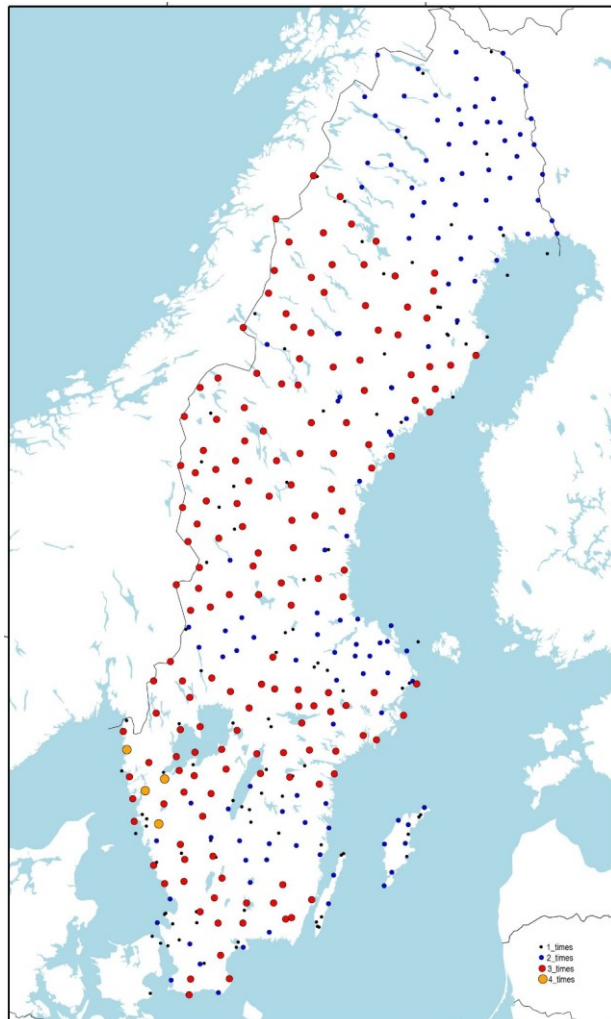




MAINTENANCE OF THE NATIONAL REALIZATION OF ETRS 89 IN SWEDEN: RE-ANALYSIS OF 20 YEARS' GPS DATA FOR SWEREF POINTS

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- SWEREF 99 is defined on the SWEPOS fundamental stations (+ fundamental stations in Fi, No, Dk)
- 300 passive consolidation/SWEREF-points for control and backup, re-measured every 6 years
- 2x24 h, chokering antennas
- Analyzed data from 1996-2017:
 - Original Bernese
 - Repro Bernese
 - Repro GAMIT
- for a single 2x24 h determination:
 $\sigma_N = 2 \text{ mm}$, $\sigma_E = 2 \text{ mm}$, $\sigma_U = 6 \text{ mm}$
- Trend analysis for points with at least 3 measurements

