

Swiss Early Instrumental Measurements

Overview

General Description

This dataset encompasses early instrumental measurement series that have been gathered and digitised in the context of the Swiss National Science Foundation project Nr. 169676 “Swiss Early Instrumental Measurements for Studying Decadal Climate Variability (CHIMES)”. General information and terms of use are indicated on the first page of each file. An overview on the individual series on ZENODO is given in the summary table of the inventory below. To find further information about all Swiss measurement series (also the ones not published on ZENODO) consider the full inventory provided separately as CSV-file.

The newest version of the dataset (v2_2020-04) contains an update of certain URLs indicated on the description (first page) of each PDF-Document. It does not contain any new measurement series compared to the original version.

Dataset Structure

Measurement series are ordered alphabetically by their names and chronologically for series at the same location. Each series has its own ID on ZENODO that is composed in the following way:

First letter – number of the observation location – number of the canton – number of the series

Filenames consist of the ID, location names, series specifications (e.g. observer) for better discrimination, the observation period and if the file does not contain subdaily data also the type of data in the file (e.g. monthly or metadata).

Example: B040403_Bern_Benoit_1847-1852_daily.pdf

ID: B040403

location: Bern

observer: Benoit

period: 1847-1852

type: daily mean values

References:

Pfister, L., Hupfer, F., Brugnara, Y., Munz, L., Villiger, L., Meyer, L., Schwander, M., Isotta, F. A., Rohr, C., and Brönnimann, S.: Early instrumental meteorological measurements in Switzerland, *Clim. Past*, 15, 1345–1361, <https://doi.org/10.5194/cp-15-1345-2019>, 2019.

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Description of the Overview Tables

ID	series ID on Zenodo
station name	name of measurement location (current names and indication of municipality) in alphabetical order
canton	abbreviation of canton name (Swiss administrative units; see below) in which series is located (today's borders).
lat [degN]	WGS84 coordinates (latitude in degrees North)
lon [degE]	WGS84 coordinates (longitude in degrees East)
alt [masl]	elevation of location in meters above sea level
observer (life data)	name(s) of observer(s) with life data. If NA: no observer found. Sometimes responsible institution is mentioned instead of observer (if name unknown)
variables	measured variables: p = pressure, T = temperature, c = clouds, wdir = wind direction, w = wind strength, Pr = precipitation, rh/h = (relative) humidity, o = ozone, Wn = weather notes, ground temp = ground temperature
resolution	resolution of measurements, usually indicated per day
start year	start year of found subdaily data
start month	start month of found subdaily data
end year	end year of found subdaily data
end month	end month of found subdaily data
found?	are subdaily data (manuscripts, copies, print) found? T = true, P = partly, F = false. If only daily/monthly/yearly means are found: FALSE
copied?:	are found subdaily data (manuscripts, copies, print) photographed? If all available sources are copied = T (true, even if not entire series is found) otherwise P = partly, F = false. E = example pictures were taken.
part not found/copied	years(month) that haven't been found or copied
source: manuscripts:	source of the manuscripts: archive name and signatures (with further information/links)
source: printed:	source of printed data: name of print source (with further information/links)
comments:	comments on measurement series, research, metadata and further information.

Abbreviations

publications

- Billwiller 1927: Billwiller, R.: *Klimatologie: Mit einem Anhang: Erdmagnetismus* von Dir. Dr. J. Maurer, Zürich (Bibliographie der schweizerischen Landeskunde, IV4), K. J. Wyss Erben, Bern, 1927.
- Pfister 1975: Pfister, C.: *Agrarkonjunktur und Witterungsverlauf im westlichen Schweizer Mittelland, 1755-1797*, Lang Druck AG, Liebefeld, Bern, 1975.

libraries/archives

ACV	cantonal archive Vaud (Archives Cantonales Vaudoises)
AGSB	monastery archive of Great St-Bernard (Archives de la Congrégation des chanoines du Grand-Saint-Bernard)
BAR	Swiss Federal Archives (Schweizerisches Bundesarchiv)
BCU Fribourg	university library of Fribourg (Bibliothèque Cantonale et Universitaire de Fribourg)
BCU Lausanne	university library of Lausanne (Bibliothèque Cantonale et Universitaire de Lausanne)
BPU Neuchatel	university library of Neuchatel (Bibliothèque Publique et Universitaire de Neuchâtel)
KA Einsiedeln	Archive of the Monastery of Einsiedeln (Klosterarchiv Einsiedeln)
KAO	cultural archive of the upper Engadine (Kulturarchiv Oberengadin)
KBAG	cantonal library Aargau (Kantonsbibliothek Aargau)
StAAG	cantonal archive Aargau (Staatsarchiv Aargau)
StAGR	cantonal archive Grisons (Staatsarchiv Graubünden)
StAZH	cantonal archive Zurich (Staatsarchiv Zürich)
Stadtarchiv SH	city archive Schaffhausen
UB Basel	University library of Basel
UB Bern	University library of Bern
Vadiana	cantonal library (Vadiana) of St. Gallen (Kantonsbibliothek St. Gallen Vadiana)
ZB Zürich	Zentralbibliothek Zurich

cantons

<i>canton</i>	<i>abbr.</i>	<i>number</i>
Aargau	AG	01
Appenzell-Innerrhoden	AI	02
Appenzell-Ausserrhoden	AR	03
Bern	BE	04
Basel-Landschaft	BL	05
Basel-Stadt	BS	06
Fribourg	FR	07
Genève	GE	08
Glarus	GL	09
Graubünden	GR	10
Jura	JU	11
Luzern	LU	12
Neuchâtel	NE	13
Nidwalden	NW	14
Obwalden	OW	15
St. Gallen	SG	16
Schaffhausen	SH	17
Solothurn	SO	18
Schwyz	SZ	19
Thurgau	TG	20
Ticino	TI	21
Uri	UR	22
Vaud	VD	23
Wallis	VS	24
Zug	ZG	25
Zürich	ZH	26

