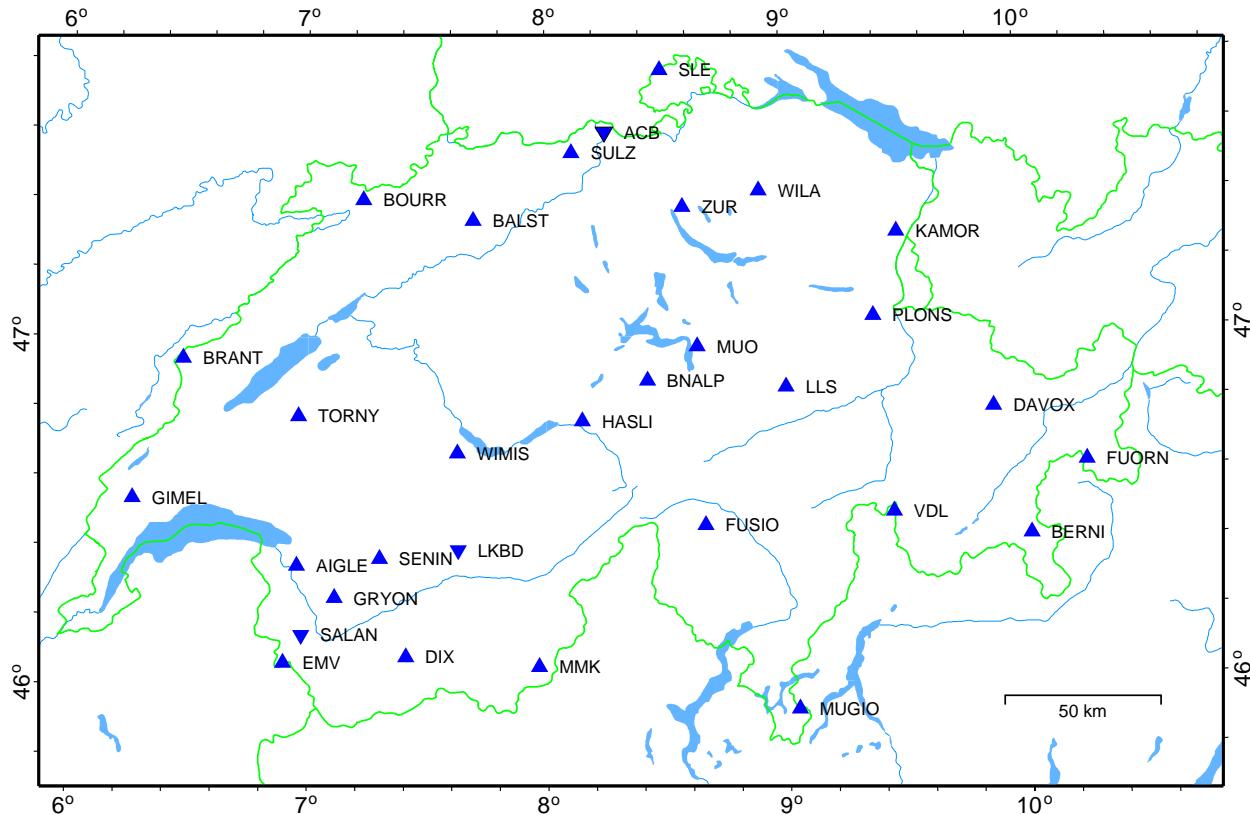


Status report for the Swiss seismic network CHNet, 2003/06/19

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During the past year, 2002, the Swiss digital seismic network has not change much. Two additional broadband stations were installed, one (BRANT) in the Jura mountains, close to the French border and one in Valais (GRYON) to resolve better the hypocenter parameters of earthquakes in this area. The network consists now of 28 broadband stations equipped with STS2 seismometers and 3 short period stations with LE3D5 sensors (see map). In addition, the Swiss seismological service operates a strong motion network of approximately 60 accelerometers.



The data acquisition system by Nanometrics stores continuous data for the BB and SP stations in a ring buffer of 10 days at a sample rate of 120 Hz. At the data centre, we archive all continuous data at the original sampling rate since August 1999. While all data can be requested through AutoDRM by e-mail (autodrm@seismo.ifg.ethz.ch), some of the stations are available on request through SeedLink in real time at a sampling rate of 40 Hz. The current customers of these real-time data streams are the ORFEUS data center, the Austrian NDC ZAMG and the Italian NDC.

Event detection is performed on the NAQS systems. Events are processed automatically for location, magnitudes and moment tensor determinations.

Swiss Digital Seismograph Network:

Name	Latitude	Longitude	Elev	Equipment
ACB	47.58755	8.25434	470	LE3D5, Nanometrics, 120Hz
AIGLE	46.34280	6.95470	800	STS-2, Nanometrics, 120Hz
BALST	47.33578	7.69498	910	STS-2, Nanometrics, 120Hz
BERNI	46.41340	10.02310	2310	STS-2, Nanometrics, 120Hz
BNALP	46.87190	8.42610	1540	STS-2, Nanometrics, 120Hz
BOURR	47.39500	7.23130	860	STS-2, Nanometrics, 120Hz
BRANT	46.93806	6.47294	1145	STS-2, Nanometrics, 120Hz
DAVOX	46.78056	9.87966	1830	STS-2, Nanometrics, 120Hz
DIX	46.08130	7.40910	2410	STS-2, Nanometrics, 120Hz
EMV	46.06440	6.89970	2210	STS-2, Nanometrics, 120Hz
FUORN	46.62022	10.26352	2330	STS-2, Nanometrics, 120Hz
FUSIO	46.45490	8.66310	1480	STS-2, Nanometrics, 120Hz
GIMEL	46.53480	6.26590	1130	STS-2, Nanometrics, 120Hz
GRYON	46.25053	7.11106	1300	STS-2, Nanometrics, 120Hz
HASLI	46.75680	8.15110	1280	STS-2, Nanometrics, 120Hz
KAMOR	47.28960	9.48750	1730	STS-2, Nanometrics, 120Hz
LKBD	46.38830	7.62810	1550	LE3D5, Nanometrics, 120Hz
LLS	46.84830	9.00930	1740	STS-2, Nanometrics, 120Hz
MMK	46.05190	7.96510	2210	STS-2, Nanometrics, 120Hz
MUGIO	45.92186	9.0416	830	STS-2, Nanometrics, 120Hz
MUO	46.96910	8.63820	1920	STS-2, Nanometrics, 120Hz
PLONS	47.04921	9.3807	1020	STS-2, Nanometrics, 120Hz
SALAN	46.14410	6.97300	1885	LE3D5, Nanometrics, 120Hz
SENIN	46.36335	7.29930	2035	STS-2, Nanometrics, 120Hz
SLE	47.76450	8.49236	590	STS-2, Nanometrics, 120Hz
SULZ	47.52880	8.11280	670	STS-2, Nanometrics, 120Hz
TORNY	46.77365	6.95862	760	STS-2, Nanometrics, 120Hz
VDL	46.48450	9.45080	1930	STS-2, Nanometrics, 120Hz
WILA	47.41465	8.90753	910	STS-2, Nanometrics, 120Hz
WIMIS	46.66630	7.62520	770	STS-2, Nanometrics, 120Hz
ZUR	47.37050	8.58200	615	STS-2, Nanometrics, 120Hz