

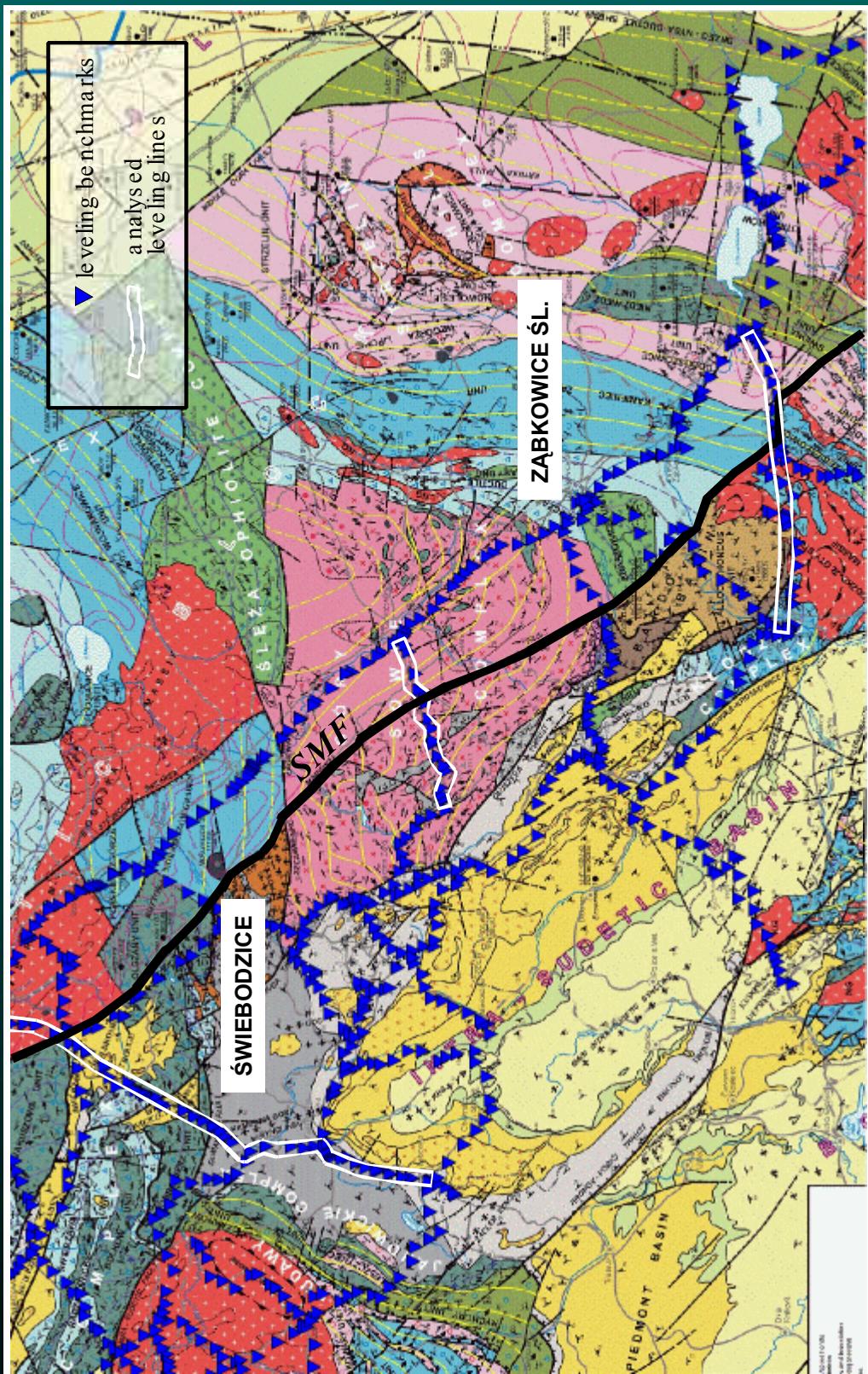
RECENT ACTIVITY OF THE EASTERN PART OF SUDETIC MARGINAL FAULT



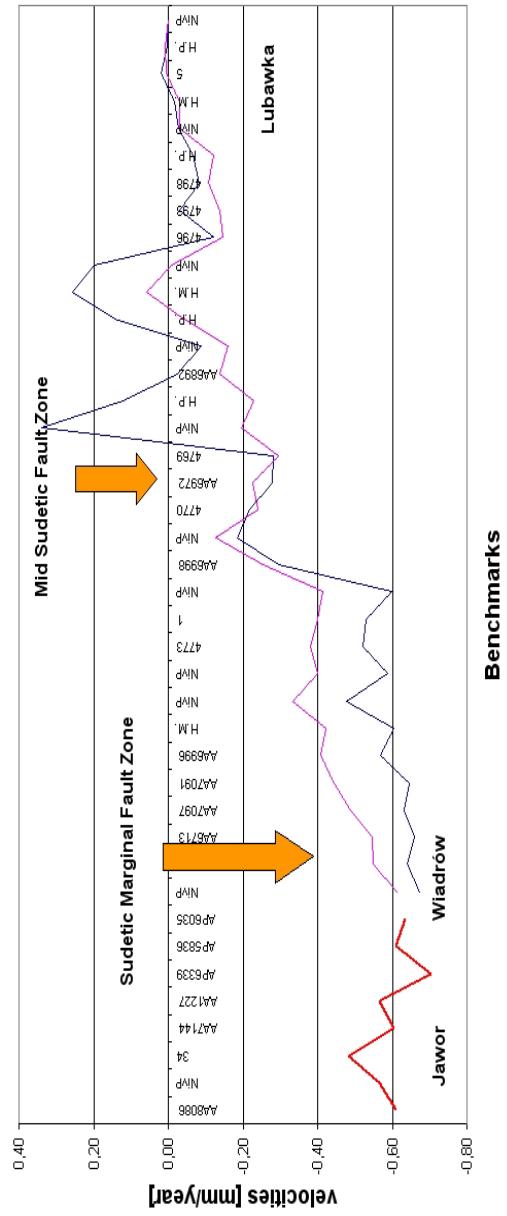
