20140411 | Akk1 | 46.596 | 8.612 | 2800 | 2430 | BW |
| CH | SCHWARZBACH | 4340 | 20130907 | 20140411 | SWZ212 | 46.596 | 8.610 | 2796 | 1930 | BW |
| CH | SCHWARZBACH | 4340 | 20130907 | 20140411 | SWZ112 | 46.597 | 8.612 | 2757 | 1570 | BW |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| CH | SCHWARZBACH | 4340 | 20130907 | 20140924 | Akk3 | 46.596 | 8.610 | 2808 | -170 | BA |
| CH | SCHWARZBACH | 4340 | 20130907 | 20140924 | Akk1 | 46.596 | 8.612 | 2800 | 150 | BA |
| CH | SCHWARZBACH | 4340 | 20130907 | 20140924 | SWZ212 | 46.596 | 8.610 | 2796 | -310 | BA |
| CH | SCHWARZBACH | 4340 | 20130907 | 20140924 | SWZ112 | 46.597 | 8.612 | 2757 | -1530 | BA |
| CH | SCHWARZBACH | 4340 | 20140411 | 20140924 | Akk3 | 46.596 | 8.610 | 2808 | -2130 | BS |
| CH | SCHWARZBACH | 4340 | 20140411 | 20140924 | Akk1 | 46.596 | 8.612 | 2800 | -2280 | BS |
| CH | SCHWARZBACH | 4340 | 20140411 | 20140924 | SWZ212 | 46.596 | 8.610 | 2796 | -2240 | BS |
| CH | SCHWARZBACH | 4340 | 20140411 | 20140924 | SWZ112 | 46.597 | 8.612 | 2757 | -3100 | BS |
| CH | SCHWARZBACH | 4340 | 20140924 | 20150415 | 212 | 46.596 | 8.610 | 2793 | 2210 | BW |
| CH | SCHWARZBACH | 4340 | 20140924 | 20150415 | 314 | 46.596 | 8.612 | 2785 | 2000 | BW |
| CH | SCHWARZBACH | 4340 | 20140924 | 20150415 | 114 | 46.597 | 8.612 | 2760 | 1830 | BW |
| CH | SCHWARZBACH | 4340 | 20140924 | 20150928 | 212 | 46.596 | 8.610 | 2793 | -980 | BA |
| CH | SCHWARZBACH | 4340 | 20140924 | 20150928 | 314 | 46.596 | 8.612 | 2785 | -1460 | BA |
| CH | SCHWARZBACH | 4340 | 20140924 | 20150928 | 114 | 46.597 | 8.612 | 2760 | -2510 | BA |
| CH | SCHWARZBERG | 395 | 20130829 | 20140902 | 2 | 46.016 | 7.933 | 2858 | -1827 | BA |
| CH | SCHWARZBERG | 395 | 20130829 | 20140902 | 1 | 46.021 | 7.936 | 2780 | -2079 | BA |
| CH | SCHWARZBERG | 395 | 20140902 | 20150921 | 124 | 46.008 | 7.930 | 2981 | -2016 | BA |
| CH | SCHWARZBERG | 395 | 20140902 | 20150921 | 120 | 46.016 | 7.933 | 2858 | -2970 | BA |
| CH | SCHWARZBERG | 395 | 20140902 | 20150921 | 123 | 46.021 | 7.936 | 2780 | -3726 | BA |
| CH | SEX ROUGE | 454 | 20130914 | 20140417 | SER612 | 46.327 | 7.216 | 2835 | 1350 | BW |
| CH | SEX ROUGE | 454 | 20130914 | 20140417 | SER713 | 46.327 | 7.213 | 2810 | 1130 | BW |
| CH | SEX ROUGE | 454 | 20130914 | 20140417 | SER312 | 46.329 | 7.216 | 2806 | 1020 | BW |
| CH | SEX ROUGE | 454 | 20130914 | 20140417 | SER212 | 46.327 | 7.214 | 2804 | 850 | BW |
| CH | SEX ROUGE | 454 | 20130914 | 20140417 | SER512 | 46.328 | 7.212 | 2785 | 1050 | BW |
| CH | SEX ROUGE | 454 | 20130914 | 20140417 | SER412 | 46.330 | 7.215 | 2777 | 900 | BW |
| CH | SEX ROUGE | 454 | 20130914 | 20140922 | SER612 | 46.327 | 7.216 | 2835 | -200 | BA |
| CH | SEX ROUGE | 454 | 20130914 | 20140922 | SER713 | 46.327 | 7.213 | 2810 | -670 | BA |
| CH | SEX ROUGE | 454 | 20130914 | 20140922 | SER312 | 46.329 | 7.216 | 2806 | -520 | BA |
| CH | SEX ROUGE | 454 | 20130914 | 20140922 | SER212 | 46.327 | 7.214 | 2804 | -1030 | BA |
| CH | SEX ROUGE | 454 | 20130914 | 20140922 | SER512 | 46.328 | 7.212 | 2785 | -800 | BA |
| CH | SEX ROUGE | 454 | 20130914 | 20140922 | SER412 | 46.330 | 7.215 | 2777 | -1090 | BA |
| CH | SEX ROUGE | 454 | 20140417 | 20140922 | SER612 | 46.327 | 7.216 | 2835 | -1550 | BS |
| CH | SEX ROUGE | 454 | 20140417 | 20140922 | SER713 | 46.327 | 7.213 | 2810 | -1800 | BS |
| CH | SEX ROUGE | 454 | 20140417 | 20140922 | SER312 | 46.329 | 7.216 | 2806 | -1540 | BS |
| CH | SEX ROUGE | 454 | 20140417 | 20140922 | SER212 | 46.327 | 7.214 | 2804 | -1880 | BS |
| CH | SEX ROUGE | 454 | 20140417 | 20140922 | SER512 | 46.328 | 7.212 | 2785 | -1850 | BS |
| CH | SEX ROUGE | 454 | 20140417 | 20140922 | SER412 | 46.330 | 7.215 | 2777 | -1990 | BS |
| CH | SEX ROUGE | 454 | 20140922 | 20150421 | 714 | 46.327 | 7.213 | 2810 | 1080 | BW |
| CH | SEX ROUGE | 454 | 20140922 | 20150421 | 312 | 46.329 | 7.216 | 2806 | 1380 | BW |
| CH | SEX ROUGE | 454 | 20140922 | 20150421 | 212 | 46.327 | 7.214 | 2804 | 1430 | BW |
| CH | SEX ROUGE | 454 | 20140922 | 20150421 | 512 | 46.328 | 7.212 | 2785 | 780 | BW |
| CH | SEX ROUGE | 454 | 20140922 | 20150920 | 714 | 46.327 | 7.213 | 2810 | -2300 | BA |
| CH | SEX ROUGE | 454 | 20140922 | 20150920 | 312 | 46.329 | 7.216 | 2806 | -2020 | BA |
| CH | SEX ROUGE | 454 | 20140922 | 20150920 | 212 | 46.327 | 7.214 | 2804 | -1950 | BA |
| CH | SEX ROUGE | 454 | 20140922 | 20150920 | 512 | 46.328 | 7.212 | 2785 | -2950 | BA |
| CH | SILVRETTA | 408 | 20140920 | 20150925 | 1411 | 46.851 | 10.071 | 2718 | -1930 | BA |
| CH | SILVRETTA | 408 | 20140920 | 20150925 | 1205 | 46.855 | 10.076 | 2712 | -1913 | BA |
| CH | SILVRETTA | 408 | 20140920 | 20150925 | 1218 | 46.854 | 10.072 | 2683 | -2159 | BA |
| CH | SILVRETTA | 408 | 20140920 | 20150925 | 1406 | 46.857 | 10.069 | 2613 | -3026 | BA |
| CH | SILVRETTA | 408 | 20140920 | 20150926 | 1301 | 46.846 | 10.085 | 2978 | -1160 | BA |
| CH | SILVRETTA | 408 | 20140920 | 20150926 | 1402 | 46.849 | 10.087 | 2954 | -960 | BA |
| CH | SILVRETTA | 408 | 20140920 | 20150926 | 1110 | 46.847 | 10.081 | 2932 | -1360 | BA |
| CH | SILVRETTA | 408 | 20140920 | 20150926 | 1403 | 46.851 | 10.085 | 2902 | 64 | BA |
| CH | SILVRETTA | 408 | 20140920 | 20150926 | 1404 | 46.854 | 10.084 | 2815 | -1528 | BA |
| CH | SILVRETTA | 408 | 20140920 | 20150926 | 1317 | 46.856 | 10.081 | 2770 | -1488 | BA |
| CH | SILVRETTA | 408 | 20140920 | 20150926 | 1216 | 46.852 | 10.079 | 2761 | -1989 | BA |
| CH | SILVRETTA | 408 | 20140921 | 20150925 | 1312 | 46.854 | 10.067 | 2588 | -2244 | BA |
| CH | SILVRETTA | 408 | 20140921 | 20150925 | 1407 | 46.857 | 10.064 | 2562 | -3018 | BA |
| CH | SILVRETTA | 408 | 20140921 | 20150925 | 1413 | 46.855 | 10.061 | 2533 | -3927 | BA |
| CH | SILVRETTA | 408 | 20140921 | 20150925 | 1408 | 46.856 | 10.060 | 2518 | -2882 | BA |
| CH | SILVRETTA | 408 | 20140921 | 20150925 | 1409 | 46.856 | 10.058 | 2491 | -3417 | BA |
| CH | SILVRETTA | 408 | 20149999 | 20150504 | 1301 | 46.846 | 10.085 | 2986 | 1344 | BW |
| CH | SILVRETTA | 408 | 20149999 | 20150504 | 1402 | 46.849 | 10.087 | 2955 | 1455 | BW |
| CH | SILVRETTA | 408 | 20149999 | 20150504 | 1110 | 46.847 | 10.081 | 2932 | 1411 | BW |
| CH | SILVRETTA | 408 | 20149999 | 20150504 | 1403 | 46.851 | 10.085 | 2887 | 1291 | BW |
| CH | SILVRETTA | 408 | 20149999 | 20150504 | 1315 | 46.849 | 10.077 | 2859 | 1282 | BW |
| CH | SILVRETTA | 408 | 20149999 | 20150504 | 1404 | 46.854 | 10.084 | 2803 | 1242 | BW |
| CH | SILVRETTA | 408 | 20149999 | 20150504 | 1317 | 46.856 | 10.081 | 2772 | 1113 | BW |
| CH | SILVRETTA | 408 | 20149999 | 20150504 | 1411 | 46.851 | 10.071 | 2730 | 1348 | BW |
| CH | SILVRETTA | 408 | 20149999 | 20150504 | 1205 | 46.855 | 10.076 | 2714 | 1348 | BW |
| CH | SILVRETTA | 408 | 20149999 | 20150504 | 1406 | 46.857 | 10.069 | 2605 | 1308 | BW |
| CH | SILVRETTA | 408 | 20149999 | 20150504 | 1312 | 46.854 | 10.067 | 2600 | 1322 | BW |
| CH | SILVRETTA | 408 | 20149999 | 20150504 | 1407 | 46.857 | 10.064 | 2546 | 1421 | BW |
| CH | SILVRETTA | 408 | 20149999 | 20150504 | 1413 | 46.855 | 10.061 | 2538 | 1230 | BW |
| CH | SILVRETTA | 408 | 20149999 | 20150504 | 1408 | 46.856 | 10.059 | 2528 | 1299 | BW |
| CH | SILVRETTA | 408 | 20149999 | 20150504 | 1409 | 46.856 | 10.057 | 2488 | 1348 | BW |
| CH | SILVRETTA | 408 | 20149999 | 20150505 | 1216 | 46.852 | 10.079 | 2768 | 1362 | BW |
| CH | SILVRETTA | 408 | 20149999 | 20150505 | 1218 | 46.854 | 10.072 | 2695 | 1313 | BW |
| CH | TSANFLEURON | 371 | 20130913 | 20140417 | ts2-12 | 46.317 | 7.217 | 2850 | 1750 | BW |
| CH | TSANFLEURON | 371 | 20130913 | 20140417 | ts3-12 | 46.315 | 7.223 | 2804 | 1310 | BW |
| CH | TSANFLEURON | 371 | 20130913 | 20140417 | ts4-12 | 46.324 | 7.231 | 2718 | 1390 | BW |
| CH | TSANFLEURON | 371 | 20130913 | 20140417 | ts5-12 | 46.322 | 7.234 | 2688 | 1270 | BW |
| CH | TSANFLEURON | 371 | 20130913 | 20140417 | ts6-12 | 46.324 | 7.241 | 2603 | 1280 | BW |
| CH | TSANFLEURON | 371 | 20130913 | 20140911 | ts2-12 | 46.317 | 7.217 | 2850 | 130 | BA |
| CH | TSANFLEURON | 371 | 20130913 | 20140911 | ts3-12 | 46.315 | 7.223 | 2804 | -230 | BA |
| CH | TSANFLEURON | 371 | 20130913 | 20140911 | ts4-12 | 46.324 | 7.231 | 2718 | -640 | BA |
| CH | TSANFLEURON | 371 | 20130913 | 20140911 | ts5-12 | 46.322 | 7.234 | 2688 | -1420 | BA |
| CH | TSANFLEURON | 371 | 20130913 | 20140911 | ts6-12 | 46.324 | 7.241 | 2603 | -2470 | BA |
| CH | TSANFLEURON | 371 | 20140417 | 20140911 | ts2-12 | 46.317 | 7.217 | 2850 | -1620 | BS |
| CH | TSANFLEURON | 371 | 20140417 | 20140911 | ts3-12 | 46.315 | 7.223 | 2804 | -1540 | BS |
| CH | TSANFLEURON | 371 | 20140417 | 20140911 | ts4-12 | 46.324 | 7.231 | 2718 | -2030 | BS |
| CH | TSANFLEURON | 371 | 20140417 | 20140911 | ts5-12 | 46.322 | 7.234 | 2688 | -2690 | BS |
| CH | TSANFLEURON | 371 | 20140417 | 20140911 | ts6-12 | 46.324 | 7.241 | 2603 | -3750 | BS |
| CH | TSANFLEURON | 371 | 20140911 | 20150420 | ts2-12 | 46.317 | 7.217 | 2850 | 1350 | BW |
| CH | TSANFLEURON | 371 | 20140911 | 20150420 | ts1-14 | 46.323 | 7.225 | 2756 | 1530 | BW |
| CH | TSANFLEURON | 371 | 20140911 | 20150420 | ts5-14 | 46.322 | 7.234 | 2684 | 1460 | BW |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| CH | TSANFLEURON | 371 | 20140911 | 20150420 | ts6-14 | 46.324 | 7.240 | 2607 | 1570 | BW |
| CH | TSANFLEURON | 371 | 20140911 | 20150921 | ts2-12 | 46.317 | 7.217 | 2850 | -2100 | BA |
| CH | TSANFLEURON | 371 | 20140911 | 20150921 | ts1-14 | 46.323 | 7.225 | 2756 | -2370 | BA |
| CH | TSANFLEURON | 371 | 20140911 | 20150921 | ts5-14 | 46.322 | 7.234 | 2684 | -3720 | BA |
| CH | TSANFLEURON | 371 | 20140911 | 20150921 | ts6-14 | 46.324 | 7.240 | 2607 | -3970 | BA |
| **CL - Chile** | | | | | | | | | | |
| CL | AMARILLO | 3905 | 20139999 | 20149999 | A1-09 | | | 5242 | -493 | BA |
| CL | AMARILLO | 3905 | 20139999 | 20149999 | A7-12 | | | 5230 | -60 | BA |
| CL | AMARILLO | 3905 | 20139999 | 20149999 | A6-12 | | | 5212 | -1301 | BA |
| CL | AMARILLO | 3905 | 20139999 | 20149999 | A2-I-09 | | | 5183 | -1309 | BA |
| CL | AMARILLO | 3905 | 20139999 | 20149999 | A8-12 | | | 5180 | -578 | BA |
| CL | AMARILLO | 3905 | 20139999 | 20149999 | A4-13 | | | 5169 | -774 | BA |
| CL | AMARILLO | 3905 | 20139999 | 20149999 | A5-12 | | | 5153 | -2491 | BA |
| CL | AMARILLO | 3905 | 20140426 | 20141218 | A1 | -29.302 | -70 | 5241 | -255 | BW |
| CL | AMARILLO | 3905 | 20140426 | 20141218 | A7 | -29.302 | -70.002 | 5230 | -417 | BW |
| CL | AMARILLO | 3905 | 20140426 | 20141218 | A6 | -29.303 | -69.999 | 5211 | 148 | BW |
| CL | AMARILLO | 3905 | 20140426 | 20141218 | A2 | -29.304 | -70.002 | 5181 | -357 | BW |
| CL | AMARILLO | 3905 | 20140426 | 20141218 | A8 | -29.304 | -70.003 | 5179 | -289 | BW |
| CL | AMARILLO | 3905 | 20140426 | 20141218 | A4 | -29.304 | -70.000 | 5168 | -170 | BW |
| CL | AMARILLO | 3905 | 20140426 | 20141218 | A5 | -29.304 | -70.002 | 5151 | -34 | BW |
| CL | AMARILLO | 3905 | 20140426 | 20150514 | A1 | -29.302 | -70 | 5241 | -815 | BA |
| CL | AMARILLO | 3905 | 20140426 | 20150514 | A7 | -29.302 | -70.002 | 5230 | -874 | BA |
| CL | AMARILLO | 3905 | 20140426 | 20150514 | A6 | -29.303 | -69.999 | 5211 | -1107 | BA |
| CL | AMARILLO | 3905 | 20140426 | 20150514 | A2 | -29.304 | -70.002 | 5181 | -1410 | BA |
| CL | AMARILLO | 3905 | 20140426 | 20150514 | A8 | -29.304 | -70.003 | 5179 | -1259 | BA |
| CL | AMARILLO | 3905 | 20140426 | 20150514 | A4 | -29.304 | -70.000 | 5168 | -1216 | BA |
| CL | AMARILLO | 3905 | 20140426 | 20150514 | A5 | -29.304 | -70.002 | 5151 | -2039 | BA |
| **CN - China** | | | | | | | | | | |
| CN | PARLUNG NO. 94 | 3987 | 20131005 | 20141002 | 6 | 29.389 | 96.975 | 5264 | -1947 | BA |
| CN | PARLUNG NO. 94 | 3987 | 20131005 | 20141002 | 7 | 29.389 | 96.974 | 5260 | -1950 | BA |
| CN | PARLUNG NO. 94 | 3987 | 20131005 | 20141002 | 5 | 29.391 | 96.973 | 5240 | -2334 | BA |
| CN | PARLUNG NO. 94 | 3987 | 20131005 | 20141002 | 4 | 29.393 | 96.974 | 5190 | -2745 | BA |
| CN | PARLUNG NO. 94 | 3987 | 20131005 | 20141002 | 3 | 29.395 | 96.974 | 5160 | -3351 | BA |
| CN | PARLUNG NO. 94 | 3987 | 20131005 | 20141002 | 2 | 29.397 | 96.973 | 5120 | -3764 | BA |
| CN | PARLUNG NO. 94 | 3987 | 20131005 | 20141002 | 1 | 29.399 | 96.973 | 5081 | -4347 | BA |
| CN | PARLUNG NO. 94 | 3987 | 20141002 | 20150929 | 11 | 29.385 | 96.976 | 5325 | -480 | BA |
| CN | PARLUNG NO. 94 | 3987 | 20141002 | 20150929 | 10 | 29.386 | 96.976 | 5292 | -929 | BA |
| CN | PARLUNG NO. 94 | 3987 | 20141002 | 20150929 | 9 | 29.388 | 96.975 | 5266 | -1437 | BA |
| CN | PARLUNG NO. 94 | 3987 | 20141002 | 20150929 | 8 | 29.391 | 96.974 | 5232 | -1876 | BA |
| CN | PARLUNG NO. 94 | 3987 | 20141002 | 20150929 | 7 | 29.393 | 96.974 | 5190 | -1805 | BA |
| CN | PARLUNG NO. 94 | 3987 | 20141002 | 20150929 | 6 | 29.395 | 96.974 | 5160 | -2401 | BA |
| CN | PARLUNG NO. 94 | 3987 | 20141002 | 20150929 | 5 | 29.395 | 96.973 | 5159 | -2013 | BA |
| CN | PARLUNG NO. 94 | 3987 | 20141002 | 20150929 | 4 | 29.395 | 96.974 | 5158 | -3015 | BA |
| CN | PARLUNG NO. 94 | 3987 | 20141002 | 20150929 | 3 | 29.397 | 96.973 | 5122 | -2687 | BA |
| CN | PARLUNG NO. 94 | 3987 | 20141002 | 20150929 | 2 | 29.397 | 96.973 | 5119 | -3276 | BA |
| CN | PARLUNG NO. 94 | 3987 | 20141002 | 20150929 | 1 | 29.398 | 96.973 | 5093 | -3739 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | K | | | 4100 | 280 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | J | | | 4080 | 250 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | H3 | 43.105 | 86.809 | 4066 | 215 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | I | 43.105 | 86.807 | 4056 | 200 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | H1 | 43.106 | 86.805 | 4049 | 10 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | H2 | 43.105 | 86.807 | 4048 | 194 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | G3 | 43.107 | 86.810 | 4007 | 231 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | G1 | 43.108 | 86.807 | 4006 | 7 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | G2 | 43.108 | 86.808 | 3999 | 57 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | F3 | 43.109 | 86.811 | 3975 | 189 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | F1 | 43.109 | 86.808 | 3967 | 120 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | F2 | 43.109 | 86.809 | 3962 | 140 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | E3 | 43.110 | 86.811 | 3933 | 20 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | E1 | 43.111 | 86.808 | 3932 | -20 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | E2 | 43.110 | 86.809 | 3932 | 4 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | D1 | 43.114 | 86.810 | 3886 | -11 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | D2 | 43.114 | 86.812 | 3876 | -30 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | D3 | 43.114 | 86.813 | 3863 | 49 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | C2 | 43.116 | 86.813 | 3843 | -69 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | C3 | 43.115 | 86.815 | 3805 | -30 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | B1 | 43.116 | 86.814 | 3804 | -200 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | B3 | 43.115 | 86.816 | 3799 | -172 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | B2 | 43.115 | 86.816 | 3793 | -250 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | A | 43.116 | 86.816 | 3771 | -138 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140502 | C1 | | | | -100 | BW |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | K | | | 4100 | 501 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | J | | | 4080 | 120 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | H3 | 43.105 | 86.809 | 4066 | 222 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | I | 43.105 | 86.807 | 4056 | 111 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | H1 | 43.106 | 86.805 | 4049 | -264 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | H2 | 43.105 | 86.807 | 4048 | 46 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | G3 | 43.107 | 86.810 | 4007 | 172 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | G1 | 43.108 | 86.807 | 4006 | -160 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | G2 | 43.108 | 86.808 | 3999 | -150 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | F3 | 43.109 | 86.811 | 3975 | 83 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | F1 | 43.109 | 86.808 | 3967 | 21 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | F2 | 43.109 | 86.809 | 3962 | 443 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | E3 | 43.110 | 86.811 | 3933 | -230 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | E2 | 43.110 | 86.809 | 3932 | -345 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | E1 | 43.111 | 86.808 | 3932 | -620 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | D1 | 43.114 | 86.810 | 3886 | -705 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | D2 | 43.114 | 86.812 | 3876 | -893 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | D3 | 43.114 | 86.813 | 3863 | -797 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | C2 | 43.116 | 86.813 | 3843 | -1719 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | C3 | 43.115 | 86.815 | 3805 | -1037 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | B1 | 43.116 | 86.814 | 3804 | -2192 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | B3 | 43.115 | 86.816 | 3799 | -2249 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | B2 | 43.115 | 86.816 | 3793 | -1768 | BA |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | A | 43.116 | 86.816 | 3771 | -1769 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20130829 | 20140901 | C1 | | | | -993 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | K | | | 4100 | 221 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | J | | | 4080 | -130 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | H3 | 43.105 | 86.809 | 4066 | 7 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | I | 43.105 | 86.807 | 4056 | -89 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | H1 | 43.106 | 86.805 | 4049 | -274 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | H2 | 43.105 | 86.807 | 4048 | -148 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | G3 | 43.107 | 86.810 | 4007 | -59 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | G1 | 43.108 | 86.807 | 4006 | -167 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | G2 | 43.108 | 86.808 | 3999 | -207 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | F3 | 43.109 | 86.811 | 3975 | -106 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | F1 | 43.109 | 86.808 | 3967 | -99 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | F2 | 43.109 | 86.809 | 3962 | 303 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | E3 | 43.110 | 86.811 | 3933 | -250 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | E1 | 43.111 | 86.808 | 3932 | -600 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | E2 | 43.110 | 86.809 | 3932 | -349 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | D1 | 43.114 | 86.810 | 3886 | -694 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | D2 | 43.114 | 86.812 | 3876 | -863 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | D3 | 43.114 | 86.813 | 3863 | -846 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | C2 | 43.116 | 86.813 | 3843 | -1650 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | C3 | 43.115 | 86.815 | 3805 | -1007 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | B1 | 43.116 | 86.814 | 3804 | -1992 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | B3 | 43.115 | 86.816 | 3799 | -2077 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | B2 | 43.115 | 86.816 | 3793 | -1518 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | A | 43.116 | 86.816 | 3771 | -1631 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140502 | 20140901 | C1 | | | | -893 | BS |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140901 | 20150828 | H3 | 43.105 | 86.809 | 4066 | -460 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140901 | 20150828 | I | 43.105 | 86.807 | 4056 | -276 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140901 | 20150828 | H2 | 43.105 | 86.807 | 4048 | -953 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140901 | 20150828 | F1 | 43.109 | 86.808 | 3967 | -1527 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140901 | 20150828 | F2 | 43.109 | 86.809 | 3962 | -1153 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140901 | 20150828 | E3 | 43.110 | 86.811 | 3933 | -781 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140901 | 20150828 | E2 | 43.110 | 86.809 | 3932 | -1360 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140901 | 20150828 | D2 | 43.114 | 86.812 | 3876 | -1612 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140901 | 20150828 | D3 | 43.114 | 86.813 | 3863 | -1537 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140901 | 20150828 | C2 | 43.116 | 86.813 | 3843 | -2305 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140901 | 20150828 | C1 | 43.116 | 86.812 | 3832 | -2367 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140901 | 20150828 | C3 | 43.115 | 86.815 | 3805 | -1678 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140901 | 20150828 | B3 | 43.115 | 86.816 | 3799 | -3439 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140901 | 20150828 | A | 43.116 | 86.816 | 3771 | -3331 | BA |
| CN | URUMQI GLACIER NO. 1 E-BRANCH | 1511 | 20140901 | 20150828 | K | | | | 144 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140502 | J | | | 4150 | 150 | BW |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140502 | I | 43.116 | 86.801 | 4115 | 330 | BW |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140502 | H1 | 43.118 | 86.801 | 4088 | -25 | BW |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140502 | H2 | 43.117 | 86.802 | 4084 | 88 | BW |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140502 | H3 | 43.117 | 86.803 | 4083 | 234 | BW |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140502 | G1 | 43.119 | 86.804 | 4055 | 100 | BW |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140502 | G3 | 43.117 | 86.805 | 4045 | 174 | BW |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140502 | G2 | 43.117 | 86.805 | 4039 | 150 | BW |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140502 | F3 | 43.117 | 86.807 | 4023 | 69 | BW |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140502 | F1 | 43.119 | 86.805 | 4017 | 24 | BW |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140502 | F2 | 43.118 | 86.806 | 4015 | 0 | BW |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140502 | E1 | 43.119 | 86.808 | 3968 | -135 | BW |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140502 | E2 | 43.119 | 86.808 | 3959 | 20 | BW |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140502 | E3 | 43.118 | 86.809 | 3954 | -91 | BW |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140502 | D2 | 43.119 | 86.810 | 3917 | -225 | BW |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140502 | D3 | 43.118 | 86.811 | 3912 | -200 | BW |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140502 | C2 | 43.118 | 86.811 | 3904 | -444 | BW |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140502 | C1 | 43.119 | 86.811 | 3902 | 16 | BW |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140502 | B1 | 43.119 | 86.811 | 3895 | -329 | BW |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140502 | A | 43.119 | 86.812 | 3875 | -400 | BW |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140502 | D1 | | | | -208 | BW |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140901 | J | | | 4150 | 604 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140901 | I | 43.116 | 86.801 | 4115 | -322 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140901 | H1 | 43.118 | 86.801 | 4088 | -150 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140901 | H2 | 43.117 | 86.802 | 4084 | 19 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140901 | H3 | 43.117 | 86.803 | 4083 | -206 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140901 | G1 | 43.119 | 86.804 | 4055 | -458 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140901 | G3 | 43.117 | 86.805 | 4045 | -7 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140901 | G2 | 43.117 | 86.805 | 4039 | -202 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140901 | F3 | 43.117 | 86.807 | 4023 | -253 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140901 | F1 | 43.119 | 86.805 | 4017 | -439 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140901 | F2 | 43.118 | 86.806 | 4015 | -406 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140901 | E1 | 43.119 | 86.808 | 3968 | -1428 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140901 | E2 | 43.119 | 86.808 | 3959 | -1270 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140901 | E3 | 43.118 | 86.809 | 3954 | -907 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140901 | D2 | 43.119 | 86.810 | 3917 | -1669 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140901 | D3 | 43.118 | 86.811 | 3912 | -1394 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140901 | C2 | 43.118 | 86.811 | 3904 | -2025 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140901 | C1 | 43.119 | 86.811 | 3902 | -1404 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140901 | B1 | 43.119 | 86.811 | 3895 | -1998 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140901 | A | 43.119 | 86.812 | 3875 | -2254 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20130829 | 20140901 | D1 | | | | -1519 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140502 | 20140901 | J | | | 4150 | 454 | BS |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140502 | 20140901 | I | 43.116 | 86.801 | 4115 | -652 | BS |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140502 | 20140901 | H1 | 43.118 | 86.801 | 4088 | -125 | BS |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140502 | 20140901 | H2 | 43.117 | 86.802 | 4084 | -69 | BS |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140502 | 20140901 | H3 | 43.117 | 86.803 | 4083 | -440 | BS |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140502 | 20140901 | G1 | 43.119 | 86.804 | 4055 | -558 | BS |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140502 | 20140901 | G3 | 43.117 | 86.805 | 4045 | -181 | BS |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140502 | 20140901 | G2 | 43.117 | 86.805 | 4039 | -352 | BS |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140502 | 20140901 | F3 | 43.117 | 86.807 | 4023 | -322 | BS |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140502 | 20140901 | F1 | 43.119 | 86.805 | 4017 | -463 | BS |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140502 | 20140901 | F2 | 43.118 | 86.806 | 4015 | -406 | BS |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140502 | 20140901 | E1 | 43.119 | 86.808 | 3968 | -1293 | BS |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140502 | 20140901 | E2 | 43.119 | 86.808 | 3959 | -1290 | BS |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140502 | 20140901 | E3 | 43.118 | 86.809 | 3954 | -816 | BS |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140502 | 20140901 | D2 | 43.119 | 86.810 | 3917 | -1444 | BS |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140502 | 20140901 | D3 | 43.118 | 86.811 | 3912 | -1194 | BS |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140502 | 20140901 | C2 | 43.118 | 86.811 | 3904 | -1581 | BS |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140502 | 20140901 | C1 | 43.119 | 86.811 | 3902 | -1420 | BS |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140502 | 20140901 | B1 | 43.119 | 86.811 | 3895 | -1669 | BS |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140502 | 20140901 | A | 43.119 | 86.812 | 3875 | -1854 | BS |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140502 | 20140901 | D1 | | | | -1311 | BS |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140901 | 20150902 | H1 | 43.118 | 86.801 | 4088 | -980 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140901 | 20150902 | H2 | 43.117 | 86.802 | 4084 | -760 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140901 | 20150902 | G1 | 43.119 | 86.804 | 4055 | -996 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140901 | 20150902 | G3 | 43.117 | 86.805 | 4045 | -567 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140901 | 20150902 | G2 | 43.117 | 86.805 | 4039 | -970 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140901 | 20150902 | F3 | 43.117 | 86.807 | 4023 | -950 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140901 | 20150902 | F1 | 43.119 | 86.805 | 4017 | -1135 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140901 | 20150902 | F2 | 43.118 | 86.806 | 4015 | -1055 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140901 | 20150902 | E1 | 43.119 | 86.808 | 3968 | -1571 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140901 | 20150902 | E2 | 43.119 | 86.808 | 3959 | -1772 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140901 | 20150902 | E3 | 43.118 | 86.809 | 3954 | -1711 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140901 | 20150902 | D1 | 43.120 | 86.810 | 3918 | -2390 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140901 | 20150902 | D2 | 43.119 | 86.810 | 3917 | -1968 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140901 | 20150902 | D3 | 43.118 | 86.811 | 3912 | -2324 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140901 | 20150902 | C2 | 43.118 | 86.811 | 3904 | -2964 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140901 | 20150902 | C1 | 43.119 | 86.811 | 3902 | -2143 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140901 | 20150902 | B1 | 43.119 | 86.811 | 3895 | -2955 | BA |
| CN | URUMQI GLACIER NO. 1 W-BRANCH | 1512 | 20140901 | 20150902 | A | 43.119 | 86.812 | 3875 | -2988 | BA |