ID	station name	canton	lat [DegN]	lon [DegE]	alt [masl]	observer (life data)	variables	resolution	start year	start month	end year	end month	found?	copied?	part not found/copied	source: manuscripts	source: printed	comments
A010101	Aarau	AG	47.393	8.043	384	Heinrich Zschokke (1771-1848); Theodor Zschokke (1806-1866)	p,T,h	2-3x daily	1807	1	1865	12				SIAAG: NL.A-0197/0010/42-43 (1817-1838), NL.A-0197/0011/44-45 (1839-1859), NL.A-0197/0013/59 (1860) KBAG: AKF HF 26 (1861-1865)	Miszellen für die neueste Weltkunde Vol. 1-7 (1807-1813) Archiv der Medizin, Chirurgie und Pharmazie Bd. 1-3 1816-1817 (1814-1816)	more metadata in SIAAG: NL.A-0197/0012 (not copied) and NL.A-0197/0013 Heinrich Zschokke died in June 1848; measurements by Theodor Zschokke start in July 1848
A021001	Almens (municipality of Domleschg)	GR	46.737	9.456	787	Joh. Sutter	T,wdir,Wn	3x daily	1856	6	1860	3				BAR: E3180-01#2005/90#86*		January – May 1859 missing
A031601	Altes Bad Pfäfers (municipality of Pfäfers)	SG	46.974	9.488	688	NA	T,Wn	3x daily	1857	7	1857	9				BAR: E3180-01#2005/90#44*		communicated by Christian Enderlin (observer in Maienfeld) 1858 probably to Brügger. Enderlin might be Observer
B011001	Baldenstein (municipality of Sils im Domleschg)	GR	46.706	9.460	698	Thomas Conrad (von Baldenstein) (1784-1878)	T,Wn	5x daily	1858	5	1859	4	P	P	1848-1857, 1859-1865	BAR: E3180-01#2005/90#70* SIAGR: B 228 (not consulted)		only 1858(V)-1859(IV) found in BAR Dossier in SIAGR not consulted, but should contain rest of observations
B020401	Beatenberg	BE	46.698	7.794	1150	Rudolf Krähenbühl	p,T,h,Pr,w,wdir,Wn	3x daily	1860	7	1863	11				BAR: E3180-01#2005/90#110*		
B031001	Bergün/Bravuogn	GR	46.629	9.745	1365	Nicolai	T,wdir,Wn	3x daily	1856	11	1857	5				BAR: E3180-01#2005/90#49*		Missing: 1857 (VI-IX), 1858 (V-X)
B031002	Bergün/Bravuogn	GR	46.629	9.745	1365	Peter Justus Andeer (1814-1882)	T,wdir,Wn	3x daily	1857	10	1860	2	P	P	1859(III)-1859(XII), 1860(III)-1863	BAR: E3180-01#2005/90#48* (1857-1858)	„Jahresbericht der Naturforschenden Gesellschaft Graubünden“, vol 5 (1859-1860, Jan/Feb), „Temperature partly published in „Archiv für schweizerische Statistik“ 1860/1861	no measurements 1860(III)-1862?
B040401	Bern	BE	46.948	7.452	534	Samuel Studer (1757-1834)	p,T,wdir,Wn	3x daily	1779	12	1789	11				Burgerbibliothek Bern: Mss.h.h.XX.5.1, Mss.h.h.XX.5.2		Studer has been appointed as pastor to Büren an der Aare in 1789. He continued his observations there before returning to Berne in 1797 (see location Büren an der Aare) Daily means in BAR: E3180-01#2005/90#18*
B040401	Bern	BE	46.948	7.452	534	Samuel Studer (1757-1834)	p,T,wdir,Wn	3x daily	1797	1	1827	7				Burgerbibliothek Bern: Mss.h.h.XX.5.2-5.5		daily means in BAR: E3180-01#2005/90#18*
B040402	Bern	BE	46.947	7.451	548.3	Friedrich Trechsel (1776-1849)	p,T,h,w,wd,r,c,Wn	3x daily	1826	4	1849	9				Burgerbibliothek Bern: Mss.h.h.XXVI.12 (1826-1846), Mss.h.h.XXVI.22.4 (1826-1836, 1838)	1844-1849 printed in: „Mitteilungen der Naturforschenden Gesellschaft in Bern“	1844-1849 copied from „Mitteilungen der Naturforschenden Gesellschaft Bern“ (1847 missing). Published data: Bern 1826-1833 daily T,p,W, in: „Schweizerische Meteorologische Beobachtungen“ 4 (1867), p.297-301; Bern 1834-1845 daily T,p,W in: „Schweizerische Meteorologische Beobachtungen“ 5 (1868), p.42-515; Bern 1846-1854 daily T,p,W, in: „Schweizerische Meteorologische Beobachtungen“ 6 (1869), p.44-569 (only 1846 by Trechsel)
B040403	Bern	BE	46.948	7.452	534	Daniel Gottlieb Benoit (1780-1853)	p,T,wdir,Wn	2x daily	1837	9	1853	4				Burgerbibliothek Bern: Mss.h.h.XXII.95		Published data: Bern 1846-1854 daily T,p,W, in: „Schweizerische Meteorologische Beobachtungen“ 6 (1869), p.44-569 (1847-1852 by Benoit)
B040404	Bern	BE	46.951	7.439	550.8	Johann Rudolf Wolf (1816-1893)	p,T,w,wdir,c,Wn,Oz	7x daily	1851	5	1855	5	P	T	1848-1850	Burgerbibliothek Bern: Mss.h.h.XXII.96 (1851-1855); BAR E3180-01#2005/90#105* (1852-1855)		Only 1851- found. Published data: Bern 1846-1854 daily T,p,W, in: „Schweizerische Meteorologische Beobachtungen“ 6 (1869), p.44-569 (only 1853-1854 by Wolf); Bern 1855-1860 (Jul 1858 – Dec 1860 temperature missing) daily T,p,W, in: „Schweizerische Meteorologische Beobachtungen“ 7 (1870), p.42-565 (only 1855 Jan-Jun by Wolf and Koch, later only by Benoit); Bern 1855-1863 (Jul 1858 – Dec 1860 temperature missing) daily T,p,W, in: „Schweizerische Meteorologische Beobachtungen“ 7 (1870), p.42-565 (1855-1860 by Koch); daily means in BAR
B040405	Bern	BE	46.948	7.452	534	Johann Rudolf Koch (1832-1891)	p,T,w,wdir,Oz,Pr,c,Wn	2-4x daily	1855	12	1860	6					1855-1860 printed in: „Mitteilungen der Naturforschenden Gesellschaft in Bern“ 1856-1860	
B040406	Bern	BE	46.948	7.452	534	Johann Reinhard	p,T,w,wdir,Wn,Pr	3x daily	1860	11	1863	11	T	T		BAR: E3180-01#2005/90#95* (1860-1862),E3180-01#2005/90#114* (1863)		„Wild liess im Okt 1860 ein Psychrometer an der Nordseite in der Höhe der Gallerie anbringen, welches der Thurmwächter Reinhard ablas. Geplant, auch ein Barometer aufzustellen, alle Beobachtungen (ausser Regenmessungen) sollen ab 1861 auf dem Turm gemacht werden.“ See also www.e-periodica.ch/cntnmg?pid=mn-001;1860-;335. Published data: Bern 1855-1863 daily T,p,W, in: „Schweizerische Meteorologische Beobachtungen“ 7 (1870), p.42-565 (only 1861-1863 by Reinhard) Daily means in BAR: E3180-01#2005/90#115*
B040407	Bern	BE	46.951	7.438	554	Rudolf Theodor Simmler [Simler] (1833-1873)	T,p,w,wdir,c,Wn,Pr	3x daily	1863	6	1863	11				BAR: E3180-01#2005/90#116*		
B051001	Berrina Ospizio (municipality of Poschiavo)	GR	46.411	10.022	2305	S. Truog	T,wdir,Wn	3x daily	1857	3	1861	8				BAR: E3180-01#2005/90#91*		
B061001	Bever	GR	46.553	9.890	1708	Melchior Bovelin (1777-1842)	p,T,wdir,Wn	3x daily	1826	8	1836	7	P	P	1832(II)-1835(X) and subdaily 1832(I)-1836(VII)	Burgerbibliothek Bern: Mss.h.h.XXVI.22.5 (1826-1831); BAR: E3180-01#2005/90#21* (daily mean 1835-1836; monthly mean 1827-1831); KAO: 2.9.1992 (1832-1, maybe more, not viewed)		subdaily data: only 1826-1831 found No data for 1832(I)-1835(X) Only 1-2x daily values for 1836(XI)-1837(VII)
B061002	Bever	GR	46.553	9.890	1708	Krättli?, Bovelin?	p,T,Wn	1-3x daily	1836	9	1841	7				BAR: E3180-01#2005/90#182*		location and observer are not 100% sure. Location is not indicated in the dossier, but it's likely that Bever is correct. Locations like Gravatscha (Krawatscha) and Albuja are mentioned in the documents. Billwiler mentions J.L.Krättli as observer for this series (1836-1840), as the dossier was originally stored with Krättli's data. Although Krättli has come in the Engadine (Bever) in the early 1830s (see comments on observer below), this may not be correct, as it's not the same handwriting. Alternativly, M. Bovelin could also be the observer of this series.
B061003	Bever	GR	46.550	9.886	1714	Johann Luzius Krättli (1812-1903)	p,T,wdir,Wn	2-3x daily	1846	10	1862	12	P	T	1863	BAR: E3180-01#2005/90#42*; E3180-01#2005/90#31*; E3180-01#2005/90#65*; E3180-01#2005/90#118* SIAGR: B 565/4 (1857-II)	Temperature partly published in „Archiv für schweizerische Statistik“ 1860/1861	Only -1862 found
B071001	Blivio	GR	46.469	9.650	1780	Ulrich Schmid (died in 1875)	T,Wn,wdir,p,c,h,h	3x daily	1856	10	1864	3				BAR: E3180-01#2005/90#119*		
B080501	Böckten	BL	47.463	7.836	386	NA	p,T,Wn	1-2x daily	1846	11	1847	8				SIAGR: B IX 288.1		documents are wrongly assigned to Marthalen in archive holdings
B092601	Brütten	ZH	47.474	8.674	630	David Kitt (1718-1802)	T,wdir,Wn	2x daily	1770	7	1772	10			1772(XI)-1773	SIAGR: B IX 288.1		
B100401	Burgdorf	BE	47.057	7.628	538	Rudolf Ludwig Fankhauser (1796-1896)	p,T,Wn	3x daily	1851	5	1884	12			1854-1856	BAR: E3180-01#2005/90#171*		
C011001	Camana (municipality of Safiental)	GR	46.661	9.282	1750	Christian Wietand	T,wdir,Wn	3x daily	1859	1	1859	2				BAR: E3180-01#2005/90#43*		