Jan Kapłon, Stefan Cacoń

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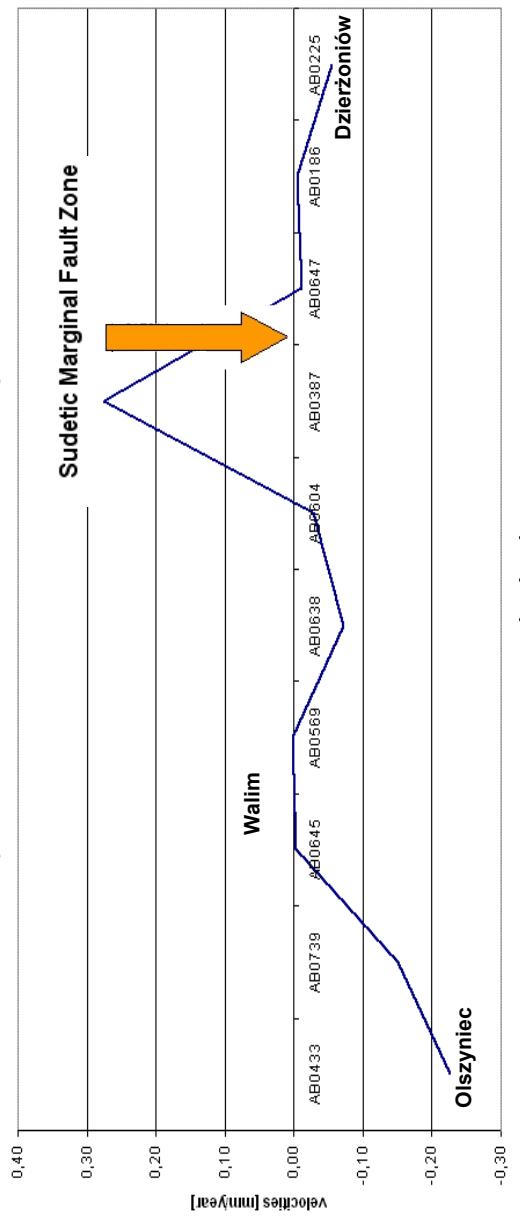