| **CO - Colombia** | | | | | | | | | | |
| CO | CONEJERAS | 2721 | 20140101 | 20141231 | 14 | 4.816 | -75.373 | 4895 | -1818 | BA |
| CO | CONEJERAS | 2721 | 20140101 | 20141231 | 13 | 4.816 | -75.373 | 4829 | -2290 | BA |
| CO | CONEJERAS | 2721 | 20140101 | 20141231 | 10 | 4.813 | -75.370 | 4785 | -3574 | BA |
| CO | CONEJERAS | 2721 | 20140101 | 20141231 | 12 | 4.808 | -75.371 | 4770 | -4645 | BA |
| CO | CONEJERAS | 2721 | 20140101 | 20141231 | 11 | 4.809 | -75.372 | 4765 | -4282 | BA |
| CO | CONEJERAS | 2721 | 20140101 | 20141231 | 9 | 4.812 | -75.371 | 4752 | -3791 | BA |
| CO | CONEJERAS | 2721 | 20140101 | 20141231 | 7 | 4.813 | -75.372 | 4745 | -4419 | BA |
| CO | CONEJERAS | 2721 | 20140101 | 20141231 | 8 | 4.811 | -75.372 | 4745 | -4006 | BA |
| CO | CONEJERAS | 2721 | 20140101 | 20141231 | 4 | 4.815 | -75.372 | 4704 | -5535 | BA |
| CO | CONEJERAS | 2721 | 20140101 | 20141231 | 6 | 4.814 | -75.371 | 4703 | -5547 | BA |
| CO | CONEJERAS | 2721 | 20140101 | 20141231 | 5 | 4.815 | -75.371 | 4698 | -5322 | BA |
| CO | CONEJERAS | 2721 | 20140103 | 20141203 | 14 | 4.816 | -75.373 | 4895 | -1760 | BA |
| CO | CONEJERAS | 2721 | 20140103 | 20141203 | 13 | 4.816 | -75.373 | 4829 | -2037 | BA |
| CO | CONEJERAS | 2721 | 20140103 | 20141203 | 10 | 4.813 | -75.370 | 4785 | -3264 | BA |
| CO | CONEJERAS | 2721 | 20140103 | 20141203 | 12 | 4.808 | -75.371 | 4770 | -5212 | BA |
| CO | CONEJERAS | 2721 | 20140103 | 20141203 | 11 | 4.809 | -75.372 | 4765 | -4025 | BA |
| CO | CONEJERAS | 2721 | 20140103 | 20141203 | 9 | 4.812 | -75.371 | 4752 | -3645 | BA |
| CO | CONEJERAS | 2721 | 20140103 | 20141203 | 7 | 4.813 | -75.372 | 4745 | -4106 | BA |
| CO | CONEJERAS | 2721 | 20140103 | 20141203 | 8 | 4.811 | -75.372 | 4745 | -3675 | BA |
| CO | CONEJERAS | 2721 | 20140103 | 20141203 | 4 | 4.815 | -75.372 | 4704 | -5355 | BA |
| CO | CONEJERAS | 2721 | 20140103 | 20141203 | 6 | 4.814 | -75.371 | 4703 | -5279 | BA |
| CO | CONEJERAS | 2721 | 20140103 | 20141203 | 5 | 4.815 | -75.371 | 4698 | -5124 | BA |
| CO | CONEJERAS | 2721 | 20150101 | 20151231 | 14 | 4.816 | -75.373 | 4895 | -2979 | BA |
| CO | CONEJERAS | 2721 | 20150101 | 20151231 | 13 | 4.816 | -75.373 | 4829 | -3766 | BA |
| CO | CONEJERAS | 2721 | 20150101 | 20151231 | 10 | 4.813 | -75.370 | 4785 | -5528 | BA |
| CO | CONEJERAS | 2721 | 20150101 | 20151231 | 12 | 4.808 | -75.371 | 4770 | -5676 | BA |
| CO | CONEJERAS | 2721 | 20150101 | 20151231 | 11 | 4.809 | -75.372 | 4765 | -5953 | BA |
| CO | CONEJERAS | 2721 | 20150101 | 20151231 | 9 | 4.812 | -75.371 | 4752 | -5196 | BA |
| CO | CONEJERAS | 2721 | 20150101 | 20151231 | 7 | 4.813 | -75.372 | 4745 | -5822 | BA |
| CO | CONEJERAS | 2721 | 20150101 | 20151231 | 8 | 4.811 | -75.372 | 4745 | -5665 | BA |
| CO | CONEJERAS | 2721 | 20150101 | 20151231 | 4 | 4.815 | -75.372 | 4704 | -7352 | BA |
| CO | CONEJERAS | 2721 | 20150101 | 20151231 | 6 | 4.814 | -75.371 | 4703 | -7121 | BA |
| CO | CONEJERAS | 2721 | 20150101 | 20151231 | 5 | 4.815 | -75.371 | 4698 | -6573 | BA |
| CO | RITACUBA BLANCO | 2763 | 20140101 | 20141231 | 10 | 6.495 | -72.307 | 5151 | 657 | BA |
| CO | RITACUBA BLANCO | 2763 | 20140101 | 20141231 | 9 | 6.495 | -72.309 | 5110 | 647 | BA |
| CO | RITACUBA BLANCO | 2763 | 20140101 | 20141231 | 7 | 6.495 | -72.311 | 5060 | 482 | BA |
| CO | RITACUBA BLANCO | 2763 | 20140101 | 20141231 | 8 | 6.495 | -72.311 | 5055 | 442 | BA |
| CO | RITACUBA BLANCO | 2763 | 20140101 | 20141231 | 6 | 6.494 | -72.313 | 5010 | -150 | BA |
| CO | RITACUBA BLANCO | 2763 | 20140101 | 20141231 | 5 | 6.495 | -72.313 | 5004 | -420 | BA |
| CO | RITACUBA BLANCO | 2763 | 20140101 | 20141231 | 4 | 6.495 | -72.315 | 4956 | -671 | BA |
| CO | RITACUBA BLANCO | 2763 | 20140101 | 20141231 | 3 | 6.494 | -72.315 | 4947 | -62 | BA |
| CO | RITACUBA BLANCO | 2763 | 20140101 | 20141231 | 2 | 6.495 | -72.317 | 4885 | -1707 | BA |
| CO | RITACUBA BLANCO | 2763 | 20140101 | 20141231 | 1 | 6.494 | -72.317 | 4872 | -1602 | BA |
| CO | RITACUBA BLANCO | 2763 | 20150101 | 20151231 | 10 | 6.495 | -72.307 | 5151 | -578 | BA |
| CO | RITACUBA BLANCO | 2763 | 20150101 | 20151231 | 9 | 6.495 | -72.309 | 5110 | -548 | BA |
| CO | RITACUBA BLANCO | 2763 | 20150101 | 20151231 | 7 | 6.495 | -72.311 | 5060 | -426 | BA |
| CO | RITACUBA BLANCO | 2763 | 20150101 | 20151231 | 8 | 6.495 | -72.311 | 5055 | -446 | BA |
| CO | RITACUBA BLANCO | 2763 | 20150101 | 20151231 | 6 | 6.494 | -72.313 | 5010 | -1172 | BA |
| CO | RITACUBA BLANCO | 2763 | 20150101 | 20151231 | 5 | 6.495 | -72.313 | 5004 | -293 | BA |
| CO | RITACUBA BLANCO | 2763 | 20150101 | 20151231 | 4 | 6.495 | -72.315 | 4956 | -1658 | BA |
| CO | RITACUBA BLANCO | 2763 | 20150101 | 20151231 | 3 | 6.494 | -72.315 | 4947 | -1613 | BA |
| CO | RITACUBA BLANCO | 2763 | 20150101 | 20151231 | 2 | 6.495 | -72.317 | 4885 | -1630 | BA |
| CO | RITACUBA BLANCO | 2763 | 20150101 | 20151231 | 1 | 6.494 | -72.317 | 4872 | -1656 | BA |
| **FR - France** | | | | | | | | | | |
| FR | TRE LA TETE | 1314 | 20139999 | 20140930 | 12 | | | 3500 | 2000 | BA |
| FR | TRE LA TETE | 1314 | 20139999 | 20140930 | 11 | | | 3400 | 1800 | BA |
| FR | TRE LA TETE | 1314 | 20139999 | 20140930 | 10 | | | 3300 | 1500 | BA |
| FR | TRE LA TETE | 1314 | 20139999 | 20140930 | 9 | | | 3200 | 1000 | BA |
| FR | TRE LA TETE | 1314 | 20139999 | 20140930 | 8 | | | 3100 | 500 | BA |
| FR | TRE LA TETE | 1314 | 20139999 | 20140930 | 7 | | | 2900 | -1000 | BA |
| FR | TRE LA TETE | 1314 | 20139999 | 20140930 | 6 | | | 2770 | -2000 | BA |
| FR | TRE LA TETE | 1314 | 20139999 | 20140930 | 5 | | | 2675 | -2500 | BA |
| FR | TRE LA TETE | 1314 | 20139999 | 20140930 | 4 | | | 2550 | -1800 | BA |
| FR | TRE LA TETE | 1314 | 20139999 | 20140930 | 3 | | | 2450 | -1800 | BA |
| FR | TRE LA TETE | 1314 | 20139999 | 20140930 | 2 | | | 2350 | -4200 | BA |
| FR | TRE LA TETE | 1314 | 20139999 | 20140930 | 1 | | | 2200 | -2700 | BA |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| **GL - Greenland** | | | | | | | | | | |
| GL | A.P. OLSEN ICE CAP | 4576 | 20130811 | 20140726 | 220_8 | 74.643 | -21.484 | 879 | -220 | IN |
| GL | A.P. OLSEN ICE CAP | 4576 | 20130811 | 20140726 | 220_6 | 74.639 | -21.428 | 823 | -820 | IN |
| GL | A.P. OLSEN ICE CAP | 4576 | 20130811 | 20140726 | 220_5 | 74.632 | -21.400 | 749 | -940 | IN |
| GL | A.P. OLSEN ICE CAP | 4576 | 20130811 | 20140726 | 220_4 | 74.628 | -21.370 | 679 | -1450 | IN |
| GL | A.P. OLSEN ICE CAP | 4576 | 20130811 | 20140726 | 220_3 | 74.624 | -21.385 | 676 | -1370 | IN |
| GL | A.P. OLSEN ICE CAP | 4576 | 20130811 | 20140726 | 220_2 | 74.619 | -21.365 | 620 | -1290 | IN |
| GL | A.P. OLSEN ICE CAP | 4576 | 20130811 | 20140726 | 220_1 | 74.617 | -21.360 | 550 | -1680 | IN |
| GL | FREYA | 3350 | 20130814 | 20140427 | 335BW | 74.369 | -20.843 | 982 | 1265 | BW |
| GL | FREYA | 3350 | 20130814 | 20140427 | 330BW | 74.364 | -20.809 | 971 | 1265 | BW |
| GL | FREYA | 3350 | 20130814 | 20140427 | 331BW | 74.365 | -20.810 | 948 | 1042 | BW |
| GL | FREYA | 3350 | 20130814 | 20140427 | 334BW | 74.371 | -20.837 | 939 | 1097 | BW |
| GL | FREYA | 3350 | 20130814 | 20140427 | 336BW | 74.370 | -20.837 | 934 | 1265 | BW |
| GL | FREYA | 3350 | 20130814 | 20140427 | 328BW | 74.366 | -20.806 | 933 | 1265 | BW |
| GL | FREYA | 3350 | 20130814 | 20140427 | 333BW | 74.370 | -20.824 | 885 | 1265 | BW |
| GL | FREYA | 3350 | 20130814 | 20140427 | 332BW | 74.367 | -20.814 | 882 | 1265 | BW |
| GL | FREYA | 3350 | 20130814 | 20140427 | 337BW | 74.372 | -20.817 | 856 | 1135 | BW |
| GL | FREYA | 3350 | 20130814 | 20140427 | 338BW | 74.374 | -20.805 | 831 | 1023 | BW |
| GL | FREYA | 3350 | 20130814 | 20140427 | 339BW | 74.375 | -20.799 | 823 | 1265 | BW |
| GL | FREYA | 3350 | 20130814 | 20140427 | 340BW | 74.379 | -20.802 | 793 | 1023 | BW |
| GL | FREYA | 3350 | 20130814 | 20140427 | 325BW | 74.380 | -20.816 | 779 | 1116 | BW |
| GL | FREYA | 3350 | 20130814 | 20140427 | 341BW | 74.379 | -20.826 | 778 | 1265 | BW |
| GL | FREYA | 3350 | 20130814 | 20140427 | 342BW | 74.384 | -20.823 | 726 | 1116 | BW |
| GL | FREYA | 3350 | 20130814 | 20140427 | 343BW | 74.386 | -20.819 | 714 | 1042 | BW |
| GL | FREYA | 3350 | 20130814 | 20140427 | 344BW | 74.387 | -20.834 | 686 | 1097 | BW |
| GL | FREYA | 3350 | 20130814 | 20140427 | 345BW | 74.388 | -20.846 | 676 | 1265 | BW |
| GL | FREYA | 3350 | 20130814 | 20140818 | 12 | 74.373 | -20.810 | 837 | 810 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 12BA | 74.373 | -20.810 | 837 | 810 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 13 | 74.375 | -20.806 | 817 | 540 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 13BA | 74.375 | -20.806 | 817 | 540 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 11BA | 74.374 | -20.808 | 816 | 486 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 11 | 74.374 | -20.808 | 816 | 486 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 14 | 74.377 | -20.802 | 796 | 390 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 14BA | 74.377 | -20.802 | 796 | 390 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 10BA | 74.376 | -20.810 | 796 | 594 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 10 | 74.376 | -20.810 | 796 | 594 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 15 | 74.377 | -20.807 | 793 | 648 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 15BA | 74.377 | -20.807 | 793 | 648 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 9BA | 74.377 | -20.813 | 783 | 582 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 9 | 74.377 | -20.813 | 783 | 582 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 16BA | 74.379 | -20.819 | 782 | 600 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 16 | 74.379 | -20.819 | 782 | 600 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 8 | 74.379 | -20.814 | 781 | 108 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 8BA | 74.379 | -20.814 | 781 | 108 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 17 | 74.381 | -20.814 | 768 | 570 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 17BA | 74.381 | -20.814 | 768 | 570 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 18BA | 74.383 | -20.811 | 755 | 300 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 18 | 74.383 | -20.811 | 755 | 300 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 20 | 74.384 | -20.815 | 748 | 450 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 20BA | 74.384 | -20.815 | 748 | 450 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 21 | 74.384 | -20.823 | 726 | 480 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 21BA | 74.384 | -20.823 | 726 | 480 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 22 | 74.384 | -20.827 | 716 | 486 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 22BA | 74.384 | -20.827 | 716 | 486 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 23 | 74.385 | -20.828 | 709 | 414 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 23BA | 74.385 | -20.828 | 709 | 414 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 24 | 74.387 | -20.825 | 699 | 558 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 24BA | 74.387 | -20.825 | 699 | 558 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 25 | 74.388 | -20.833 | 684 | 402 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 25BA | 74.388 | -20.833 | 684 | 402 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 26 | 74.389 | -20.835 | 674 | 378 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 26BA | 74.389 | -20.835 | 674 | 378 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 27 | 74.391 | -20.837 | 664 | 324 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 27BA | 74.391 | -20.837 | 664 | 324 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 28 | 74.392 | -20.834 | 662 | 810 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 28BA | 74.392 | -20.834 | 662 | 810 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 30 | 74.391 | -20.843 | 653 | 252 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 30BA | 74.391 | -20.843 | 653 | 252 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 31BA | 74.390 | -20.846 | 652 | 264 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 31 | 74.390 | -20.846 | 652 | 264 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 29 | 74.392 | -20.842 | 648 | 180 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 29BA | 74.392 | -20.842 | 648 | 180 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 32BA | 74.391 | -20.851 | 639 | 318 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 32 | 74.391 | -20.851 | 639 | 318 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 33BA | 74.393 | -20.855 | 627 | 228 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 33 | 74.393 | -20.855 | 627 | 228 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 34 | 74.392 | -20.860 | 624 | 570 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 34BA | 74.392 | -20.860 | 624 | 570 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 35 | 74.394 | -20.858 | 612 | 300 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 35BA | 74.394 | -20.858 | 612 | 300 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 36BA | 74.395 | -20.852 | 586 | 240 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 36 | 74.395 | -20.852 | 586 | 240 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 38BA | 74.396 | -20.861 | 580 | 210 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 38 | 74.396 | -20.861 | 580 | 210 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 39 | 74.395 | -20.865 | 577 | 276 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 39BA | 74.395 | -20.865 | 577 | 276 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 40 | 74.396 | -20.869 | 571 | 390 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 40BA | 74.396 | -20.869 | 571 | 390 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 41BA | 74.397 | -20.868 | 542 | 42 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 41 | 74.397 | -20.868 | 542 | 42 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 42 | 74.398 | -20.868 | 530 | 336 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 42BA | 74.398 | -20.868 | 530 | 336 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 3BA | 74.398 | -20.867 | 527 | -54 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 3 | 74.398 | -20.867 | 527 | -54 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 50BA | 74.402 | -20.883 | 448 | 210 | BA |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| GL | FREYA | 3350 | 20130814 | 20140818 | 50 | 74.402 | -20.883 | 448 | 210 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 2aBA | 74.403 | -20.883 | 441 | 72 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 2a | 74.403 | -20.883 | 441 | 72 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 48 | 74.404 | -20.888 | 403 | 270 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 48BA | 74.404 | -20.888 | 403 | 270 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 47BA | 74.405 | -20.891 | 381 | 930 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 47 | 74.405 | -20.891 | 381 | 930 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 46 | 74.405 | -20.892 | 362 | 630 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 46BA | 74.405 | -20.892 | 362 | 630 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 45 | 74.406 | -20.895 | 330 | 660 | BA |
| GL | FREYA | 3350 | 20130814 | 20140818 | 45BA | 74.406 | -20.895 | 330 | 660 | BA |
| GL | FREYA | 3350 | 20140818 | 20150506 | 15 | 74.380 | -20.816 | 779 | 1098 | BW |
| GL | FREYA | 3350 | 20140818 | 20150506 | 1 | 74.381 | -20.818 | 767 | 1027 | BW |
| GL | FREYA | 3350 | 20140818 | 20150506 | 2 | 74.382 | -20.821 | 740 | 869 | BW |
| GL | FREYA | 3350 | 20140818 | 20150506 | 3 | 74.384 | -20.826 | 716 | 1304 | BW |
| GL | FREYA | 3350 | 20140818 | 20150506 | 4 | 74.386 | -20.832 | 693 | 1067 | BW |
| GL | FREYA | 3350 | 20140818 | 20150506 | 5 | 74.389 | -20.840 | 670 | 948 | BW |
| GL | FREYA | 3350 | 20140818 | 20150506 | 6 | 74.392 | -20.851 | 637 | 928 | BW |
| GL | FREYA | 3350 | 20140818 | 20150506 | 7 | 74.394 | -20.857 | 609 | 909 | BW |
| GL | FREYA | 3350 | 20140818 | 20150506 | 8 | 74.396 | -20.861 | 572 | 770 | BW |
| GL | FREYA | 3350 | 20140818 | 20150506 | 9 | 74.398 | -20.868 | 525 | 869 | BW |
| GL | FREYA | 3350 | 20140818 | 20150506 | 10 | 74.400 | -20.876 | 486 | 830 | BW |
| GL | FREYA | 3350 | 20140818 | 20150506 | 11 | 74.403 | -20.882 | 444 | 794 | BW |
| GL | FREYA | 3350 | 20140818 | 20150506 | 12 | 74.404 | -20.888 | 396 | 387 | BW |
| GL | FREYA | 3350 | 20140818 | 20150506 | 13 | 74.406 | -20.895 | 329 | 435 | BW |
| GL | FREYA | 3350 | 20140818 | 20150506 | 14 | 74.406 | -20.896 | 312 | 810 | BW |
| GL | FREYA | 3350 | 20140818 | 20150817 | S1 | 74.364 | -20.808 | 961 | 535 | BA |
| GL | FREYA | 3350 | 20140818 | 20150817 | 10 | 74.367 | -20.807 | 919 | 162 | BA |
| GL | FREYA | 3350 | 20140818 | 20150817 | 13 | 74.369 | -20.817 | 864 | 653 | BA |
| GL | FREYA | 3350 | 20140818 | 20150817 | 9 | 74.372 | -20.813 | 855 | 394 | BA |
| GL | FREYA | 3350 | 20140818 | 20150817 | 14 | 74.375 | -20.818 | 804 | 724 | BA |
| GL | FREYA | 3350 | 20140818 | 20150817 | 15 | 74.377 | -20.801 | 797 | 675 | BA |
| GL | FREYA | 3350 | 20140818 | 20150817 | 8a | 74.376 | -20.810 | 797 | 605 | BA |
| GL | FREYA | 3350 | 20140818 | 20150817 | 8 | 74.379 | -20.816 | 780 | 432 | BA |
| GL | FREYA | 3350 | 20140818 | 20150817 | 7 | 74.387 | -20.830 | 696 | 270 | BA |
| GL | FREYA | 3350 | 20140818 | 20150817 | 5 | 74.393 | -20.847 | 642 | -750 | BA |
| GL | FREYA | 3350 | 20140818 | 20150817 | 4 | 74.392 | -20.858 | 632 | 216 | BA |
| GL | FREYA | 3350 | 20140818 | 20150817 | 6a | 74.395 | -20.848 | 593 | 1080 | BA |
| GL | FREYA | 3350 | 20140818 | 20150817 | 3 | 74.398 | -20.867 | 527 | -837 | BA |
| GL | FREYA | 3350 | 20140818 | 20150817 | 2a | 74.403 | -20.883 | 441 | -912 | BA |
| GL | FREYA | 3350 | 20140818 | 20150817 | 1a | 74.406 | -20.890 | 363 | 313 | BA |
| GL | MITTIVAKKAT | 1629 | 20130824 | 20140824 | 260_150 | 65.709 | -37.767 | 703 | -1960 | BA |
| GL | MITTIVAKKAT | 1629 | 20130824 | 20140824 | 260_130 | 65.706 | -37.774 | 646 | -1180 | BA |
| GL | MITTIVAKKAT | 1629 | 20130824 | 20140824 | 260_120 | 65.705 | -37.785 | 626 | -1360 | BA |
| GL | MITTIVAKKAT | 1629 | 20130824 | 20140824 | 260_110 | 65.704 | -37.793 | 589 | -940 | BA |
| GL | MITTIVAKKAT | 1629 | 20130824 | 20140824 | 260_IV (105) | 65.694 | -37.817 | 485 | -1010 | BA |
| GL | MITTIVAKKAT | 1629 | 20130824 | 20140824 | 260_II (103) | 65.698 | -37.816 | 480 | -1410 | BA |
| GL | MITTIVAKKAT | 1629 | 20130824 | 20140824 | 260_82 | 65.686 | -37.838 | 390 | -1490 | BA |
| GL | MITTIVAKKAT | 1629 | 20130824 | 20140824 | 260_85 | 65.696 | -37.844 | 380 | -2070 | BA |
| GL | MITTIVAKKAT | 1629 | 20130824 | 20140824 | 260_81 | 65.692 | -37.843 | 374 | -2590 | BA |
| GL | MITTIVAKKAT | 1629 | 20130824 | 20140824 | 260_83 | 65.694 | -37.843 | 372 | -2650 | BA |
| GL | MITTIVAKKAT | 1629 | 20130824 | 20140824 | 260_70 | 65.689 | -37.850 | 327 | -2090 | BA |
| GL | MITTIVAKKAT | 1629 | 20130824 | 20140824 | 260_60 | 65.687 | -37.859 | 304 | -2720 | BA |
| GL | MITTIVAKKAT | 1629 | 20130824 | 20140824 | 260_50 | 65.685 | -37.867 | 266 | -2960 | BA |
| GL | MITTIVAKKAT | 1629 | 20130824 | 20140824 | 260_40 | 65.684 | -37.874 | 188 | -3470 | BA |
| GL | MITTIVAKKAT | 1629 | 20130824 | 20140824 | 260_41 | 65.686 | -37.876 | 187 | -2440 | BA |
| GL | MITTIVAKKAT | 1629 | 20130824 | 20140824 | 260_42 | 65.682 | -37.873 | 181 | -2030 | BA |
| GL | QAANAAQ ICE CAP | 4575 | 20130720 | 20140801 | 126_Q06 | 77.526 | -69.076 | 968 | 300 | IN |
| GL | QAANAAQ ICE CAP | 4575 | 20130804 | 20140801 | 126_Q05 | 77.516 | -69.110 | 839 | -90 | IN |
| GL | QAANAAQ ICE CAP | 4575 | 20130804 | 20140803 | 126_Q04 | 77.510 | -69.138 | 739 | -380 | IN |
| GL | QAANAAQ ICE CAP | 4575 | 20130804 | 20140803 | 126_Q03 | 77.502 | -69.172 | 584 | -1140 | IN |
| GL | QAANAAQ ICE CAP | 4575 | 20130804 | 20140803 | 126_Q02 | 77.498 | -69.212 | 427 | -1290 | IN |
| GL | QAANAAQ ICE CAP | 4575 | 20130804 | 20140803 | 126_Q01 | 77.491 | -69.251 | 243 | -1550 | IN |
| GL | QASIGIANNGUIT | 4566 | 20131004 | 20140521 | 8 | 64.156 | -51.356 | 942 | 831 | BW |
| GL | QASIGIANNGUIT | 4566 | 20131004 | 20140521 | 7 | 64.157 | -51.355 | 915 | 618 | BW |
| GL | QASIGIANNGUIT | 4566 | 20131004 | 20140521 | 6 | 64.158 | -51.355 | 891 | 838 | BW |
| GL | QASIGIANNGUIT | 4566 | 20131004 | 20140521 | 3 | 64.161 | -51.355 | 739 | 824 | BW |
| GL | QASIGIANNGUIT | 4566 | 20131004 | 20140521 | 4 | 64.161 | -51.358 | 729 | 995 | BW |
| GL | QASIGIANNGUIT | 4566 | 20131004 | 20140521 | 5 | 64.161 | -51.361 | 729 | 750 | BW |
| GL | QASIGIANNGUIT | 4566 | 20131004 | 20140521 | 2 | 64.162 | -51.359 | 714 | 859 | BW |
| GL | QASIGIANNGUIT | 4566 | 20131004 | 20140521 | 1 | 64.164 | -51.358 | 692 | 733 | BW |
| GL | QASIGIANNGUIT | 4566 | 20140521 | 20140903 | 8 | 64.156 | -51.356 | 941 | -699 | BS |
| GL | QASIGIANNGUIT | 4566 | 20140521 | 20140903 | 7 | 64.157 | -51.355 | 915 | -737 | BS |
| GL | QASIGIANNGUIT | 4566 | 20140521 | 20140903 | 6 | 64.158 | -51.355 | 890 | -910 | BS |
| GL | QASIGIANNGUIT | 4566 | 20140521 | 20140903 | 3 | 64.161 | -51.355 | 738 | -1868 | BS |
| GL | QASIGIANNGUIT | 4566 | 20140521 | 20140903 | 4 | 64.161 | -51.358 | 729 | -2354 | BS |
| GL | QASIGIANNGUIT | 4566 | 20140521 | 20140903 | 5 | 64.161 | -51.362 | 726 | -2739 | BS |
| GL | QASIGIANNGUIT | 4566 | 20140521 | 20140903 | 2 | 64.162 | -51.359 | 712 | -2470 | BS |
| GL | QASIGIANNGUIT | 4566 | 20140521 | 20140903 | 1 | 64.164 | -51.358 | 690 | -2056 | BS |
| GL | QASIGIANNGUIT | 4566 | 20140903 | 20150520 | 6 | 64.156 | -51.356 | 941 | 1750 | BW |
| GL | QASIGIANNGUIT | 4566 | 20140903 | 20150520 | 5 | 64.157 | -51.355 | 915 | 1134 | BW |
| GL | QASIGIANNGUIT | 4566 | 20140903 | 20150520 | 4 | 64.158 | -51.355 | 890 | 1199 | BW |
| GL | QASIGIANNGUIT | 4566 | 20140903 | 20150520 | 3 | 64.161 | -51.355 | 738 | 1230 | BW |
| GL | QASIGIANNGUIT | 4566 | 20140903 | 20150520 | 2 | 64.162 | -51.359 | 712 | 1034 | BW |
| GL | QASIGIANNGUIT | 4566 | 20140903 | 20150520 | 1 | 64.164 | -51.358 | 690 | 811 | BW |
| GL | QASIGIANNGUIT | 4566 | 20150520 | 20150907 | 6 | 64.156 | -51.356 | 941 | -1395 | BS |
| GL | QASIGIANNGUIT | 4566 | 20150520 | 20150907 | 5 | 64.157 | -51.355 | 915 | -825 | BS |
| GL | QASIGIANNGUIT | 4566 | 20150520 | 20150907 | 4 | 64.158 | -51.355 | 890 | -1022 | BS |
| GL | QASIGIANNGUIT | 4566 | 20150520 | 20150907 | 3 | 64.161 | -51.355 | 738 | -1457 | BS |
| GL | QASIGIANNGUIT | 4566 | 20150520 | 20150907 | 2 | 64.162 | -51.359 | 712 | -1611 | BS |
| GL | QASIGIANNGUIT | 4566 | 20150520 | 20150907 | 1 | 64.164 | -51.358 | 690 | -811 | BS |
| **IS - Iceland** | | | | | | | | | | |
| IS | HOFSJOKULL E | 3088 | 20131008 | 20141009 | H18 | 64.809 | 18.869 | 1792 | 3314 | BA |
| IS | HOFSJOKULL E | 3088 | 20131008 | 20141009 | HSA17 | 64.794 | 18.844 | 1695 | 2400 | BA |
| IS | HOFSJOKULL E | 3088 | 20131008 | 20141009 | HSA16 | 64.783 | 18.834 | 1615 | 2093 | BA |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| IS | HOFSJOKULL E | 3088 | 20131008 | 20141009 | HSA15 | 64.839 | 18.708 | 1452 | 1253 | BA |
| IS | HOFSJOKULL E | 3088 | 20131008 | 20141009 | HSA13 | 64.813 | 18.653 | 1245 | 894 | BA |
| IS | HOFSJOKULL E | 3088 | 20131008 | 20141009 | HSA11 | 64.790 | 18.596 | 1039 | -2187 | BA |
| IS | HOFSJOKULL E | 3088 | 20131008 | 20141009 | HSA9 | 64.770 | 18.543 | 872 | -4177 | BA |
| IS | HOFSJOKULL E | 3088 | 20131008 | 20141009 | HSA8 | 64.758 | 18.516 | 734 | -5324 | BA |
| IS | HOFSJOKULL E | 3088 | 20141009 | 20151007 | H18 | 64.809 | 18.869 | 1792 | 4503 | BA |
| IS | HOFSJOKULL E | 3088 | 20141009 | 20151007 | HSA17 | 64.794 | 18.844 | 1695 | 3708 | BA |
| IS | HOFSJOKULL E | 3088 | 20141009 | 20151007 | HSA16 | 64.783 | 18.834 | 1615 | 2845 | BA |
| IS | HOFSJOKULL E | 3088 | 20141009 | 20151007 | HSA15 | 64.839 | 18.708 | 1452 | 3337 | BA |
| IS | HOFSJOKULL E | 3088 | 20141009 | 20151007 | HSA13 | 64.813 | 18.653 | 1245 | 3194 | BA |
| IS | HOFSJOKULL E | 3088 | 20141009 | 20151007 | HSA11 | 64.790 | 18.596 | 1039 | -426 | BA |
| IS | HOFSJOKULL E | 3088 | 20141009 | 20151007 | HSA9 | 64.770 | 18.543 | 872 | -456 | BA |
| IS | HOFSJOKULL E | 3088 | 20141009 | 20151007 | HSA8 | 64.758 | 18.516 | 734 | -4035 | BA |
| **IT - Italy** | | | | | | | | | | |
| IT | CALDERONE | 1107 | 20130914 | 20140913 | 2 | 42.472 | 13.567 | 2798 | | |
| IT | CALDERONE | 1107 | 20130914 | 20140913 | 1 | 42.474 | 13.568 | 2658 | | |
| IT | CAMPO SETT. | 1106 | 20131006 | 20140927 | 1 | 46.429 | 10.116 | 3080 | 1100 | BA |
| IT | CAMPO SETT. | 1106 | 20131006 | 20140927 | 62 | 46.430 | 10.115 | 3050 | 297 | BA |
| IT | CAMPO SETT. | 1106 | 20131006 | 20140927 | 61 | 46.429 | 10.114 | 3005 | 330 | BA |
| IT | CAMPO SETT. | 1106 | 20131006 | 20140927 | 60 | 46.429 | 10.113 | 3000 | 192 | BA |
| IT | CAMPO SETT. | 1106 | 20131006 | 20140927 | 33 | 46.430 | 10.111 | 2970 | -630 | BA |
| IT | CAMPO SETT. | 1106 | 20131006 | 20140927 | 4 | 46.430 | 10.108 | 2900 | 264 | BA |
| IT | CAMPO SETT. | 1106 | 20131006 | 20140927 | 5 | 46.431 | 10.108 | 2895 | -1125 | BA |
| IT | CARESER | 635 | 20130928 | 20140524 | 10C | 46.452 | 10.688 | 3262 | 2025 | BW |
| IT | CARESER | 635 | 20130928 | 20140524 | 5B | 46.458 | 10.708 | 3161 | 1710 | BW |
| IT | CARESER | 635 | 20130928 | 20140524 | 10A | 46.450 | 10.689 | 3147 | 1635 | BW |
| IT | CARESER | 635 | 20130928 | 20140524 | 9C | 46.449 | 10.688 | 3130 | 1414 | BW |
| IT | CARESER | 635 | 20130928 | 20140524 | 5L | 46.455 | 10.715 | 3092 | 1576 | BW |
| IT | CARESER | 635 | 20130928 | 20140524 | 7B | 46.449 | 10.723 | 3083 | 1710 | BW |
| IT | CARESER | 635 | 20130928 | 20140524 | 6A | 46.454 | 10.721 | 3077 | 1595 | BW |
| IT | CARESER | 635 | 20130928 | 20140524 | 6L | 46.451 | 10.721 | 3070 | 1635 | BW |
| IT | CARESER | 635 | 20130928 | 20140524 | 13B | 46.453 | 10.698 | 3060 | 1389 | BW |
| IT | CARESER | 635 | 20130928 | 20140524 | 3B | 46.452 | 10.717 | 3052 | 1635 | BW |
| IT | CARESER | 635 | 20130928 | 20140524 | 7A | 46.449 | 10.719 | 3039 | 1735 | BW |
| IT | CARESER | 635 | 20130928 | 20140524 | 8E | 46.450 | 10.715 | 3002 | 1462 | BW |
| IT | CARESER | 635 | 20130928 | 20140524 | 8D | 46.450 | 10.714 | 2988 | 1365 | BW |
| IT | CARESER | 635 | 20130928 | 20140524 | 9B | 46.449 | 10.700 | 2970 | 1462 | BW |
| IT | CARESER | 635 | 20130928 | 20140524 | 2D | 46.451 | 10.710 | 2963 | 1389 | BW |
| IT | CARESER | 635 | 20130928 | 20140524 | 2C | 46.450 | 10.710 | 2954 | 1293 | BW |
| IT | CARESER | 635 | 20130928 | 20140925 | 5B | 46.458 | 10.708 | 3161 | 143 | BA |
| IT | CARESER | 635 | 20130928 | 20140925 | 10A | 46.450 | 10.689 | 3147 | 0 | BA |
| IT | CARESER | 635 | 20130928 | 20140925 | 9C | 46.449 | 10.688 | 3130 | -42 | BA |
| IT | CARESER | 635 | 20130928 | 20140925 | 5L | 46.455 | 10.715 | 3092 | 9 | BA |
| IT | CARESER | 635 | 20130928 | 20140925 | 7B | 46.449 | 10.723 | 3083 | 432 | BA |
| IT | CARESER | 635 | 20130928 | 20140925 | 6A | 46.454 | 10.721 | 3077 | 401 | BA |
| IT | CARESER | 635 | 20130928 | 20140925 | 6L | 46.451 | 10.721 | 3070 | 80 | BA |
| IT | CARESER | 635 | 20130928 | 20140925 | 13B | 46.453 | 10.698 | 3060 | -779 | BA |
| IT | CARESER | 635 | 20130928 | 20140925 | 3B | 46.452 | 10.717 | 3052 | 9 | BA |
| IT | CARESER | 635 | 20130928 | 20140925 | 7A | 46.449 | 10.719 | 3039 | 70 | BA |
| IT | CARESER | 635 | 20130928 | 20140925 | 8E | 46.450 | 10.715 | 3002 | -855 | BA |
| IT | CARESER | 635 | 20130928 | 20140925 | 9B | 46.449 | 10.700 | 2970 | -1148 | BA |
| IT | CARESER | 635 | 20130928 | 20140925 | 2D | 46.451 | 10.710 | 2963 | -945 | BA |
| IT | CARESER | 635 | 20140524 | 20140925 | 5B | 46.458 | 10.708 | 3161 | -1567 | BS |
| IT | CARESER | 635 | 20140524 | 20140925 | 10A | 46.450 | 10.689 | 3147 | -1635 | BS |
| IT | CARESER | 635 | 20140524 | 20140925 | 9C | 46.449 | 10.688 | 3130 | -1455 | BS |
| IT | CARESER | 635 | 20140524 | 20140925 | 5L | 46.455 | 10.715 | 3092 | -1566 | BS |
| IT | CARESER | 635 | 20140524 | 20140925 | 7B | 46.449 | 10.723 | 3083 | -1278 | BS |
| IT | CARESER | 635 | 20140524 | 20140925 | 6A | 46.454 | 10.721 | 3077 | -1195 | BS |
| IT | CARESER | 635 | 20140524 | 20140925 | 6L | 46.451 | 10.721 | 3070 | -1555 | BS |
| IT | CARESER | 635 | 20140524 | 20140925 | 13B | 46.453 | 10.698 | 3060 | -2168 | BS |
| IT | CARESER | 635 | 20140524 | 20140925 | 3B | 46.452 | 10.717 | 3052 | -1626 | BS |
| IT | CARESER | 635 | 20140524 | 20140925 | 7A | 46.449 | 10.719 | 3039 | -1665 | BS |
| IT | CARESER | 635 | 20140524 | 20140925 | 8E | 46.450 | 10.715 | 3002 | -2317 | BS |
| IT | CARESER | 635 | 20140524 | 20140925 | 9B | 46.449 | 10.700 | 2970 | -2610 | BS |
| IT | CARESER | 635 | 20140524 | 20140925 | 2D | 46.451 | 10.710 | 2963 | -2334 | BS |
| IT | CARESER | 635 | 20140925 | 20150525 | 5B | 46.458 | 10.708 | 3161 | 849 | BW |
| IT | CARESER | 635 | 20140925 | 20150525 | 10A | 46.450 | 10.689 | 3147 | 958 | BW |
| IT | CARESER | 635 | 20140925 | 20150525 | 10D | 46.450 | 10.689 | 3146 | 876 | BW |
| IT | CARESER | 635 | 20140925 | 20150525 | 9C | 46.449 | 10.688 | 3130 | 1072 | BW |
| IT | CARESER | 635 | 20140925 | 20150525 | 9D | 46.448 | 10.689 | 3116 | 849 | BW |
| IT | CARESER | 635 | 20140925 | 20150525 | 5L | 46.455 | 10.715 | 3092 | 796 | BW |
| IT | CARESER | 635 | 20140925 | 20150525 | 7B | 46.449 | 10.723 | 3083 | 903 | BW |
| IT | CARESER | 635 | 20140925 | 20150525 | 6A | 46.454 | 10.721 | 3077 | 571 | BW |
| IT | CARESER | 635 | 20140925 | 20150525 | 6L | 46.451 | 10.721 | 3070 | 796 | BW |
| IT | CARESER | 635 | 20140925 | 20150525 | 13B | 46.453 | 10.698 | 3060 | 849 | BW |
| IT | CARESER | 635 | 20140925 | 20150525 | 3B | 46.452 | 10.717 | 3052 | 1101 | BW |