C021001	Casaccia (municipality of Bregaglia)	GR	46.391	9.666	1458	Thomas Steffani	T,wdir, Wn	3x daily	1858	5	1859	6	T	T		BAR: E3180-01#2005/90#71*		
C031001	Castasegna (municipality of Bregaglia)	GR	46.333	9.517	714	Agostino (August) Garbald (1828-1909)	p,T,h,wdir, Wn	3x daily	1857	8	1863	2	P	T	1857(I-VII) 1863(III-XII)	BAR: E3180-01#2005/90#93*; E3180-01#2005/90#92*		
C041001	Castiel (municipality of Arosa)	GR	46.839	9.602	1163	Chr. Brusch (Bruesch)	T,wdir, Wn	3x daily	1857	6	1858	11	P	T	1857(VII)-1858(VI) 1858(IX-X)	BAR: E3180-01#2005/90#54*	many months missing	
C051001	Castrisch (municipality of Ilanz/Glion)	GR	46.777	9.232	721	Johann Martin Darms (1823-1907)	T,wdir, Wn	3x daily	1858	8	1862	12	T	T		BAR: E3180-01#2005/90#100*		
C061001	Cazis	GR	46.721	9.429	667	Johannes Fidelis Battaglia (1829-1913)	p,T,wdir, Wn	3-5x daily	1856	4	1856	6	T	T		BAR: E3180-01#2005/90#38*		
C071001	Chur	GR	46.849	9.532	596	Johann Rudolf von Salis-Marschlin (1756-1835)	p,T,wdir,w, Fr,Wn	1-3x daily	1785	12	1790	6	T	T	1788	SIAGR: B 335		Measurements in Chur start on Dec 9 1785 in the afternoon. Von Salis lived and had his measurements in Chur until June 10 1790. Many gaps due to travels in CH and Italy and stays in Marschlin (where he continued only with weather notes). In "Jahresbericht der Naturforschenden Gesellschaft Graubünden", Vol. 11, p. 90f: location "Chur im Spanli" mentioned; yearly min/max/means for this location start already in 1784; according to diaries in SIAGR, von Salis was measuring in Chur only from 1785.
C071002	Chur	GR	46.844	9.541	611	Johann Ulrich von Salis (Seewis) (1777-1817)	p,T,wdir,w, Wn	3-6x daily	1807	2	1816	12	P	T	Dec/Jan 1807-1815 missing	BAR: E3180-01#2005/90#199* (1816) BAR: E3180-01#2005/90#242* E3180-01#2005/90#232*; E3180-01#2005/90#229*; E3180-01#2005/90#235*; E3180-01#2005/90#243*; E3180-01#2005/90#241* (copy, probably by U.A. von Salis-Marschlin, parallel observations Marschlin/Chur 1807-1815)		Monthly data; see "Schweizerische Meteorologische Beobachtungen" 1871 (Vol. 8), p.38-91: "Jahresbericht der Naturforschenden Gesellschaft Graubünden" Vol. 6 (p.141f) and "Jahresbericht der Naturforschenden Gesellschaft Graubünden" Vol. 11. December 1816 incomplete; series ends there.
C071003	Chur	GR	46.849	9.532	596	Baroni	p,T,Wn	1-3x daily	1833	2	1836	9	P	T	1836(X)-1840	BAR: E3180-01#2005/90#242*; E3180-01#2005/90#232*; E3180-01#2005/90#229*; E3180-01#2005/90#243*; E3180-01#2005/90#241* (copy by U.A. v. Salis-Marschlin)		copy of Baroni measurements in Chur in von Salis-Marschlin observation manuscripts, incomplete. 1x daily pressure and 3x daily temperature measurements.
C071004	Chur	GR	46.849	9.532	596	J. Meyer	p,T,Tp,Wn	5x daily	1841	9	1843	3	T	T		BAR: E3180-01#2005/90#26*		
C071005	Chur	GR	46.849	9.532	596	Leonhard Herold (1819-1902)	T,Wn	3x daily	1849	12	1857	12	T	T		SIAGR: B 1520 BAR: E3180-01#2005/90#99*		NOT location "St. Salvator" --> in "Jahresbericht der Naturforschenden Gesellschaft Graubünden" 1864-65 (Bd. 11) "Freyeck" indicated as location of Herold-observations. Church "St. Salvator" (outside of city walls) --> in the 19th century only the tower was standing ("St. Salvatorenturm"), see http://doi.org/10.5169/seals-39771
C071006	Chur	GR	46.849	9.532	596	Major A. Buol	p,T,Wn	1-2x daily	1851	1	1865	12	T	P	1866-1880	SIAGR: B 1113 (part 1&2)		
C071007	Chur	GR	46.849	9.532	596	NA	p,T,wdir,Wn	2x daily	1854	9	1856	5	P	P		individual months BAR: E3180-01#2005/90#99*		Copy from "Bündner Tagblatt" by C. Brügger; observer has to be checked with "Bündner Tagblatt"; probably not Herold, maybe Moosmann?
C071008	Chur	GR	46.849	9.524	588	Christian Gregor Brügger (1833-1899)	p,T,wdir,hre /habs,Wn	3x daily	1856	11	1858	7	T	T		individual months BAR: E3180-01#2005/90#99*		Mean values published in "Jahresbericht der Naturforschenden Gesellschaft Graubünden" 1864: https://www.e-periodica.ch/digbib/view?pid=ogg-002:1864:11#182 ; Church "St. Salvator" (outside of city walls) --> in the 19th century only the tower was standing ("St. Salvatorenturm"), see http://doi.org/10.5169/seals-39771
C071009	Chur	GR	46.849	9.532	596	Dr. Moosmann	p,T,wdir, Wn	2x daily	1857	2	1857	2	P	P		BAR: E3180-01#2005/90#99*		more data exist ("Jahresbericht der Naturforschenden Gesellschaft Graubünden", vol. 12, p.36) Moosmann maybe observer published in "Bündner Tagblatt" the years before?
C071010	Chur	GR	46.850	9.530	593	Wehrli	p,T,Wn	3x daily	1858	1	1861	12	P	P	1857, 1862-1863	SIAGR: B 1520	Temperature partly published in "Archiv für schweizerische Statistik" 1860/1861	
C071011	Chur	GR	46.848	9.529	594	NA	T,wdir, Wn	3x daily	1858	1	1858	7	T	T		individual months BAR: E3180-01#2005/90#99*		Incomplete. Manuscripts or Copies found together with St. Salvator (Brügger).
C071012	Chur	GR	46.854	9.530	585	Hieronimus von Salis(-Soglio) (1815-1895)	p,T,wdir, Wn	3x daily	1858	11	1860	12	T	T		SIAGR: B 1971		
C071013	Chur	GR	46.849	9.532	596	Eduard Killias (1829-1891)	p,T,h,w,wdi /w,Wn	3x daily	1862	1	1864	12	T	T		SIAGR: B 1520, BAR: E3180-01#2005/90#113* (1862-1863, 1x daily)		for January 16 and July 15 1963; hourly observations in SIAGR B 1520
C071014	Chur	GR	46.845	9.500	578	Peter Thomas Steffani	T,wdir, Wn	3x daily	1858	2	1859	2	T	T		BAR: E3180-01#2005/90#76*		in "Jahresbericht der Naturforschenden Gesellschaft Graubünden" 1863-64 (Bd. 10): observer in Plankis 1858/59 = Verwalter P. Th. Steffani; in "Jahresbericht der Naturforschenden Gesellschaft Graubünden" 1866-67 (Bd. 12): observer in Casaccia 1859 = Pfarrer Thom. Steffani
C071015	Chur	GR	46.846	9.544	866	Joseph Anton Nigg	T	3x daily	1857	1	1858	8	T	T		BAR: E3180-01#2005/90#52*		
C081001	Churwalden	GR	46.790	9.530	1218	Thomas Augustin; from May 1857: Engelhard Brügger	T,p,wdir, Wn	3x daily	1856	4	1863	12	P	P	1859-1862	BAR: E3180-01#2005/90#106*		
C091001	Cresta (municipality of Avers)	GR	46.473	9.512	1961	Melchior Gyger; Susette [Susette] Gyger	T,wdir, Wn	3x daily	1856	5	1859	3	T	T		BAR: E3180-01#2005/90#58*		
C101001	Cunter (municipality of Sursee)	GR	46.609	9.592	1183	Franciscus Antonius Laim	T,wdir, Wn	3x daily	1856	12	1859	2	T	T	1858(II-III)	BAR: E3180-01#2005/90#49*		
D011101	Delémont	JU	47.365	7.343	432	François-Joseph Helg (1743-1839)	p,T,wdir,Wn	3x daily	1801	12	1832	12	T	T		BAR: E3180-01#2005/90#205*		Published data: Delsberg 1802-1806 daily T,p,W, in: "Schweizerische Meteorologische Beobachtungen" 6 (1869), p.512-617; Delsberg 1807-1818 (Jun-Dec 1806, Jul-Dec 1815 missing) daily T,p,W, in: "Schweizerische Meteorologische Beobachtungen" 7 (1870), p.46-205; Delsberg 1822-1825 daily T,p,W, in: "Schweizerische Meteorologische Beobachtungen" 7 (1870), p.354-361; Delsberg 1829-1832 daily T,p,W, in: "Schweizerische Meteorologische Beobachtungen" 7 (1870), p.460-513.; Daily mean values in BAR: E3180-01#2005/90#20*
D022601	Dielsdorf	ZH	47.484	8.453	454	Schoch	p,T,wdir,Wn	1-6x daily	1834	1	1849	6	P	T	1849(VII)-1863	BAR: E3180-01#2005/90#104*		daily mean 1852-1853 (only pressure) in BAR: E3180-01#2005/90#104* Observer name indicated in metadata
D032601	Dinhard	ZH	47.555	8.777	430	Nötzli (1770-1865)	p,T,Wn	3x daily	1791	1	1794	12	P	T	1792-1793	StAZH: B IX 287.2		more information and data in StAZH: B IX 287.1 (not copied); measurements probably 1790-1796
D041001	Disentis/Mustér	GR	46.706	8.855	1150	Augustin Condrau (1837-1842); Prof. Klinghardt (1842-1843)	T,wdir,Wn, p	2-3x daily	1837	1	1843	10	T	T		BAR: E3180-01#2005/90#57*		
D041002	Disentis/Mustér	GR	46.707	8.856	1159	Basil Carigiet	T,wdir,Wn, p	3x daily	1858	8	1859	4	T	T		BAR: E3180-01#2005/90#57*		in "General-Uebersicht des gesamt. Materials" (Brügger, SIAGR: B 565/9) two locations indicated for Disentis: No. 51: Disentis I Kloster (monastery); No. 52: Disentis II Dorf (village)