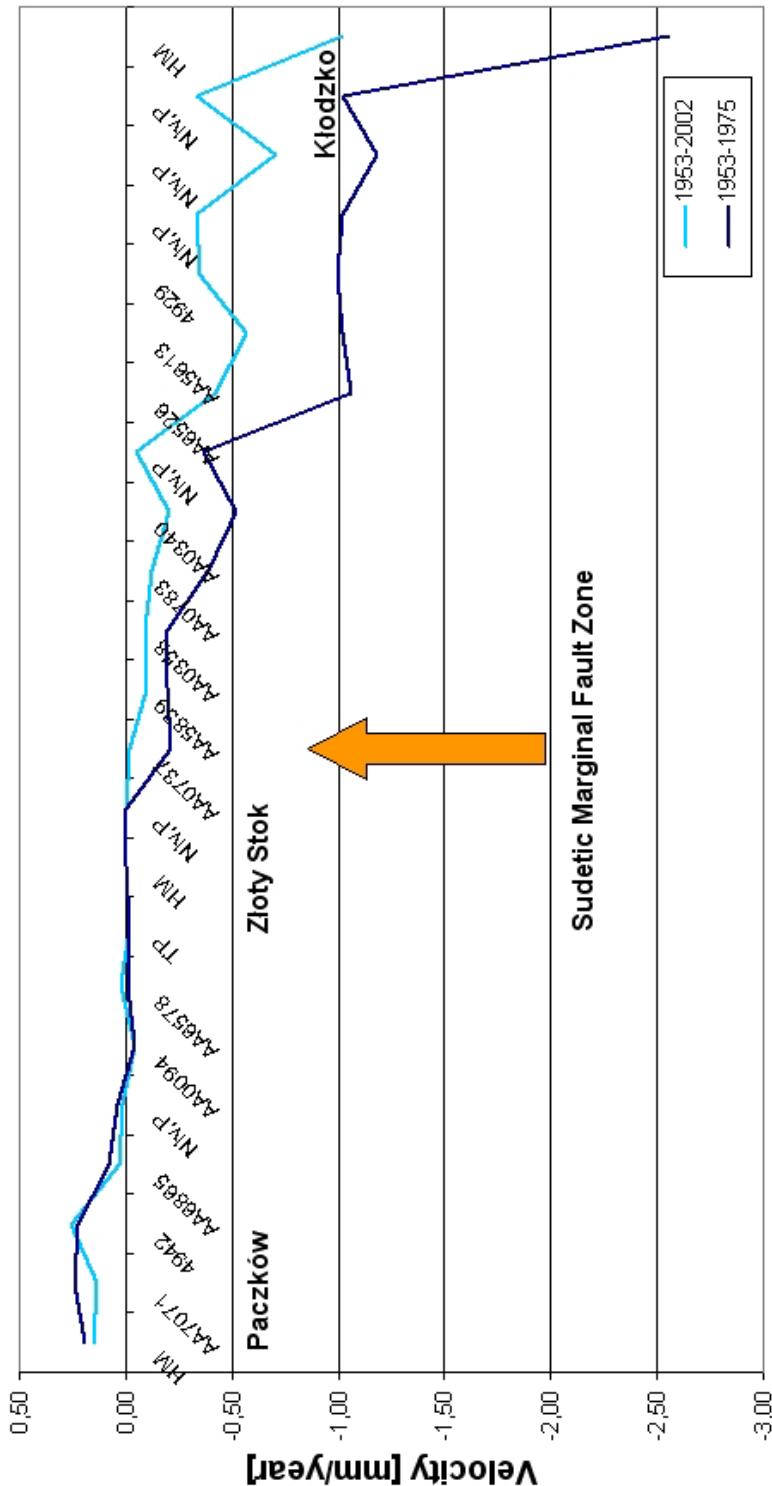
Benchmarks velocities in 1957-1975 and 1957 - 2002 periods (related to Niv.P benchmark in Lubawka)



Benchmarks velocities in 1957 - 1990 period (related