| IT | CARESER | 635 | 20140925 | 20150525 | 7A | 46.449 | 10.719 | 3039 | 903 | BW |
| IT | CARESER | 635 | 20140925 | 20150525 | 8E | 46.450 | 10.715 | 3002 | 693 | BW |
| IT | CARESER | 635 | 20140925 | 20150525 | 8D | 46.450 | 10.714 | 2988 | 595 | BW |
| IT | CARESER | 635 | 20140925 | 20150525 | 9B | 46.449 | 10.700 | 2970 | 1072 | BW |
| IT | CARESER | 635 | 20140925 | 20150525 | 2D | 46.451 | 10.710 | 2963 | 770 | BW |
| IT | CARESER | 635 | 20140925 | 20150919 | 10D | 46.450 | 10.689 | 3146 | -2338 | BA |
| IT | CARESER | 635 | 20140925 | 20150919 | 9C | 46.449 | 10.688 | 3130 | -1926 | BA |
| IT | CARESER | 635 | 20140925 | 20150919 | 9D | 46.448 | 10.689 | 3116 | -2660 | BA |
| IT | CARESER | 635 | 20140925 | 20150919 | 5L | 46.455 | 10.715 | 3092 | -2376 | BA |
| IT | CARESER | 635 | 20140925 | 20150919 | 6A | 46.454 | 10.721 | 3077 | -2732 | BA |
| IT | CARESER | 635 | 20140925 | 20150919 | 6L | 46.451 | 10.721 | 3070 | -2298 | BA |
| IT | CARESER | 635 | 20140925 | 20150919 | 13B | 46.453 | 10.698 | 3060 | -3231 | BA |
| IT | CARESER | 635 | 20140925 | 20150919 | 3B | 46.452 | 10.717 | 3052 | -2277 | BA |
| IT | CARESER | 635 | 20140925 | 20150919 | 7A | 46.449 | 10.719 | 3039 | -2099 | BA |
| IT | CARESER | 635 | 20140925 | 20150919 | 8E | 46.450 | 10.715 | 3002 | -3519 | BA |
| IT | CARESER | 635 | 20140925 | 20150919 | 2D | 46.451 | 10.710 | 2963 | -3906 | BA |
| IT | CARESER | 635 | 20150525 | 20150919 | 10D | 46.450 | 10.689 | 3146 | -3214 | BS |
| IT | CARESER | 635 | 20150525 | 20150919 | 9C | 46.449 | 10.688 | 3130 | -2998 | BS |
| IT | CARESER | 635 | 20150525 | 20150919 | 9D | 46.448 | 10.689 | 3116 | -3508 | BS |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| IT | CARESER | 635 | 20150525 | 20150919 | 5L | 46.455 | 10.715 | 3092 | -3172 | BS |
| IT | CARESER | 635 | 20150525 | 20150919 | 6A | 46.454 | 10.721 | 3077 | -3303 | BS |
| IT | CARESER | 635 | 20150525 | 20150919 | 6L | 46.451 | 10.721 | 3070 | -3094 | BS |
| IT | CARESER | 635 | 20150525 | 20150919 | 13B | 46.453 | 10.698 | 3060 | -4080 | BS |
| IT | CARESER | 635 | 20150525 | 20150919 | 3B | 46.452 | 10.717 | 3052 | -3378 | BS |
| IT | CARESER | 635 | 20150525 | 20150919 | 7A | 46.449 | 10.719 | 3039 | -3002 | BS |
| IT | CARESER | 635 | 20150525 | 20150919 | 8E | 46.450 | 10.715 | 3002 | -4212 | BS |
| IT | CARESER | 635 | 20150525 | 20150919 | 2D | 46.451 | 10.710 | 2963 | -4676 | BS |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20130925 | 20140928 | 3/07 | 46.488 | 10.768 | 3205 | 607 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20130925 | 20140928 | 2/07 | 46.486 | 10.769 | 3193 | 898 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20130925 | 20140928 | 8/10 | 46.483 | 10.772 | 3168 | 554 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20130925 | 20140928 | 16/07 | 46.485 | 10.771 | 3157 | 238 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20130925 | 20140928 | 21/07 | 46.482 | 10.774 | 3120 | 132 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20130925 | 20140928 | 7/09 | 46.484 | 10.773 | 3112 | 370 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20130925 | 20140928 | 9/10 | 46.486 | 10.772 | 3109 | 201 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20130925 | 20140928 | 6/09 | 46.482 | 10.775 | 3077 | 20 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20130925 | 20140928 | 10/09 | 46.486 | 10.774 | 3061 | -63 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20130925 | 20140928 | 23/11 | 46.486 | 10.775 | 3047 | 213 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20130925 | 20140928 | 22/10 | 46.485 | 10.775 | 3030 | 166 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20130925 | 20140928 | 20/13 | 46.482 | 10.776 | 3020 | -45 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20130925 | 20140928 | 12/08 | 46.486 | 10.776 | 3013 | 319 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20130925 | 20140928 | 11/13 | 46.482 | 10.777 | 2996 | 144 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20130925 | 20140928 | 14/07 | 46.482 | 10.778 | 2943 | 1782 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20130925 | 20140928 | 15/06 | 46.483 | 10.780 | 2901 | 466 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20140928 | 20150922 | 1/07 | 46.483 | 10.770 | 3219 | -1355 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20140928 | 20150922 | 3/07 | 46.488 | 10.768 | 3205 | -882 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20140928 | 20150922 | 2/07 | 46.486 | 10.769 | 3193 | -1380 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20140928 | 20150922 | 8/10 | 46.483 | 10.772 | 3168 | -1208 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20140928 | 20150922 | 16/07 | 46.485 | 10.771 | 3157 | -1075 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20140928 | 20150922 | 21/07 | 46.482 | 10.774 | 3120 | -1135 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20140928 | 20150922 | 7/09 | 46.484 | 10.773 | 3112 | -1362 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20140928 | 20150922 | 9/10 | 46.486 | 10.772 | 3109 | -858 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20140928 | 20150922 | 6/09 | 46.482 | 10.775 | 3077 | -1132 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20140928 | 20150922 | 10/09 | 46.486 | 10.774 | 3061 | -1822 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20140928 | 20150922 | 23/11 | 46.486 | 10.775 | 3047 | -1840 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20140928 | 20150922 | 22/10 | 46.485 | 10.775 | 3030 | -1220 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20140928 | 20150922 | 20/13 | 46.482 | 10.776 | 3020 | -2520 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20140928 | 20150922 | 12/08 | 46.486 | 10.776 | 3013 | -337 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20140928 | 20150922 | 11/13 | 46.482 | 10.777 | 2996 | -2120 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20140928 | 20150922 | 14/07 | 46.482 | 10.778 | 2943 | -1829 | BA |
| IT | FONTANA BIANCA / WEISSBRUNNF. | 1507 | 20140928 | 20150922 | 15/06 | 46.483 | 10.780 | 2901 | -466 | BA |
| IT | GRAND ETRET | 1238 | 20140999 | 20150525 | P7 | | | 3035 | 1314 | BW |
| IT | GRAND ETRET | 1238 | 20140999 | 20150525 | P6 | | | 3035 | 1676 | BW |
| IT | GRAND ETRET | 1238 | 20140999 | 20150525 | P5 | | | 2955 | 1334 | BW |
| IT | GRAND ETRET | 1238 | 20140999 | 20150525 | P4 | | | 2880 | 1879 | BW |
| IT | GRAND ETRET | 1238 | 20140999 | 20150525 | P3 | | | 2840 | 1129 | BW |
| IT | GRAND ETRET | 1238 | 20140999 | 20150525 | P2 | | | 2780 | 1162 | BW |
| IT | GRAND ETRET | 1238 | 20140999 | 20150525 | P1 | | | 2725 | 1291 | BW |
| IT | GRAND ETRET | 1238 | 20140999 | 20150919 | P6 | | | 3035 | -1201 | BA |
| IT | GRAND ETRET | 1238 | 20140999 | 20150919 | P7 | | | 3035 | -2523 | BA |
| IT | GRAND ETRET | 1238 | 20140999 | 20150919 | P5 | | | 2955 | -1479 | BA |
| IT | GRAND ETRET | 1238 | 20140999 | 20150919 | P4 | | | 2880 | -1496 | BA |
| IT | GRAND ETRET | 1238 | 20140999 | 20150919 | P3 | | | 2840 | -2228 | BA |
| IT | GRAND ETRET | 1238 | 20140999 | 20150919 | P2 | | | 2780 | -2610 | BA |
| IT | GRAND ETRET | 1238 | 20140999 | 20150919 | P1 | | | 2725 | -2419 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 26 | 46.458 | 10.612 | 3411 | 1275 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 25 | 46.459 | 10.610 | 3364 | 1105 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 23 | 46.463 | 10.613 | 3288 | 1619 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 31 | 46.461 | 10.605 | 3280 | 1489 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 24 | 46.462 | 10.609 | 3270 | 1684 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 30 | 46.464 | 10.612 | 3261 | 1392 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 32 | 46.465 | 10.602 | 3241 | 2042 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 21 | 46.465 | 10.608 | 3224 | 1030 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 22 | 46.464 | 10.605 | 3223 | 1475 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 20 | 46.467 | 10.605 | 3169 | 1626 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 33 | 46.473 | 10.606 | 3144 | 2200 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 34 | 46.468 | 10.607 | 3139 | 1863 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 29 | 46.470 | 10.606 | 3113 | 1656 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 18 | 46.471 | 10.607 | 3087 | 2001 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 16 | 46.47 | 10.609 | 3080 | 1447 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 13a | 46.472 | 10.610 | 3054 | 1637 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 15 | 46.473 | 10.609 | 3045 | 1807 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 27 | 46.473 | 10.611 | 3005 | 1797 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 14 | 46.473 | 10.613 | 2963 | 1822 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 12 | 46.471 | 10.616 | 2908 | 1523 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 28 | 46.472 | 10.617 | 2882 | 1754 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 11 | 46.471 | 10.617 | 2880 | 1458 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 9 | 46.471 | 10.619 | 2832 | 1544 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 8 | 46.471 | 10.621 | 2805 | 1730 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 10 | 46.473 | 10.620 | 2785 | 1629 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 5a | 46.472 | 10.622 | 2763 | 1650 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 7 | 46.473 | 10.622 | 2761 | 1393 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 6 | 46.473 | 10.623 | 2727 | 1456 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140430 | 4a | 46.473 | 10.624 | 2719 | 1301 | BW |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 26 | 46.458 | 10.612 | 3411 | 1035 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 25 | 46.459 | 10.610 | 3364 | 731 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 23 | 46.463 | 10.613 | 3288 | 1627 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 31 | 46.461 | 10.605 | 3280 | 1213 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 24 | 46.462 | 10.609 | 3270 | 1393 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 30 | 46.464 | 10.612 | 3261 | 1035 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 32 | 46.465 | 10.602 | 3241 | 1008 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 21 | 46.465 | 10.608 | 3224 | 293 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 22 | 46.464 | 10.605 | 3223 | 860 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 20 | 46.467 | 10.605 | 3169 | 506 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 33 | 46.473 | 10.606 | 3144 | 938 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 34 | 46.468 | 10.607 | 3139 | 1078 | BA |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 29 | 46.470 | 10.606 | 3113 | 752 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 18 | 46.471 | 10.607 | 3087 | 772 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 16 | 46.47 | 10.609 | 3080 | 185 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 13a | 46.472 | 10.610 | 3054 | 364 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 15 | 46.473 | 10.609 | 3045 | 456 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 27 | 46.473 | 10.611 | 3005 | 130 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 14 | 46.473 | 10.613 | 2963 | -438 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 12 | 46.471 | 10.616 | 2908 | -859 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 28 | 46.472 | 10.617 | 2882 | -807 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 11 | 46.471 | 10.617 | 2880 | -1153 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 9 | 46.471 | 10.619 | 2832 | -1599 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 8 | 46.471 | 10.621 | 2805 | -2351 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 10 | 46.473 | 10.620 | 2785 | -1538 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 5a | 46.472 | 10.622 | 2763 | -2663 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 7 | 46.473 | 10.622 | 2761 | -2793 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 6 | 46.473 | 10.623 | 2727 | -3050 | BA |
| IT | LUNGA (VEDRETTA) / LANGENF. | 661 | 20131001 | 20140930 | 4a | 46.473 | 10.624 | 2719 | -2331 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 67 | 46.074 | 9.992 | 2613 | 1638 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 68 | 46.074 | 9.993 | 2612 | 1913 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 62 | 46.074 | 9.989 | 2606 | 1968 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 4 | 46.074 | 9.992 | 2605 | 1645 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 69 | 46.074 | 9.992 | 2603 | 1665 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 63 | 46.074 | 9.990 | 2588 | 2122 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 66 | 46.074 | 9.991 | 2588 | 1280 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 61 | 46.075 | 9.989 | 2586 | 1473 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 65 | 46.074 | 9.991 | 2584 | 1115 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 64 | 46.074 | 9.990 | 2579 | 2270 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 70 | 46.074 | 9.992 | 2577 | 1775 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 5 | 46.074 | 9.99 | 2575 | 2176 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 60 | 46.076 | 9.987 | 2571 | 1610 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 71 | 46.075 | 9.992 | 2559 | 1665 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 72 | 46.075 | 9.991 | 2557 | 1610 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 1 | 46.075 | 9.991 | 2555 | 1416 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 73 | 46.075 | 9.991 | 2552 | 1473 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 74 | 46.075 | 9.991 | 2548 | 1225 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 75 | 46.075 | 9.991 | 2546 | 1610 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 76 | 46.075 | 9.990 | 2544 | 1335 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 78 | 46.075 | 9.990 | 2543 | 290 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 2 | 46.075 | 9.991 | 2543 | 1453 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 77 | 46.075 | 9.990 | 2540 | 290 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 79 | 46.076 | 9.989 | 2536 | 813 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 80 | 46.076 | 9.988 | 2535 | 675 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 81 | 46.076 | 9.988 | 2521 | 950 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 82 | 46.076 | 9.989 | 2506 | 675 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 83 | 46.076 | 9.989 | 2500 | 675 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 3 | 46.077 | 9.990 | 2499 | -135 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 84 | 46.076 | 9.990 | 2499 | 785 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 85 | 46.077 | 9.989 | 2480 | 1445 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 86 | 46.077 | 9.989 | 2466 | 1225 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 89 | 46.078 | 9.989 | 2457 | 2023 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 87 | 46.078 | 9.990 | 2453 | 1555 | BA |
| IT | LUPO | 1138 | 20130928 | 20141008 | 88 | 46.078 | 9.990 | 2450 | 1400 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P20 | 46.571 | 11.096 | 3403 | 1430 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P21 | 46.571 | 11.096 | 3357 | 1430 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P16 | 46.580 | 11.112 | 3240 | 1670 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P15 | 46.575 | 11.111 | 3174 | 748 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P22 | 46.573 | 11.102 | 3158 | 2044 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P24 | 46.574 | 11.103 | 3149 | 431 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P25 | 46.574 | 11.103 | 3131 | -125 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P14 | 46.575 | 11.111 | 3131 | 401 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P23 | 46.571 | 11.103 | 3122 | 200 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P10 | 46.574 | 11.105 | 3045 | 705 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P09 | 46.573 | 11.105 | 3030 | 342 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P08 | 46.573 | 11.106 | 3009 | -627 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P07 | 46.572 | 11.110 | 2987 | -996 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P19 | 46.562 | 11.11 | 2985 | 338 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P18 | 46.563 | 11.106 | 2935 | -87 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P06 | 46.571 | 11.110 | 2892 | -800 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P17 | 46.564 | 11.106 | 2877 | -700 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P13 | 46.561 | 11.113 | 2877 | 93 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P05 | 46.566 | 11.111 | 2850 | -917 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P12 | 46.562 | 11.114 | 2826 | -340 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P11 | 46.564 | 11.114 | 2768 | -619 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P03 | 46.565 | 11.114 | 2760 | -1160 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P02 | 46.565 | 11.116 | 2710 | -1458 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P01 | 46.566 | 11.121 | 2660 | -1521 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20130924 | 20140929 | P04 | 46.566 | 11.112 | 1812 | -917 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P20 | 46.571 | 11.096 | 3403 | 1422 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P21 | 46.571 | 11.096 | 3357 | 900 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P16 | 46.580 | 11.112 | 3240 | 90 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P15 | 46.575 | 11.111 | 3174 | -840 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P22 | 46.573 | 11.102 | 3158 | 366 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P24 | 46.574 | 11.103 | 3149 | -1666 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P25 | 46.574 | 11.103 | 3131 | -1845 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P14 | 46.575 | 11.111 | 3131 | -826 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P23 | 46.571 | 11.103 | 3122 | -567 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P10 | 46.574 | 11.105 | 3045 | -1484 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P09 | 46.573 | 11.105 | 3030 | -1176 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P08 | 46.573 | 11.106 | 3009 | -1575 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P07 | 46.572 | 11.110 | 2987 | -1935 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P19 | 46.562 | 11.11 | 2985 | -1259 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P18 | 46.563 | 11.106 | 2935 | -1278 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P06 | 46.571 | 11.110 | 2892 | -2025 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P13 | 46.561 | 11.113 | 2877 | -1236 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P17 | 46.564 | 11.106 | 2877 | -1575 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P05 | 46.566 | 11.111 | 2850 | -1953 | BA |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P12 | 46.562 | 11.114 | 2826 | -1521 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P11 | 46.564 | 11.114 | 2768 | -1935 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P03 | 46.565 | 11.114 | 2760 | -2358 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P02 | 46.565 | 11.116 | 2710 | -2988 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P01 | 46.566 | 11.121 | 2660 | -3285 | BA |
| IT | MALAVALLE (VEDR. DI) / UEBELTALF. | 672 | 20140929 | 20150927 | P04 | 46.566 | 11.112 | 1812 | -1863 | BA |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 20130924 | 20140929 | P84 | 46.964 | 11.216 | 2865 | 129 | BA |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 20130924 | 20140929 | P49 | 46.965 | 11.218 | 2850 | 374 | BA |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 20130924 | 20140929 | P86 | 46.966 | 11.238 | 2826 | -540 | BA |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 20130924 | 20140929 | P76 | 46.965 | 11.233 | 2797 | -270 | BA |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 20130924 | 20140929 | P50 | 46.966 | 11.222 | 2770 | -612 | BA |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 20130924 | 20140929 | P85 | 46.967 | 11.230 | 2754 | -261 | BA |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 20130924 | 20140929 | P81 | 46.967 | 11.225 | 2718 | -126 | BA |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 20130924 | 20140929 | P80 | 46.965 | 11.225 | 2689 | -360 | BA |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 20130924 | 20140929 | P79 | 46.963 | 11.225 | 2660 | -1080 | BA |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 20140929 | 20150927 | P84 | 46.964 | 11.216 | 2863 | -665 | BA |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 20140929 | 20150927 | P49 | 46.965 | 11.218 | 2841 | -728 | BA |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 20140929 | 20150927 | P86 | 46.966 | 11.238 | 2816 | -1791 | BA |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 20140929 | 20150927 | P76 | 46.965 | 11.233 | 2792 | -1710 | BA |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 20140929 | 20150927 | P85 | 46.967 | 11.230 | 2760 | -1377 | BA |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 20140929 | 20150927 | P50 | 46.966 | 11.222 | 2756 | -2601 | BA |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 20140929 | 20150927 | P81 | 46.967 | 11.225 | 2714 | -1179 | BA |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 20140929 | 20150927 | P80 | 46.965 | 11.225 | 2680 | -1908 | BA |
| IT | PENDENTE (VEDR.) / HANGENDERF. | 675 | 20140929 | 20150927 | P79 | 46.963 | 11.225 | 2655 | -2322 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 27/09 | 46.900 | 12.099 | 3159 | 323 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 13/08 | 46.902 | 12.091 | 3147 | 748 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 26/09 | 46.902 | 12.094 | 3113 | 780 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 12/08 | 46.903 | 12.099 | 3105 | 689 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 9/08 | 46.904 | 12.097 | 3067 | 699 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 14/08 | 46.904 | 12.093 | 3050 | 323 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 10/08 | 46.903 | 12.103 | 3045 | 742 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 7/08 | 46.904 | 12.101 | 3040 | 463 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 16/08 | 46.906 | 12.092 | 2987 | -242 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 5/08 | 46.906 | 12.103 | 2980 | -194 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 8/08 | 46.905 | 12.105 | 2977 | -199 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 17/08 | 46.907 | 12.096 | 2975 | -174 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 19/08 | 46.908 | 12.092 | 2931 | 50 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 11/08 | 46.906 | 12.106 | 2923 | -164 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 24/09 | 46.909 | 12.092 | 2914 | -159 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 4/08 | 46.907 | 12.103 | 2898 | -63 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 18/08 | 46.910 | 12.097 | 2878 | -199 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 23/12 | 46.910 | 12.094 | 2870 | -756 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 3/12 | 46.908 | 12.101 | 2865 | -377 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 3/08 | 46.909 | 12.101 | 2833 | -754 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 22/10 | 46.912 | 12.097 | 2828 | -830 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 20/10 | 46.913 | 12.095 | 2812 | -839 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 21/10 | 46.915 | 12.096 | 2770 | -75 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 2/10 | 46.911 | 12.102 | 2723 | -1049 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20130924 | 20140926 | 1/12 | 46.913 | 12.102 | 2678 | -1353 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20140926 | 20151001 | 27/09 | 46.900 | 12.099 | 3159 | -1264 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20140926 | 20151001 | 13/08 | 46.902 | 12.091 | 3147 | -1098 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20140926 | 20151001 | 26/09 | 46.902 | 12.094 | 3113 | -761 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20140926 | 20151001 | 12/08 | 46.903 | 12.099 | 3105 | -1222 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20140926 | 20151001 | 9/08 | 46.904 | 12.097 | 3067 | -1795 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20140926 | 20151001 | 14/08 | 46.904 | 12.093 | 3050 | -1839 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20140926 | 20151001 | 10/08 | 46.903 | 12.103 | 3045 | -1406 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20140926 | 20151001 | 7/15 | 46.904 | 12.101 | 3040 | -1251 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20140926 | 20151001 | 16/13 | 46.906 | 12.092 | 2987 | -1276 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20140926 | 20151001 | 5/08 | 46.906 | 12.103 | 2980 | -1506 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20140926 | 20151001 | 8/08 | 46.905 | 12.105 | 2977 | -1160 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20140926 | 20151001 | 17/13 | 46.907 | 12.096 | 2971 | -892 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20140926 | 20151001 | 18/08 | 46.910 | 12.097 | 2931 | -2178 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20140926 | 20151001 | 11/12 | 46.906 | 12.105 | 2923 | -2225 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20140926 | 20151001 | 23/12 | 46.910 | 12.094 | 2914 | -3065 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20140926 | 20151001 | 24/13 | 46.909 | 12.092 | 2910 | -2307 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20140926 | 20151001 | 4/08 | 46.907 | 12.103 | 2898 | -2085 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20140926 | 20151001 | 3/12 | 46.908 | 12.101 | 2865 | -2275 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20140926 | 20151001 | 21/15 | 46.914 | 12.096 | 2828 | -3481 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20140926 | 20151001 | 22/13 | 46.912 | 12.097 | 2822 | -3124 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20140926 | 20151001 | 19/08 | 46.908 | 12.092 | 2812 | -1931 | BA |
| IT | RIES OCC. (VEDR. DI) / RIESERF. WESTL. | 645 | 20140926 | 20151001 | 20/10 | 46.913 | 12.095 | 2770 | -3134 | BA |
| IT | SURETTA MERID. | 2488 | 20131009 | 20141007 | 52 | 46.506 | 9.363 | 2840 | 303 | BA |
| IT | SURETTA MERID. | 2488 | 20131009 | 20141007 | 4 | 46.507 | 9.364 | 2830 | 853 | BA |
| IT | SURETTA MERID. | 2488 | 20131009 | 20141007 | 51 | 46.506 | 9.365 | 2810 | 605 | BA |
| IT | SURETTA MERID. | 2488 | 20131009 | 20141007 | 53 | 46.506 | 9.365 | 2795 | 1815 | BA |
| IT | SURETTA MERID. | 2488 | 20131009 | 20141007 | 50 | 46.507 | 9.364 | 2790 | 275 | BA |
| IT | SURETTA MERID. | 2488 | 20131009 | 20141007 | 2 | 46.505 | 9.364 | 2775 | 495 | BA |
| IT | SURETTA MERID. | 2488 | 20131009 | 20141007 | 3 | 46.505 | 9.363 | 2770 | -90 | BA |
| IT | SURETTA MERID. | 2488 | 20131009 | 20141007 | 33 | 46.505 | 9.363 | 2765 | -450 | BA |
| IT | SURETTA MERID. | 2488 | 20131009 | 20141007 | 1 | 46.504 | 9.364 | 2760 | -405 | BA |
| **KE - Kenya** | | | | | | | | | | |
| KE | LEWIS | 695 | 20130308 | 20140223 | 1 | -0.155 | 37.315 | 4855 | -1418 | BA |
| KE | LEWIS | 695 | 20130308 | 20140223 | 2 | -0.156 | 37.315 | 4840 | -150 | BA |
| KE | LEWIS | 695 | 20130308 | 20140223 | 7 | -0.156 | 37.316 | 4837 | -276 | BA |
| KE | LEWIS | 695 | 20130308 | 20140223 | 4 | -0.155 | 37.315 | 4828 | -306 | BA |
| KE | LEWIS | 695 | 20130308 | 20140223 | 5 | -0.156 | 37.315 | 4828 | -140 | BA |
| KE | LEWIS | 695 | 20130308 | 20140223 | 6 | -0.156 | 37.315 | 4825 | -280 | BA |
| KE | LEWIS | 695 | 20130308 | 20140223 | 8 | -0.157 | 37.315 | 4820 | -504 | BA |
| KE | LEWIS | 695 | 20130308 | 20140223 | 9 | -0.157 | 37.315 | 4806 | -600 | BA |
| KE | LEWIS | 695 | 20130308 | 20140223 | 11 | -0.156 | 37.314 | 4805 | -689 | BA |
| KE | LEWIS | 695 | 20130308 | 20140223 | 10 | -0.156 | 37.315 | 4804 | -531 | BA |
| KE | LEWIS | 695 | 20130308 | 20140223 | 16 | -0.157 | 37.314 | 4758 | -981 | BA |
| KE | LEWIS | 695 | 20130308 | 20140223 | 19 | -0.156 | 37.313 | 4738 | -2165 | BA |
| KE | LEWIS | 695 | 20130308 | 20140223 | 20 | -0.157 | 37.314 | 4733 | -1364 | BA |
| KE | LEWIS | 695 | 20130308 | 20140223 | 18 | -0.157 | 37.314 | 4733 | -682 | BA |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| KE | LEWIS | 695 | 20130308 | 20140223 | 22 | -0.158 | 37.313 | 4707 | -1963 | BA |
| KE | LEWIS | 695 | 20130308 | 20140223 | 24 | -0.157 | 37.313 | 4697 | -1989 | BA |
| KE | LEWIS | 695 | 20130308 | 20140223 | 26 | -0.158 | 37.313 | 4675 | -2354 | BA |
| **KG - Kyrgyzstan** | | | | | | | | | | |
| KG | ABRAMOV | 732 | 20130816 | 2014818 | ABRAC02 | 39.596 | 71.556 | 4398 | 670 | BA |
| KG | ABRAMOV | 732 | 20130816 | 2014818 | ABRAC03 | 39.619 | 71.523 | 4294 | 190 | BA |
| KG | ABRAMOV | 732 | 20130816 | 2014818 | ABRAC01 | 39.603 | 71.572 | 4253 | -90 | BA |
| KG | ABRAMOV | 732 | 20130816 | 2014818 | ABRAC04 | 39.610 | 71.531 | 4217 | -280 | BA |
| KG | ABRAMOV | 732 | 20130816 | 2014818 | ABR13 | 39.621 | 71.548 | 4057 | -1800 | BA |
| KG | ABRAMOV | 732 | 20130816 | 2014818 | ABR12 | 39.624 | 71.548 | 4045 | -2210 | BA |