E011901	Einsiedeln	SZ	47.127	8.752	906	Bernhard Foresti (1774-1851), Plus Regli (1792-1852), Raphael Kuhn (1826-1909)	p,T,rh,Wn,wd,r	2-9x daily	1817	4	1864	12	T		KA Einsiedeln: KAE, A.39/5-14		Incomplete, often just qualitative descriptions. More regular measurements started only in 1834. Maybe more data exists. P. Bernhard Foresti wrote down observations from 1817 to 1850. P. Plus Regli made observations from 1859 to 1864. (see klosterarchiv.ch); Published data: Einsiedeln 1818-1842 (1829 missing) monthly Wn (rain days), in: "Schweizerische Meteorologische Beobachtungen" 3 (1866), p.52; Einsiedeln 1834-1842 monthly T, in: "Schweizerische Meteorologische Beobachtungen" 3 (1866), p.53; Einsiedeln 1834-1842 daily Tmin, Tmax, in: "Schweizerische Meteorologische Beobachtungen" 3 (1866), p.53
E022601	Ellikon an der Thur	ZH	47.562	8.825	407	Hans Kaspar Egg (1764-1846)	T,Wn	3x daily	1831	1	1840	6	T		BAR: E3180-01#2005/90#23"		
E030401	Eriswil	BE	47.082	7.848	738	Karl Ludwig Gerster (1822-1883)	p,T,w,wd,r,r,h,Pr,Wn	3x daily	1863	5	1864	3	T	T	BAR: E3180-01#2005/90#121"		
F010401	Faulhorn (municipality of Grindelwald)	BE	46.675	8.000	2675	Peter Bohren	p,T,Pr,Wn	3x daily	1860	9	1860	10	T		BAR: E3180-01#2005/90#90"		
F021001	Feldis/Veudlen (municipality of Domleschg)	GR	46.794	9.432	1470	Detta Coray [Coraj] (born Lanicca)	T,wdir, Wn	3x daily	1856	4	1859	6	T		BAR: E3180-01#2005/90#69"		
F031001	Flerden	GR	46.703	9.409	1230	At the beginning: Joh. Peter Finschi (1800-1870), in "Jahresbericht der Naturforschenden Gesellschaft Graubünden"; Fri. C. F., probably Christina Finschi, wife of Joh. Peter Finschi (1800-1870), pastor	T,wdir, Wn	3x daily	1856	6	1857	2	T		BAR: E3180-01#2005/90#40"		C.F. measured from March 1858 in Urmein
F041001	Fllms	GR	46.837	9.284	1088	NA	T,wdir, Wn	3x daily	1859	2	1859	4	T		BAR: E3180-01#2005/90#81"		copy ("Abschrift")
F051301	Fontaines (municipality of Val-de-Ruz)	NE	47.044	6.901	767	Bernard de Gélieu (born in 1798)	p,T,p,T,wdir,Wn	3x daily	1843	5	1862	9	T		BPU Neuchatel: MSA 780		summary published in "Bulletin de la Société Neuchâteloise des Sciences Naturelles"
F062001	Frauenfeld	TG	47.556	8.898	417	NA	T	2x daily	1846	3	1846	12	P	T	BAR: E3180-01#2005/90#162" (morning temperatures 1846)		only morning temperatures 1846 found. More data probably exist.
F070701	Fribourg/Freiburg	FR	46.807	7.158	627	Jean Baptiste Wiere/Wiere (1793-1850)	p,T,rh,w,wd,r,Pr,Wn	2-3x daily	1829	1	1847	9	P	T	1823-1828 BCU Fribourg; ms. L. 834 (1823-1828); ACV: PP 11007/9 (1829/1) (former BCU Lausanne; IS 3693 IV 1)		Only Jan. 1829-1847 found/copied. Cover reveals a stamp "Musée cantonal d'histoire naturelle, Fribourg (Suisse)". Museum has been asked if they hold the first Volume; they have no inventory of their book holdings and therefore couldn't find it. Vol. 1 (1823-1828) might be in museum of natural history or art and history, in the archives of the college Saint-Michel or in the Charles de Raemy estate at BCU Fribourg (see comments on observer)
G010301	Gais	AR	47.363	9.454	920	Jac. Kern	p,T,wdir,Wn	3x daily	1861	1	1897	8	T	T	BAR: E3180-01#2005/90#234"; E3180-01#2005/90#253"		
G020401	Gottstatt (municipality of Orpund)	BE	47.138	7.313	436	Rudolf Ludwig Fankhauser (1796-1886)	p,T,Wn	2-3x daily	1841	1	1847	2	T		BAR: E3180-01#2005/90#171"		
G040401	Grimsel Hospiz (municipality of Guttannen)	BE	46.572	8.333	1880	Mrs. Frutiger, Johannes Frutiger; in winter a servant	p,T,wdir,Pr,Wn	3x daily	1860	8	1861	9	T		BAR: E3180-01#2005/90#111"		
G040402	Grimsel Hospiz (municipality of Guttannen)	BE	46.572	8.333	1880	Melchior Imdorf, Heinrich Ott	p,T,wdir,Pr,Wn	3x daily	1863	11	1863	12	T		BAR: E3180-01#2005/90#111"		
G051001	Grono	GR	46.247	9.145	342	Amedeo Tognola	T,wdir, Wn	3x daily	1858	7	1859	2	T		BAR: E3180-01#2005/90#72"		
H010301	Herisau	AR	47.385	9.279	770	Johann Ludwig Merz (1772-1851)	p,T	3x daily	1821	10	1831	6	P	T	1832-1841 BAR: E3180-01#2005/90#203"; E3180-01#2005/90#179"		according to HLS: 1827-1841 meteorological observations (in BAR only available -1831). Contains also individual observations in Gais (1826) and Egelshofen (1827).
H010302	Herisau	AR	47.385	9.279	770	Johann Jakob Nef (1784-1855)	p,T,wdir,Pr,c	3x daily	1822	1	1844	12	T		BAR: E3180-01#2005/90#204"; E3180-01#2005/90#206"; E3180-01#2005/90#212"		1842 is missing. Monthly data in BAR: E3180-01#2005/90#211"
H021001	Hinterrein	GR	46.531	9.199	1620	Dom. Riz a Porta (Rizaporta) (1825-1909)	T,wdir, Wn	3x daily	1856	1	1859	1	P	P	1859(II)-1860 BAR: E3180-01#2005/90#60"		
J011001	Jullerpass/Pass dal Güglia (municipality of Sursee) or Ospizio La Veduta (municipality of Sursee)	GR	46.470	9.720	2242	G. Gianiel. R. v. Albertini	T,wdir,Wn	3x daily	1857	2	1863	12	T		BAR: E3180-01#2005/90#108"		
K011001	Klosters Platz (municipality of Klosters-Serneus)	GR	46.871	9.882	1205	Joh. Jakob Rieder	T,wdir, Wn	3x daily	1859	3	1862	12	P	P	1857-1859(II), 1863 BAR: E3180-01#2005/90#101"		Only 1859-1862 found // according to an archive list from the 1920s (BAR: E3180-01#2005/90#2) not more available. More information in "Jahresbericht der Naturforschenden Gesellschaft Graubünden"
K021601	Krummenau (municipality of Nesslau)	SG	47.247	9.173	721	Johann Daniel Rothmund (1802-1879)	p,T,Wn	2-3x daily	1843	3	1864	12	T		BAR: E3180-01#2005/90#222" (1843-1853); E3180-01#2005/90#230" (1854-1864)		p. graphic exact, T is written as integers, 1843(III)-1864
K031001	Küblis	GR	46.914	9.777	814	Joh. Wilhelm (1825-1878)	T,wdir, Wn	3x daily	1857	3	1859	2	P	P	1856-1857(II) BAR: E3180-01#2005/90#66"		
K042601	Küsnacht	ZH	47.317	8.584	423	NA	p,T,Wn	3x daily	1829	7	1832	11	T		E3180-01#2005/90#33"		subdaily data for 1829 and 1832 (individual months) Uncertain if same series as Küsnacht 1852-1856
K042602	Küsnacht	ZH	47.310	8.580	420	various: measurements initiated by Zollinger	p,T,wdir,w,Pr,c,Wn	5x daily	1852	1	1856	10	T	T	BAR: E3180-01#2005/90#30" (1852-1853); E3180-01#2005/90#33" (graphic); E3180-01#2005/90#36" (1853-1856)		
L011301	La Brévine	NE	46.980	6.607	1043	Ministre Willeumier?	p,T	3x daily	1758	1	1759	8	P	T	Bürgerbibliothek Bern: GA Oek.Ges.99/22 (1758); BPU Neuchatel: MSA 164 (copy of 1758-1759, only temperature)		Pfister C. 1975. Agrarkonjunktur und Witterungsverlauf im westlichen Schweizer Mittelland, 1755-1797. Lang Druck AG: Liebefeld/Bern, p.23; Moula (observer in Neuchatel) has sent his observations together with observations in La Brévine to "Ökonomische Gesellschaft Bern" (for 1859). Moula gave instruments to the pastor in La Brévine: For 1759 data: only temperature found, not original manuscript
L021001	Laax	GR	46.805	9.257	1018	[Fri.] Regina de Mont	T,wdir, Wn	3x daily	1859	6	1860	5	T		BAR: E3180-01#2005/90#89"		
L031001	Lantsch/Lenz	GR	46.683	9.564	1308	J. Fr. Capeder	p,T,wdir,Wn	3x daily	1858	12	1859	2	T		BAR: E3180-01#2005/90#73"		
L041001	Latsch (municipality of Bergün/Bravuogn)	GR	46.634	9.752	1588	Johann Candrian (1815-1862)	T,wdir, Wn	3x daily	1856	11	1859	2	T		BAR: E3180-01#2005/90#69"		
L052301	Lausanne	VD	46.522	6.635	514	NA	p,T,wdir,Wn	3x daily	1808	2	1809	12	T		BAR: E3180-01#2005/90#14"		no observer name found
L052302	Lausanne	VD	46.522	6.635	514	Jules Marguet (1817-1888)	p,T,rh,wdir,Wn	1-4x daily	1854	2	1864	12	P	T	1848-1854(II); 1865-1872 ACV: P Mercanton (Paul-Louis) 110	Temperature partly published in "Archiv für schweizerische Statistik" 1860/1861	Location 1848/1849: "cabinet de physique Lausanne" (academy); Location from 1854: "Ecole spéciale de Lausanne" (founded 1853 according to HLS) start of series is uncertain; Published data: monthly mean 1855-1858: http://www.e-periodica.ch/digbib/view?var=true&pid=bav-001:1858-1861:5:635#f161 ; monthly mean 1848(II)-1849(III) in "Bulletins des séances de la Société Vaudoise des Sciences Naturelles" vol. 3. https://www.biodiversitylibrary.org/item/40293#page/37/mode/tup

