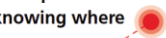




Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Office of Topography swisstopo

wissen wohin
savoir où
sapere dove
knowing where



National Report of Switzerland to EUREF 2017 Symposium

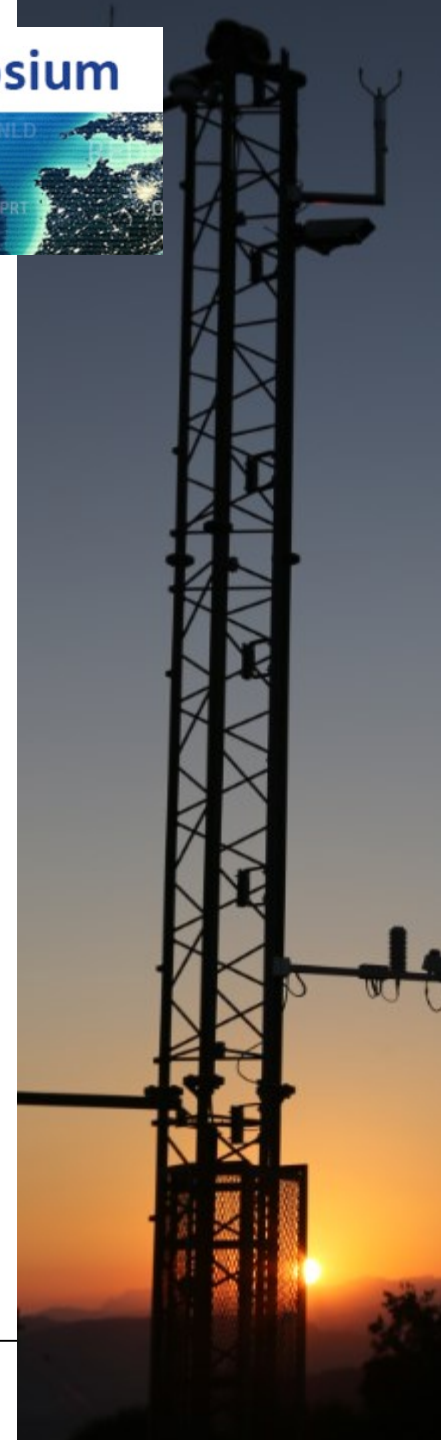
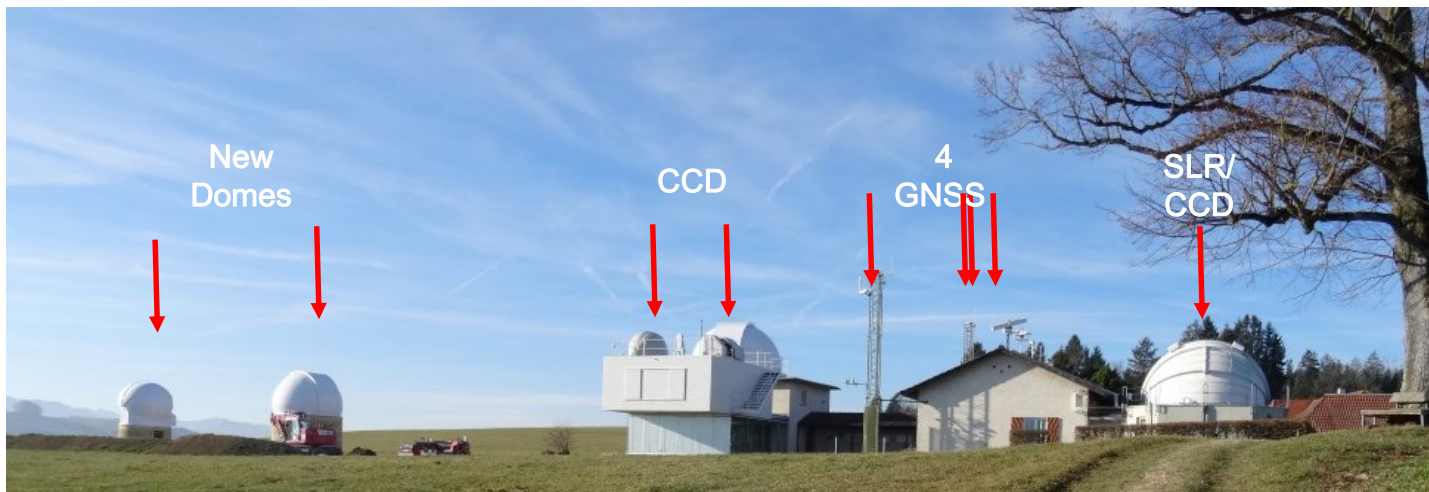
E. Brockmann et al.