| KG | ABRAMOV | 732 | 20130816 | 2014818 | ABR14 | 39.619 | 71.554 | 4032 | -1290 | BA |
| KG | ABRAMOV | 732 | 20130816 | 2014818 | ABR16 | 39.625 | 71.565 | 4006 | -2290 | BA |
| KG | ABRAMOV | 732 | 20130816 | 2014818 | ABR15 | 39.622 | 71.560 | 4005 | -2200 | BA |
| KG | ABRAMOV | 732 | 20130816 | 2014818 | ABR11 | 39.627 | 71.560 | 3971 | -2670 | BA |
| KG | ABRAMOV | 732 | 20130816 | 2014818 | ABR09 | 39.633 | 71.558 | 3938 | -2820 | BA |
| KG | ABRAMOV | 732 | 20130816 | 2014818 | ABR10 | 39.631 | 71.566 | 3928 | -3650 | BA |
| KG | ABRAMOV | 732 | 20130816 | 2014818 | ABR08 | 39.632 | 71.562 | 3918 | -3290 | BA |
| KG | ABRAMOV | 732 | 20130816 | 2014818 | ABR07 | 39.635 | 71.563 | 3896 | -3190 | BA |
| KG | ABRAMOV | 732 | 20130816 | 2014818 | ABR06 | 39.640 | 71.565 | 3850 | -4180 | BA |
| KG | ABRAMOV | 732 | 20130816 | 2014818 | ABR04 | 39.644 | 71.562 | 3828 | -4090 | BA |
| KG | ABRAMOV | 732 | 20130816 | 2014818 | ABR03 | 39.644 | 71.565 | 3818 | -4180 | BA |
| KG | ABRAMOV | 732 | 20130816 | 2014818 | ABR02 | 39.644 | 71.567 | 3818 | -4720 | BA |
| KG | ABRAMOV | 732 | 20130816 | 2014818 | ABR05 | 39.649 | 71.565 | 3758 | -5420 | BA |
| KG | ABRAMOV | 732 | 20130816 | 2014818 | ABR01 | 39.651 | 71.566 | 3724 | -5370 | BA |
| KG | ABRAMOV | 732 | 20140818 | 20150827 | ABRAC01 | 39.596 | 71.557 | 4394 | 1450 | BA |
| KG | ABRAMOV | 732 | 20140818 | 20150827 | ABRAC02 | 39.619 | 71.523 | 4288 | 830 | BA |
| KG | ABRAMOV | 732 | 20140818 | 20150827 | ABRAC03 | 39.604 | 71.572 | 4253 | 700 | BA |
| KG | ABRAMOV | 732 | 20140818 | 20150827 | ABR13 | 39.621 | 71.548 | 4057 | -1430 | BA |
| KG | ABRAMOV | 732 | 20140818 | 20150827 | ABR14 | 39.619 | 71.554 | 4032 | -1130 | BA |
| KG | ABRAMOV | 732 | 20140818 | 20150827 | ABR16 | 39.625 | 71.565 | 4006 | -2070 | BA |
| KG | ABRAMOV | 732 | 20140818 | 20150827 | ABR15 | 39.622 | 71.560 | 4005 | -1070 | BA |
| KG | ABRAMOV | 732 | 20140818 | 20150827 | ABR11 | 39.627 | 71.560 | 3971 | -2480 | BA |
| KG | ABRAMOV | 732 | 20140818 | 20150827 | ABR09 | 39.633 | 71.558 | 3938 | -2980 | BA |
| KG | ABRAMOV | 732 | 20140818 | 20150827 | ABR10 | 39.631 | 71.566 | 3928 | -3200 | BA |
| KG | ABRAMOV | 732 | 20140818 | 20150827 | ABR08 | 39.632 | 71.562 | 3918 | -3170 | BA |
| KG | ABRAMOV | 732 | 20140818 | 20150827 | ABR07 | 39.635 | 71.563 | 3896 | -2980 | BA |
| KG | ABRAMOV | 732 | 20140818 | 20150827 | ABR06 | 39.641 | 71.565 | 3850 | -3870 | BA |
| KG | ABRAMOV | 732 | 20140818 | 20150827 | ABR04 | 39.644 | 71.562 | 3828 | -4310 | BA |
| KG | ABRAMOV | 732 | 20140818 | 20150827 | ABR02 | 39.644 | 71.567 | 3818 | -4580 | BA |
| KG | ABRAMOV | 732 | 20140818 | 20150827 | ABR03 | 39.644 | 71.565 | 3818 | -4230 | BA |
| KG | ABRAMOV | 732 | 20140818 | 20150827 | ABR05 | 39.649 | 71.565 | 3758 | -5200 | BA |
| KG | ABRAMOV | 732 | 20140818 | 20150827 | ABR01 | 39.651 | 71.566 | 3724 | -5050 | BA |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20130826 | 20140829 | AC2 | 77.751 | 41.778 | 4464 | 70 | BA |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20130826 | 20140829 | AC1 | 77.749 | 41.781 | 4303 | 480 | BA |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20130826 | 20140829 | SZ10 | 77.751 | 41.786 | 4195 | -540 | BA |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20130826 | 20140829 | SZ08 | 77.751 | 41.787 | 4182 | -670 | BA |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20130826 | 20140829 | SZ09 | 77.751 | 41.788 | 4153 | -630 | BA |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20130826 | 20140829 | SZ04 | 77.750 | 41.791 | 4103 | -1220 | BA |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20130826 | 20140829 | SZ05 | 77.748 | 41.792 | 4088 | -1240 | BA |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20130826 | 20140829 | SZ07 | 77.750 | 41.793 | 4045 | -1890 | BA |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20130826 | 20140829 | SZ02 | 77.749 | 41.794 | 4031 | -1560 | BA |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20130826 | 20140829 | SZ01 | 77.750 | 41.796 | 3998 | -1730 | BA |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | a161 | 77.751 | 41.778 | 4464 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 163 | 77.751 | 41.778 | 4458 | 80 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | a164 | 77.751 | 41.778 | 4457 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | sz1 | 77.750 | 41.778 | 4455 | 80 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | a162 | 77.752 | 41.778 | 4454 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 508 | 77.750 | 41.778 | 4450 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 509 | 77.749 | 41.778 | 4439 | 30 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 168 | 77.750 | 41.779 | 4433 | 210 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | a166 | 77.749 | 41.778 | 4426 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | a167 | 77.749 | 41.779 | 4424 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 510 | 77.749 | 41.779 | 4418 | 40 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 169 | 77.749 | 41.779 | 4416 | 100 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 511 | 77.749 | 41.779 | 4412 | 140 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 171 | 77.748 | 41.779 | 4409 | 10 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 170 | 77.749 | 41.779 | 4409 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 512 | 77.748 | 41.779 | 4407 | 90 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 513 | 77.748 | 41.779 | 4403 | 90 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 173 | 77.748 | 41.779 | 4403 | 130 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 514 | 77.748 | 41.779 | 4399 | 90 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 174 | 77.748 | 41.779 | 4398 | 130 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 178 | 77.747 | 41.780 | 4394 | 110 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 515 | 77.748 | 41.779 | 4394 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 175 | 77.749 | 41.779 | 4392 | 200 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 519 | 77.747 | 41.780 | 4390 | 90 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 176 | 77.748 | 41.779 | 4390 | 200 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 516 | 77.747 | 41.780 | 4387 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 177 | 77.748 | 41.779 | 4385 | 140 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 181 | 77.747 | 41.780 | 4381 | 110 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 520 | 77.748 | 41.780 | 4367 | 440 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 522 | 77.749 | 41.780 | 4363 | 490 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 182 | 77.747 | 41.780 | 4363 | 160 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 521 | 77.748 | 41.780 | 4361 | 520 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 183 | 77.748 | 41.780 | 4357 | 370 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 184 | 77.748 | 41.780 | 4354 | 370 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 185 | 77.749 | 41.780 | 4352 | 340 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 523 | 77.750 | 41.780 | 4351 | 400 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 186 | 77.750 | 41.780 | 4351 | 340 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 187 | 77.750 | 41.780 | 4343 | 400 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 525 | 77.751 | 41.780 | 4341 | 390 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 524 | 77.750 | 41.780 | 4341 | 540 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 529 | 77.750 | 41.780 | 4331 | 500 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 527 | 77.751 | 41.780 | 4330 | 450 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 528 | 77.751 | 41.780 | 4330 | 360 | BW |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 188 | 77.751 | 41.780 | 4330 | 640 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 526 | 77.751 | 41.780 | 4329 | 400 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 189 | 77.751 | 41.780 | 4327 | 510 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 190 | 77.752 | 41.780 | 4325 | 350 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 530 | 77.750 | 41.780 | 4321 | 300 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 193 | 77.751 | 41.780 | 4321 | 340 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 531 | 77.751 | 41.780 | 4321 | 450 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 532 | 77.751 | 41.780 | 4319 | 290 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 192 | 77.751 | 41.780 | 4319 | 270 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 198 | 77.748 | 41.782 | 4318 | 340 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 534 | 77.752 | 41.780 | 4317 | 320 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 191 | 77.752 | 41.780 | 4317 | 400 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 535 | 77.752 | 41.780 | 4316 | 190 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 196 | 77.749 | 41.781 | 4315 | 250 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 197 | 77.748 | 41.781 | 4313 | 310 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 194 | 77.750 | 41.780 | 4312 | 340 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 533 | 77.752 | 41.780 | 4311 | 440 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 195 | 77.749 | 41.781 | 4310 | 330 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | sz2 | 77.749 | 41.781 | 4308 | 250 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 536 | 77.752 | 41.780 | 4307 | 290 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 201 | 77.749 | 41.781 | 4306 | 250 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 199 | 77.748 | 41.781 | 4306 | 250 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 537 | 77.752 | 41.781 | 4305 | 430 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 200 | 77.749 | 41.781 | 4301 | 400 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 540 | 77.751 | 41.781 | 4301 | 590 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 539 | 77.751 | 41.781 | 4301 | 640 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 202 | 77.750 | 41.781 | 4300 | 310 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 542 | 77.752 | 41.781 | 4296 | 440 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 203 | 77.750 | 41.781 | 4295 | 300 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 541 | 77.751 | 41.781 | 4294 | 280 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 205 | 77.751 | 41.781 | 4294 | 350 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 543 | 77.752 | 41.781 | 4294 | 270 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 204 | 77.751 | 41.781 | 4294 | 330 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 544 | 77.753 | 41.781 | 4291 | 100 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 206 | 77.752 | 41.781 | 4289 | 280 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 545 | 77.753 | 41.781 | 4289 | 80 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 207 | 77.752 | 41.781 | 4287 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 208 | 77.753 | 41.781 | 4285 | 200 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 546 | 77.753 | 41.781 | 4284 | 120 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 212 | 77.751 | 41.781 | 4282 | 60 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 210 | 77.752 | 41.781 | 4282 | 230 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 211 | 77.751 | 41.781 | 4281 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 209 | 77.752 | 41.781 | 4280 | 200 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 507 | 77.749 | 41.782 | 4279 | 170 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 213 | 77.750 | 41.781 | 4278 | 210 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 547 | 77.753 | 41.781 | 4276 | 300 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 216 | 77.749 | 41.782 | 4274 | 140 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 548 | 77.752 | 41.781 | 4274 | 660 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 549 | 77.752 | 41.781 | 4274 | 400 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 214 | 77.750 | 41.782 | 4272 | 300 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 215 | 77.749 | 41.782 | 4271 | 140 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 552 | 77.753 | 41.782 | 4269 | 140 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 550 | 77.752 | 41.781 | 4268 | 510 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 554 | 77.753 | 41.782 | 4267 | 140 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 553 | 77.753 | 41.782 | 4267 | 180 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 551 | 77.753 | 41.782 | 4266 | 200 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 555 | 77.753 | 41.782 | 4262 | 120 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 217 | 77.750 | 41.782 | 4261 | 140 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 218 | 77.750 | 41.782 | 4259 | 280 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 556 | 77.752 | 41.782 | 4259 | 160 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 557 | 77.751 | 41.782 | 4258 | 190 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 558 | 77.752 | 41.782 | 4256 | 170 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 219 | 77.751 | 41.782 | 4255 | 140 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 562 | 77.753 | 41.784 | 4254 | 90 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 561 | 77.753 | 41.783 | 4254 | 40 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 220 | 77.751 | 41.782 | 4253 | 110 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 559 | 77.752 | 41.783 | 4253 | 100 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 222 | 77.750 | 41.783 | 4252 | 110 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 221 | 77.751 | 41.783 | 4251 | 160 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 560 | 77.753 | 41.783 | 4250 | 140 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 563 | 77.753 | 41.783 | 4248 | 100 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 223 | 77.750 | 41.783 | 4248 | 130 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 564 | 77.752 | 41.784 | 4245 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 565 | 77.752 | 41.784 | 4239 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 566 | 77.751 | 41.784 | 4236 | 40 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 224 | 77.749 | 41.784 | 4234 | 130 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 567 | 77.752 | 41.784 | 4231 | 80 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 568 | 77.752 | 41.784 | 4228 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 225 | 77.749 | 41.784 | 4228 | 60 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 570 | 77.753 | 41.785 | 4227 | 100 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 226 | 77.748 | 41.785 | 4226 | 110 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 569 | 77.753 | 41.785 | 4226 | 80 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 227 | 77.748 | 41.785 | 4223 | 100 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 571 | 77.753 | 41.785 | 4216 | 100 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 228 | 77.748 | 41.785 | 4215 | 210 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 572 | 77.752 | 41.785 | 4213 | 100 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 573 | 77.752 | 41.785 | 4210 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 574 | 77.751 | 41.785 | 4209 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 575 | 77.752 | 41.785 | 4205 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 229 | 77.749 | 41.785 | 4204 | 130 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 230 | 77.750 | 41.785 | 4204 | 140 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 231 | 77.751 | 41.786 | 4197 | 40 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 577 | 77.752 | 41.786 | 4195 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 576 | 77.751 | 41.786 | 4195 | 60 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 578 | 77.752 | 41.786 | 4194 | 90 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 579 | 77.753 | 41.787 | 4192 | 90 | BW |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 232 | 77.751 | 41.786 | 4191 | 40 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 233 | 77.751 | 41.786 | 4189 | 80 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 234 | 77.750 | 41.786 | 4189 | 200 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 580 | 77.752 | 41.787 | 4187 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 235 | 77.749 | 41.786 | 4185 | 100 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 581 | 77.751 | 41.787 | 4183 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 583 | 77.751 | 41.787 | 4182 | 50 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 582 | 77.751 | 41.787 | 4182 | 50 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 236 | 77.749 | 41.786 | 4179 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 237 | 77.748 | 41.787 | 4173 | 100 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 585 | 77.752 | 41.788 | 4172 | 80 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 584 | 77.751 | 41.787 | 4172 | 40 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 586 | 77.752 | 41.788 | 4168 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 238 | 77.748 | 41.787 | 4167 | 60 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 239 | 77.747 | 41.788 | 4163 | 110 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 589 | 77.752 | 41.788 | 4162 | 60 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 587 | 77.751 | 41.788 | 4161 | 10 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 588 | 77.751 | 41.788 | 4160 | 50 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 240 | 77.748 | 41.788 | 4157 | 60 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 590 | 77.751 | 41.788 | 4156 | 60 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 591 | 77.751 | 41.788 | 4153 | 60 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 593 | 77.751 | 41.789 | 4152 | 40 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 592 | 77.751 | 41.789 | 4151 | 10 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 241 | 77.749 | 41.788 | 4151 | 40 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 594 | 77.751 | 41.789 | 4148 | 50 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 242 | 77.749 | 41.788 | 4145 | 40 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 243 | 77.750 | 41.788 | 4143 | 10 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 244 | 77.749 | 41.788 | 4141 | 40 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 595 | 77.750 | 41.789 | 4140 | 30 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 248 | 77.747 | 41.790 | 4140 | 60 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 245 | 77.749 | 41.789 | 4140 | 30 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 247 | 77.747 | 41.789 | 4136 | 100 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 599 | 77.750 | 41.790 | 4136 | 10 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 596 | 77.749 | 41.789 | 4134 | 10 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 246 | 77.748 | 41.789 | 4133 | 10 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 600 | 77.751 | 41.790 | 4132 | 40 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 601 | 77.751 | 41.790 | 4132 | 0 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 249 | 77.748 | 41.790 | 4125 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 250 | 77.748 | 41.790 | 4125 | 10 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 602 | 77.750 | 41.790 | 4119 | 30 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 251 | 77.749 | 41.790 | 4117 | 10 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 603 | 77.749 | 41.790 | 4110 | 70 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 604 | 77.749 | 41.791 | 4107 | 10 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 607 | 77.750 | 41.791 | 4103 | 20 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 605 | 77.750 | 41.791 | 4103 | 10 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 606 | 77.750 | 41.791 | 4100 | 10 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 608 | 77.749 | 41.792 | 4087 | 10 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 609 | 77.748 | 41.792 | 4082 | 50 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 610 | 77.748 | 41.792 | 4077 | 10 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | i6 | 77.750 | 41.792 | 4072 | 0 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 612 | 77.747 | 41.793 | 4071 | 40 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 611 | 77.747 | 41.793 | 4071 | 80 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 613 | 77.748 | 41.793 | 4066 | 50 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | i5 | 77.750 | 41.793 | 4065 | 0 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 614 | 77.748 | 41.793 | 4062 | 10 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | i3 | 77.750 | 41.793 | 4061 | 10 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | i4 | 77.751 | 41.793 | 4060 | 0 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 615 | 77.748 | 41.793 | 4055 | 80 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | i10 | 77.750 | 41.793 | 4054 | 0 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | 616 | 77.747 | 41.794 | 4054 | 140 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | i2 | 77.751 | 41.793 | 4051 | 0 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | i7 | 77.750 | 41.794 | 4041 | 0 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | i12 | 77.751 | 41.794 | 4038 | 0 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | i8 | 77.750 | 41.794 | 4034 | 0 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | i13 | 77.750 | 41.795 | 4026 | 0 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | i9 | 77.751 | 41.794 | 4021 | 10 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | i19 | 77.749 | 41.795 | 4012 | 0 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | i14 | 77.750 | 41.795 | 4000 | 0 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | i15 | 77.750 | 41.796 | 3996 | 0 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | i18 | 77.749 | 41.796 | 3983 | 10 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | i17 | 77.750 | 41.797 | 3981 | 0 | BW |
| KG | BATYSH SOOK/SYEK ZAPADNIY | 781 | 20140516 | 20140829 | i16 | 77.750 | 41.796 | 3977 | 10 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20130825 | 20140827 | AK16 | 41.795 | 78.158 | 4047 | -1430 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20130825 | 20140827 | AK15 | 41.798 | 78.153 | 4000 | -1670 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20130825 | 20140827 | AK5 | 41.799 | 78.151 | 3968 | -1750 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20130825 | 20140827 | AK4 | 41.802 | 78.147 | 3921 | -1780 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20130825 | 20140827 | AK7 | 41.804 | 78.149 | 3909 | -2470 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20130825 | 20140827 | AK6 | 41.803 | 78.145 | 3890 | -2220 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20130825 | 20140827 | AK3 | 41.805 | 78.145 | 3873 | -2120 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20130825 | 20140827 | AK8 | 41.806 | 78.146 | 3853 | -2970 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20130825 | 20140827 | AK9 | 41.806 | 78.141 | 3841 | -2410 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20130825 | 20140827 | AK2 | 41.807 | 78.142 | 3823 | -2180 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20130825 | 20140827 | AK11 | 41.808 | 78.143 | 3801 | -3060 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20130825 | 20140827 | AK1 | 41.809 | 78.140 | 3769 | -3880 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 74 | 41.779 | 78.166 | 4524 | 133 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 73 | 41.780 | 78.166 | 4487 | 109 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 76 | 41.780 | 78.166 | 4460 | 138 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 72 | 41.780 | 78.165 | 4459 | 70 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 71 | 41.781 | 78.165 | 4444 | 64 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 77 | 41.780 | 78.167 | 4441 | 112 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 78 | 41.780 | 78.167 | 4439 | 39 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 79 | 41.780 | 78.168 | 4432 | 55 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 70 | 41.781 | 78.165 | 4431 | 64 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 80 | 41.780 | 78.168 | 4429 | 74 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 81 | 41.781 | 78.169 | 4425 | 118 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 82 | 41.781 | 78.169 | 4424 | 75 | BW |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 69 | 41.781 | 78.165 | 4422 | 64 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 83 | 41.781 | 78.170 | 4420 | 127 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 84 | 41.781 | 78.169 | 4417 | 41 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 85 | 41.781 | 78.169 | 4415 | 142 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 86 | 41.781 | 78.168 | 4411 | 98 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 87 | 41.781 | 78.168 | 4406 | 134 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 89 | 41.781 | 78.167 | 4403 | 87 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 88 | 41.781 | 78.167 | 4403 | 109 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 67 | 41.781 | 78.165 | 4402 | 50 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 68 | 41.781 | 78.165 | 4402 | 50 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 90 | 41.781 | 78.166 | 4398 | 96 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 91 | 41.782 | 78.165 | 4392 | 61 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 92 | 41.781 | 78.166 | 4390 | 72 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 93 | 41.781 | 78.166 | 4385 | 90 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 94 | 41.781 | 78.167 | 4384 | 79 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 66 | 41.782 | 78.165 | 4381 | 33 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 95 | 41.781 | 78.167 | 4379 | 59 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 96 | 41.782 | 78.168 | 4376 | 55 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 97 | 41.782 | 78.168 | 4372 | 90 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 98 | 41.782 | 78.169 | 4370 | 39 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 99 | 41.782 | 78.169 | 4369 | 35 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 65 | 41.783 | 78.165 | 4368 | 42 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 102 | 41.782 | 78.168 | 4357 | 79 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 104 | 41.782 | 78.167 | 4352 | 61 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 105 | 41.782 | 78.166 | 4348 | 59 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 64 | 41.783 | 78.165 | 4347 | 57 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 106 | 41.783 | 78.165 | 4344 | 59 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 107 | 41.783 | 78.165 | 4338 | 41 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 63 | 41.784 | 78.165 | 4334 | 48 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 108 | 41.783 | 78.165 | 4334 | 52 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 109 | 41.783 | 78.166 | 4332 | 46 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 110 | 41.783 | 78.167 | 4328 | 42 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 62 | 41.784 | 78.165 | 4325 | 31 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 111 | 41.783 | 78.167 | 4325 | 63 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 349 | 78.185 | 41.796 | 4325 | 70 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 348 | 78.185 | 41.796 | 4325 | 52 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 351 | 78.184 | 41.796 | 4324 | 63 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 350 | 78.184 | 41.796 | 4324 | 2 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 347 | 78.186 | 41.797 | 4324 | 54 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 112 | 41.783 | 78.168 | 4322 | 59 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 113 | 41.783 | 78.168 | 4321 | 46 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | SP4W | 41.783 | 78.167 | 4320 | 362 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 352 | 78.185 | 41.797 | 4319 | 2 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 346 | 78.186 | 41.797 | 4319 | 63 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 345 | 78.186 | 41.797 | 4319 | 90 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 61 | 41.785 | 78.166 | 4317 | 28 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 344 | 78.186 | 41.797 | 4316 | 48 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | SP2W | 41.797 | 78.185 | 4314 | 454 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 353 | 78.185 | 41.797 | 4313 | 46 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 354 | 78.185 | 41.797 | 4311 | 38 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 343 | 78.186 | 41.797 | 4311 | 57 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 355 | 78.185 | 41.797 | 4310 | 38 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 60 | 41.785 | 78.166 | 4309 | 15 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 342 | 78.186 | 41.798 | 4308 | 84 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 341 | 78.185 | 41.798 | 4308 | 46 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 