L052303	Lausanne	VD	46.522	6.635	514	see comments on observers	p.T,c,w,wid r,Wn	4x daily	1855	8	1858	3	T	T		ACV: K XIII 130/3		
L061701	Lohn	SH	47.756	8.671	638	Alexander Beck (1814-1899)	T,w,Wn	1-2x daily	1848	2	1863	9	T	T		BAR: E3180-01#2005/90#223* (1848-1863); E3180-01#2005/90#224* (1848-1854/1857)	Individual measurements in diary, incomplete	
L071001	Lukmanier/Passo del Lucomagno (municipality of Medel (Lucmagn))	GR	46.563	8.801	1916	Wirtz	T,wdir, Wn	3x daily	1858	12	1859	2	T	T		BAR: E3180-01#2005/90#74*		
L081201	Luzern	LU	47.052	8.306	439	Franz Xaver Schwytzer (1812-1893)	p.T,Wn,wdir r	2x daily	1844	1	1876	6	T	T		BAR: E3180-01#2005/90#130*	Includes lake water level.	
L081202	Luzern	LU	47.052	8.306	439	Ernst Grossbach (1803-1878)	p.T	2x daily	1860	9	1861	12	T	T		BAR: E3180-01#2005/90#325*	name of observer is also written as "Grosbach"	
M011001	Maiefeld	GR	47.008	9.531	522	Christian Enderlin (1818-1892)	T,wdir, Wn	3x daily	1858	1	1858	12	P	P	1859-1877	BAR: E3180-01#2005/90#55*	only 1858 found; rest should be in BAR	
M021001	Malans	GR	46.982	9.575	565	Johann Georg Monsch (died in 1862)	T,wdir, Wn	3x daily	1858	6	1859	2	T	T		BAR: E3180-01#2005/90#75*		
M031001	Malix (municipality of Churwalden)	GR	46.814	9.531	1161	Friedrich Conradin	T,Wn	3x daily	1857	1	1858	12	T	T		BAR: E3180-01#2005/90#50*		
M041001	Marschlin (municipality of Landquart)	GR	46.960	9.580	562	Johann Rudolf von Salis-Marschlin (1756-1835)	p.T,wdir, Wn	1-3x daily	1781	1	1785	12	T	T		SIAGR: B 335	Measurements start only in 1782, before that only weather notes. At the beginning irregular measurements, partly also in other locations (Zizers (Zizers) or Castion). Only individual weather notes, but no measurements in Marschlin 1786-1789. Von Salis lived and had his instruments in Chur Dec 1785 – Jun 1790. During his stays in Marschlin he noted qualitative meteorological information, as he had no instruments there. The Marschlin series was continued, when Von Salis moved back to Marschlin in 1790. Bachelor- and Master-thesis: Markus Grimmer: "Die Witterungsaufzeichnungen von Johann Rudolf von Salis-Marschlin zu den Jahren 1781-1801"	
M041002	Marschlin (municipality of Landquart)	GR	46.960	9.580	562	Johann Rudolf von Salis-Marschlin (1756-1835)	p.T,wdir,w, Pr,Wn	3x daily	1790	6	1825	9	P	P	not found: Dec/Jan 1823-1825; not copied: Dec/Jan 1801-1822	SIAGR: B 335 (1781-1822, copied only until 1800); BAR: E3180-01#2005/90#242*; E3180-01#2005/90#232*; E3180-01#2005/90#229*; E3180-01#2005/90#235*; E3180-01#2005/90#241* (copy, probably by U.A. von Salis-Marschlin, starting in 1800, sorted by month)	Volumes December/January had been in archive of MeteoSwiss (archive list around 1920: BAR E3180-01#2005/90#2*), but are apparently lost. Diaries only until 1822 found: "Jahresbericht der Naturforschenden Gesellschaft Graubünden", Vol. 11, p.90ff. Location change 1801?: 1790-1801: "Schloss", from 1801: "Schlossli" descriptions in: "Der neue Sammler: ein gemeinnütziges Archiv für Bünden" (E-periodica)	
M041003	Marschlin (municipality of Landquart)	GR	46.960	9.580	562	Karl Ulysses von Salis-Marschlin (1760-1818)	p.T,Wn	3x daily	1816	1	1816	6	T	T		SIAGR: B 669/4	Location probably Schloss Marschlin. No indications are made in the document. more data might be available	
M041004	Marschlin (municipality of Landquart)	GR	46.960	9.580	562	Ulysses Adalbert von Salis-Marschlin (1795-1896)	p.T,wdir,w, c,Wn	3x daily	1839	2	1885	7	P	T	Dec/Jan not found	BAR: E3180-01#2005/90#242*; E3180-01#2005/90#232*; E3180-01#2005/90#229*; E3180-01#2005/90#235*; E3180-01#2005/90#243*; E3180-01#2005/90#241*; E3180-01#2005/90#193*	Volumes December/January had been in archive of MeteoSwiss (archive list around 1920: BAR E3180-01#2005/90#2*), but are apparently lost.	
M052601	Marthalen	ZH	47.625	8.648	395	Johann Jakob	p.T,Wn	2x daily	1771	4	1781	12	T	T		SIAGH: B IX 288.1, B IX 288.2 (copy of 1771)		
M061001	Masein	GR	46.705	9.427	871	Ernst Rieger	T,wdir, Wn	2x daily	1856	3	1856	5	T	F		BAR: E3180-01#2005/90#39*		
M072301	Morges	VD	46.501	6.488	383	Charles Dufour (1827-1902), Frédéric Burnier (1818-1879) Jean-Alexandre-Marc Yersin (1825-1863)	p.T,rh,Wn, wdir,w,c,Pr	3x daily	1849	11	1854	11	T	T		BAR: E3180-01#2005/90#28*	Burnier, Dufour, Yersin: "Observations météorologiques faites à Morges" (e.g. BCU Lausanne: B 2136)	Metadata: https://books.google.ch/books?id=B_KUAAAQAAJ&hl
M080901	Mürtschenalp (municipality of Glarus Nord)	GL	47.071	9.173	1624	Heinrich Julius Tröger	p.T,Wn	4x daily	1855	1	1860	12	P	P	1861	BAR: E3180-01#2005/90#85*	From 4x daily T,p-observations only morning temperature (9 am) found Published data: Mürtschenalp 1855-1860 (Jan 1855, Dec 1856, 1857 (Jan, May-Oct, Dec), Feb, Jul-Dec 1858, Apr, Jun-Sep, Dec 1859 missing) daily T,p,W, in: "Schweizerische Meteorologische Beobachtungen" 3 (1866), p.442-503. Archives in Glarus have not been consulted	
N011301	Neuchâtel	NE	46.991	6.930	434	Laurent Garcin (1683-1752)	p.T,wdir,W n	2x daily	1734	1	1735	12	T	T			"Mercure Suisse", volumes 1734-1735; (e.g. in UB Bem: MUE H XVIII 11)	more data exist (measurements are continued according to "Mercure suisse" 1736)
N011302	Neuchâtel	NE	46.991	6.930	434	Frédéric Moula (1703-1782)	p.T,wdir,W n	3x daily	1753	1	1782	12	T	T	1753-1756	BPU Neuchatel: MsA 164	Incomplete. No dossiers for Garcin found in BPU Neuchatel	
N021001	Nufenen	GR	46.540	9.245	1580	Johann Friedrich Felix (died in 1850)	p.T,wdir,W n	3x daily	1834	12	1850	3	P	T	1847-1849	BAR: E3180-01#2005/90#28*	Years 1847-1849 missing	
O012301	Duchy (municipality of Lausanne)	VD	46.507	6.627	375	Henri Delessert-Will	p.T	3x daily	1824	1	1824	3	P	T	1824(IV)-1828	ACV: PP 110079 /1824/1-3, noon measurements) (former BCU Lausanne: IS 3693 IV 1)	Only noon measurements 1824/1-3 found Monthly data 1826: "Feuille du Canton de Vaud", Nr. 170 https://books.google.ch/books?id=UjraJ3l-M4C&dq=editions:0AFLRE72Bk20bEroKfYBYZ-WMvaQ3VY6vXXMp15BD447WspVrDKjxy8Wfp5urh9kzUwBD&hl=de Metadata: https://www.biodiversitylibrary.org/item/39552#page/289/mode/1up	
P011001	Pargan (municipality of Churwalden)	GR	46.761	9.558	1499	NA	T,wdir, Wn	4x daily	1860	11	1860	12	T	T		BAR: E3180-01#2005/90#49*	BAR: same dossier as Cunter	
P021001	Passo del S. Bernardino (municipality of Mesocco)	GR	46.496	9.171	2066	Martin Bellig	T,wdir, Wn	3x daily	1856	3	1858	6	P	P	1854-1856(II); 1858(VII)-1862	BAR: E3180-01#2005/90#46*	1856-1858 found	
P031001	Peist (municipality of Arosa)	GR	46.833	9.674	1338	Johann Friedrich Felix	T,wdir, Wn	3x daily	1858	2	1859	2	P	P	1857, 1858 (II-X)	BAR: E3180-01#2005/90#51*	Only 1857-1858 found // in "Jahresbericht der Naturforschenden Gesellschaft Graubünden" 1864-65 (Bd. 11) observer in Peist indicated as "Fr. Felix", 1857-58.	
P041001	Pitasch (municipality of Ilanz/Glion)	GR	46.731	9.217	1056	Luzius [Lucius] Candrian	T,wdir, Wn	3x daily	1856	7	1859	3	P	P	1859 (IV)-1862	BAR: E3180-01#2005/90#61*	Only 1856-1859 found // according to archive list from the 1920s (BAR: E3180-01#2005/90#2*) not more data available	
P051001	Platta (municipality of Medel (Lucmagn))	GR	46.660	8.850	1383	Nicolaus [Nikolaus] Huonder (died in 1875)	T,wdir,Wn	3x daily	1858	12	1864	12	T	T		BAR: E3180-01#2005/90#120*; E3180-01#2005/90#117*		
P061001	Pontresina	GR	46.490	9.906	1826	Lelly	T, Wn	3x daily	1856	7	1858	1	T	T		BAR: E3180-01#2005/90#62*		