to the benchmark AB 0604 in Walim)



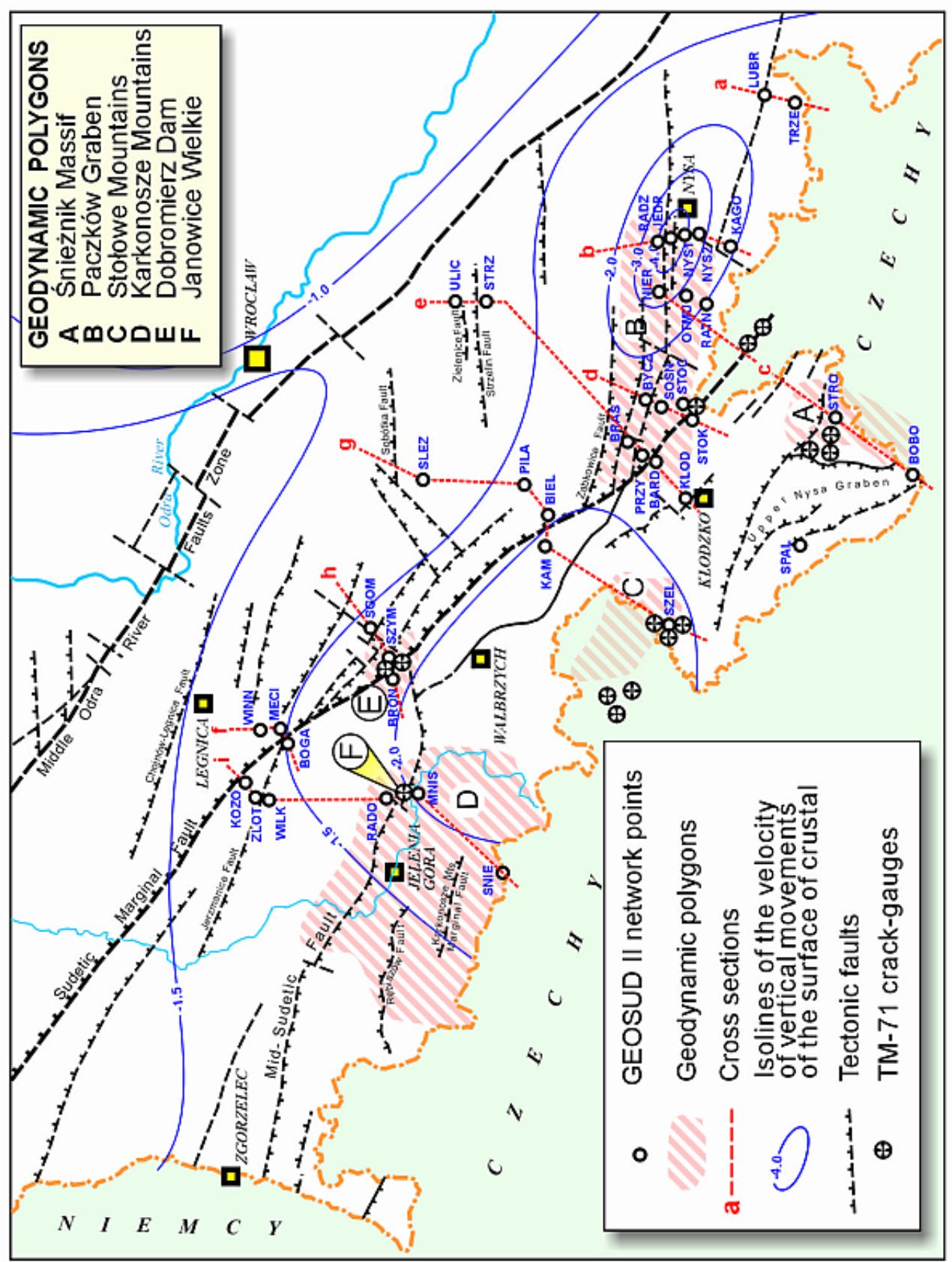
Benchmarks velocities in 1953-1975 and 1953 - 2002 periods (related to HM and Niv.P benchmarks in Złoty Stok)