356 | 78.185 | 41.798 | 4307 | 28 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 340 | 78.185 | 41.798 | 4306 | 134 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 357 | 78.185 | 41.798 | 4305 | 46 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 338 | 78.185 | 41.798 | 4301 | 54 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 120 | 41.784 | 78.169 | 4301 | 18 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 121 | 41.784 | 78.169 | 4298 | 22 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 358 | 78.184 | 41.798 | 4298 | 33 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 359 | 78.184 | 41.798 | 4295 | 29 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 122 | 41.784 | 78.169 | 4295 | 26 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 59 | 41.786 | 78.166 | 4293 | 46 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 337 | 78.185 | 41.799 | 4293 | 30 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 336 | 78.185 | 41.799 | 4292 | 37 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 360 | 78.184 | 41.799 | 4290 | 26 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 335 | 78.185 | 41.799 | 4290 | 31 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 123 | 41.783 | 78.169 | 4289 | 37 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 333 | 78.185 | 41.800 | 4289 | 32 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 361 | 78.184 | 41.799 | 4286 | 24 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 372 | 78.182 | 41.803 | 4286 | 22 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 330 | 78.185 | 41.801 | 4286 | 2 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 331 | 78.185 | 41.801 | 4285 | 1 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 373 | 78.182 | 41.803 | 4285 | 28 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 124 | 41.783 | 78.170 | 4284 | 61 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 374 | 78.182 | 41.803 | 4284 | 22 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 362 | 78.184 | 41.799 | 4283 | 19 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 125 | 41.783 | 78.170 | 4282 | 46 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 329 | 78.184 | 41.800 | 4282 | 24 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 365 | 78.184 | 41.800 | 4280 | 13 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 369 | 78.183 | 41.801 | 4280 | 18 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 375 | 78.182 | 41.802 | 4280 | 14 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 58 | 41.786 | 78.166 | 4279 | 63 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 368 | 78.183 | 41.801 | 4278 | 24 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 328 | 78.183 | 41.800 | 4278 | 17 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 366 | 78.183 | 41.800 | 4277 | 14 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 126 | 41.783 | 78.171 | 4277 | 77 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 367 | 78.183 | 41.800 | 4277 | 14 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 327 | 78.183 | 41.800 | 4275 | 12 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 376 | 78.182 | 41.801 | 4275 | 15 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 127 | 41.783 | 78.172 | 4273 | 75 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | SP1W | 41.800 | 78.183 | 4273 | 125 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 377 | 78.182 | 41.801 | 4270 | 14 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 378 | 78.182 | 41.801 | 4269 | 13 | BW |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 379 | 78.181 | 41.800 | 4267 | 13 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 371 | 78.182 | 41.802 | 4266 | 23 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 380 | 78.181 | 41.800 | 4264 | 15 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 381 | 78.181 | 41.800 | 4263 | 15 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 382 | 78.181 | 41.799 | 4261 | 13 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 383 | 78.181 | 41.799 | 4261 | 13 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 384 | 78.181 | 41.798 | 4258 | 13 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 385 | 78.181 | 41.798 | 4256 | 17 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 386 | 78.181 | 41.797 | 4256 | 18 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 387 | 78.180 | 41.797 | 4254 | 18 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 388 | 78.180 | 41.797 | 4250 | 10 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 57 | 41.786 | 78.166 | 4246 | 59 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 389 | 78.179 | 41.797 | 4244 | 13 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 390 | 78.179 | 41.797 | 4240 | 16 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 56 | 41.786 | 78.167 | 4238 | 68 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 391 | 78.178 | 41.798 | 4236 | 26 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 392 | 78.178 | 41.798 | 4231 | 15 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 393 | 78.177 | 41.798 | 4228 | 12 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 55 | 41.786 | 78.166 | 4224 | 68 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 394 | 78.177 | 41.798 | 4223 | 3 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 395 | 78.176 | 41.798 | 4219 | 2 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 396 | 78.176 | 41.798 | 4216 | 14 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 398 | 78.175 | 41.797 | 4215 | 14 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 397 | 78.176 | 41.797 | 4215 | 19 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | SP3W | 41.797 | 78.175 | 4214 | 269 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 399 | 78.175 | 41.797 | 4213 | 8 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 370 | 78.182 | 41.802 | 4212 | 16 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 457 | 78.155 | 41.784 | 4210 | 34 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 54 | 41.787 | 78.167 | 4210 | 70 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 400 | 78.175 | 41.797 | 4210 | 13 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 403 | 78.174 | 41.797 | 4209 | 11 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 454 | 78.154 | 41.784 | 4209 | 44 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 455 | 78.155 | 41.784 | 4209 | 45 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 456 | 78.155 | 41.784 | 4209 | 41 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 458 | 78.156 | 41.784 | 4209 | 35 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 401 | 78.174 | 41.797 | 4208 | 19 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 402 | 78.174 | 41.797 | 4208 | 17 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 404 | 78.174 | 41.797 | 4208 | 15 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 453 | 78.154 | 41.784 | 4208 | 37 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 459 | 78.155 | 41.784 | 4208 | 32 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 452 | 78.153 | 41.784 | 4206 | 35 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 460 | 78.155 | 41.784 | 4206 | 29 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 405 | 78.173 | 41.797 | 4205 | 13 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 461 | 78.155 | 41.784 | 4205 | 23 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 451 | 78.153 | 41.784 | 4205 | 22 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 462 | 78.154 | 41.784 | 4203 | 20 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 406 | 78.173 | 41.797 | 4201 | 12 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 450 | 78.153 | 41.785 | 4201 | 32 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 463 | 78.154 | 41.784 | 4201 | 20 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 464 | 78.154 | 41.785 | 4199 | 18 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 407 | 78.172 | 41.797 | 4198 | 17 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 449 | 78.153 | 41.785 | 4197 | 32 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 465 | 78.154 | 41.785 | 4196 | 15 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 466 | 78.155 | 41.785 | 4194 | 13 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 448 | 78.153 | 41.785 | 4193 | 15 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 53 | 41.787 | 78.166 | 4193 | 52 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 408 | 78.172 | 41.798 | 4192 | 11 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 467 | 78.154 | 41.785 | 4192 | 18 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 447 | 78.153 | 41.785 | 4191 | 19 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 468 | 78.154 | 41.786 | 4190 | 17 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 469 | 78.154 | 41.786 | 4188 | 19 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 446 | 78.153 | 41.786 | 4187 | 16 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 470 | 78.153 | 41.786 | 4185 | 17 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 409 | 78.171 | 41.798 | 4184 | 7 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 445 | 78.153 | 41.786 | 4183 | 15 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 52 | 41.787 | 78.166 | 4182 | 37 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 471 | 78.153 | 41.786 | 4181 | 17 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 444 | 78.153 | 41.786 | 4181 | 15 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 410 | 78.171 | 41.799 | 4178 | 9 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 472 | 78.153 | 41.786 | 4176 | 14 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 443 | 78.152 | 41.786 | 4175 | 24 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 411 | 78.170 | 41.798 | 4175 | 3 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | SP5W | 41.786 | 78.152 | 4175 | 205 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 473 | 78.154 | 41.787 | 4174 | 13 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 474 | 78.154 | 41.787 | 4171 | 12 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 412 | 78.170 | 41.798 | 4170 | 10 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 475 | 78.154 | 41.787 | 4168 | 19 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 413 | 78.170 | 41.798 | 4167 | 7 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 476 | 78.154 | 41.787 | 4163 | 15 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 414 | 78.169 | 41.799 | 4162 | 2 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 415 | 78.169 | 41.799 | 4159 | 11 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 416 | 78.169 | 41.798 | 4156 | 3 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 477 | 78.154 | 41.788 | 4156 | 14 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 417 | 78.169 | 41.798 | 4152 | 5 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 478 | 78.153 | 41.788 | 4150 | 13 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 419 | 78.169 | 41.797 | 4149 | 7 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 418 | 78.169 | 41.797 | 4149 | 1 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 420 | 78.169 | 41.797 | 4147 | 10 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 421 | 78.168 | 41.796 | 4144 | 1 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 479 | 78.153 | 41.788 | 4143 | 13 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 480 | 78.153 | 41.789 | 4139 | 7 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 481 | 78.153 | 41.789 | 4137 | 15 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 482 | 78.154 | 41.790 | 4128 | 17 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 483 | 78.154 | 41.790 | 4120 | 6 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 484 | 78.154 | 41.790 | 4117 | 9 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 485 | 78.155 | 41.790 | 4113 | 9 | BW |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 486 | 78.155 | 41.790 | 4111 | 10 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 487 | 78.155 | 41.790 | 4108 | 7 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 488 | 78.154 | 41.791 | 4104 | 11 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 489 | 78.154 | 41.791 | 4103 | 16 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 424 | 78.165 | 41.795 | 4088 | 2 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 423 | 78.165 | 41.795 | 4088 | 2 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 422 | 78.165 | 41.795 | 4088 | 0 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 425 | 78.165 | 41.795 | 4087 | 7 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 426 | 78.164 | 41.795 | 4085 | 8 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 427 | 78.164 | 41.795 | 4083 | 9 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 490 | 78.156 | 41.791 | 4082 | 16 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 428 | 78.163 | 41.795 | 4081 | 6 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 491 | 78.156 | 41.791 | 4080 | 13 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 429 | 78.163 | 41.795 | 4078 | 10 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 492 | 78.157 | 41.791 | 4077 | 10 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 430 | 78.162 | 41.794 | 4074 | 2 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 493 | 78.157 | 41.791 | 4074 | 17 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 494 | 78.156 | 41.791 | 4071 | 12 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 431 | 78.161 | 41.794 | 4069 | 8 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 495 | 78.157 | 41.791 | 4068 | 12 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 496 | 78.157 | 41.792 | 4066 | 13 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 432 | 78.161 | 41.794 | 4064 | 2 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 497 | 78.157 | 41.792 | 4063 | 10 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 433 | 78.160 | 41.794 | 4059 | 5 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 498 | 78.157 | 41.792 | 4059 | 6 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 499 | 78.157 | 41.792 | 4056 | 6 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 500 | 78.157 | 41.793 | 4054 | 8 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 501 | 78.156 | 41.793 | 4050 | 6 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 502 | 78.156 | 41.793 | 4048 | 10 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 503 | 78.156 | 41.793 | 4047 | 2 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140514 | 504 | 78.156 | 41.794 | 4045 | 0 | BW |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140827 | SP02 | 41.783 | 78.167 | 4320 | 200 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20139999 | 20140827 | SP01 | 41.800 | 78.185 | 4288 | 80 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20140827 | 20150809 | AK002 | 41.781 | 78.165 | 4461 | -2040 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20140827 | 20150809 | AK001 | 41.783 | 78.167 | 4332 | -2850 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20140827 | 20150809 | Aksp5 | 41.783 | 78.171 | 4278 | 220 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20140827 | 20150809 | AKsp3 | 41.795 | 78.158 | 4048 | 440 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20140827 | 20150809 | AKsp2 | 41.798 | 78.153 | 4003 | 500 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20140827 | 20150809 | AK007 | 41.799 | 78.151 | 3968 | -1860 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20140827 | 20150809 | AK006 | 41.802 | 78.147 | 3921 | -1850 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20140827 | 20150809 | AK009 | 41.804 | 78.149 | 3912 | -2210 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20140827 | 20150809 | AK008 | 41.803 | 78.145 | 3892 | -2290 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20140827 | 20150809 | AK005 | 41.805 | 78.145 | 3874 | -1510 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20140827 | 20150809 | AK011 | 41.806 | 78.146 | 3858 | -2490 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20140827 | 20150809 | AK015 | 41.806 | 78.141 | 3841 | -1300 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20140827 | 20150809 | AK004 | 41.807 | 78.142 | 3826 | -1680 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20140827 | 20150809 | AK016 | 41.808 | 78.143 | 3807 | -700 | BA |
| KG | GLACIER NO. 354 (AKSHIYRAK) | 3889 | 20140827 | 20150809 | AK003 | 41.809 | 78.141 | 3778 | -2560 | BA |
| KG | GLACIER NO. 599 (KJUNGEI ALA-TOO) | 10402 | 20140620 | 20150619 | SnowPit02 | 42.793 | 76.867 | 4031 | 575 | BA |
| KG | GLACIER NO. 599 (KJUNGEI ALA-TOO) | 10402 | 20140620 | 20150619 | SnowPit01 | 42.795 | 76.865 | 3997 | 280 | BA |
| KG | GLACIER NO. 599 (KJUNGEI ALA-TOO) | 10402 | 20140620 | 20150619 | OK07 | 42.796 | 76.854 | 3890 | -2394 | BA |
| KG | GLACIER NO. 599 (KJUNGEI ALA-TOO) | 10402 | 20140620 | 20150619 | OK08 | 42.796 | 76.855 | 3886 | -1755 | BA |
| KG | GLACIER NO. 599 (KJUNGEI ALA-TOO) | 10402 | 20140620 | 20150619 | OK06 | 42.795 | 76.854 | 3886 | -1431 | BA |
| KG | GLACIER NO. 599 (KJUNGEI ALA-TOO) | 10402 | 20140620 | 20150619 | OK05 | 42.794 | 76.854 | 3858 | -1908 | BA |
| KG | GLACIER NO. 599 (KJUNGEI ALA-TOO) | 10402 | 20140620 | 20150619 | OK04 | 42.793 | 76.853 | 3842 | -2000 | BA |
| KG | GLACIER NO. 599 (KJUNGEI ALA-TOO) | 10402 | 20140620 | 20150619 | OK02 | 42.792 | 76.852 | 3811 | -2079 | BA |
| KG | GLACIER NO. 599 (KJUNGEI ALA-TOO) | 10402 | 20140620 | 20150619 | OK03 | 42.792 | 76.852 | 3810 | -1773 | BA |
| KG | GLACIER NO. 599 (KJUNGEI ALA-TOO) | 10402 | 20140620 | 20150619 | OK01 | 42.791 | 76.849 | 3770 | -2115 | BA |
| KG | GOLUBIN | 753 | 20130723 | 20140903 | snow pit 2 | 42.448 | 74.506 | 3969 | 0 | BA |
| KG | GOLUBIN | 753 | 20130723 | 20140903 | snow pit 1 | 42.452 | 74.504 | 3940 | 0 | BA |
| KG | GOLUBIN | 753 | 20130723 | 20140903 | GOL05 | 42.470 | 74.489 | 3490 | -4914 | BA |
| KG | GOLUBIN | 753 | 20130723 | 20140903 | GOL06 | 42.471 | 74.489 | 3480 | -5040 | BA |
| KG | GOLUBIN | 753 | 20130723 | 20140903 | GOL02 | 42.472 | 74.488 | 3461 | -5211 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | 2 | 42.444 | 74.506 | 4064 | 301 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | 103 | 42.444 | 74.506 | 4054 | 780 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | 104 | 42.445 | 74.506 | 4046 | 823 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | 105 | 42.445 | 74.506 | 4032 | 1083 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | 106 | 42.446 | 74.506 | 4020 | 563 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | 107 | 42.446 | 74.506 | 4009 | 953 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | 108 | 42.447 | 74.506 | 3992 | 823 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | 109 | 42.447 | 74.506 | 3991 | 606 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | 110 | 42.447 | 74.506 | 3987 | 736 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | 111 | 42.447 | 74.506 | 3983 | 0 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | GOL14 | 42.464 | 74.494 | 3620 | -3456 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | GOL13 | 42.463 | 74.491 | 3610 | -3411 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | GOL12 | 42.464 | 74.490 | 3597 | -3456 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | GOL10 | 42.465 | 74.492 | 3594 | -3420 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | GOL03 | 42.467 | 74.489 | 3546 | -3294 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | GOL04 | 42.469 | 74.489 | 3532 | -3312 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | GOL05 | 42.470 | 74.489 | 3508 | -5112 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | GOL06 | 42.471 | 74.489 | 3503 | -5022 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | GOL07 | 42.471 | 74.489 | 3482 | -5022 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | GOL02 | 42.472 | 74.487 | 3475 | -5022 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | GOL01 | 42.472 | 74.488 | 3468 | -5022 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | GOL08 | 42.473 | 74.485 | 3434 | -5256 | BA |
| KG | GOLUBIN | 753 | 20140903 | 20150814 | GOL09 | 42.474 | 74.484 | 3412 | -5274 | BA |
| **KZ - Kazakhstan** | | | | | | | | | | |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 1 | 43.040 | 77.075 | 3774 | 171 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 11 | 43.041 | 77.075 | 3766 | 190 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 2 | 43.040 | 77.077 | 3764 | 204 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 3 | 43.040 | 77.078 | 3762 | 202 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 4 | 43.040 | 77.078 | 3760 | 230 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 12 | 43.041 | 77.076 | 3755 | 215 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 5 | 43.040 | 77.079 | 3754 | 253 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 13 | 43.041 | 77.077 | 3749 | 210 | BW |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 21 | 43.042 | 77.075 | 3747 | 213 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 14 | 43.041 | 77.078 | 3745 | 212 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 23 | 43.041 | 77.078 | 3742 | 207 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 15 | 43.041 | 77.080 | 3741 | 225 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 16 | 43.041 | 77.081 | 3741 | 201 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 24 | 43.041 | 77.079 | 3740 | 187 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 34 | 43.042 | 77.079 | 3738 | 154 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 33 | 43.042 | 77.078 | 3738 | 175 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 25 | 43.041 | 77.080 | 3737 | 218 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 32 | 43.042 | 77.077 | 3737 | 215 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 22 | 43.042 | 77.077 | 3736 | 216 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 26 | 43.041 | 77.081 | 3734 | 176 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 31 | 43.043 | 77.076 | 3734 | 222 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 43 | 43.043 | 77.079 | 3733 | 186 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 42 | 43.043 | 77.078 | 3732 | 197 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 35 | 43.042 | 77.081 | 3732 | 128 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 41 | 43.043 | 77.077 | 3731 | 198 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 36 | 43.042 | 77.082 | 3729 | 160 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 59 | 43.044 | 77.086 | 3728 | 263 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 44 | 43.043 | 77.081 | 3722 | 205 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 51 | 43.044 | 77.076 | 3721 | 213 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 45 | 43.042 | 77.082 | 3719 | 168 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 52 | 43.044 | 77.077 | 3718 | 226 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 53 | 43.044 | 77.079 | 3716 | 180 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 54 | 43.044 | 77.079 | 3710 | 192 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 56 | 43.044 | 77.082 | 3707 | 208 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 58 | 43.044 | 77.084 | 3706 | 210 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 55 | 43.044 | 77.081 | 3702 | 218 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 57 | 43.044 | 77.083 | 3701 | 158 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 61 | 43.046 | 77.077 | 3697 | 285 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 62 | 43.046 | 77.078 | 3694 | 209 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 69 | 43.045 | 77.084 | 3694 | 236 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 63 | 43.046 | 77.079 | 3692 | 210 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 710 | 43.046 | 77.084 | 3688 | 120 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 68 | 43.045 | 77.084 | 3687 | 151 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 65 | 43.046 | 77.082 | 3686 | 176 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 64 | 43.045 | 77.081 | 3685 | 198 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 67 | 43.045 | 77.083 | 3682 | 218 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 71 | 43.047 | 77.078 | 3681 | 219 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 72 | 43.047 | 77.079 | 3679 | 173 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 79 | 43.046 | 77.084 | 3678 | 196 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 78 | 43.046 | 77.083 | 3677 | 169 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 73 | 43.047 | 77.080 | 3675 | 156 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 76 | 43.047 | 77.082 | 3674 | 99 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 75 | 43.047 | 77.081 | 3674 | 190 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 77 | 43.046 | 77.083 | 3673 | 190 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 74 | 43.047 | 77.081 | 3671 | 173 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 87 | 43.047 | 77.082 | 3669 | 94 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 86 | 43.047 | 77.082 | 3668 | 181 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 81 | 43.048 | 77.079 | 3666 | 196 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 88 | 43.047 | 77.083 | 3665 | 246 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 85 | 43.048 | 77.081 | 3664 | 148 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 82 | 43.048 | 77.079 | 3663 | 165 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 83 | 43.048 | 77.080 | 3662 | 166 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 84 | 43.048 | 77.081 | 3660 | 163 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 91 | 43.049 | 77.079 | 3651 | 378 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 96 | 43.048 | 77.083 | 3650 | 102 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 94 | 43.049 | 77.081 | 3648 | 345 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 95 | 43.048 | 77.083 | 3648 | 147 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 92 | 43.049 | 77.080 | 3647 | 390 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 93 | 43.049 | 77.081 | 3646 | 377 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 101 | 43.049 | 77.079 | 3644 | 422 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 103 | 43.049 | 77.080 | 3640 | 220 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 105 | 43.049 | 77.082 | 3640 | 251 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 104 | 43.049 | 77.081 | 3640 | 310 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 102 | 43.049 | 77.080 | 3639 | 306 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 107 | 43.049 | 77.084 | 3635 | 225 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 106 | 43.049 | 77.083 | 3634 | 232 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 111 | 43.050 | 77.079 | 3618 | 407 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 115 | 43.050 | 77.083 | 3617 | 330 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 112 | 43.050 | 77.080 | 3616 | 475 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 117 | 43.050 | 77.084 | 3616 | 337 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 114 | 43.050 | 77.082 | 3614 | 320 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 113 | 43.050 | 77.081 | 3614 | 352 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 116 | 43.050 | 77.083 | 3613 | 317 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 124 | 43.051 | 77.082 | 3595 | 311 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 125 | 43.051 | 77.083 | 3593 | 295 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 121 | 43.051 | 77.079 | 3592 | 647 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 123 | 43.051 | 77.082 | 3592 | 341 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 122 | 43.051 | 77.081 | 3588 | 414 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 131 | 43.052 | 77.079 | 3581 | 411 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 134 | 43.052 | 77.082 | 3580 | 224 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 132 | 43.052 | 77.080 | 3580 | 312 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 133 | 43.052 | 77.081 | 3580 | 260 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 135 | 43.052 | 77.083 | 3578 | 232 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 143 | 43.052 | 77.081 | 3573 | 196 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 142 | 43.052 | 77.081 | 3572 | 258 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 141 | 43.052 | 77.079 | 3572 | 450 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 136 | 43.052 | 77.083 | 3572 | 406 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 144 | 43.052 | 77.082 | 3568 | 288 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 137 | 43.052 | 77.084 | 3566 | 243 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 145 | 43.052 | 77.083 | 3563 | 220 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 152 | 43.053 | 77.081 | 3559 | 273 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 146 | 43.052 | 77.084 | 3557 | 324 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 151 | 43.053 | 77.080 | 3557 | 431 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 147 | 43.052 | 77.084 | 3552 | 276 | BW |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 153 | 43.053 | 77.081 | 3551 | 285 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 154 | 43.053 | 77.082 | 3549 | 283 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 155 | 43.053 | 77.083 | 