P061002	Pontresina	GR	46.490	9.910	1825	L. Enderlin	T,Wn	3x daily	1858	7	1859	3	P	P	1858(V-V)	BAR: E3180-01#2005/90#62*	"Schweizerische Meteorologische Beobachtungen", vol. 3 (1866), p. 328: 1858 (VII-IX)	Incomplete. In "Jahresbericht der Naturforschenden Gesellschaft Graubünden" (vol. 12): Lelly and Enderlin indicated as observers. Maybe more measurements from Enderlin available?
R011001	Reichenau (municipality of Tamis)	GR	46.820	9.410	597	J. Weiz/ Adolf von Planta (Reichenau) (1820-1895)	T,wdir,Wn	3x daily	1857	3	1863	10	T	T	1858(X)-1860(I)	BAR: E3180-01#2005/90#109*		
R021001	Rongellen	GR	46.674	9.443	1002	La Malta [Lamalta]	T,wdir,Wn	3x daily	1856	5	1857	8	T	T		BAR: E3180-01#2005/90#41*		
R032301	Rossinlière	VD	46.467	7.082	920	Henchoz (II), nephew of pasteur Henchoz (I) from the OekGes Bern-series (from 1834 on)	p,T,P,r,Wn	3x daily	1806	1	1806	1	P	P	1792-1804; 1805(II)-1850	ACV; PP 1100/61 (former BCU Lausanne; IS 3693 II c (1808/1))		according to Charles Dufour 1799-1850, only some month of 1828 and 1829 missing. "Mr Henchoz-DeLoës [...] a bien voulu me confier leurs manuscrits" (Dufour C. 1854-1856. Résumé des observations météorologiques faites à Rossinières par Mm. Henchoz, de 1799 à 1850. "Bulleins des séances de la Société Vaudoise des Sciences", 4: 366-379) Summary and metadata: http://doi.org/10.5169/seals-284058
R041001	Rothenbrunnen	GR	46.770	9.427	619	NA	T,wdir,Wn	3x daily	1859	3	1859	3	T	T		BAR: E3180-01#2005/90#77*		
S000401	Saanen	BE	46.490	7.260	1025	Albert von Rütte (1825-1903)	p,T,w,wdir,Pr,h,Wn	2-4x daily	1855	12	1862	2	T	T		Burgerbibliothek Bern: Mss.h.h.XX.4 [1855-1860(VIII)] BAR: E3180-01#2005/90#99*; E3180-01#2005/90#103* [1860(XI)-1862(III)]; E3180-01#2005/90#127* (daily mean 1860-)	"Mitteilungen der Naturforschenden Gesellschaft Bern", multiple volumes (1855(XII)-1860(VII)) https://www.e-periodica.ch/digbib/volist?sessionid=3F18C66F6792718D005A8E15F3D4F0BA7UID=mnh-001&id=home&id2=browse4	
S010401	Saint-Imier	BE	47.153	7.000	810	Jean-Pierre Déglon	p,T,w,wdir,Pr,h,Wn	3x daily	1861	12	1863	12	T	T		BAR: E3180-01#2005/90#112*		
S021001	Samedan	GR	46.534	9.871	1723	Bernhard	T,Wn	3x daily	1857	1	1857	2	T	T		SIAGR: B 565/4		Brügger crossed Samedan off his station list from 1857
S032101	S. Gottardo (municipality of Airolo)	TI	46.555	8.568	2093	Joseph da Sessa	p,Wn	1-2x daily	1728	10	1731	1	T	T		ZB Zürich: Ms Z VIII 25 (subdaily observations pressure 1728_10-12, p.153-156 and 1730-1731(I))	Subdaily data published in: "Miscellanea physico-medico-mathematica", vol. 3+4 (1729/1-1730/6)	Observations might be in "Archivio di Stato del Cantone Ticino" (cantonal archive Ticino), FPC26: Giovanni Ferri (as Ferri published a summary of the data) Daily observations in BAR: E3180-01#2005/90#169*
S041001	Savognin (municipality of Surses)	GR	46.597	9.598	1210	[Fräulein] D. v. P.	T,wdir,Wn	3x daily	1857	1	1860	4	T	T		BAR: E3180-01#2005/90#67*		
S051701	Schaffhausen	SH	47.696	8.639	400	Johann Christoph Schalch (1716-1846)	p,T,r,h,wdir,Wn	3-4x daily	1794	1	1845	10	T	T		BAR: E3180-01#2005/90#195*; E3180-01#2005/90#198*; E3180-01#2005/90#201*; E3180-01#2005/90#208*; E3180-01#2005/90#221* (1833-1852) BAR: E3180-01#2005/90#231* (1856-1867)		Daily mean values in BAR: E3180-01#2005/90#214* Monthly mean values in BAR: E3180-01#2005/90#217*
S051702	Schaffhausen	SH	47.697	8.636	396	Johann Jacob Schelling (1792-1867)	T,wdir,Wn	1-3x daily	1833	11	1867	11	T	T		BAR: E3180-01#2005/90#221* (1833-1852) BAR: E3180-01#2005/90#231* (1856-1867)		1833-1840 (approx): weather notes and single wind direction and temperature indications; more regular temperature measurements start in December 1840 and are made usually 2x daily from the mid-1840s. No measurements found for 1850(II)-1851(XI) and 1852(VII)-1856(III) (probably none exist for these periods)
S061001	S-chanf	GR	46.612	9.983	1660	Joh. Tramèr (died in 1893)	T,wdir,Wn	3x daily	1856	11	1858	4	P	P	1857(II)-1858(III); 1858(V)-1867	BAR: E3180-01#2005/90#161*		Only 1856-1858 found (incomplete) // according to archive list from the 1920s (BAR: E3180-01#2005/90#2*) not more available
S071001	Schiers	GR	46.970	9.688	665	Johann Jacob Lutz	T,wdir,Wn	3x daily	1857	1	1859	2	P	P	1856	BAR: E3180-01#2005/90#68*		
S081001	Sedrun (municipality of Tujetsch)	GR	46.680	8.775	1401	Joseph Anton Durgial (born in 1812)	T,wdir,Wn	3x daily	1858	8	1858	8	T	T		BAR: E3180-01#2005/90#139*		
S091001	Sils/Segi Maria (municipality of Sils im Engiadina/Segi)	GR	46.431	9.765	1802	Johann Caviezel (1826-1892)	p,T,r,h,wdir,Wn	3x daily	1856	8	1863	9	T	T		BAR: E3180-01#2005/90#107*		Incomplete from 1859; Starting in September 1863, new instruments and measuring technique was introduced according to the Swiss "Meteorologische Kommission"
S101001	Soglio (municipality of Bregaglia)	GR	46.341	9.539	1091	Thomas Steffani	T,wdir,Wn	3x daily	1861	1	1861	6	T	T		BAR: E3180-01#2005/90#97*		
S111801	Solothurn	SO	47.208	7.537	434	Franz Joseph Hugl (1791-1855)	p,T,r,h,w,wdir,r,Wn	3x daily	1826	3	1839	12	P	T	1823-1826(II); 1831(V)-1838(XII)	Burgerbibliothek Bern: Mss.h.h.XXVI.22.10 (1826/3-1831/4) BAR: E3180-01#2005/90#22* (1839, graphic)		Only 1826-1831 (p,T,r,h,w,wdir,Wn) found and 1839 (p,T,wdir,Wn) as graphic illustration. More data might be available Archives in Olten/Solothurn have not been consulted True coordinates should be in historical city maps of Solothurn ("Bürgerarchiv Solothurn")
S121001	Splügen	GR	46.554	9.324	1461	G. Crottogini	T,Wn	3x daily	1853	12	1856	12	P	P	1857-1862	BAR: E3180-01#2005/90#37*		uncertain if Crottogini is observer over the whole time; most probably, no data were gathered 1857-1859(VI); see "Jahresbericht der Naturforschenden Gesellschaft Graubünden" (vol 6, p. 124ff); dossier contains summary measurements from Splügen-Berghaus 1853-1854 (Crottogini?, Camastral?)
S131001	St. Antonien (municipality of Luzern)	GR	46.970	9.820	1447	Tschumpert?	T,wdir,Wn	3x daily	1859	5	1859	6	T	T		BAR: E3180-01#2005/90#83*		
S141601	St. Gallen	SG	47.425	9.379	676	Daniel Meyer (1778-1864)	p,T,wdir,Wn	2-3x daily	1812	5	1832	12	T	T		Vadiana: VadSlg Ms S 7 (1812-1832); Vadiana: VadSlg Ms S 180 (printed); Burgerbibliothek Bern: Mss.h.h.XXVI.22.12 (copy 1827-1832)		according to "Verhandlungen der Allgemeinen Schweizerischen Gesellschaft für die Gesanten Naturwissenschaften" 1864 (Bd 48) Meyer only measured until 1826
S141602	St. Gallen	SG	47.425	9.377	673	Naturforschende Gesellschaft St. Gallen (observer?)	p,T,r,h,wdir,Wn	3-4x daily	1833	1	1853	6	T	T		Vadiana: VadSlg Ms S 7 (1833-1837); Ms S 7a (1838-1853); VadSlg Ms S 180 (printed)		measurements were coordinated by the "Naturforschende Gesellschaft St. Gallen" (natural sciences society St. Gallen), but observer name(s) and location are not specified.
S141603	St. Gallen	SG	47.425	9.377	673	unknown (probably multiple observers)	p,T,r,h,wdir,Wn	3x daily	1857	1	1858	4	P	P	1859-1863	Vadiana: VadSlg Ms S 7 (1857-1858 printed); Vadiana: VZS 110 (Neues Tagblatt 1857/1858)		Measurements found only until 1858 (published in "Neues Tagblatt")
S151001	St. Moritz-Bad (municipality of St. Moritz)	GR	46.483	9.834	1768	Peter Candrian (died ca. 1888)	T,p,Tp,wdir,Wn	3x daily	1856	7	1868	9	T	T		SIAGR: B 565/4		Incomplete. Only Summer months (June-September). Monthly and yearly means in SIAGR: B 236
S161001	Stampa (municipality of Bregaglia)	GR	46.343	9.591	995	Johann Jakob Salis von Soglio (1821-1902)	T,wdir,Wn	3x daily	1858	5	1859	2	T	T		BAR: E3180-01#2005/90#78*		
T010101	Tegerfelden	AG	47.559	8.285	364	Heinrich Comellus Sutermeister (1792-1855)	T,wdir,Wn,c	3x daily	1843	1	1853	12	T	T	1844	BAR: E3180-01#2005/90#32*		
T021001	Tenna (municipality of Safiental)	GR	46.747	9.339	1643	NA	T,Wn	3x daily	1859	1	1859	1	T	T	1859(II)	BAR: E3180-01#2005/90#82*		dossier in BAR is wrongly labeled as "Senna"
T031001	Thuisis	GR	46.695	9.439	729	Otto Paul Casparis (1812-1867)	p,T,wdir,Wn	2-15x daily	1856	2	1859	2	T	T		BAR: E3180-01#2005/90#122*		
T041001	Tiefencastel (municipality of Albula/Alvra)	GR	46.862	9.576	867	Luzius Brügger (1821-1903)	T,wdir,Wn	3x daily	1856	7	1858	5	P	T	1856(VIII-XI)	BAR: E3180-01#2005/90#47*		
T051001	Trin	GR	46.828	9.361	869	Ulrich Theodor Schmid	T,wdir,Wn	3x daily	1858	2	1858	5	T	T		BAR: E3180-01#2005/90#56*		
T061001	Tschappina	GR	46.687	9.372	1578	[Fr.] C.F. probably Christina Finschi, wife of Joh. Peter Finschi (1800-1870), pastor	T,wdir,Wn	3x daily	1857	9	1858	5	T	T		BAR: E3180-01#2005/90#53*		Joh. Peter Finschi: pastor (1834-1840, 1843-1849, 1857-1870 in Tschappina)