Zimmerwald



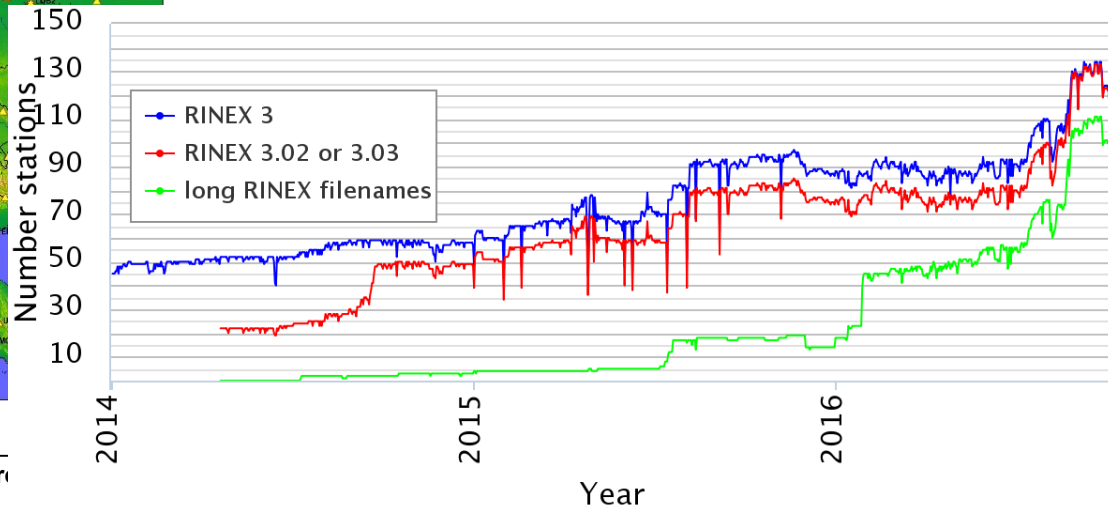
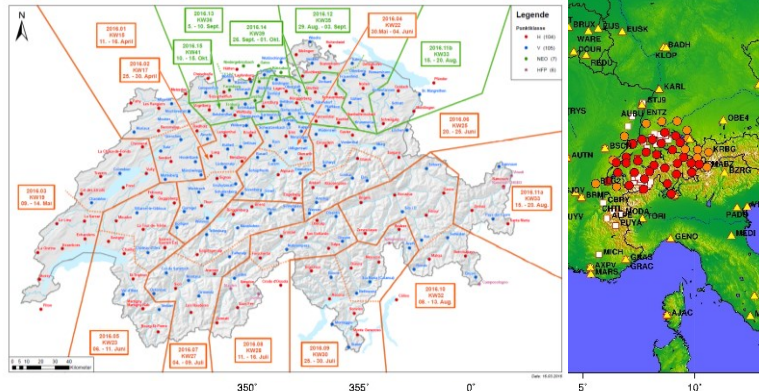
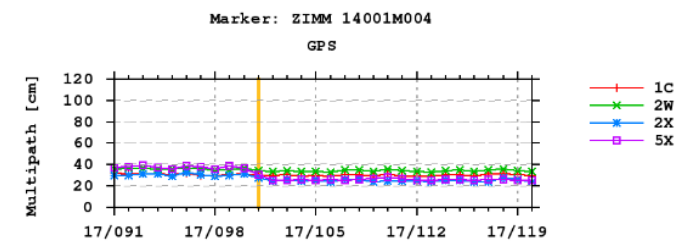
- 4 GNSS stations (ZIMM, ZIM2, ZIM3, ZIMJ) actively delivering data to IGS/EPN
- SLR with several outages (laser problems)
- Absolute gravity measurements continued
- 2 new domes (for space debris / CCD)





