

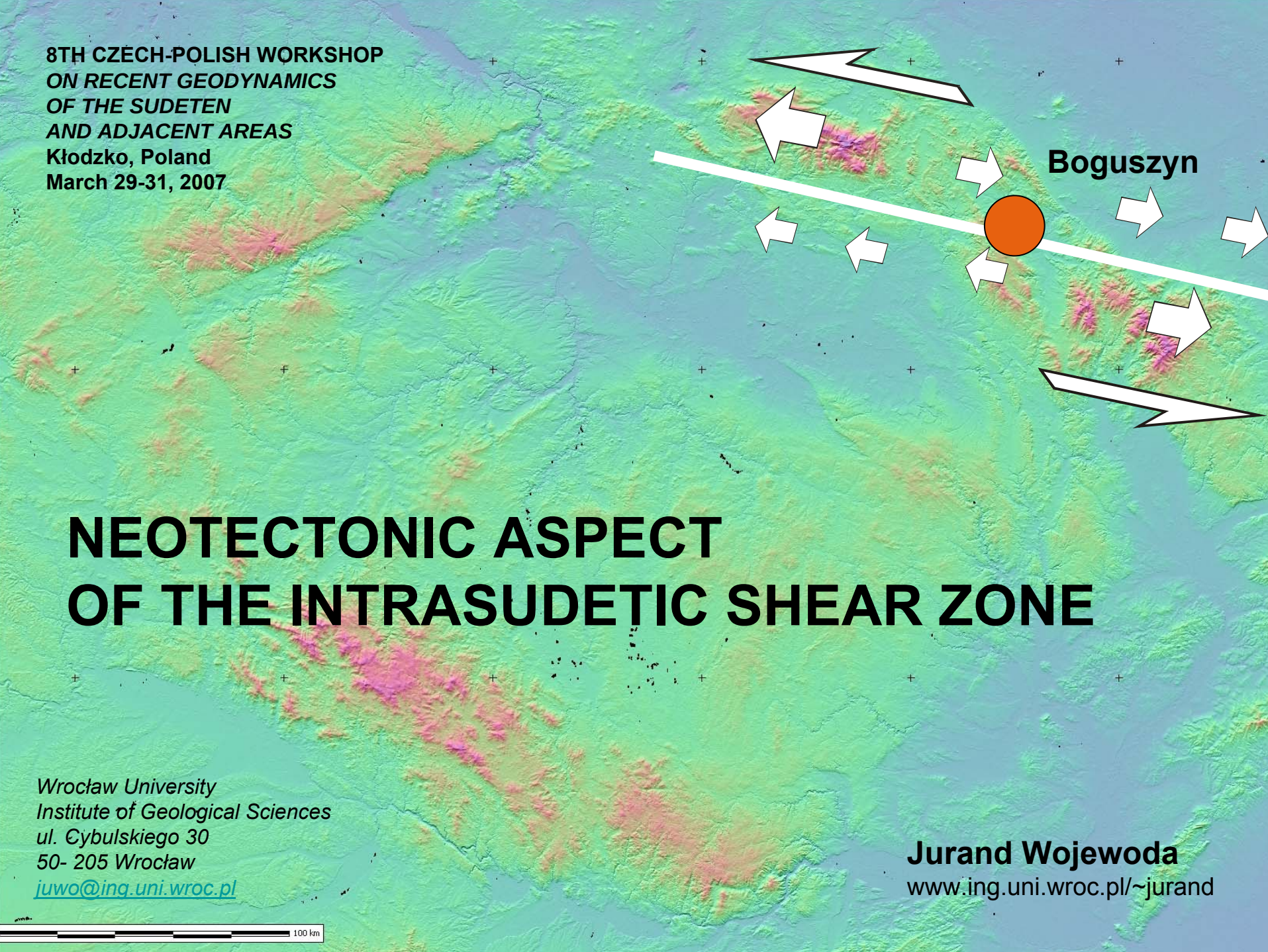
8TH CZECH-POLISH WORKSHOP
ON RECENT GEODYNAMICS
OF THE SUDETEN
AND ADJACENT AREAS
Kłodzko, Poland
March 29-31, 2007