U012601	Uetliberg Uto Kulm (municipality of Stallikon)	ZH	47.350	8.491	870	Friedrich Beyel (died in 1866)	p.T.,Tp,wdir (>1846)	4x daily	1841	8	1863	11	P	T	1844-1845	StAZH: B IX 300.2 (1841-1855), B IX 300.3 (summary tables, not copied), B IX 300.4 (1856-1861), B IX 300.5 (1862-1863)	daily means 1837-1852 in StAZH: B IX 300.1 (not copied) https://suche.staatsarchiv.djktzh.ch/detail.aspx?ID=229624 ; Published data: Uetliberg 1853-1863 daily T,p,W in: "Schweizerische Meteorologische Beobachtungen" 4 (1867), p.396-503; Uetliberg 1846-1867 Monthly (lm) T, p, pmin, pmax, in: "Schweizerische Meteorologische Beobachtungen" 5 (1868), p.145, 197.	
U022601	Uhwiiesen	ZH	47.671	8.633	448	C. Corradi	T,Wn	2x daily	1852	1	1855	12	T			BAR: E3180-01#2005/90#34"	indication in manuscript: "Winterthur"; Location is more likely to be Uhwiiesen (Uhwiiesen)	
U031001	Urmein	GR	46.692	9.401	1262	[Fr.] C.F. probably Christina Finschi, wife of Joh. Peter Finschi (1800-1870), pastor	T,wdir, Wn	3x daily	1857	3	1857	8	T			BAR: E3180-01#2005/90#45"	data from July/August 1857 eventually made in Tschappina; C.F from September 1857 observer in Tschappina, Joh. Peter Finschi: Pfarrer (1834-1840, 1843-1849, 1857-1870 in Tschappina)	
U040401	Utzenstorf	BE	47.127	7.557	474	Rudolf Ludwig Fankhauser (1796-1886)	p,T,Wn	2-3x daily	1834	1	1840	12	T			BAR: E3180-01#2005/90#171"		
V011001	Valendas (municipality of Safertal)	GR	46.788	9.282	832	Math. Pitschi (died in 1875)	T,wdir, Wn	3x daily	1858	8	1859	3	P	P	1859 (IV)-1862	BAR: E3180-01#2005/90#79"		
V021001	Vals	GR	46.618	9.181	1251	Paul Pruvo (pastor)?	T,wdir, Wn	2-3x daily	1858	10	1859	4	T			BAR: E3180-01#2005/90#80"		
V032301	Vevey	VD	46.460	6.844	378	Nicod-Delon (Nicod de Lom)	p,T,wdir,rh, Wn	2x daily	1805	12	1840	8	T			BAR: E3180-01#2005/90#196"; E3180-01#2005/90#200"; E3180-01#2005/90#202"; E3180-01#2005/90#210"		
W011001	Waltensburg/Vuorz	GR	46.777	9.117	1009	Detta Coray (Corai) (born Lanicca)	T,wdir, Wn	3x daily	1859	8	1861	9	T			BAR: E3180-01#2005/90#94"	Coray was measuring in Feldis before	
W020401	Wasen im Emmental (municipality of Sumiswald)	BE	47.043	7.797	758	J. Kohler	p,T,w,Wdir, Wn	2-3x daily	1860	9	1862	12	T			BAR: E3180-01#2005/90#102"	more data might exist	
W032001	Weinfelden	TG	47.568	9.110	432	Hafter	p,T,Wn	1-3x daily	1824	10	1862	1	T			BAR: E3180-01#2005/90#207"; E3180-01#2005/90#209"; E3180-01#2005/90#213"; E3180-01#2005/90#216"; E3180-01#2005/90#218"; E3180-01#2005/90#219"; E3180-01#2005/90#220"; E3180-01#2005/90#225"; E3180-01#2005/90#226"; E3180-01#2005/90#227"	individual measurements start in 1829, more regular (2x daily) in the early 1830s	
W041801	Weissenstein (municipality of Oberdorf)	SO	47.252	7.509	1282	Lustenberger	p,T,Wn	3x daily	1860	9	1862	5	T			BAR: E3180-01#2005/90#98"		
W052601	Wetzikon	ZH	47.326	8.798	544	Hug	T,Wn	3x daily	1854	1	1855	4	T			BAR: E3180-01#2005/90#35"	More data exist. metadata: letter from Th. Hug 1862. He sent some pages from a meteorological diary of his grandfather in Wetzikon to Professor (Wolf?). His grandfather has measured probably starting in 1828, but Hug didn't find more volumes of the weather diaries. "Aufzeichnungen, welche mein Grossvater während seiner Amtsführung in Wetzikon gemacht hat"	
W062601	Winterthur	ZH	47.499	8.729	443	J. J. Biedermann	p,T,wdir,Wn	1-3x daily	1775	1	1776	12	P	T	7/1775-4/1776	StAZH: B IX 289.2		
W062602	Winterthur	ZH	47.496	8.730	470	NA	p,T	4x daily	1808	7	1816	4	T			StAZH: B IX 257	StAZH: B IX 257 part 2: "Baromètre et thermomètre observés au Buhel près de Winterthur, juillet 1808 - avril 1816"; no observer name found; maybe R. Nötzli?	
W062603	Winterthur	ZH	47.499	8.729	443	Furrer	p,T,h,dir,Wn	3x daily	1857	11	1867	2	P	T	1849-1857(X)	StAZH: B IX 290.3 (1857-1860), B IX 290.4 (1860-1867)	Only 1857-1867 found More data from Winterthur in StAZH B IX 290: https://suche.staatsarchiv.djktzh.ch/detail.aspx?ID=229597 https://suche.staatsarchiv.djktzh.ch/detail.aspx?ID=229598 Published data: Winterthur 1858-1860 daily T, p, W, in: "Schweizerische Meteorologische Beobachtungen" 7 (1870), p.566-617; Winterthur 1862-1863 (most of Nov and Dec 1863 missing) daily T,p,W, in: "Schweizerische Meteorologische Beobachtungen" 8 (1871), p.466-469 in "Archives Cantonales Vaudoises" only one sheet with observations from January 1829 found; probably more data available	
Y012301	Yverdon-les-Bains	VD	46.778	6.642	434	NA	p,T,rh,Pr,w dir,Wn	3x daily	1829	1	1829	1	T			ACV: PP 110079 (1829/1) (former BCU Lausanne: IS 3693 IV 1)		
Z011001	Zillis (municipality of Zillis-Reischen)	GR	46.634	9.442	933	Beat Liver (died in 1864)	p,T,wdir, Wn	3x daily	1856	5	1859	10	P	T	1856 (VI-VII) 1858 (XI), 1859 (III)	BAR: E3180-01#2005/90#83"		
Z022501	Zug	ZG	47.166	8.515	424	Michael Müller?	T	2x daily	1843	6	1873	12	T			BAR: E3180-01#2005/90#128"	Dossier in BAR: copy of temperature 2x daily; probably more data exist. Bieler A. 1959. Die Anfänge der Naturforschung im Zugerland. Zuger Neujahrsblatt: 3-19 (p.15) indicates Michael Müller (1813-1851) as observer 1844-1851. According to Bieler 1959, also pressure was measured. Data 1844-1851 were analysed by Prof. F[riedrich] Müller and his students.	
Z030602	Zürich	ZH	47.376	8.551	456	Johann Conrad Meyer (1715-1788)	p,T,wdir,Wn	1x daily, 1761-1762 4x daily	1759	6	1765	3	P	T		see comments	StAZH: Daily data (1759-1765); B IX 282.1, B IX 298.6 Subdaily data (1761-1762); probably B IX 280.1-2	Data 1759-1865 (1762 missing) have only daily resolution According to StAZH: data in B IX 280.1-2 (observations meteorologicae figurinae 1761-1762) are probably also from Meyer. https://suche.staatsarchiv.djktzh.ch/detail.aspx?ID=229546 https://suche.staatsarchiv.djktzh.ch/detail.aspx?ID=229547
Z032601	Zürich and/or Rötli bei Zürich (municipality of Wipkingen)	ZH	47.399	8.531	470	Johann Jakob Ott (1715-1769)	p,T,wdir,Wn, ground temp	1-5x daily	1756	7	1769	5	T			StAZH: B IX 279.1-279.3	partly ground temperature (e.g. StAZH: B IX 279.4, not photographed). Location details: Tugri (Zürich) or "auf meinem Landgut bei Zürich" According to Maurer 1917, Ott measured at both locations.	
Z032603	Zürich	ZH	47.372	8.544	418	Hans Caspar Hirzel (1725-1803)	p,T,wdir,Wn	1-3x daily	1759	7	1802	9	P	T	1759 (VIII)-1760 (XII), 1763-1766, 1796-1782	StAZH: B IX 278.1 (1759, 1767-1785, 1793-1802 (only T), monthly data 1791-1794) B IX 278.2 (1761-1762) B IX 278.4 (1761(L-VII))	not sure if B IX 278.4 is actually from Hirzel, although listed as Hirzel in unit of description. Published data: Zürich 1761-1762 (Apr 1762 missing) daily T,p,W, in: "Schweizerische Meteorologische Beobachtungen" 9 (1872), p.388-361	
Z032604	Zürich	ZH	47.372	8.544	418	Daniel von Muralt (1728-1793)	p,T,wdir,Wn	3x daily	1760	1	1769	12	P	T	1770-1793	StAZH: B IX 281.1 (graphic, subdaily 1760-1769, many months missing); B IX 281.2 (daily mean)	1760-1679 graphic, 1760-1796 (January to May) daily mean	
Z032605	Zürich	ZH	47.372	8.544	418	Feer	p,T,rh,wdir, Wn	3x daily	1807	1	1827	12	T		1818, 1826	StAZH: B IX 258, B IX 259, B IX 260, B IX 261, B IX 262		
Z032606	Zürich	ZH	47.370	8.538	410	Johann Kaspar Horner (1774-1834)	p,T,rh,wdir, Wn	3x - 10x daily	1812	2	1835	8	P	T	1816, 1818, 1822, 1824, 1826	StAZH: (not sorted, partly incomplete) B IX 308.1 (1813-1835), B IX 310.2 (1812-1832), B IX 310.7 (1812-1821), B IX 310.10 (1831-1834); Burgerbibliothek Bern: Mss.h.XXVI.22.1 (1827/1-1831/8)	Only 1812-1821, 1823, 1825, 1827, 1829, 1830-1835 (all in StAZH), 1827-1831 (Burgerbibliothek Bern) found. "Schweizerische Meteorologische Beobachtungen" 6 (1869), p.141: Horner's observations stop at beginning of July 1834 ("Mit Anfang Juli [1834] brechen Horners Beobachtungen ab.") Published data: Zürich 1830-1839 (Jul to Dec 1833, Jul to Dec 1834) daily T,p,W, in: "Schweizerische Meteorologische Beobachtungen" 3 (1866), p.274-684 (only until Jun 1834 by Horner, afterwards by Ulrich)	
Z032607	Zürich	ZH	47.372	8.544	418	H. Weiss	p,T,Wn	1x-6x daily	1823	12	1824	6	P	T	1824(VII)-1835	StAZH: B IX 308.3 (1823-1824)	location indicated in manuscript	