3547 | 183 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 156 | 43.053 | 77.083 | 3544 | 190 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 157 | 43.053 | 77.084 | 3541 | 255 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 158 | 43.053 | 77.085 | 3535 | 340 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 161 | 43.055 | 77.081 | 3525 | 397 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 163 | 43.055 | 77.083 | 3517 | 328 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 162 | 43.055 | 77.082 | 3517 | 354 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 164 | 43.055 | 77.083 | 3516 | 204 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140430 | 165 | 43.054 | 77.084 | 3514 | 133 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 1 | 43.040 | 77.075 | 3774 | -1620 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 11 | 43.041 | 77.075 | 3766 | -1764 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 2 | 43.040 | 77.077 | 3764 | -1539 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 3 | 43.040 | 77.078 | 3762 | -1476 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 4 | 43.040 | 77.078 | 3760 | -1215 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 12 | 43.041 | 77.076 | 3755 | -1584 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 5 | 43.040 | 77.079 | 3754 | -990 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 13 | 43.041 | 77.077 | 3749 | -1701 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 21 | 43.042 | 77.075 | 3747 | -1656 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 14 | 43.041 | 77.078 | 3745 | -1647 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 23 | 43.041 | 77.078 | 3742 | -1638 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 16 | 43.041 | 77.081 | 3741 | -1710 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 15 | 43.041 | 77.080 | 3741 | -1737 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 24 | 43.041 | 77.079 | 3740 | -1935 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 34 | 43.042 | 77.079 | 3738 | -2106 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 33 | 43.042 | 77.078 | 3738 | -1944 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 32 | 43.042 | 77.077 | 3737 | -1746 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 25 | 43.041 | 77.080 | 3737 | -2115 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 22 | 43.042 | 77.077 | 3736 | -1512 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 26 | 43.041 | 77.081 | 3734 | -2079 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 31 | 43.043 | 77.076 | 3734 | -1701 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 43 | 43.043 | 77.079 | 3733 | -1539 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 42 | 43.043 | 77.078 | 3732 | -1665 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 35 | 43.042 | 77.081 | 3732 | -2142 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 41 | 43.043 | 77.077 | 3731 | -1728 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 36 | 43.042 | 77.082 | 3729 | -1917 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 59 | 43.044 | 77.086 | 3728 | -1854 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 44 | 43.043 | 77.081 | 3722 | -1341 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 51 | 43.044 | 77.076 | 3721 | -1989 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 45 | 43.042 | 77.082 | 3719 | -1665 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 52 | 43.044 | 77.077 | 3718 | -2574 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 53 | 43.044 | 77.079 | 3716 | -1773 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 54 | 43.044 | 77.079 | 3710 | -1872 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 56 | 43.044 | 77.082 | 3707 | -1809 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 58 | 43.044 | 77.084 | 3706 | -1989 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 55 | 43.044 | 77.081 | 3702 | -1755 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 57 | 43.044 | 77.083 | 3701 | -2340 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 61 | 43.046 | 77.077 | 3697 | -1944 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 62 | 43.046 | 77.078 | 3694 | -1908 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 69 | 43.045 | 77.084 | 3694 | -1890 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 63 | 43.046 | 77.079 | 3692 | -2079 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 710 | 43.046 | 77.084 | 3688 | -2088 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 68 | 43.045 | 77.084 | 3687 | -1809 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 65 | 43.046 | 77.082 | 3686 | -1665 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 64 | 43.045 | 77.081 | 3685 | -2106 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 67 | 43.045 | 77.083 | 3682 | -1935 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 71 | 43.047 | 77.078 | 3681 | -2187 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 72 | 43.047 | 77.079 | 3679 | -1881 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 79 | 43.046 | 77.084 | 3678 | -1926 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 78 | 43.046 | 77.083 | 3677 | -1746 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 73 | 43.047 | 77.080 | 3675 | -1773 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 76 | 43.047 | 77.082 | 3674 | -2097 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 75 | 43.047 | 77.081 | 3674 | -1764 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 77 | 43.046 | 77.083 | 3673 | -1926 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 74 | 43.047 | 77.081 | 3671 | -1854 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 87 | 43.047 | 77.082 | 3669 | -2016 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 86 | 43.047 | 77.082 | 3668 | -1836 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 81 | 43.048 | 77.079 | 3666 | -2313 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 88 | 43.047 | 77.083 | 3665 | -2142 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 85 | 43.048 | 77.081 | 3664 | -1656 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 82 | 43.048 | 77.079 | 3663 | -2151 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 83 | 43.048 | 77.080 | 3662 | -2043 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 84 | 43.048 | 77.081 | 3660 | -1926 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 91 | 43.049 | 77.079 | 3651 | -2178 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 96 | 43.048 | 77.083 | 3650 | -2151 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 95 | 43.048 | 77.083 | 3648 | -1755 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 94 | 43.049 | 77.081 | 3648 | -1746 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 92 | 43.049 | 77.080 | 3647 | -2178 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 93 | 43.049 | 77.081 | 3646 | -1782 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 101 | 43.049 | 77.079 | 3644 | -2263 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 104 | 43.049 | 77.081 | 3640 | -2007 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 103 | 43.049 | 77.080 | 3640 | -2061 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 105 | 43.049 | 77.082 | 3640 | -1557 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 102 | 43.049 | 77.080 | 3639 | -2394 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 107 | 43.049 | 77.084 | 3635 | -1971 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 106 | 43.049 | 77.083 | 3634 | -1773 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 111 | 43.050 | 77.079 | 3618 | -1494 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 115 | 43.050 | 77.083 | 3617 | -1953 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 117 | 43.050 | 77.084 | 3616 | -2538 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 112 | 43.050 | 77.080 | 3616 | -1539 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 113 | 43.050 | 77.081 | 3614 | -1755 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 114 | 43.050 | 77.082 | 3614 | -1989 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 116 | 43.050 | 77.083 | 3613 | -2538 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 124 | 43.051 | 77.082 | 3595 | -2106 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 125 | 43.051 | 77.083 | 3593 | -2655 | BA |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 121 | 43.051 | 77.079 | 3592 | -1386 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 123 | 43.051 | 77.082 | 3592 | -1989 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 122 | 43.051 | 77.081 | 3588 | -1827 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 131 | 43.052 | 77.079 | 3581 | -1998 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 134 | 43.052 | 77.082 | 3580 | -2142 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 133 | 43.052 | 77.081 | 3580 | -2214 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 132 | 43.052 | 77.080 | 3580 | -2394 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 135 | 43.052 | 77.083 | 3578 | -2061 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 143 | 43.052 | 77.081 | 3573 | -2556 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 142 | 43.052 | 77.081 | 3572 | -2565 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 141 | 43.052 | 77.079 | 3572 | -2394 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 136 | 43.052 | 77.083 | 3572 | -2133 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 144 | 43.052 | 77.082 | 3568 | -1998 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 137 | 43.052 | 77.084 | 3566 | -2592 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 145 | 43.052 | 77.083 | 3563 | -2124 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 152 | 43.053 | 77.081 | 3559 | -2457 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 151 | 43.053 | 77.080 | 3557 | -2367 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 146 | 43.052 | 77.084 | 3557 | -2439 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 147 | 43.052 | 77.084 | 3552 | -2646 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 153 | 43.053 | 77.081 | 3551 | -2232 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 154 | 43.053 | 77.082 | 3549 | -2232 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 155 | 43.053 | 77.083 | 3547 | -2385 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 156 | 43.053 | 77.083 | 3544 | -2556 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 157 | 43.053 | 77.084 | 3541 | -3087 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 158 | 43.053 | 77.085 | 3535 | -2655 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 161 | 43.055 | 77.081 | 3525 | -2637 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 162 | 43.055 | 77.082 | 3517 | -2502 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 163 | 43.055 | 77.083 | 3517 | -2565 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 164 | 43.055 | 77.083 | 3516 | -2709 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20131010 | 20140919 | 165 | 43.054 | 77.084 | 3514 | -3123 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 1 | 43.040 | 77.075 | 3774 | -1791 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 11 | 43.041 | 77.075 | 3766 | -1954 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 2 | 43.040 | 77.077 | 3764 | -1743 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 3 | 43.040 | 77.078 | 3762 | -1678 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 4 | 43.040 | 77.078 | 3760 | -1445 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 12 | 43.041 | 77.076 | 3755 | -1799 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 5 | 43.040 | 77.079 | 3754 | -1243 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 13 | 43.041 | 77.077 | 3749 | -1911 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 21 | 43.042 | 77.075 | 3747 | -1869 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 14 | 43.041 | 77.078 | 3745 | -1859 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 23 | 43.041 | 77.078 | 3742 | -1845 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 15 | 43.041 | 77.080 | 3741 | -1962 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 16 | 43.041 | 77.081 | 3741 | -1911 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 24 | 43.041 | 77.079 | 3740 | -2122 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 33 | 43.042 | 77.078 | 3738 | -2119 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 34 | 43.042 | 77.079 | 3738 | -2260 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 25 | 43.041 | 77.080 | 3737 | -2333 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 32 | 43.042 | 77.077 | 3737 | -1961 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 22 | 43.042 | 77.077 | 3736 | -1728 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 26 | 43.041 | 77.081 | 3734 | -2255 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 31 | 43.043 | 77.076 | 3734 | -1923 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 43 | 43.043 | 77.079 | 3733 | -1725 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 35 | 43.042 | 77.081 | 3732 | -2270 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 42 | 43.043 | 77.078 | 3732 | -1862 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 41 | 43.043 | 77.077 | 3731 | -1926 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 36 | 43.042 | 77.082 | 3729 | -2077 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 59 | 43.044 | 77.086 | 3728 | -2117 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 44 | 43.043 | 77.081 | 3722 | -1546 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 51 | 43.044 | 77.076 | 3721 | -2202 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 45 | 43.042 | 77.082 | 3719 | -1833 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 52 | 43.044 | 77.077 | 3718 | -2800 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 53 | 43.044 | 77.079 | 3716 | -1953 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 54 | 43.044 | 77.079 | 3710 | -2064 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 56 | 43.044 | 77.082 | 3707 | -2017 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 58 | 43.044 | 77.084 | 3706 | -2199 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 55 | 43.044 | 77.081 | 3702 | -1973 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 57 | 43.044 | 77.083 | 3701 | -2498 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 61 | 43.046 | 77.077 | 3697 | -2229 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 69 | 43.045 | 77.084 | 3694 | -2126 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 62 | 43.046 | 77.078 | 3694 | -2117 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 63 | 43.046 | 77.079 | 3692 | -2289 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 710 | 43.046 | 77.084 | 3688 | -2208 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 68 | 43.045 | 77.084 | 3687 | -1960 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 65 | 43.046 | 77.082 | 3686 | -1841 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 64 | 43.045 | 77.081 | 3685 | -2304 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 67 | 43.045 | 77.083 | 3682 | -2153 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 71 | 43.047 | 77.078 | 3681 | -2406 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 72 | 43.047 | 77.079 | 3679 | -2054 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 79 | 43.046 | 77.084 | 3678 | -2122 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 78 | 43.046 | 77.083 | 3677 | -1915 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 73 | 43.047 | 77.080 | 3675 | -1929 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 75 | 43.047 | 77.081 | 3674 | -1954 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 76 | 43.047 | 77.082 | 3674 | -2196 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 77 | 43.046 | 77.083 | 3673 | -2116 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 74 | 43.047 | 77.081 | 3671 | -2027 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 87 | 43.047 | 77.082 | 3669 | -2110 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 86 | 43.047 | 77.082 | 3668 | -2017 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 81 | 43.048 | 77.079 | 3666 | -2509 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 88 | 43.047 | 77.083 | 3665 | -2388 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 85 | 43.048 | 77.081 | 3664 | -1804 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 82 | 43.048 | 77.079 | 3663 | -2316 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 83 | 43.048 | 77.080 | 3662 | -2209 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 84 | 43.048 | 77.081 | 3660 | -2089 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 91 | 43.049 | 77.079 | 3651 | -2556 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 96 | 43.048 | 77.083 | 3650 | -2253 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 95 | 43.048 | 77.083 | 3648 | -1902 | BS |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 94 | 43.049 | 77.081 | 3648 | -2091 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 92 | 43.049 | 77.080 | 3647 | -2568 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 93 | 43.049 | 77.081 | 3646 | -2159 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 101 | 43.049 | 77.079 | 3644 | -2685 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 105 | 43.049 | 77.082 | 3640 | -1808 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 104 | 43.049 | 77.081 | 3640 | -2317 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 103 | 43.049 | 77.080 | 3640 | -2281 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 102 | 43.049 | 77.080 | 3639 | -2700 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 107 | 43.049 | 77.084 | 3635 | -2196 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 106 | 43.049 | 77.083 | 3634 | -2005 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 111 | 43.050 | 77.079 | 3618 | -1901 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 115 | 43.050 | 77.083 | 3617 | -2283 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 117 | 43.050 | 77.084 | 3616 | -2875 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 112 | 43.050 | 77.080 | 3616 | -2014 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 114 | 43.050 | 77.082 | 3614 | -2309 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 113 | 43.050 | 77.081 | 3614 | -2107 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 116 | 43.050 | 77.083 | 3613 | -2855 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 124 | 43.051 | 77.082 | 3595 | -2417 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 125 | 43.051 | 77.083 | 3593 | -2950 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 123 | 43.051 | 77.082 | 3592 | -2330 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 121 | 43.051 | 77.079 | 3592 | -2033 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 122 | 43.051 | 77.081 | 3588 | -2241 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 131 | 43.052 | 77.079 | 3581 | -2409 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 132 | 43.052 | 77.080 | 3580 | -2706 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 133 | 43.052 | 77.081 | 3580 | -2474 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 134 | 43.052 | 77.082 | 3580 | -2366 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 135 | 43.052 | 77.083 | 3578 | -2293 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 143 | 43.052 | 77.081 | 3573 | -2752 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 142 | 43.052 | 77.081 | 3572 | -2823 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 141 | 43.052 | 77.079 | 3572 | -2844 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 136 | 43.052 | 77.083 | 3572 | -2539 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 144 | 43.052 | 77.082 | 3568 | -2286 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 137 | 43.052 | 77.084 | 3566 | -2835 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 145 | 43.052 | 77.083 | 3563 | -2344 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 152 | 43.053 | 77.081 | 3559 | -2730 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 146 | 43.052 | 77.084 | 3557 | -2763 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 151 | 43.053 | 77.080 | 3557 | -2798 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 147 | 43.052 | 77.084 | 3552 | -2922 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 153 | 43.053 | 77.081 | 3551 | -2517 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 154 | 43.053 | 77.082 | 3549 | -2515 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 155 | 43.053 | 77.083 | 3547 | -2568 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 156 | 43.053 | 77.083 | 3544 | -2746 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 157 | 43.053 | 77.084 | 3541 | -3342 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 158 | 43.053 | 77.085 | 3535 | -2995 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 161 | 43.055 | 77.081 | 3525 | -3034 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 162 | 43.055 | 77.082 | 3517 | -2856 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 163 | 43.055 | 77.083 | 3517 | -2893 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 164 | 43.055 | 77.083 | 3516 | -2913 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140430 | 20140919 | 165 | 43.054 | 77.084 | 3514 | -3256 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 1 | 77.075 | 43.040 | 3773 | 747 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 11 | 77.075 | 43.041 | 3764 | 713 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 2 | 77.077 | 43.040 | 3762 | 803 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 3 | 77.078 | 43.040 | 3761 | 783 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 4 | 77.078 | 43.040 | 3758 | 798 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 12 | 77.076 | 43.041 | 3754 | 750 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 5 | 77.079 | 43.040 | 3752 | 722 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 13 | 77.077 | 43.041 | 3748 | 740 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 14 | 77.078 | 43.041 | 3745 | 740 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 21 | 77.075 | 43.042 | 3745 | 779 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 23 | 77.078 | 43.041 | 3741 | 708 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 24 | 77.079 | 43.041 | 3740 | 653 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 16 | 77.081 | 43.041 | 3740 | 653 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 15 | 77.080 | 43.041 | 3740 | 680 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 33 | 77.078 | 43.042 | 3737 | 715 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 25 | 77.080 | 43.041 | 3736 | 788 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 32 | 77.077 | 43.042 | 3736 | 737 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 34 | 77.079 | 43.042 | 3736 | 738 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 22 | 77.077 | 43.042 | 3735 | 698 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 31 | 77.076 | 43.043 | 3733 | 741 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 26 | 77.081 | 43.041 | 3733 | 659 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 43 | 77.079 | 43.043 | 3731 | 640 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 42 | 77.078 | 43.043 | 3730 | 783 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 35 | 77.081 | 43.042 | 3730 | 581 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 41 | 77.077 | 43.043 | 3729 | 658 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 36 | 77.082 | 43.042 | 3727 | 677 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 59 | 77.086 | 43.044 | 3726 | 659 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 51 | 77.076 | 43.044 | 3720 | 745 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 44 | 77.081 | 43.043 | 3720 | 657 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 45 | 77.082 | 43.043 | 3718 | 694 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 52 | 77.077 | 43.044 | 3716 | 933 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 53 | 77.079 | 43.044 | 3714 | 667 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 54 | 77.079 | 43.044 | 3708 | 658 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 56 | 77.082 | 43.044 | 3705 | 638 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 58 | 77.084 | 43.044 | 3705 | 718 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 55 | 77.081 | 43.044 | 3700 | 770 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 57 | 77.083 | 43.044 | 3699 | 587 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 61 | 77.077 | 43.046 | 3695 | 747 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 69 | 77.084 | 43.045 | 3693 | 790 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 62 | 77.078 | 43.046 | 3692 | 685 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 63 | 77.079 | 43.046 | 3690 | 670 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 80 | 77.084 | 43.046 | 3687 | 604 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 68 | 77.084 | 43.045 | 3685 | 552 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 65 | 77.082 | 43.046 | 3684 | 696 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 64 | 77.081 | 43.046 | 3683 | 746 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 67 | 77.083 | 43.046 | 3681 | 753 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 71 | 77.078 | 43.047 | 3680 | 683 | BW |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 79 | 77.084 | 43.046 | 3677 | 785 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 72 | 77.079 | 43.047 | 3677 | 681 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 78 | 77.083 | 43.046 | 3675 | 629 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 73 | 77.080 | 43.047 | 3673 | 672 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 75 | 77.081 | 43.047 | 3672 | 686 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 76 | 77.082 | 43.047 | 3672 | 586 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 77 | 77.083 | 43.047 | 3671 | 691 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 74 | 77.081 | 43.047 | 3669 | 676 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 86 | 77.082 | 43.048 | 3666 | 389 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 87 | 77.082 | 43.047 | 3666 | 257 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 81 | 77.079 | 43.048 | 3664 | 776 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 88 | 77.083 | 43.047 | 3663 | 453 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 85 | 77.081 | 43.048 | 3662 | 641 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 82 | 77.079 | 43.048 | 3661 | 750 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 83 | 77.080 | 43.048 | 3659 | 696 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 84 | 77.081 | 43.048 | 3658 | 718 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 91 | 77.079 | 43.049 | 3649 | 597 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 96 | 77.083 | 43.048 | 3648 | 332 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 94 | 77.081 | 43.049 | 3645 | 658 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 92 | 77.080 | 43.049 | 3645 | 632 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 95 | 77.083 | 43.048 | 3645 | 391 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 93 | 77.081 | 43.049 | 3644 | 687 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 101 | 77.079 | 43.049 | 3642 | 760 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 104 | 77.081 | 43.049 | 3638 | 554 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 102 | 77.080 | 43.049 | 3637 | 580 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 103 | 77.080 | 43.049 | 3637 | 399 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 105 | 77.082 | 43.049 | 3637 | 521 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 107 | 77.084 | 43.049 | 3633 | 751 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 106 | 77.083 | 43.049 | 3631 | 408 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 111 | 77.079 | 43.050 | 3616 | 650 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 115 | 77.083 | 43.050 | 3615 | 363 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 117 | 77.084 | 43.050 | 3614 | 424 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 112 | 77.080 | 43.050 | 3613 | 732 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 114 | 77.082 | 43.050 | 3612 | 416 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 113 | 77.081 | 43.050 | 3611 | 662 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 116 | 77.083 | 43.050 | 3610 | 488 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 124 | 77.082 | 43.051 | 3593 | 667 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 121 | 77.079 | 43.051 | 3590 | 827 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 123 | 77.082 | 43.051 | 3590 | 593 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 125 | 77.083 | 43.051 | 3590 | 826 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 122 | 77.081 | 43.051 | 3586 | 566 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 131 | 77.079 | 43.052 | 3580 | 758 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 134 | 77.082 | 43.052 | 3578 | 584 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 133 | 77.081 | 43.052 | 3578 | 533 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 132 | 77.080 | 43.052 | 3578 | 675 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 135 | 77.083 | 43.052 | 3575 | 596 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 143 | 77.081 | 43.052 | 3571 | 516 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 