Multi-GNSS

- Ongoing RINEX-3 monitoring (anubis+bnc) and feedbacks to manufacturers
- Multi-GNSS processing operational (based on BSW53; GPS+GLO+GAL+BDS since Mid 2016)
 - Campaign (200 passive stations observed + analysed)
 - Permanent network AGNES + EPN

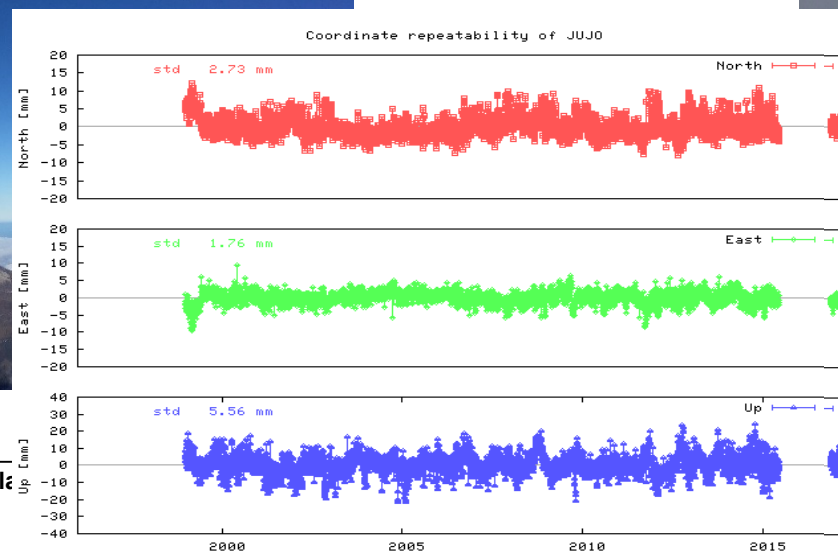
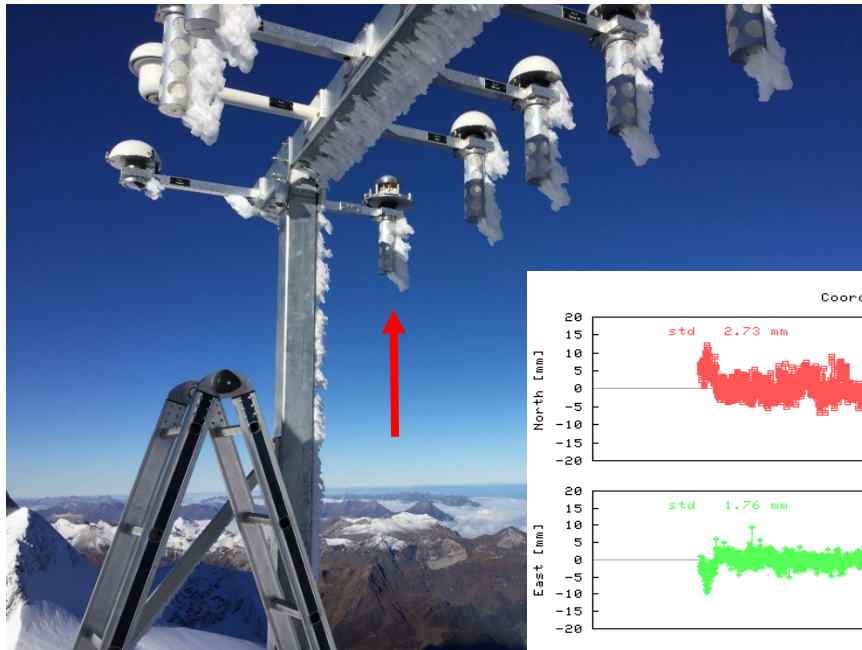




Jungfrauoch new antenna (3600 m above sea level)