Z032608	Zürich	ZH	47.372	8.544	418	Rudolf Heinrich Hofmeister	p.T.dir	1834-1838 up to 10x daily 1840-1841 every day, 4x daily	1834	9	1849	12	T	P	Measurements: 1839, 1842-1849; graphic data	StAZH: B IX 303.1 (graphic 1837-1846), B IX 303.2 (measurements 1834, 1840-1841, graphic 1834-1836), B IX 303.3 (graphic 1849), B IX 304 (measurements 1835-1837) B IX 261 (measurements 1838)		Data 1847-1848 missing; only measurements 1834(X)-1837 and 1840-1841 copied Unit of description of B IX 304 mentions Ulrich as observer; handwriting however corresponds to Hofmeister Unit of description of B IX 261 mentions Feer as observer; handwriting corresponds to Hofmeister Graphic data 1834-1846, 1849 not copied
Z032609	Zürich	ZH	47.370	8.474	420	Naturforschende Gesellschaft Zürich; Observer: Melchior Ulrich (1802-1893)	p.T.rh.Pr.c. wdir,Wn	4x daily	1836	1	1842	10	T	T	StAZH: B IX 298.1 (1836)	Printed in Bibliothèque universelle de Genève (1836), from 1837 on as "Meteorologische Beobachtungen angestellt auf Veranstaltung der naturforschenden Gesellschaft Zürich"	observations continue at "Kantonsschule". According to Maurer 1917 measurements by Ulrich in Zurich from 1828 should exist. Published data: Zürich 1830-1839 (Jul to Dec 1834, whole 1835 missing) daily T.p.W. in: "Schweizerische Meteorologische Beobachtungen" 3 (1866), p.274-684 (from 1835 on by Ulrich); Zürich 1840-1852 daily T.p.W. in: "Schweizerische Meteorologische Beobachtungen" 4 (1867), p.42-353 (until 1842 by Ulrich, afterwards at "Kantonsschule")	
Z032610	Zürich	ZH	47.372	8.544	418	U. Hornig/Honig/Horner	T.wdir,Wn	4x daily	1851	10	1852	5	T	T	StAZH: B IX 310.9		Greiner (as indicated by StAZH) is not the observer, but the instrument maker Name of observer is hard to read (Honig/Honig/Horner?)	
Z032611	Zürich	ZH	47.371	8.534	420	Christian Gregor Brügger (1833-1899)	p.T.wdir,Wn	1-3x daily	1860	7	1866	4	T	T	StAGR B 1087		very incomplete	