141 | 77.079 | 43.052 | 3570 | 751 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 142 | 77.081 | 43.052 | 3570 | 582 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 136 | 77.083 | 43.052 | 3569 | 594 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 144 | 77.082 | 43.052 | 3565 | 585 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 137 | 77.084 | 43.052 | 3563 | 608 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 145 | 77.083 | 43.052 | 3560 | 506 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 152 | 77.081 | 43.053 | 3557 | 611 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 151 | 77.080 | 43.053 | 3555 | 829 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 146 | 77.084 | 43.052 | 3554 | 582 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 147 | 77.084 | 43.052 | 3550 | 585 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 153 | 77.081 | 43.053 | 3549 | 683 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 154 | 77.082 | 43.053 | 3546 | 604 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 155 | 77.083 | 43.053 | 3544 | 537 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 156 | 77.084 | 43.053 | 3541 | 502 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 157 | 77.084 | 43.053 | 3538 | 540 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 161 | 77.081 | 43.055 | 3523 | 771 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 162 | 77.082 | 43.055 | 3515 | 669 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 163 | 77.083 | 43.055 | 3515 | 642 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 164 | 77.083 | 43.055 | 3513 | 569 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150602 | 165 | 77.084 | 43.054 | 3511 | 415 | BW |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 1 | 77.075 | 43.040 | 3773 | -1206 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 11 | 77.075 | 43.041 | 3764 | -1116 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 2 | 77.077 | 43.040 | 3762 | -777 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 3 | 77.078 | 43.040 | 3761 | -1080 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 4 | 77.078 | 43.040 | 3758 | -711 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 12 | 77.076 | 43.041 | 3754 | -1323 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 5 | 77.079 | 43.040 | 3752 | -1341 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 13 | 77.077 | 43.041 | 3748 | -1062 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 21 | 77.075 | 43.042 | 3745 | -1080 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 14 | 77.078 | 43.041 | 3745 | -1251 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 23 | 77.078 | 43.041 | 3741 | -1206 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 24 | 77.079 | 43.041 | 3740 | -1494 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 16 | 77.081 | 43.041 | 3740 | -1404 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 15 | 77.080 | 43.041 | 3740 | -1305 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 33 | 77.078 | 43.042 | 3737 | -1215 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 34 | 77.079 | 43.042 | 3736 | -1413 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 25 | 77.080 | 43.041 | 3736 | -1134 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 32 | 77.077 | 43.042 | 3736 | -1278 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 22 | 77.077 | 43.042 | 3735 | -1206 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 26 | 77.081 | 43.041 | 3733 | -1620 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 31 | 77.076 | 43.043 | 3733 | -1188 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 43 | 77.079 | 43.043 | 3731 | -1179 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 35 | 77.081 | 43.042 | 3730 | -1620 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 42 | 77.078 | 43.043 | 3730 | -1413 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 41 | 77.077 | 43.043 | 3729 | -1260 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 36 | 77.082 | 43.042 | 3727 | -1539 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 59 | 77.086 | 43.044 | 3726 | -1323 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 51 | 77.076 | 43.044 | 3720 | -1359 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 44 | 77.081 | 43.043 | 3720 | -1197 | BA |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 45 | 77.082 | 43.043 | 3718 | -1224 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 52 | 77.077 | 43.044 | 3716 | -1008 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 53 | 77.079 | 43.044 | 3714 | -1305 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 54 | 77.079 | 43.044 | 3708 | -1404 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 58 | 77.084 | 43.044 | 3705 | -1296 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 56 | 77.082 | 43.044 | 3705 | -1611 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 55 | 77.081 | 43.044 | 3700 | -1494 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 57 | 77.083 | 43.044 | 3699 | -1656 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 61 | 77.077 | 43.046 | 3695 | -1530 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 69 | 77.084 | 43.045 | 3693 | -1422 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 62 | 77.078 | 43.046 | 3692 | -1539 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 63 | 77.079 | 43.046 | 3690 | -1422 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 80 | 77.084 | 43.046 | 3687 | -1764 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 68 | 77.084 | 43.045 | 3685 | -1422 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 65 | 77.082 | 43.046 | 3684 | -1224 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 64 | 77.081 | 43.046 | 3683 | -2016 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 67 | 77.083 | 43.046 | 3681 | -1386 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 71 | 77.078 | 43.047 | 3680 | -1386 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 79 | 77.084 | 43.046 | 3677 | -1287 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 72 | 77.079 | 43.047 | 3677 | -1539 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 78 | 77.083 | 43.046 | 3675 | -1512 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 73 | 77.080 | 43.047 | 3673 | -1476 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 76 | 77.082 | 43.047 | 3672 | -1476 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 75 | 77.081 | 43.047 | 3672 | -1593 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 77 | 77.083 | 43.047 | 3671 | -1782 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 74 | 77.081 | 43.047 | 3669 | -1620 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 86 | 77.082 | 43.048 | 3666 | -1944 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 87 | 77.082 | 43.047 | 3666 | -2007 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 81 | 77.079 | 43.048 | 3664 | -1521 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 88 | 77.083 | 43.047 | 3663 | -1710 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 85 | 77.081 | 43.048 | 3662 | -1287 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 82 | 77.079 | 43.048 | 3661 | -1548 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 83 | 77.080 | 43.048 | 3659 | -1449 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 84 | 77.081 | 43.048 | 3658 | -1368 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 91 | 77.079 | 43.049 | 3649 | -1584 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 96 | 77.083 | 43.048 | 3648 | -1746 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 95 | 77.083 | 43.048 | 3645 | -1449 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 94 | 77.081 | 43.049 | 3645 | -1332 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 92 | 77.080 | 43.049 | 3645 | -1404 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 93 | 77.081 | 43.049 | 3644 | -1359 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 101 | 77.079 | 43.049 | 3642 | -1314 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 104 | 77.081 | 43.049 | 3638 | -1242 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 103 | 77.080 | 43.049 | 3637 | -1845 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 105 | 77.082 | 43.049 | 3637 | -1458 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 102 | 77.080 | 43.049 | 3637 | -1647 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 107 | 77.084 | 43.049 | 3633 | -1206 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 106 | 77.083 | 43.049 | 3631 | -1692 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 111 | 77.079 | 43.050 | 3616 | -1530 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 115 | 77.083 | 43.050 | 3615 | -1854 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 117 | 77.084 | 43.050 | 3614 | -2097 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 112 | 77.080 | 43.050 | 3613 | -1224 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 114 | 77.082 | 43.050 | 3612 | -1755 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 113 | 77.081 | 43.050 | 3611 | -1359 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 116 | 77.083 | 43.050 | 3610 | -1998 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 124 | 77.082 | 43.051 | 3593 | -1737 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 121 | 77.079 | 43.051 | 3590 | -1053 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 125 | 77.083 | 43.051 | 3590 | -1863 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 123 | 77.082 | 43.051 | 3590 | -1746 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 122 | 77.081 | 43.051 | 3586 | -1620 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 131 | 77.079 | 43.052 | 3580 | -1809 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 133 | 77.081 | 43.052 | 3578 | -2070 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 132 | 77.080 | 43.052 | 3578 | -1818 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 134 | 77.082 | 43.052 | 3578 | -1863 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 135 | 77.083 | 43.052 | 3575 | -1845 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 143 | 77.081 | 43.052 | 3571 | -2178 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 142 | 77.081 | 43.052 | 3570 | -2250 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 141 | 77.079 | 43.052 | 3570 | -1782 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 136 | 77.083 | 43.052 | 3569 | -2151 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 144 | 77.082 | 43.052 | 3565 | -1746 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 137 | 77.084 | 43.052 | 3563 | -1935 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 145 | 77.083 | 43.052 | 3560 | -2025 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 152 | 77.081 | 43.053 | 3557 | -2070 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 151 | 77.080 | 43.053 | 3555 | -1503 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 146 | 77.084 | 43.052 | 3554 | -2421 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 147 | 77.084 | 43.052 | 3550 | -2070 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 153 | 77.081 | 43.053 | 3549 | -1602 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 154 | 77.082 | 43.053 | 3546 | -2196 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 155 | 77.083 | 43.053 | 3544 | -1953 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 156 | 77.084 | 43.053 | 3541 | -2250 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 157 | 77.084 | 43.053 | 3538 | -2367 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 161 | 77.081 | 43.055 | 3523 | -2043 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 163 | 77.083 | 43.055 | 3515 | -2241 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 162 | 77.082 | 43.055 | 3515 | -2043 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 164 | 77.083 | 43.055 | 3513 | -2394 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20140920 | 20150919 | 165 | 77.084 | 43.054 | 3511 | -2043 | BA |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 1 | 77.075 | 43.040 | 3773 | -1953 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 11 | 77.075 | 43.041 | 3764 | -1829 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 2 | 77.077 | 43.040 | 3762 | -1580 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 3 | 77.078 | 43.040 | 3761 | -1863 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 4 | 77.078 | 43.040 | 3758 | -1509 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 12 | 77.076 | 43.041 | 3754 | -2073 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 5 | 77.079 | 43.040 | 3752 | -2063 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 13 | 77.077 | 43.041 | 3748 | -1802 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 14 | 77.078 | 43.041 | 3745 | -1991 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 21 | 77.075 | 43.042 | 3745 | -1859 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 23 | 77.078 | 43.041 | 3741 | -1914 | BS |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 15 | 77.080 | 43.041 | 3740 | -1985 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 24 | 77.079 | 43.041 | 3740 | -2147 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 16 | 77.081 | 43.041 | 3740 | -2057 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 33 | 77.078 | 43.042 | 3737 | -1930 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 25 | 77.080 | 43.041 | 3736 | -1922 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 32 | 77.077 | 43.042 | 3736 | -2015 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 34 | 77.079 | 43.042 | 3736 | -2151 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 22 | 77.077 | 43.042 | 3735 | -1904 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 26 | 77.081 | 43.041 | 3733 | -2279 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 31 | 77.076 | 43.043 | 3733 | -1929 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 43 | 77.079 | 43.043 | 3731 | -1819 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 42 | 77.078 | 43.043 | 3730 | -2196 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 35 | 77.081 | 43.042 | 3730 | -2201 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 41 | 77.077 | 43.043 | 3729 | -1918 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 36 | 77.082 | 43.042 | 3727 | -2216 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 59 | 77.086 | 43.044 | 3726 | -1982 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 51 | 77.076 | 43.044 | 3720 | -2104 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 44 | 77.081 | 43.043 | 3720 | -1854 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 45 | 77.082 | 43.043 | 3718 | -1918 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 52 | 77.077 | 43.044 | 3716 | -1941 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 53 | 77.079 | 43.044 | 3714 | -1972 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 54 | 77.079 | 43.044 | 3708 | -2062 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 58 | 77.084 | 43.044 | 3705 | -2014 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 56 | 77.082 | 43.044 | 3705 | -2249 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 55 | 77.081 | 43.044 | 3700 | -2264 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 57 | 77.083 | 43.044 | 3699 | -2243 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 61 | 77.077 | 43.046 | 3695 | -2277 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 69 | 77.084 | 43.045 | 3693 | -2212 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 62 | 77.078 | 43.046 | 3692 | -2224 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 63 | 77.079 | 43.046 | 3690 | -2092 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 80 | 77.084 | 43.046 | 3687 | -2368 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 68 | 77.084 | 43.045 | 3685 | -1974 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 65 | 77.082 | 43.046 | 3684 | -1920 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 64 | 77.081 | 43.046 | 3683 | -2762 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 67 | 77.083 | 43.046 | 3681 | -2139 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 71 | 77.078 | 43.047 | 3680 | -2069 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 79 | 77.084 | 43.046 | 3677 | -2072 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 72 | 77.079 | 43.047 | 3677 | -2220 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 78 | 77.083 | 43.046 | 3675 | -2141 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 73 | 77.080 | 43.047 | 3673 | -2148 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 75 | 77.081 | 43.047 | 3672 | -2279 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 76 | 77.082 | 43.047 | 3672 | -2062 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 77 | 77.083 | 43.047 | 3671 | -2473 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 74 | 77.081 | 43.047 | 3669 | -2296 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 87 | 77.082 | 43.047 | 3666 | -2264 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 86 | 77.082 | 43.048 | 3666 | -2333 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 81 | 77.079 | 43.048 | 3664 | -2297 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 88 | 77.083 | 43.047 | 3663 | -2163 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 85 | 77.081 | 43.048 | 3662 | -1928 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 82 | 77.079 | 43.048 | 3661 | -2298 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 83 | 77.080 | 43.048 | 3659 | -2145 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 84 | 77.081 | 43.048 | 3658 | -2086 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 91 | 77.079 | 43.049 | 3649 | -2181 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 96 | 77.083 | 43.048 | 3648 | -2078 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 92 | 77.080 | 43.049 | 3645 | -2036 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 95 | 77.083 | 43.048 | 3645 | -1840 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 94 | 77.081 | 43.049 | 3645 | -1990 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 93 | 77.081 | 43.049 | 3644 | -2046 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 101 | 77.079 | 43.049 | 3642 | -2074 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 104 | 77.081 | 43.049 | 3638 | -1796 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 105 | 77.082 | 43.049 | 3637 | -1979 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 103 | 77.080 | 43.049 | 3637 | -2244 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 102 | 77.080 | 43.049 | 3637 | -2227 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 107 | 77.084 | 43.049 | 3633 | -1957 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 106 | 77.083 | 43.049 | 3631 | -2100 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 111 | 77.079 | 43.050 | 3616 | -2180 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 115 | 77.083 | 43.050 | 3615 | -2217 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 117 | 77.084 | 43.050 | 3614 | -2521 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 112 | 77.080 | 43.050 | 3613 | -1956 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 114 | 77.082 | 43.050 | 3612 | -2171 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 113 | 77.081 | 43.050 | 3611 | -2021 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 116 | 77.083 | 43.050 | 3610 | -2486 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 124 | 77.082 | 43.051 | 3593 | -2404 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 125 | 77.083 | 43.051 | 3590 | -2689 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 121 | 77.079 | 43.051 | 3590 | -1880 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 123 | 77.082 | 43.051 | 3590 | -2339 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 122 | 77.081 | 43.051 | 3586 | -2186 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 131 | 77.079 | 43.052 | 3580 | -2567 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 132 | 77.080 | 43.052 | 3578 | -2493 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 133 | 77.081 | 43.052 | 3578 | -2603 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 134 | 77.082 | 43.052 | 3578 | -2447 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 135 | 77.083 | 43.052 | 3575 | -2441 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 143 | 77.081 | 43.052 | 3571 | -2694 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 141 | 77.079 | 43.052 | 3570 | -2533 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 142 | 77.081 | 43.052 | 3570 | -2832 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 136 | 77.083 | 43.052 | 3569 | -2745 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 144 | 77.082 | 43.052 | 3565 | -2331 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 137 | 77.084 | 43.052 | 3563 | -2543 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 145 | 77.083 | 43.052 | 3560 | -2531 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 152 | 77.081 | 43.053 | 3557 | -2681 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 151 | 77.080 | 43.053 | 3555 | -2332 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 146 | 77.084 | 43.052 | 3554 | -3003 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 147 | 77.084 | 43.052 | 3550 | -2655 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 153 | 77.081 | 43.053 | 3549 | -2285 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 154 | 77.082 | 43.053 | 3546 | -2800 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 155 | 77.083 | 43.053 | 3544 | -2490 | BS |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 156 | 77.084 | 43.053 | 3541 | -2752 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 157 | 77.084 | 43.053 | 3538 | -2907 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 161 | 77.081 | 43.055 | 3523 | -2814 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 163 | 77.083 | 43.055 | 3515 | -2883 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 162 | 77.082 | 43.055 | 3515 | -2712 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 164 | 77.083 | 43.055 | 3513 | -2963 | BS |
| KZ | TS.TUYUKSUYSKIY | 817 | 20150602 | 20150919 | 165 | 77.084 | 43.054 | 3511 | -2458 | BS |
| **NO - Norway** | | | | | | | | | | |
| NO | JUVFONNE | 3661 | 20130911 | 20140512 | 2 | 61.677 | 8.351 | 1882 | 1210 | IN |
| NO | JUVFONNE | 3661 | 20130911 | 20140909 | 2 | 61.677 | 8.351 | 1882 | -2300 | IN |
| NO | JUVFONNE | 3661 | 20140909 | 20150513 | 2 | 61.677 | 8.351 | 1880 | 1460 | IN |
| NO | JUVFONNE | 3661 | 20140909 | 20150911 | 2 | 61.677 | 8.351 | 1880 | 570 | IN |
| **NZ - New Zealand** | | | | | | | | | | |
| NZ | ROLLESTON | 1538 | 20130314 | 20131107 | top | -42.889 | 171.526 | 1812 | 3499 | BW |
| NZ | ROLLESTON | 1538 | 20130314 | 20131107 | mid/top | -42.889 | 171.527 | 1797 | 2692 | BW |
| NZ | ROLLESTON | 1538 | 20130314 | 20131107 | mid/bottom | -42.890 | 171.527 | 1759 | 1939 | BW |
| NZ | ROLLESTON | 1538 | 20130314 | 20140322 | top | -42.889 | 171.526 | 1812 | 660 | BA |
| NZ | ROLLESTON | 1538 | 20130314 | 20140322 | mid/top | -42.889 | 171.527 | 1797 | 18 | BA |
| NZ | ROLLESTON | 1538 | 20130314 | 20140322 | mid/bottom | -42.890 | 171.527 | 1759 | -1926 | BA |
| NZ | ROLLESTON | 1538 | 20131107 | 20140322 | top | -42.889 | 171.526 | 1812 | -2839 | BS |
| NZ | ROLLESTON | 1538 | 20131107 | 20140322 | mid/top | -42.889 | 171.527 | 1797 | -2674 | BS |
| NZ | ROLLESTON | 1538 | 20131107 | 20140322 | mid/bottom | -42.890 | 171.527 | 1759 | -3865 | BS |
| NZ | ROLLESTON | 1538 | 20140322 | 20141213 | top | -42.889 | 171.527 | 1812 | 3234 | BW |
| NZ | ROLLESTON | 1538 | 20140322 | 20141213 | mid/top | -42.889 | 171.527 | 1800 | 2880 | BW |
| NZ | ROLLESTON | 1538 | 20140322 | 20141213 | mid/bottom | -42.890 | 171.527 | 1783 | 2587 | BW |
| NZ | ROLLESTON | 1538 | 20140322 | 20141213 | bottom | -42.890 | 171.527 | 1757 | 1781 | BW |
| NZ | ROLLESTON | 1538 | 20141213 | 20150320 | top | -42.889 | 171.527 | 1812 | -2585 | BS |
| NZ | ROLLESTON | 1538 | 20141213 | 20150320 | mid/top | -42.889 | 171.527 | 1800 | -2880 | BS |
| NZ | ROLLESTON | 1538 | 20141213 | 20150320 | mid/bottom | -42.890 | 171.527 | 1783 | -2890 | BS |
| NZ | ROLLESTON | 1538 | 20141213 | 20150320 | bottom | -42.890 | 171.527 | 1757 | -3615 | BS |
| **SJ - Svalbard** | | | | | | | | | | |
| SJ | WALDEMARBREEN | 2307 | 20130999 | 20140999 | 16 | | | 429 | 129 | BA |
| SJ | WALDEMARBREEN | 2307 | 20130999 | 20140999 | 15 | | | 389 | -253 | BA |
| SJ | WALDEMARBREEN | 2307 | 20130999 | 20140999 | 14 | | | 348 | -387 | BA |
| SJ | WALDEMARBREEN | 2307 | 20130999 | 20140999 | 13 | | | 322 | -567 | BA |
| SJ | WALDEMARBREEN | 2307 | 20130999 | 20140999 | 12 | | | 300 | -207 | BA |
| SJ | WALDEMARBREEN | 2307 | 20130999 | 20140999 | 11 | | | 278 | -1089 | BA |
| SJ | WALDEMARBREEN | 2307 | 20130999 | 20140999 | 10 | | | 270 | -568 | BA |
| SJ | WALDEMARBREEN | 2307 | 20130999 | 20140999 | 9 | | | 264 | -612 | BA |
| SJ | WALDEMARBREEN | 2307 | 20130999 | 20140999 | 8 | | | 243 | -792 | BA |
| SJ | WALDEMARBREEN | 2307 | 20130999 | 20140999 | 6 | | | 233 | -685 | BA |
| SJ | WALDEMARBREEN | 2307 | 20130999 | 20140999 | 5 | | | 212 | -1108 | BA |
| SJ | WALDEMARBREEN | 2307 | 20130999 | 20140999 | 4 | | | 209 | -639 | BA |
| SJ | WALDEMARBREEN | 2307 | 20130999 | 20140999 | 3 | | | 205 | -1072 | BA |
| SJ | WALDEMARBREEN | 2307 | 20130999 | 20140999 | 2 | | | 183 | -2071 | BA |
| SJ | WALDEMARBREEN | 2307 | 20130999 | 20140999 | 1 | | | 177 | -1549 | BA |
| SJ | WALDEMARBREEN | 2307 | 20130999 | 20140999 | 7 | | | 136 | -1162 | BA |
| SJ | WALDEMARBREEN | 2307 | 20140999 | 20150999 | 15 | | | 429 | -486 | BA |
| SJ | WALDEMARBREEN | 2307 | 20140999 | 20150999 | 14 | | | 366 | -1341 | BA |
| SJ | WALDEMARBREEN | 2307 | 20140999 | 20150999 | 13 | | | 347 | -1152 | BA |
| SJ | WALDEMARBREEN | 2307 | 20140999 | 20150999 | 12 | | | 321 | -1341 | BA |
| SJ | WALDEMARBREEN | 2307 | 20140999 | 20150999 | 11 | | | 299 | -1341 | BA |
| SJ | WALDEMARBREEN | 2307 | 20140999 | 20150999 | 10 | | | 276 | -1971 | BA |
| SJ | WALDEMARBREEN | 2307 | 20140999 | 20150999 | 9 | | | 268 | -1710 | BA |
| SJ | WALDEMARBREEN | 2307 | 20140999 | 20150999 | 8 | | | 264 | -1350 | BA |
| SJ | WALDEMARBREEN | 2307 | 20140999 | 20150999 | 7 | | | 243 | -1521 | BA |
| SJ | WALDEMARBREEN | 2307 | 20140999 | 20150999 | 5 | | | 231 | -1557 | BA |
| SJ | WALDEMARBREEN | 2307 | 20140999 | 20150999 | 4 | | | 210 | -2255 | BA |
| SJ | WALDEMARBREEN | 2307 | 20140999 | 20150999 | 3 | | | 175 | -2376 | BA |
| SJ | WALDEMARBREEN | 2307 | 20140999 | 20150999 | 2 | | | 162 | -2745 | BA |
| SJ | WALDEMARBREEN | 2307 | 20140999 | 20150999 | 6 | | | 136 | -1764 | BA |
| SJ | WALDEMARBREEN | 2307 | 20140999 | 20150999 | 1 | | | 132 | -2475 | BA |
| **US - United States of America** | | | | | | | | | | |
| US | BLACK RAPIDS | 80 | 20139999 | 20149999 | 8km | 63.437 | -146.501 | 1892 | 594 | IN |
| US | BLACK RAPIDS | 80 | 20139999 | 20149999 | 14km | 63.482 | -146.501 | 1715 | -630 | IN |
| US | BLACK RAPIDS | 80 | 20139999 | 20149999 | 20km | 63.483 | -146.383 | 1498 | -2581 | IN |
| US | BLACK RAPIDS | 80 | 20139999 | 20149999 | L22km | 63.457 | -146.333 | 1466 | -2313 | IN |
| US | BLACK RAPIDS | 80 | 20149999 | 20159999 | 8km | 63.437 | -146.501 | 1892 | 71 | IN |
| US | BLACK RAPIDS | 80 | 20149999 | 20159999 | L22km | 63.457 | -146.333 | 1463 | -3250 | IN |
| US | BLUE GLACIER | 210 | 20139999 | 20149999 | 2 | | | 2140 | 200 | BA |
| US | BLUE GLACIER | 210 | 20139999 | 20149999 | 2 | | | 2140 | 3350 | BW |
| US | BLUE GLACIER | 210 | 20139999 | 20149999 | 3 | | | 2060 | 2350 | BW |
| US | BLUE GLACIER | 210 | 20139999 | 20149999 | 3 | | | 2060 | -520 | BA |
| US | BLUE GLACIER | 210 | 20139999 | 20149999 | 4 | | | 1720 | 2400 | BW |
| US | BLUE GLACIER | 210 | 20139999 | 20149999 | 5 | | | 1590 | -3330 | BA |
| US | BLUE GLACIER | 210 | 20139999 | 20149999 | 5 | | | 1590 | 1840 | BW |
| US | BLUE GLACIER | 210 | 20139999 | 20149999 | 6 | | | 1450 | 1220 | BW |
| US | BLUE GLACIER | 210 | 20139999 | 20149999 | 6 | | | 1450 | -6570 | BA |
| US | BLUE GLACIER | 210 | 20149999 | 20149999 | 2 | | | 2140 | -3320 | BS |
| US | BLUE GLACIER | 210 | 20149999 | 20149999 | 3 | | | 2060 | -2870 | BS |
| US | BLUE GLACIER | 210 | 20149999 | 20149999 | 5 | | | 1590 | -5170 | BS |
| US | BLUE GLACIER | 210 | 20149999 | 20149999 | 6 | | | 1450 | -7780 | BS |
| US | BLUE GLACIER | 210 | 20150420 | 20150928 | 1BA | 47.800 | -123.703 | 2253 | 2580 | BA |
| US | BLUE GLACIER | 210 | 20150420 | 20150928 | 1BS | 47.800 | -123.703 | 2253 | -2130 | BS |
| US | BLUE GLACIER | 210 | 20150420 | 20150928 | 1BW | 47.800 | -123.703 | 2253 | 4700 | BW |
| US | BLUE GLACIER | 210 | 20150420 | 20150928 | 2BW | 47.807 | -123.709 | 2144 | 4380 | BW |
| US | BLUE GLACIER | 210 | 20150420 | 20150928 | 2BS | 47.807 | -123.709 | 2144 | -3280 | BS |
| US | BLUE GLACIER | 210 | 20150420 | 20150928 | 2BA | 47.807 | -123.709 | 2144 | 1100 | BA |
| US | BLUE GLACIER | 210 | 20150420 | 20150928 | 3BS | 47.814 | -123.703 | 2062 | -4170 | BS |
| US | BLUE GLACIER | 210 | 20150420 | 20150928 | 3BW | 47.814 | -123.703 | 2062 | 2560 | BW |
| US | BLUE GLACIER | 210 | 20150420 | 20150928 | 3BA | 47.814 | -123.703 | 2062 | -1610 | BA |
| US | BLUE GLACIER | 210 | 20150420 | 20150928 | 4BW | 47.809 | -123.692 | 1720 | 1470 | BW |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| US | BLUE GLACIER | 210 | 20150420 | 20150928 | 4BS | 47.809 | -123.692 | 1720 | -6410 | BS |
| US | BLUE GLACIER | 210 | 20150420 | 20150928 | 4BA | 47.809 | -123.692 | 1720 | -4940 | BA |
| US | BLUE GLACIER | 210 | 20150420 | 20150928 | 5BW | 47.817 | -123.685 | 1588 | 430 | BW |