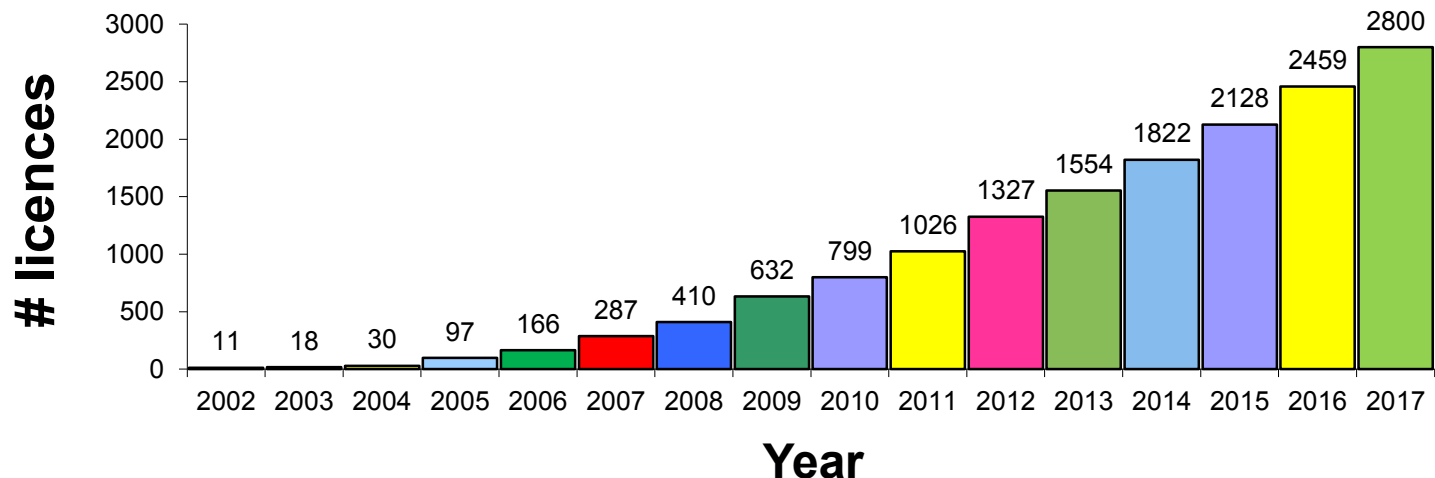
- New antenna / radom pair capable to track Multi-GNSS
- Antenna was individually calibrated in Feb 2016
- After several failures - installation Oct 2016 successfull