Benchmarks

GEODYNAMIC POLYGONS

- A Śnieżnik Massif
- B Paczków Graben
- C Stołowe Mountains
- D Karkonosze Mountains
- E Dobromierz Dam
- F Janowice Wielkie



GEO SUD II network points

Geodynamic polygons

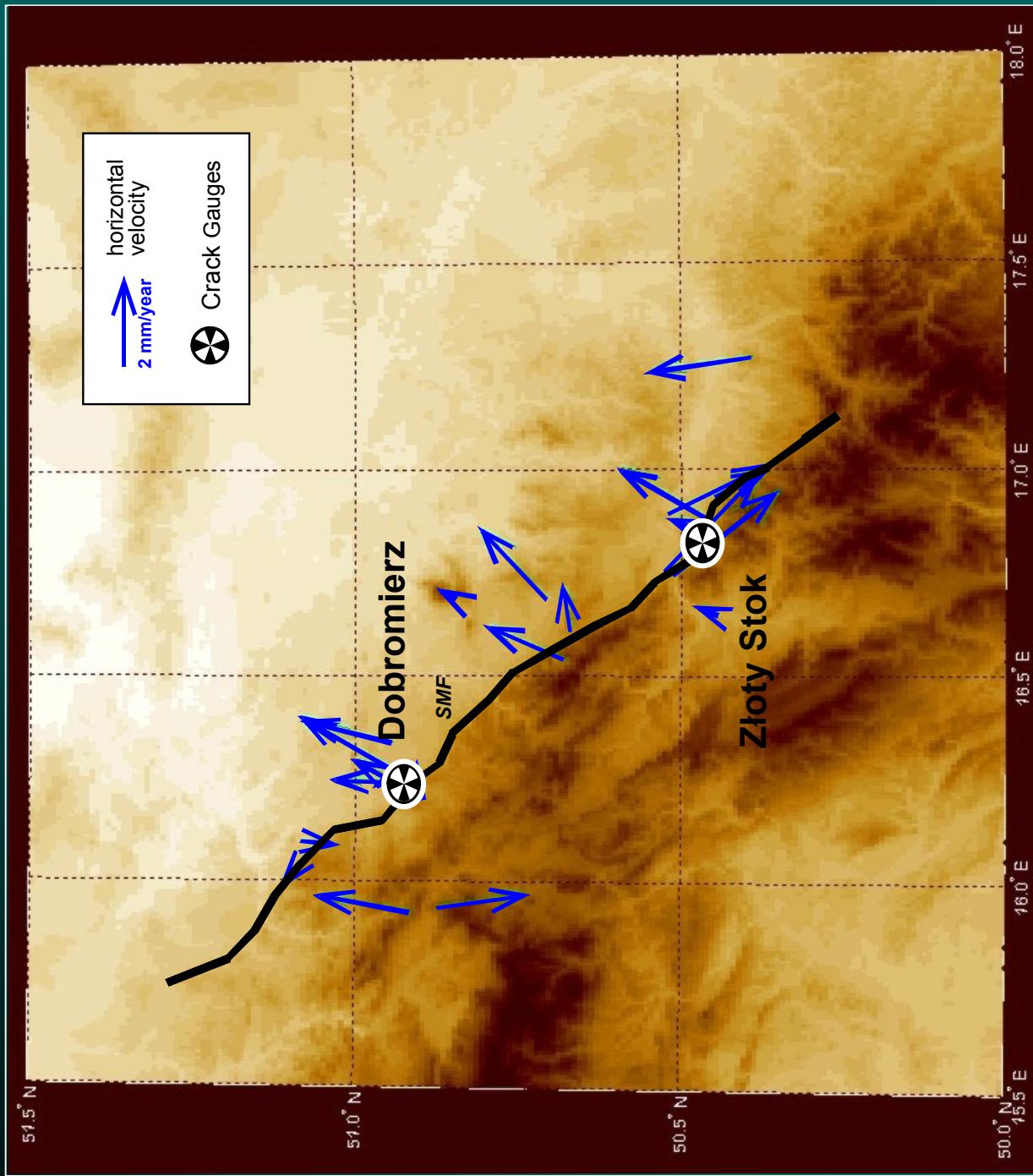
Cross sections

Isolines of the velocity
of vertical movements
of the surface of crustal

Tectonic faults

TM-71 crack-gauges