| US | BLUE GLACIER | 210 | 20150420 | 20150928 | 5BS | 47.817 | -123.685 | 1588 | -5820 | BS |
| US | BLUE GLACIER | 210 | 20150420 | 20150928 | 5BA | 47.817 | -123.685 | 1588 | -5390 | BA |
| US | BLUE GLACIER | 210 | 20150420 | 20150928 | 6BA | 47.824 | -123.691 | 1467 | -7910 | BA |
| US | BLUE GLACIER | 210 | 20150420 | 20150928 | 6BW | 47.824 | -123.691 | 1467 | 150 | BW |
| US | BLUE GLACIER | 210 | 20150420 | 20150928 | 6BS | 47.824 | -123.691 | 1467 | -8060 | BS |
| US | EEL | 188 | 20139999 | 20149999 | 1 | | | 1940 | 1290 | BA |
| US | EEL | 188 | 20139999 | 20149999 | 1 | | | 1940 | 4850 | BW |
| US | EEL | 188 | 20139999 | 20149999 | 2 | | | 1855 | 4950 | BW |
| US | EEL | 188 | 20139999 | 20149999 | 2 | | | 1855 | 930 | BA |
| US | EEL | 188 | 20139999 | 20149999 | 3 | | | 1800 | -320 | BA |
| US | EEL | 188 | 20139999 | 20149999 | 3 | | | 1800 | 4120 | BW |
| US | EEL | 188 | 20139999 | 20149999 | 4 | | | 1710 | 2420 | BW |
| US | EEL | 188 | 20139999 | 20149999 | 4 | | | 1710 | -2960 | BA |
| US | EEL | 188 | 20149999 | 20149999 | 1 | | | 1940 | -3560 | BS |
| US | EEL | 188 | 20149999 | 20149999 | 2 | | | 1855 | -4020 | BS |
| US | EEL | 188 | 20149999 | 20149999 | 3 | | | 1800 | -4440 | BS |
| US | EEL | 188 | 20149999 | 20149999 | 4 | | | 1710 | -5380 | BS |
| US | EEL | 188 | 20150420 | 20150928 | 1BA | 47.722 | -123.339 | 1943 | -156 | BA |
| US | EEL | 188 | 20150420 | 20150928 | 1BS | 47.722 | -123.339 | 1943 | -3640 | BS |
| US | EEL | 188 | 20150420 | 20150928 | 1BW | 47.722 | -123.339 | 1943 | 2090 | BW |
| US | EEL | 188 | 20150420 | 20150928 | 2BA | 47.726 | -123.340 | 1855 | -3680 | BA |
| US | EEL | 188 | 20150420 | 20150928 | 2BS | 47.726 | -123.340 | 1855 | -5330 | BS |
| US | EEL | 188 | 20150420 | 20150928 | 2BW | 47.726 | -123.340 | 1855 | 1660 | BW |
| US | EEL | 188 | 20150420 | 20150928 | 3BW | 47.730 | -123.340 | 1768 | 1230 | BW |
| US | EEL | 188 | 20150420 | 20150928 | 3BA | 47.730 | -123.340 | 1768 | -4920 | BA |
| US | EEL | 188 | 20150420 | 20150928 | 3BS | 47.730 | -123.340 | 1768 | -6150 | BS |
| US | EEL | 188 | 20150420 | 20150928 | 4BW | 47.733 | -123.342 | 1679 | 420 | BW |
| US | EEL | 188 | 20150420 | 20150928 | 4BS | 47.733 | -123.342 | 1679 | -7130 | BS |
| US | EEL | 188 | 20150420 | 20150928 | 4BA | 47.733 | -123.342 | 1679 | -6710 | BA |
| US | EMMONS | 203 | 20139999 | 20149999 | 1 | | | 3089 | 3360 | BW |
| US | EMMONS | 203 | 20139999 | 20149999 | 1 | | | 3089 | 1040 | BA |
| US | EMMONS | 203 | 20139999 | 20149999 | 2 | | | 2806 | 310 | BA |
| US | EMMONS | 203 | 20139999 | 20149999 | 2 | | | 2806 | 2920 | BW |
| US | EMMONS | 203 | 20139999 | 20149999 | 3 | | | 1970 | -5530 | BA |
| US | EMMONS | 203 | 20139999 | 20149999 | 3 | | | 1970 | 1790 | BW |
| US | EMMONS | 203 | 20139999 | 20149999 | 4 | | | 1720 | -9210 | BA |
| US | EMMONS | 203 | 20139999 | 20149999 | 4 | | | 1720 | 710 | BW |
| US | EMMONS | 203 | 20139999 | 20149999 | 4A | | | 1716 | 960 | BW |
| US | EMMONS | 203 | 20139999 | 20149999 | 4A | | | 1716 | -2670 | BA |
| US | EMMONS | 203 | 20139999 | 20149999 | 5 | | | 1573 | -2740 | BA |
| US | EMMONS | 203 | 20139999 | 20149999 | 5 | | | 1573 | 540 | BW |
| US | EMMONS | 203 | 20149999 | 20149999 | 1 | | | 3089 | -2320 | BS |
| US | EMMONS | 203 | 20149999 | 20149999 | 2 | | | 2806 | -2610 | BS |
| US | EMMONS | 203 | 20149999 | 20149999 | 3 | | | 1970 | -7320 | BS |
| US | EMMONS | 203 | 20149999 | 20149999 | 4 | | | 1720 | -9920 | BS |
| US | EMMONS | 203 | 20149999 | 20149999 | 4A | | | 1716 | -3630 | BS |
| US | EMMONS | 203 | 20149999 | 20149999 | 5 | | | 1573 | -3280 | BS |
| US | EMMONS | 203 | 20150430 | 20151006 | 3BW | 46.874 | -121.694 | 1891 | 840 | BW |
| US | EMMONS | 203 | 20150430 | 20151006 | 3BS | 46.874 | -121.694 | 1891 | -8350 | BS |
| US | EMMONS | 203 | 20150430 | 20151006 | 3BA | 46.874 | -121.694 | 1891 | -7510 | BA |
| US | EMMONS | 203 | 20150430 | 20151006 | 4BW | 46.879 | -121.680 | 1725 | 190 | BW |
| US | EMMONS | 203 | 20150430 | 20151006 | 4BS | 46.879 | -121.680 | 1725 | -10020 | BS |
| US | EMMONS | 203 | 20150430 | 20151006 | 4BA | 46.879 | -121.680 | 1725 | -9830 | BA |
| US | EMMONS | 203 | 20150430 | 20151006 | 4ABS | 46.881 | -121.681 | 1721 | -2030 | BS |
| US | EMMONS | 203 | 20150430 | 20151006 | 4ABA | 46.881 | -121.681 | 1721 | -2030 | BA |
| US | EMMONS | 203 | 20150430 | 20151006 | 4ABW | 46.881 | -121.681 | 1721 | 0 | BW |
| US | EMMONS | 203 | 20150430 | 20151006 | 5BA | 46.888 | -121.675 | 1563 | -1830 | BA |
| US | EMMONS | 203 | 20150430 | 20151006 | 5BS | 46.888 | -121.675 | 1563 | -1830 | BS |
| US | EMMONS | 203 | 20150430 | 20151006 | 5BW | 46.888 | -121.675 | 1563 | 0 | BW |
| US | EMMONS | 203 | 20150507 | 20150928 | 1BA | 46.866 | -121.736 | 3089 | 1240 | BA |
| US | EMMONS | 203 | 20150507 | 20150928 | 1BS | 46.866 | -121.736 | 3089 | -2720 | BS |
| US | EMMONS | 203 | 20150507 | 20150928 | 1BW | 46.866 | -121.736 | 3089 | 3960 | BW |
| US | EMMONS | 203 | 20150507 | 20150928 | 2BA | 46.870 | -121.729 | 2807 | 550 | BA |
| US | EMMONS | 203 | 20150507 | 20150928 | 2BS | 46.870 | -121.729 | 2807 | -3420 | BS |
| US | EMMONS | 203 | 20150507 | 20150928 | 2BW | 46.870 | -121.729 | 2807 | 3970 | BW |
| US | GULKANA | 90 | 20130826 | 20140417 | A | 63.259 | -145.429 | 1337 | 70 | BW |
| US | GULKANA | 90 | 20130827 | 20140415 | D | 63.285 | -145.385 | 1846 | 1360 | BW |
| US | GULKANA | 90 | 20130827 | 20140417 | B | 63.286 | -145.410 | 1683 | 1080 | BW |
| US | GULKANA | 90 | 20140415 | 20140824 | D | 63.285 | -145.385 | 1846 | -700 | BS |
| US | GULKANA | 90 | 20140417 | 20140824 | B | 63.286 | -145.410 | 1683 | -1470 | BS |
| US | GULKANA | 90 | 20140417 | 20140825 | A | 63.259 | -145.429 | 1337 | -3360 | BS |
| US | GULKANA | 90 | 20140824 | 20150414 | D | 63.285 | -145.385 | 1845 | 750 | BW |
| US | GULKANA | 90 | 20140824 | 20150414 | B | 63.286 | -145.410 | 1682 | 780 | BW |
| US | GULKANA | 90 | 20140825 | 20150416 | AU | 63.265 | -145.417 | 1448 | 330 | BW |
| US | GULKANA | 90 | 20140825 | 20150923 | AU | 63.265 | -145.417 | 1448 | -4040 | BS |
| US | GULKANA | 90 | 20150414 | 20150923 | B | 63.286 | -145.410 | 1682 | -2580 | BS |
| US | GULKANA | 90 | 20150414 | 20150924 | D | 63.285 | -145.385 | 1845 | -1080 | BS |
| US | NISQUALLY | 201 | 20139999 | 20149999 | 1 | | | 3387 | 280 | BA |
| US | NISQUALLY | 201 | 20139999 | 20149999 | 1 | | | 3387 | 2480 | BW |
| US | NISQUALLY | 201 | 20139999 | 20149999 | 2 | | | 2959 | 2960 | BW |
| US | NISQUALLY | 201 | 20139999 | 20149999 | 2 | | | 2959 | -390 | BA |
| US | NISQUALLY | 201 | 20139999 | 20149999 | 3 | | | 2179 | 3600 | BW |
| US | NISQUALLY | 201 | 20139999 | 20149999 | 3 | | | 2179 | -1680 | BA |
| US | NISQUALLY | 201 | 20139999 | 20149999 | 4 | | | 1859 | -3100 | BA |
| US | NISQUALLY | 201 | 20139999 | 20149999 | 4 | | | 1859 | 3190 | BW |
| US | NISQUALLY | 201 | 20139999 | 20149999 | 4A | | | 1856 | -680 | BA |
| US | NISQUALLY | 201 | 20139999 | 20149999 | 4A | | | 1856 | 3100 | BW |
| US | NISQUALLY | 201 | 20139999 | 20149999 | 5 | | | 1759 | 2430 | BW |
| US | NISQUALLY | 201 | 20139999 | 20149999 | 5 | | | 1759 | -3020 | BA |
| US | NISQUALLY | 201 | 20149999 | 20149999 | 1 | | | 3387 | -2200 | BS |
| US | NISQUALLY | 201 | 20149999 | 20149999 | 2 | | | 2959 | -3350 | BS |
| US | NISQUALLY | 201 | 20149999 | 20149999 | 3 | | | 2179 | -5280 | BS |
| US | NISQUALLY | 201 | 20149999 | 20149999 | 4 | | | 1859 | -6280 | BS |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| US | NISQUALLY | 201 | 20149999 | 20149999 | 4A | | | 1856 | -3790 | BS |
| US | NISQUALLY | 201 | 20149999 | 20149999 | 5 | | | 1759 | -5450 | BS |
| US | NISQUALLY | 201 | 20150409 | 20150926 | 3BW | 46.818 | -121.740 | 2178 | 4040 | BW |
| US | NISQUALLY | 201 | 20150409 | 20150926 | 3BA | 46.818 | -121.740 | 2178 | -2150 | BA |
| US | NISQUALLY | 201 | 20150409 | 20150926 | 3BS | 46.818 | -121.740 | 2178 | -6190 | BS |
| US | NISQUALLY | 201 | 20150409 | 20150926 | 4BA | 46.808 | -121.742 | 1853 | -6590 | BA |
| US | NISQUALLY | 201 | 20150409 | 20150926 | 4BS | 46.808 | -121.742 | 1853 | -8460 | BS |
| US | NISQUALLY | 201 | 20150409 | 20150926 | 4BW | 46.808 | -121.742 | 1853 | 1880 | BW |
| US | NISQUALLY | 201 | 20150409 | 20150926 | 4ABS | 46.806 | -121.739 | 1850 | -2730 | BS |
| US | NISQUALLY | 201 | 20150409 | 20150926 | 4ABA | 46.806 | -121.739 | 1850 | -1000 | BA |
| US | NISQUALLY | 201 | 20150409 | 20150926 | 4ABW | 46.806 | -121.739 | 1850 | 1720 | BW |
| US | NISQUALLY | 201 | 20150409 | 20151005 | 5BS | 46.803 | -121.743 | 1753 | -3470 | BS |
| US | NISQUALLY | 201 | 20150409 | 20151005 | 5BA | 46.803 | -121.743 | 1753 | -2800 | BA |
| US | NISQUALLY | 201 | 20150409 | 20151005 | 5BW | 46.803 | -121.743 | 1753 | 670 | BW |
| US | NISQUALLY | 201 | 20150526 | 20150922 | 2BA | 46.832 | -121.734 | 2946 | -50 | BA |
| US | NISQUALLY | 201 | 20150526 | 20150922 | 2BS | 46.832 | -121.734 | 2946 | -3520 | BS |
| US | NISQUALLY | 201 | 20150526 | 20150922 | 2BW | 46.832 | -121.734 | 2946 | 3460 | BW |
| US | NISQUALLY | 201 | 20150527 | 20150922 | 1BA | 46.845 | -121.736 | 3407 | 830 | BA |
| US | NISQUALLY | 201 | 20150527 | 20150922 | 1BS | 46.845 | -121.736 | 3407 | -3010 | BS |
| US | NISQUALLY | 201 | 20150527 | 20150922 | 1BW | 46.845 | -121.736 | 3407 | 3840 | BW |
| US | NOISY CREEK | 1666 | 20150419 | 20150922 | 1BW | 48.670 | -121.53 | 1818 | 2500 | BW |
| US | NOISY CREEK | 1666 | 20150419 | 20150922 | 1BA | 48.670 | -121.53 | 1818 | -2960 | BA |
| US | NOISY CREEK | 1666 | 20150419 | 20150922 | 1BS | 48.670 | -121.53 | 1818 | -5460 | BS |
| US | NOISY CREEK | 1666 | 20150419 | 20150922 | 2BW | 48.672 | -121.529 | 1772 | 1890 | BW |
| US | NOISY CREEK | 1666 | 20150419 | 20150922 | 2BS | 48.672 | -121.529 | 1772 | -5210 | BS |
| US | NOISY CREEK | 1666 | 20150419 | 20150922 | 2BA | 48.672 | -121.529 | 1772 | -3320 | BA |
| US | NOISY CREEK | 1666 | 20150419 | 20150922 | 3BW | 48.674 | -121.528 | 1740 | 1860 | BW |
| US | NOISY CREEK | 1666 | 20150419 | 20150922 | 3BS | 48.674 | -121.528 | 1740 | -6310 | BS |
| US | NOISY CREEK | 1666 | 20150419 | 20150922 | 3BA | 48.674 | -121.528 | 1740 | -4460 | BA |
| US | NOISY CREEK | 1666 | 20150419 | 20150922 | 4BW | 48.676 | -121.527 | 1704 | 1820 | BW |
| US | NOISY CREEK | 1666 | 20150419 | 20150922 | 4BS | 48.676 | -121.527 | 1704 | -5910 | BS |
| US | NOISY CREEK | 1666 | 20150419 | 20150922 | 4BA | 48.676 | -121.527 | 1704 | -4090 | BA |
| US | NORTH KLAWATTI | 1664 | 20139999 | 20149999 | 2 | | | 2196 | 4030 | BW |
| US | NORTH KLAWATTI | 1664 | 20139999 | 20149999 | 2 | | | 2196 | 500 | BA |
| US | NORTH KLAWATTI | 1664 | 20139999 | 20149999 | 3 | | | 2080 | 440 | BA |
| US | NORTH KLAWATTI | 1664 | 20139999 | 20149999 | 3 | | | 2080 | 4160 | BW |
| US | NORTH KLAWATTI | 1664 | 20139999 | 20149999 | 4 | | | 1916 | -2420 | BA |
| US | NORTH KLAWATTI | 1664 | 20139999 | 20149999 | 4 | | | 1916 | 3310 | BW |
| US | NORTH KLAWATTI | 1664 | 20139999 | 20149999 | 5 | | | 1826 | 3270 | BW |
| US | NORTH KLAWATTI | 1664 | 20139999 | 20149999 | 5 | | | 1826 | -3120 | BA |
| US | NORTH KLAWATTI | 1664 | 20149999 | 20149999 | 2 | | | 2196 | -3530 | BS |
| US | NORTH KLAWATTI | 1664 | 20149999 | 20149999 | 3 | | | 2080 | -3720 | BS |
| US | NORTH KLAWATTI | 1664 | 20149999 | 20149999 | 4 | | | 1916 | -5720 | BS |
| US | NORTH KLAWATTI | 1664 | 20149999 | 20149999 | 5 | | | 1826 | -6390 | BS |
| US | NORTH KLAWATTI | 1664 | 20150419 | 20150923 | 1BW | 48.578 | -121.106 | 2312 | 3870 | BW |
| US | NORTH KLAWATTI | 1664 | 20150419 | 20150923 | 1BS | 48.578 | -121.106 | 2312 | -3890 | BS |
| US | NORTH KLAWATTI | 1664 | 20150419 | 20150923 | 1BA | 48.578 | -121.106 | 2312 | -20 | BA |
| US | NORTH KLAWATTI | 1664 | 20150419 | 20150923 | 2BW | 48.574 | -121.097 | 2196 | 2990 | BW |
| US | NORTH KLAWATTI | 1664 | 20150419 | 20150923 | 2BS | 48.574 | -121.097 | 2196 | -4820 | BS |
| US | NORTH KLAWATTI | 1664 | 20150419 | 20150923 | 2BA | 48.574 | -121.097 | 2196 | -1830 | BA |
| US | NORTH KLAWATTI | 1664 | 20150419 | 20150923 | 3BW | 48.571 | -121.093 | 2080 | 3190 | BW |
| US | NORTH KLAWATTI | 1664 | 20150419 | 20150923 | 3BS | 48.571 | -121.093 | 2080 | -5090 | BS |
| US | NORTH KLAWATTI | 1664 | 20150419 | 20150923 | 3BA | 48.571 | -121.093 | 2080 | -1890 | BA |
| US | NORTH KLAWATTI | 1664 | 20150419 | 20150923 | 4BW | 48.571 | -121.087 | 1916 | 2200 | BW |
| US | NORTH KLAWATTI | 1664 | 20150419 | 20150923 | 4BS | 48.571 | -121.087 | 1916 | -7620 | BS |
| US | NORTH KLAWATTI | 1664 | 20150419 | 20150923 | 4BA | 48.571 | -121.087 | 1916 | -5420 | BA |
| US | NORTH KLAWATTI | 1664 | 20150419 | 20150923 | 5BA | 48.568 | -121.083 | 1826 | -7340 | BA |
| US | NORTH KLAWATTI | 1664 | 20150419 | 20150923 | 5BS | 48.568 | -121.083 | 1826 | -9010 | BS |
| US | NORTH KLAWATTI | 1664 | 20150419 | 20150923 | 5BW | 48.568 | -121.083 | 1826 | 1670 | BW |
| US | SANDALEE | 1667 | 20139999 | 20149999 | 1 | | | 2256 | 2820 | BW |
| US | SANDALEE | 1667 | 20139999 | 20149999 | 1 | | | 2256 | 80 | BA |
| US | SANDALEE | 1667 | 20139999 | 20149999 | 2 | | | 2178 | 10 | BA |
| US | SANDALEE | 1667 | 20139999 | 20149999 | 2 | | | 2178 | 2940 | BW |
| US | SANDALEE | 1667 | 20139999 | 20149999 | 3 | | | 2066 | 2710 | BW |
| US | SANDALEE | 1667 | 20139999 | 20149999 | 3 | | | 2066 | -900 | BA |
| US | SANDALEE | 1667 | 20139999 | 20149999 | 4 | | | 1996 | -600 | BA |
| US | SANDALEE | 1667 | 20139999 | 20149999 | 4 | | | 1996 | 3390 | BW |
| US | SANDALEE | 1667 | 20149999 | 20149999 | 1 | | | 2256 | -2750 | BS |
| US | SANDALEE | 1667 | 20149999 | 20149999 | 2 | | | 2178 | -2930 | BS |
| US | SANDALEE | 1667 | 20149999 | 20149999 | 3 | | | 2066 | -3610 | BS |
| US | SANDALEE | 1667 | 20149999 | 20149999 | 4 | | | 1996 | -3990 | BS |
| US | SANDALEE | 1667 | 20150419 | 20150922 | 1BA | 48.407 | -120.790 | 2254 | -1710 | BA |
| US | SANDALEE | 1667 | 20150419 | 20150922 | 1BS | 48.407 | -120.790 | 2254 | -3970 | BS |
| US | SANDALEE | 1667 | 20150419 | 20150922 | 1BW | 48.407 | -120.790 | 2254 | 2260 | BW |
| US | SANDALEE | 1667 | 20150419 | 20150922 | 2BW | 48.409 | -120.789 | 2178 | 2380 | BW |
| US | SANDALEE | 1667 | 20150419 | 20150922 | 2BA | 48.409 | -120.789 | 2178 | -1770 | BA |
| US | SANDALEE | 1667 | 20150419 | 20150922 | 2BS | 48.409 | -120.789 | 2178 | -4150 | BS |
| US | SANDALEE | 1667 | 20150419 | 20150922 | 3BA | 48.411 | -120.790 | 2066 | -3220 | BA |
| US | SANDALEE | 1667 | 20150419 | 20150922 | 3BS | 48.411 | -120.790 | 2066 | -5460 | BS |
| US | SANDALEE | 1667 | 20150419 | 20150922 | 3BW | 48.411 | -120.790 | 2066 | 2240 | BW |
| US | SANDALEE | 1667 | 20150419 | 20150922 | 4BA | 48.413 | -120.790 | 1996 | -2150 | BA |
| US | SANDALEE | 1667 | 20150419 | 20150922 | 4BS | 48.413 | -120.790 | 1996 | -5230 | BS |
| US | SANDALEE | 1667 | 20150419 | 20150922 | 4BW | 48.413 | -120.790 | 1996 | 3080 | BW |
| US | SILVER | 1665 | 20139999 | 20149999 | 1 | | | 2538 | 2420 | BW |
| US | SILVER | 1665 | 20139999 | 20149999 | 1 | | | 2538 | 620 | BA |
| US | SILVER | 1665 | 20139999 | 20149999 | 2 | | | 2402 | -190 | BA |
| US | SILVER | 1665 | 20139999 | 20149999 | 2 | | | 2402 | 2270 | BW |
| US | SILVER | 1665 | 20139999 | 20149999 | 3 | | | 2286 | 2880 | BW |
| US | SILVER | 1665 | 20139999 | 20149999 | 3 | | | 2286 | 50 | BA |
| US | SILVER | 1665 | 20139999 | 20149999 | 4 | | | 2198 | 2050 | BW |
| US | SILVER | 1665 | 20139999 | 20149999 | 4 | | | 2198 | -1710 | BA |
| US | SILVER | 1665 | 20149999 | 20149999 | 1 | | | 2538 | -1800 | BS |
| US | SILVER | 1665 | 20149999 | 20149999 | 2 | | | 2402 | -2460 | BS |
| US | SILVER | 1665 | 20149999 | 20149999 | 3 | | | 2286 | -2830 | BS |
| US | SILVER | 1665 | 20149999 | 20149999 | 4 | | | 2198 | -3750 | BS |
| US | SILVER | 1665 | 20150504 | 20150923 | 1BW | 48.972 | -121.238 | 2538 | 3420 | BW |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| US | SILVER | 1665 | 20150504 | 20150923 | 1BS | 48.972 | -121.238 | 2538 | -2160 | BS |
| US | SILVER | 1665 | 20150504 | 20150923 | 1BA | 48.972 | -121.238 | 2538 | 1250 | BA |
| US | SILVER | 1665 | 20150504 | 20150923 | 2BS | 48.973 | -121.241 | 2422 | -3160 | BS |
| US | SILVER | 1665 | 20150504 | 20150923 | 2BW | 48.973 | -121.241 | 2422 | 2070 | BW |
| US | SILVER | 1665 | 20150504 | 20150923 | 2BA | 48.973 | -121.241 | 2422 | -1090 | BA |
| US | SILVER | 1665 | 20150504 | 20150923 | 3BS | 48.974 | -121.243 | 2286 | -4020 | BS |
| US | SILVER | 1665 | 20150504 | 20150923 | 3BA | 48.974 | -121.243 | 2286 | -1950 | BA |
| US | SILVER | 1665 | 20150504 | 20150923 | 3BW | 48.974 | -121.243 | 2286 | 2070 | BW |
| US | SILVER | 1665 | 20150504 | 20150923 | 4BA | 48.976 | -121.244 | 2200 | -2440 | BA |
| US | SILVER | 1665 | 20150504 | 20150923 | 4BW | 48.976 | -121.244 | 2200 | 1890 | BW |
| US | SILVER | 1665 | 20150504 | 20150923 | 4BS | 48.976 | -121.244 | 2200 | -4340 | BS |
| US | SOUTH CASCADE | 205 | 20131027 | 20140514 | A_2014 | 48.349 | -121.046 | 2072 | 3566 | BW |
| US | SOUTH CASCADE | 205 | 20131027 | 20140514 | B_2014 | 48.347 | -121.052 | 2029 | 4167 | BW |
| US | SOUTH CASCADE | 205 | 20131027 | 20140514 | C_2014 | 48.352 | -121.055 | 1949 | 3922 | BW |
| US | SOUTH CASCADE | 205 | 20131027 | 20140514 | E_2014 | 48.358 | -121.060 | 1835 | 3133 | BW |
| US | SOUTH CASCADE | 205 | 20131027 | 20140514 | D_2014 | 48.358 | -121.060 | 1835 | 3133 | BW |
| US | SOUTH CASCADE | 205 | 20131027 | 20140514 | F_2014 | 48.363 | -121.062 | 1729 | 2533 | BW |
| US | SOUTH CASCADE | 205 | 20131027 | 20140514 | G_2014 | 48.364 | -121.061 | 1663 | 1700 | BW |
| US | SOUTH CASCADE | 205 | 20131027 | 20141008 | B_2014 | 48.347 | -121.052 | 2029 | 783 | BA |
| US | SOUTH CASCADE | 205 | 20131027 | 20141008 | C_2014 | 48.352 | -121.055 | 1949 | 320 | BA |
| US | SOUTH CASCADE | 205 | 20131027 | 20141008 | E_2014 | 48.358 | -121.060 | 1835 | -765 | BA |
| US | SOUTH CASCADE | 205 | 20131027 | 20141008 | D_2014 | 48.358 | -121.060 | 1835 | -819 | BA |
| US | SOUTH CASCADE | 205 | 20131027 | 20141009 | F_2014 | 48.363 | -121.062 | 1729 | -3201 | BA |
| US | SOUTH CASCADE | 205 | 20131027 | 20141009 | G_2014 | 48.364 | -121.061 | 1663 | -6318 | BA |
| US | SOUTH CASCADE | 205 | 20140514 | 20141008 | B_2014 | 48.347 | -121.052 | 2029 | -3384 | BS |
| US | SOUTH CASCADE | 205 | 20140514 | 20141008 | C_2014 | 48.352 | -121.055 | 1949 | -3602 | BS |
| US | SOUTH CASCADE | 205 | 20140514 | 20141008 | D_2014 | 48.358 | -121.060 | 1835 | -3952 | BS |
| US | SOUTH CASCADE | 205 | 20140514 | 20141008 | E_2014 | 48.358 | -121.060 | 1835 | -3898 | BS |
| US | SOUTH CASCADE | 205 | 20140514 | 20141009 | F_2014 | 48.363 | -121.062 | 1729 | -5734 | BS |
| US | SOUTH CASCADE | 205 | 20140514 | 20141009 | G_2014 | 48.364 | -121.061 | 1663 | -8018 | BS |
| US | SOUTH CASCADE | 205 | 20141109 | 20150529 | A_2015 | 48.349 | -121.046 | 2067 | 2349 | BW |
| US | SOUTH CASCADE | 205 | 20141109 | 20150529 | B_2015 | 48.348 | -121.052 | 2025 | 3867 | BW |
| US | SOUTH CASCADE | 205 | 20141109 | 20150529 | C_2015 | 48.352 | -121.055 | 1954 | 1984 | BW |
| US | SOUTH CASCADE | 205 | 20141109 | 20150529 | E_2015 | 48.359 | -121.060 | 1826 | 1714 | BW |
| US | SOUTH CASCADE | 205 | 20141109 | 20150529 | D_2015 | 48.358 | -121.060 | 1826 | 1714 | BW |
| US | SOUTH CASCADE | 205 | 20141109 | 20150530 | F_2015 | 48.363 | -121.062 | 1735 | 500 | BW |
| US | SOUTH CASCADE | 205 | 20141109 | 20150930 | A_2015 | 48.349 | -121.046 | 2067 | -2420 | BA |
| US | SOUTH CASCADE | 205 | 20141109 | 20150930 | B_2015 | 48.348 | -121.052 | 2025 | -7 | BA |
| US | SOUTH CASCADE | 205 | 20141109 | 20150930 | C_2015 | 48.352 | -121.055 | 1954 | -2622 | BA |
| US | SOUTH CASCADE | 205 | 20141109 | 20150930 | D_2015 | 48.358 | -121.060 | 1826 | -3681 | BA |
| US | SOUTH CASCADE | 205 | 20141109 | 20150930 | E_2015 | 48.359 | -121.060 | 1826 | -3555 | BA |
| US | SOUTH CASCADE | 205 | 20141109 | 20150930 | F_2015 | 48.363 | -121.062 | 1735 | -7203 | BA |
| US | SOUTH CASCADE | 205 | 20150529 | 20150930 | A_2015 | 48.349 | -121.046 | 2067 | -4769 | BS |
| US | SOUTH CASCADE | 205 | 20150529 | 20150930 | B_2015 | 48.348 | -121.052 | 2025 | -3874 | BS |
| US | SOUTH CASCADE | 205 | 20150529 | 20150930 | C_2015 | 48.352 | -121.055 | 1954 | -4606 | BS |
| US | SOUTH CASCADE | 205 | 20150529 | 20150930 | E_2015 | 48.359 | -121.060 | 1826 | -5269 | BS |
| US | SOUTH CASCADE | 205 | 20150529 | 20150930 | D_2015 | 48.358 | -121.060 | 1826 | -5395 | BS |
| US | SOUTH CASCADE | 205 | 20150530 | 20150930 | F_2015 | 48.363 | -121.062 | 1735 | -7703 | BS |
| US | SPERRY | 218 | 20130927 | 20140611 | 4 | 48.620 | -113.759 | 2525 | 4380 | BW |
| US | SPERRY | 218 | 20130927 | 20140611 | 7 | 48.622 | -113.755 | 2467 | 2830 | BW |
| US | SPERRY | 218 | 20130927 | 20140611 | 3 | 48.623 | -113.759 | 2447 | 2630 | BW |
| US | SPERRY | 218 | 20130927 | 20140611 | 5 | 48.623 | -113.763 | 2447 | 2040 | BW |
| US | SPERRY | 218 | 20130927 | 20140611 | 1 | 48.625 | -113.758 | 2362 | 2990 | BW |
| US | SPERRY | 218 | 20130927 | 20140611 | 6 | 48.626 | -113.753 | 2354 | 2820 | BW |
| US | SPERRY | 218 | 20130927 | 20140611 | 2 | 48.626 | -113.755 | 2326 | 3010 | BW |
| US | SPERRY | 218 | 20130927 | 20140918 | 4 | 48.620 | -113.759 | 2525 | 1310 | BA |
| US | SPERRY | 218 | 20130927 | 20140918 | 7 | 48.622 | -113.755 | 2467 | -50 | BA |
| US | SPERRY | 218 | 20130927 | 20140918 | 3 | 48.623 | -113.759 | 2447 | -820 | BA |
| US | SPERRY | 218 | 20130927 | 20140918 | 5 | 48.623 | -113.763 | 2447 | -1370 | BA |
| US | SPERRY | 218 | 20130927 | 20140918 | 1 | 48.625 | -113.758 | 2362 | -380 | BA |
| US | SPERRY | 218 | 20130927 | 20140918 | 6 | 48.626 | -113.753 | 2354 | -310 | BA |
| US | SPERRY | 218 | 20130927 | 20140918 | 2 | 48.626 | -113.755 | 2326 | -110 | BA |
| US | SPERRY | 218 | 20140611 | 20140918 | 4 | 48.620 | -113.759 | 2525 | -3070 | BS |
| US | SPERRY | 218 | 20140611 | 20140918 | 7 | 48.622 | -113.755 | 2467 | -2880 | BS |
| US | SPERRY | 218 | 20140611 | 20140918 | 5 | 48.623 | -113.763 | 2447 | -3410 | BS |
| US | SPERRY | 218 | 20140611 | 20140918 | 3 | 48.623 | -113.759 | 2447 | -3450 | BS |
| US | SPERRY | 218 | 20140611 | 20140918 | 1 | 48.625 | -113.758 | 2362 | -3380 | BS |
| US | SPERRY | 218 | 20140611 | 20140918 | 6 | 48.626 | -113.753 | 2354 | -3140 | BS |
| US | SPERRY | 218 | 20140611 | 20140918 | 2 | 48.626 | -113.755 | 2326 | -3130 | BS |
| US | SPERRY | 218 | 20140918 | 20150525 | 8 | 48.620 | -113.757 | 2567 | 4220 | BW |
| US | SPERRY | 218 | 20140918 | 20150525 | 4 | 48.620 | -113.759 | 2525 | 3250 | BW |
| US | SPERRY | 218 | 20140918 | 20150525 | 7 | 48.622 | -113.755 | 2467 | 2570 | BW |
| US | SPERRY | 218 | 20140918 | 20150525 | 3 | 48.623 | -113.759 | 2447 | 2920 | BW |
| US | SPERRY | 218 | 20140918 | 20150525 | 5 | 48.623 | -113.763 | 2447 | 1990 | BW |
| US | SPERRY | 218 | 20140918 | 20150525 | 1 | 48.625 | -113.758 | 2362 | 2460 | BW |
| US | SPERRY | 218 | 20140918 | 20150525 | 6 | 48.626 | -113.753 | 2354 | 2370 | BW |
| US | SPERRY | 218 | 20140918 | 20150525 | 2 | 48.626 | -113.755 | 2326 | 2340 | BW |
| US | SPERRY | 218 | 20140918 | 20150922 | 8 | 48.620 | -113.757 | 2567 | 890 | BA |
| US | SPERRY | 218 | 20140918 | 20150922 | 4 | 48.620 | -113.759 | 2525 | -400 | BA |
| US | SPERRY | 218 | 20140918 | 20150922 | 7 | 48.622 | -113.755 | 2467 | -1560 | BA |
| US | SPERRY | 218 | 20140918 | 20150922 | 5 | 48.623 | -113.763 | 2447 | -2630 | BA |
| US | SPERRY | 218 | 20140918 | 20150922 | 3 | 48.623 | -113.759 | 2447 | -1990 | BA |
| US | SPERRY | 218 | 20140918 | 20150922 | 1 | 48.625 | -113.758 | 2362 | -1880 | BA |
| US | SPERRY | 218 | 20140918 | 20150922 | 6 | 48.626 | -113.753 | 2354 | -2000 | BA |
| US | SPERRY | 218 | 20140918 | 20150922 | 2 | 48.626 | -113.755 | 2326 | -2020 | BA |
| US | SPERRY | 218 | 20150525 | 20150922 | 8 | 48.620 | -113.757 | 2567 | -3330 | BS |
| US | SPERRY | 218 | 20150525 | 20150922 | 4 | 48.620 | -113.759 | 2525 | -3650 | BS |
| US | SPERRY | 218 | 20150525 | 20150922 | 7 | 48.622 | -113.755 | 2467 | -4130 | BS |
| US | SPERRY | 218 | 20150525 | 20150922 | 5 | 48.623 | -113.763 | 2447 | -4620 | BS |
| US | SPERRY | 218 | 20150525 | 20150922 | 3 | 48.623 | -113.759 | 2447 | -4910 | BS |
| US | SPERRY | 218 | 20150525 | 20150922 | 1 | 48.625 | -113.758 | 2362 | -4330 | BS |
| US | SPERRY | 218 | 20150525 | 20150922 | 6 | 48.626 | -113.753 | 2354 | -4370 | BS |
| US | SPERRY | 218 | 20150525 | 20150922 | 2 | 48.626 | -113.755 | 2326 | -4360 | BS |
| US | WOLVERINE | 94 | 20130824 | 20140423 | AU | 60.381 | -148.918 | 623 | -1140 | BW |
| US | WOLVERINE | 94 | 20130827 | 20140422 | C | 60.420 | -148.921 | 1295 | 2110 | BW |
| US | WOLVERINE | 94 | 20130828 | 20140424 | B | 60.404 | -148.907 | 1064 | 580 | BW |

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | POINT_ID | LAT | LON | ELEV | MB | MB_CODE |
|---|---|---|---|---|---|---|---|---|---|---|
| US | WOLVERINE | 94 | 20140422 | 20140903 | C | 60.420 | -148.921 | 1295 | -1960 | BS |
| US | WOLVERINE | 94 | 20140423 | 20140905 | AU | 60.381 | -148.918 | 623 | -7720 | BS |
| US | WOLVERINE | 94 | 20140424 | 20140905 | B | 60.404 | -148.907 | 1063 | -3290 | BS |
| US | WOLVERINE | 94 | 20140903 | 40150423 | C | 60.420 | -148.921 | 1295 | 2450 | BW |
| US | WOLVERINE | 94 | 20140905 | 20150424 | B | 60.404 | -148.907 | 1063 | 1020 | BW |
| US | WOLVERINE | 94 | 20140905 | 20150425 | AU | 60.381 | -148.918 | 619 | 340 | BW |
| US | WOLVERINE | 94 | 20150423 | 20150901 | C | 60.420 | -148.921 | 1295 | -1780 | BS |
| US | WOLVERINE | 94 | 20150424 | 20150901 | B | 60.404 | -148.907 | 1063 | -3070 | BS |
| US | WOLVERINE | 94 | 20150425 | 20150902 | AU | 60.381 | -148.918 | 619 | -7100 | BS |

## APPENDIX - Table 6

CHANGES IN AREA, VOLUME AND THICKNESS FROM GEODETIC SURVEYS 2014–2015

| | |
|---|---|
| PU | Political unit, alphabetic 2-digit country code (cf. www.iso.org) |
| GLACIER NAME | Name of the glacier in capital letters, cf. Appendix Table 1 |
| WGMS ID | Key identifier of the glacier, cf. Appendix Table 1 |
| FROM | Date of the first geodetic survey, in the format YYYYMMDD* |
| TO | Date of the second geodetic survey, in the format YYYYMMDD* |
| AREA | Glacier area (in $km^2$) at the data of the second geodetic survey |
| AREA CHG | Change in area between the surveys in 1,000 square metres |
| THICKNESS CHG | Change in thickness between the surveys in millimetres |
| VOLUME CHG | Change in volume between the surveys in 1,000 cubic metres |
| INVESTIGATORS (SPONS_AGENCY) | Names of the investigators and their sponsoring agencies (cf. Section 9) |

*Unknown month or day are each replaced by „99“

| PU | GLACIER_NAME | WGMS_ID | FROM | TO | AREA | AREA_CHG | THICKNESS_CHG | VOLUME_CHG | Investigators_(SPONS_AGENCY) |
|---|---|---|---|---|---|---|---|---|---|
| **AR - Argentina** | | | | | | | | | |
| AR | BROWN SUPERIOR | 3903 | 20140424 | 20150503 | 0.18 | -7 | -2652 | -331 | Cabrera G. (IANIGLA) |
| AR | CONCONTA NORTE | 3902 | 20140423 | 20150506 | 0.07 | -8 | -3211 | -239 | Cabrera G. (IANIGLA) |
| AR | LOS AMARILLOS | 3904 | 20140305 | 20150399 | 0.78 | -72 | -1219 | -994 | Cabrera G. (IANIGLA) |
| **BO - Bolivia** | | | | | | | | | |
| BO | CHARQUINI SUR | 2667 | 20130924 | 20140826 | 0.31 | 0 | -2709 | | GREATICE Team |
| BO | CHARQUINI SUR | 2667 | 20140826 | 20150904 | 0.31 | 0 | 1939 | | GREATICE Team |
| BO | ZONGO | 1503 | 20130919 | 20140901 | 1.89 | 0 | -4493 | | GREATICE Team |
| BO | ZONGO | 1503 | 20140901 | 20150903 | 1.89 | 0 | 2598 | | GREATICE Team |
| **CA - Canada** | | | | | | | | | |
| CA | GRINNELL | 2668 | 19520821 | 20140803 | 106.30 | -25500 | -61114 | -3248227 | Papasodoro C. (U. Sherbrooke) |
| CA | TERRA NIVEA | 4534 | 20070803 | 20140820 | 146.10 | -9100 | -13885 | -2091715 | Papasodoro C. (U. Sherbrooke) |
| CA | WHITE | 0 | 19600802 | 20140710 | 38.54 | 2533 | -10911 | -434331 | Thomson L. (Uottawa/DG) |
| **CH - Switzerland** | | | | | | | | | |
| CH | OBERAAR | 451 | 20099999 | 20150806 | 3.65 | | -1160 | | Ramp A., Joerg P.C., Zemp M. (UZH) |
| **CL - Chile** | | | | | | | | | |
| CL | AMARILLO | 3905 | 20140305 | 20150399 | 0.17 | -13 | -1548 | -278 | Cabrera G. (IANIGLA) |
| **CO - Colombia** | | | | | | | | | |
| CO | CONEJERAS | 2721 | 20140101 | 20150101 | 0.20 | -517 | -4539 | | Ceballos Lievano J. (IDEAM) |
| CO | CONEJERAS | 2721 | 20150101 | 20160101 | 0.20 | -110 | -6211 | | Ceballos Lievano J. (IDEAM) |
| CO | RITACUBA BLANCO | 2763 | 20140101 | 20150101 | 0.36 | 0 | -511 | | Ceballos Lievano J. (IDEAM) |
| CO | RITACUBA BLANCO | 2763 | 20150101 | 20160101 | 0.36 | 0 | -680 | | Ceballos Lievano J. (IDEAM) |
| **IS - Iceland** | | | | | | | | | |
| IS | BRUARJOKULL | 3067 | 20101001 | 20150930 | 1528.00 | | -1832 | | Gourmelen N. (U. Edinburgh) |
| IS | DRANGAJOKULL ICE CAP | 6831 | 20101001 | 20150930 | 195.00 | | -1282 | | Gourmelen N. (U. Edinburgh) |
| IS | HOFSJOKULL ICE CAP | 6830 | 20101001 | 20150930 | 763.00 | | -3211 | | Gourmelen N. (U. Edinburgh) |
| IS | LANGJOKULL ICE CAP | 3660 | 20101001 | 20150930 | 957.00 | | -4023 | | Gourmelen N. (U. Edinburgh) |
| IS | MYRDALSJOKULL ICE CAP | 6832 | 20101001 | 20150930 | 605.00 | | -1900 | | Gourmelen N. (U. Edinburgh) |
| IS | VATNAJOKULL | 3754 | 20101001 | 20150930 | 7708.00 | | -2515 | -19385620 | Gourmelen N. (U. Edinburgh) |
| **IT - Italy** | | | | | | | | | |
| IT | CALDERONE | 1107 | 20130914 | 20140913 | 0.04 | 0 | 417 | 22268 | Massimo Pecci (Italian Glaciological Committee) |
| **NP - Nepal** | | | | | | | | | |
| NP | WEST CHANGRI NUP | 10401 | 20091028 | 20151122 | 0.89 | -70 | -7910 | | |
| **US - United States of America** | | | | | | | | | |
| US | EKLUTNA | 85 | 20100916 | 20150824 | | | -4200 | | |
| US | EKLUTNA EAST BRANCH | 6829 | 20100916 | 20150824 | | | -4100 | | |
| US | EKLUTNA WEST BRANCH | 6828 | 20100916 | 20150824 | | | -4375 | | |