Positioning service swipos

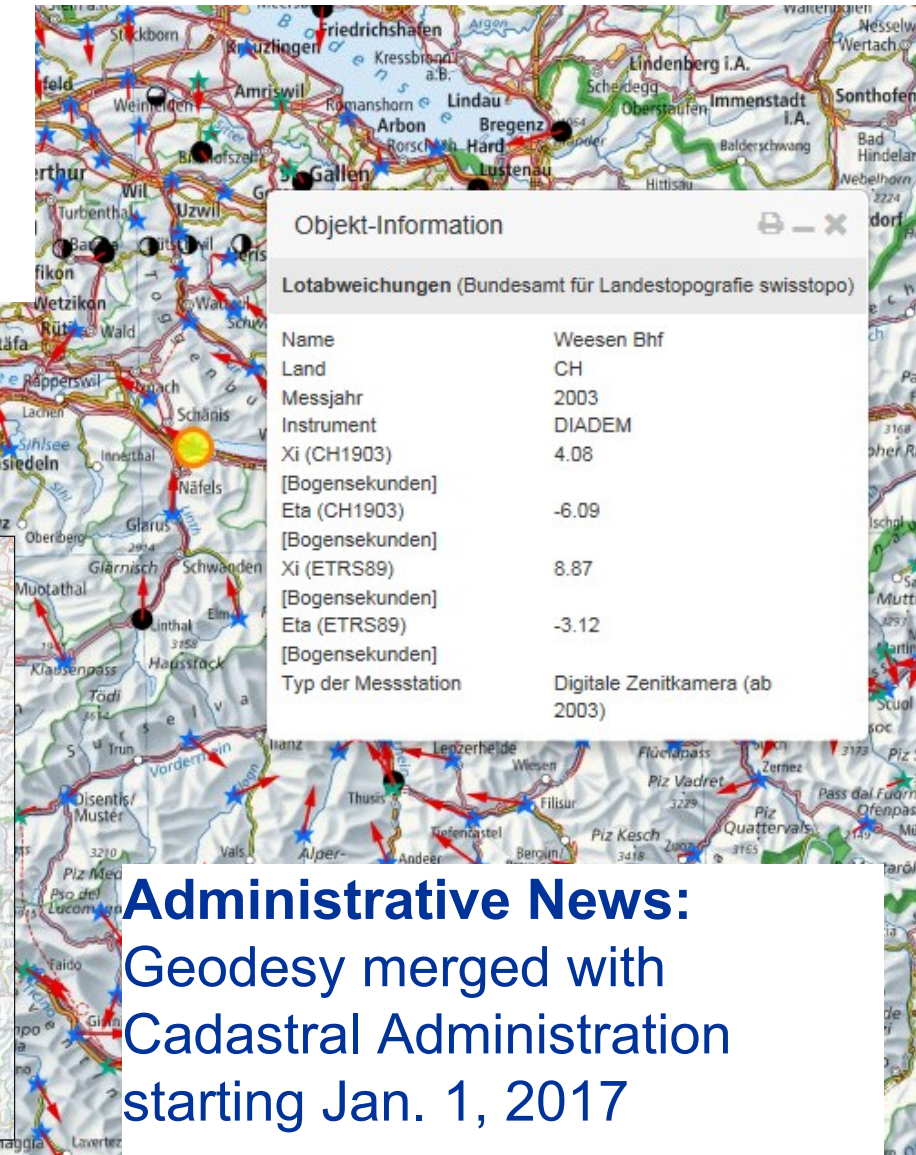
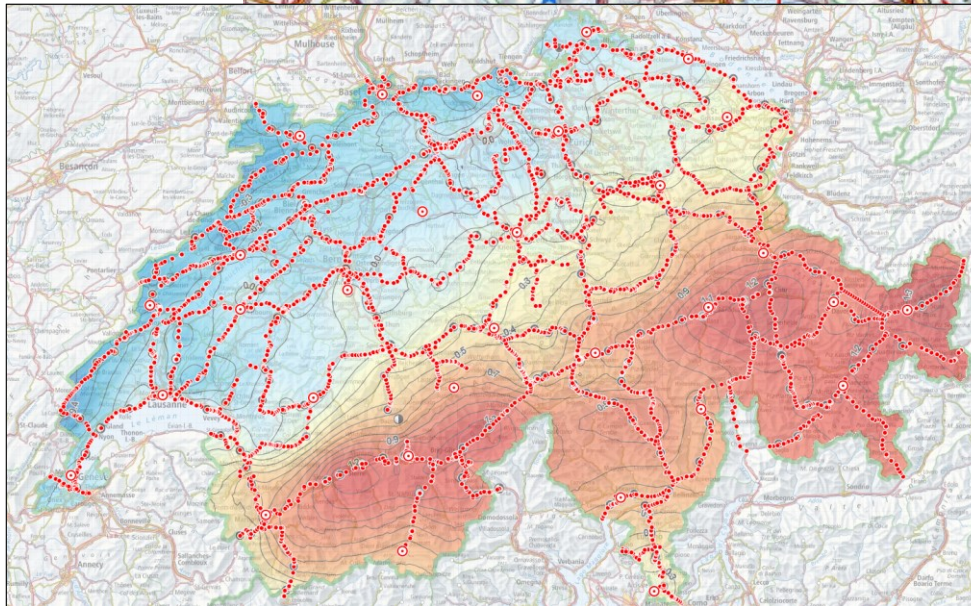
- Trimble Pivot Platform (TPP)
 - Version 3.8.3 since June 2016
 - 3D tropo modelling test not yet successful
 - Version 3.10 (RTXNet; Multi-GNSS) in testing test mountpoints for RTCM 3.2 MSM
- Number of users still increasing





Geodetic data on map.geo.admin.ch

- Deflection of the vertical
- HTRANS (Diff. old-new height system)
- Vertical velocities levelling



Administrative News:
Geodesy merged with
Cadastral Administration
starting Jan. 1, 2017