GEOSED GPS site's horizontal velocities after APKIM2000 model removal

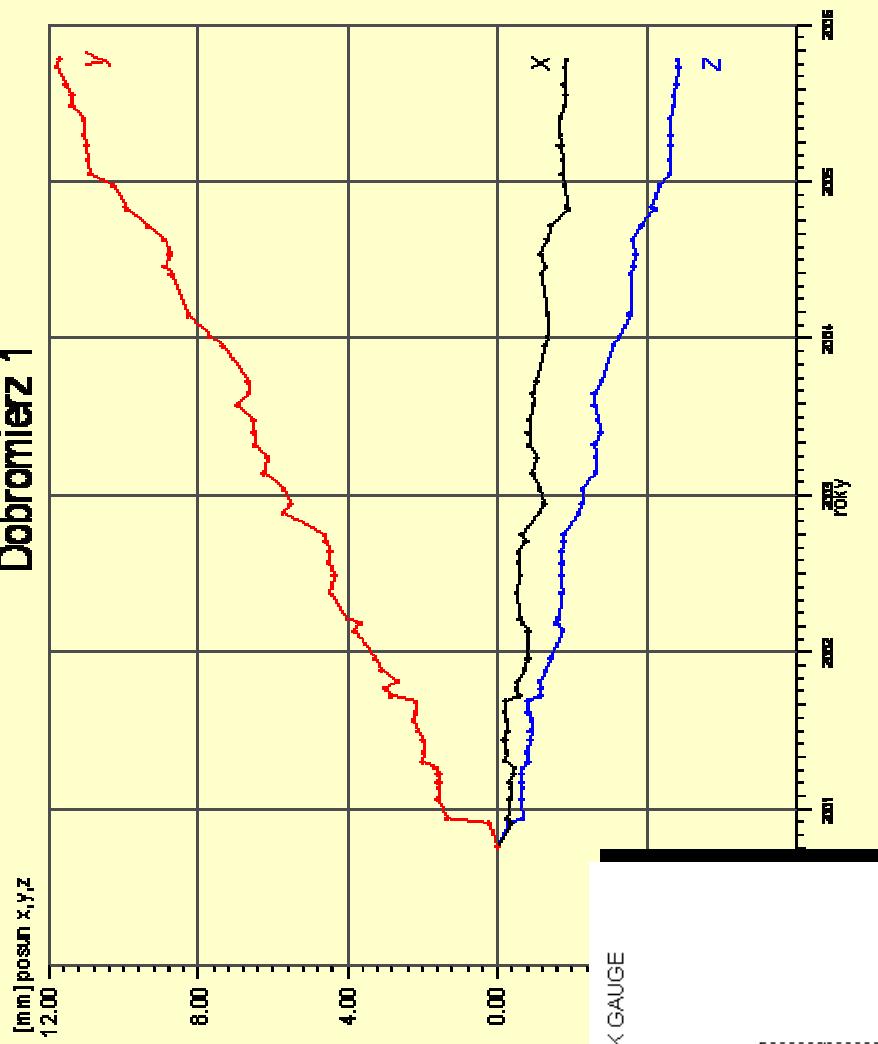




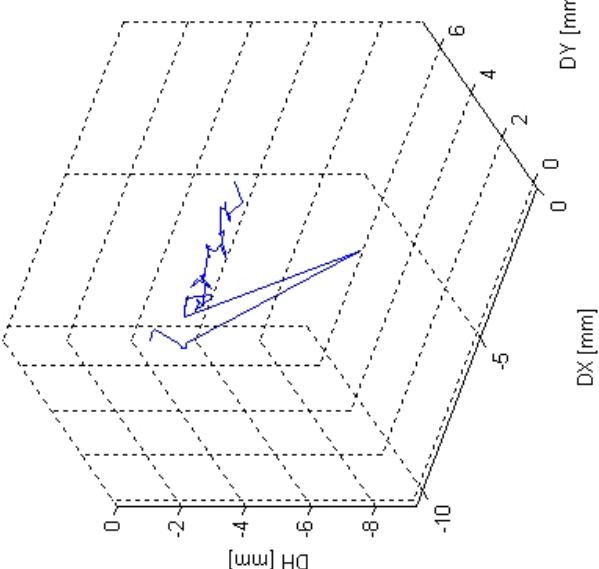
**Data from period:
255 weeks**



Dobromierz 1

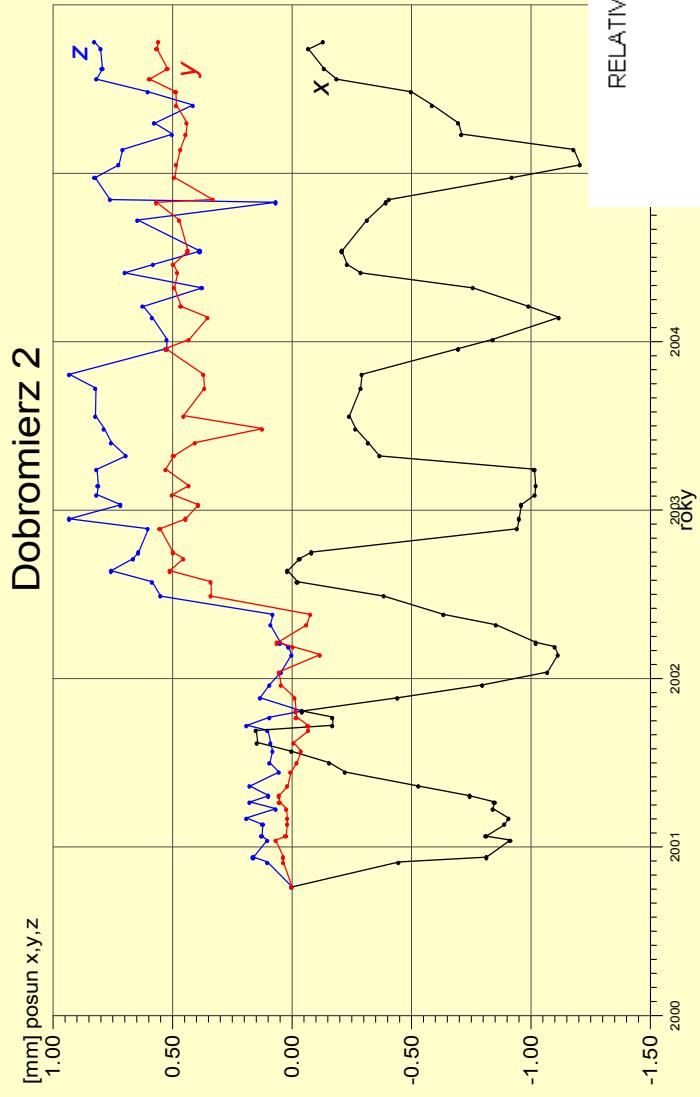


RELATIVE CHANGES FROM TM-71 "Dobromierz 1" CRACK GAUGE

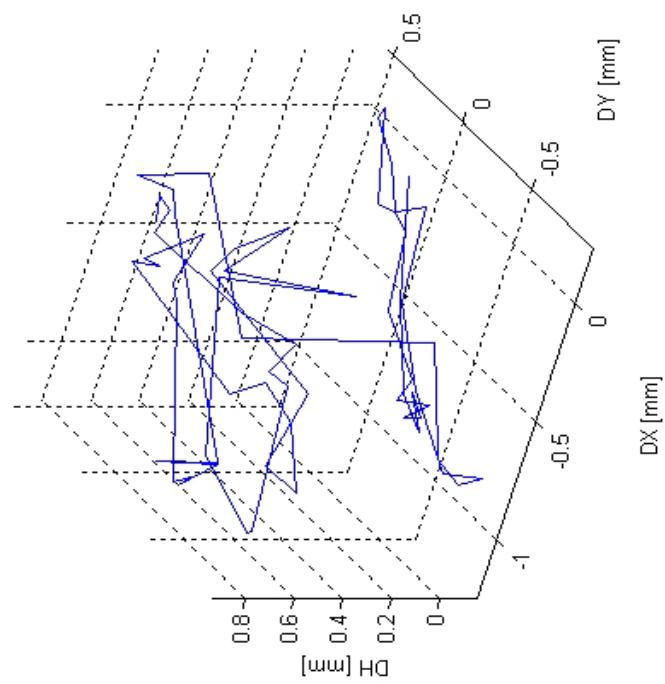


Correlation coefficient between:

- Temperature and DX changes = 0.61
- Temperature and DY changes = 0.33
- Temperature and DH changes = 0.30



**Data from period:
255 weeks**

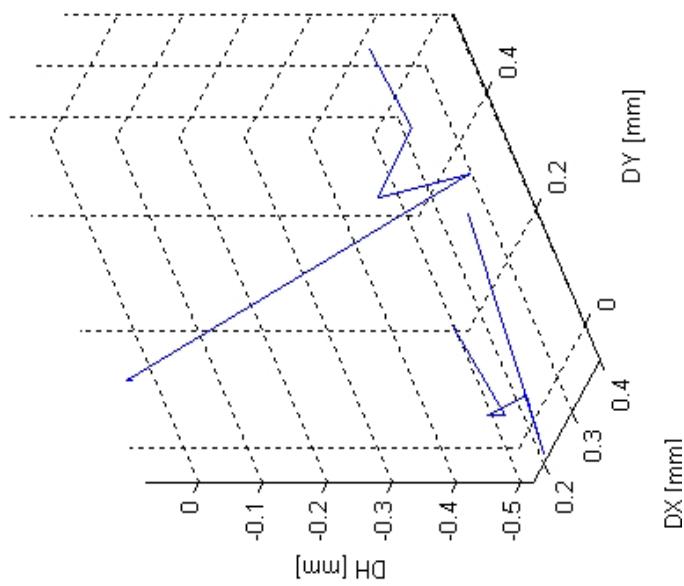


Correlation coefficient between:

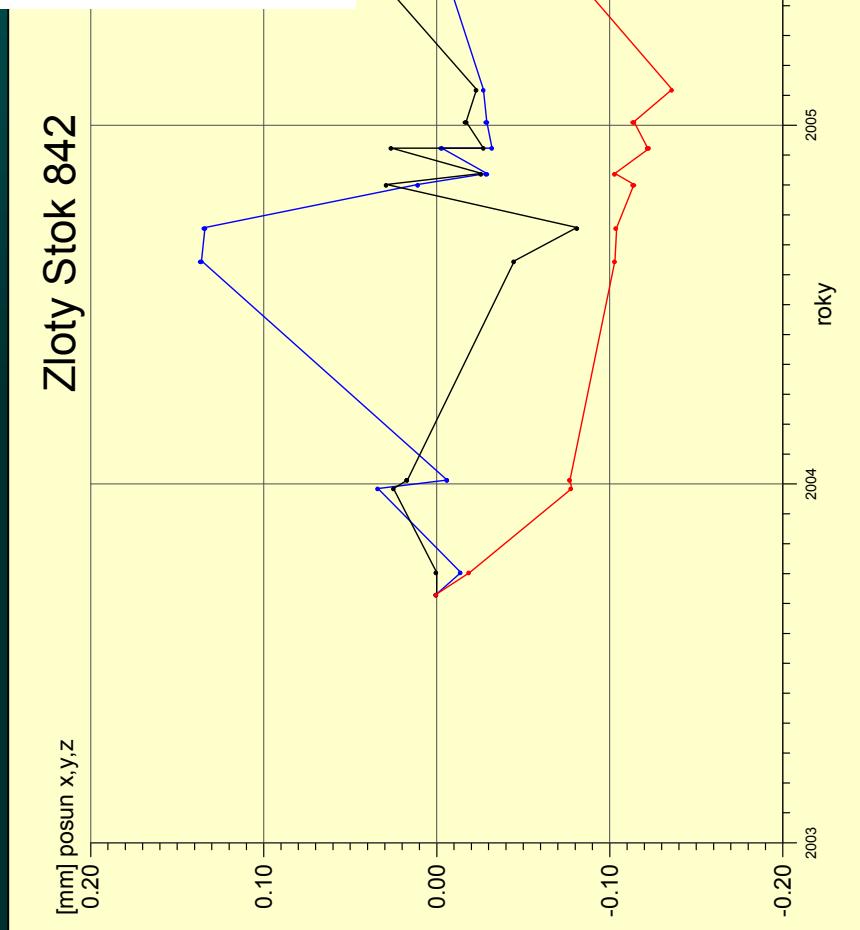
- Temperature and DX changes = 0.81
- Temperature and DY changes = 0.85
- Temperature and DH changes = 0.08

Correlation coefficient between:

- Temperature and DX changes = -0.68
- Temperature and DY changes = 0.23
- Temperature and DH changes = 0.15

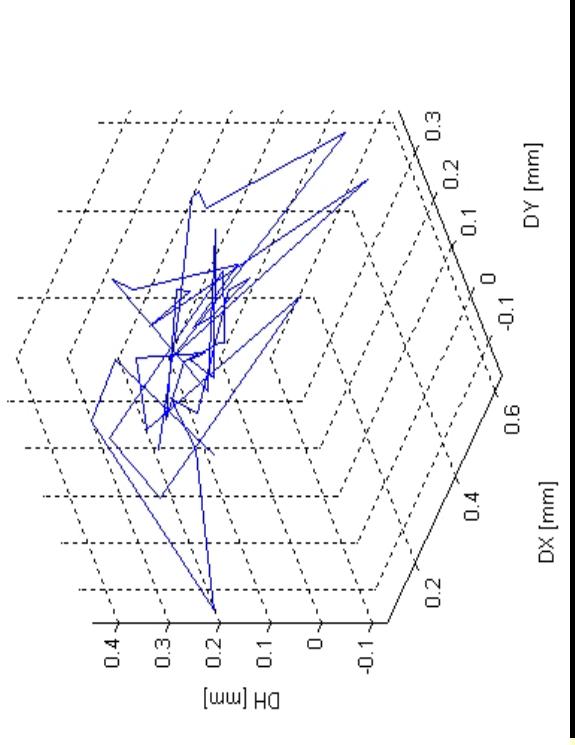


**Data from period:
89 weeks**

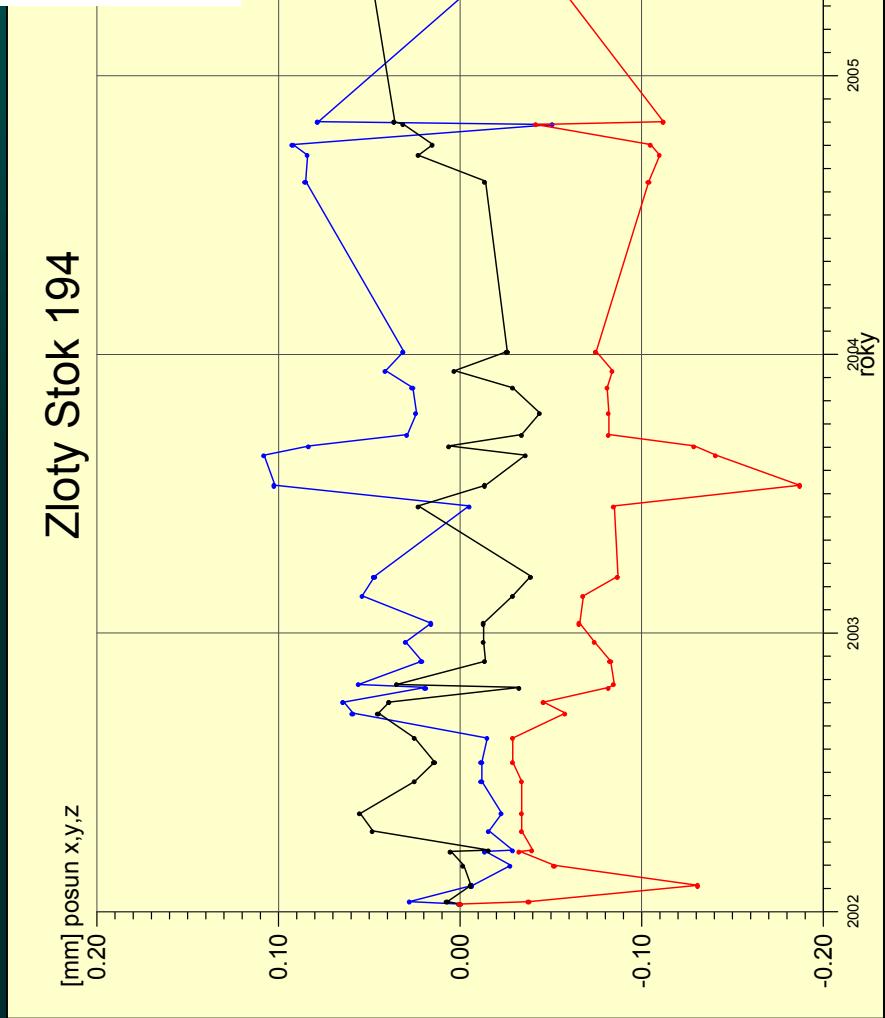


Correlation coefficient between:

- Temperature and DX changes = 0.61
- Temperature and DY changes = -0.10
- Temperature and DH changes = 0.47



**Data from period:
198 weeks**



CONCLUSIONS

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