NEOTECTONIC ASPECT OF THE INTRASUDETIC SHEAR ZONE

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100 km

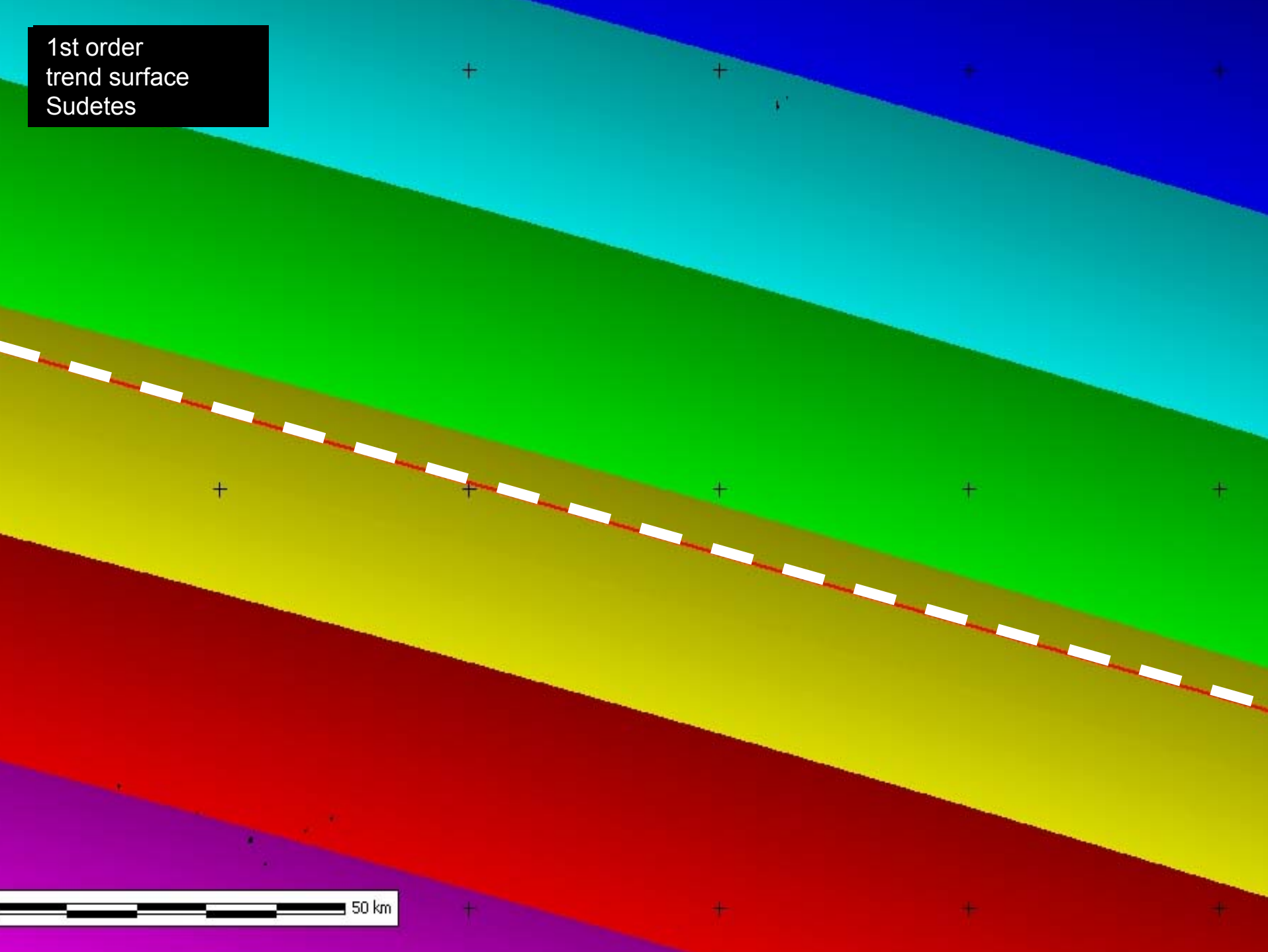


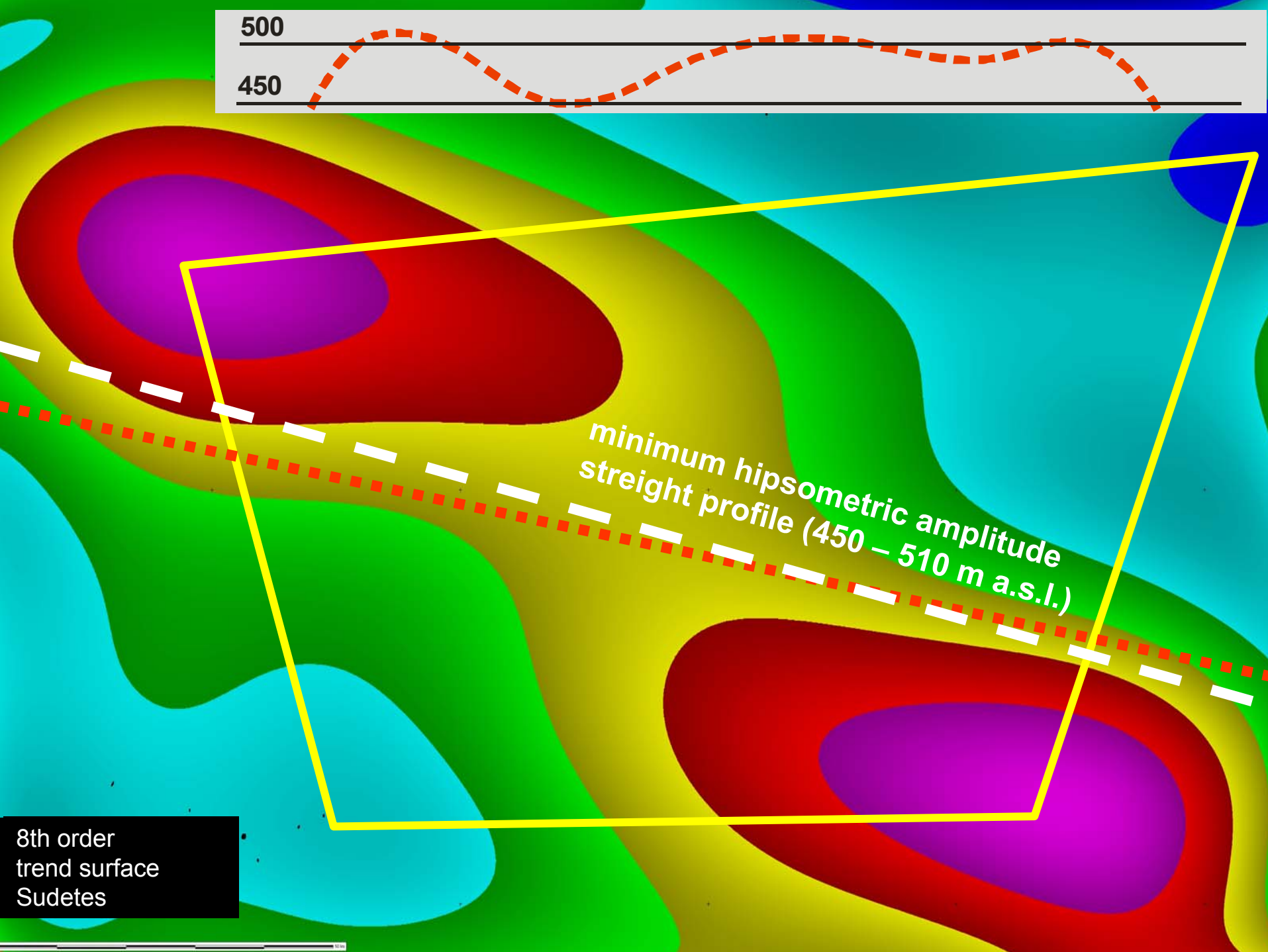
8th order
trend surface
Bohemian Massif

8th order
trend surface
Sudetes

The program uses a least squares fit after Davis (1973).
It will fit up to a eighth order surface. The terms in the fit include:
$$z = C1 + C2*x + C3*y + C4*x^2 + C5*x*y + C6*y^2 + C7*x^3 + C8*x^2*y + C9*x*y^2 + C10*y^3 + C11*x^4 + C12*x^3*y + C13*x^2*y^2 + C14*x*y^3 + C15*y^4$$
 similar progression up to eighth order
(after P. Guth (2007) – MICRODEM app.)

1st order
trend surface
Sudetes





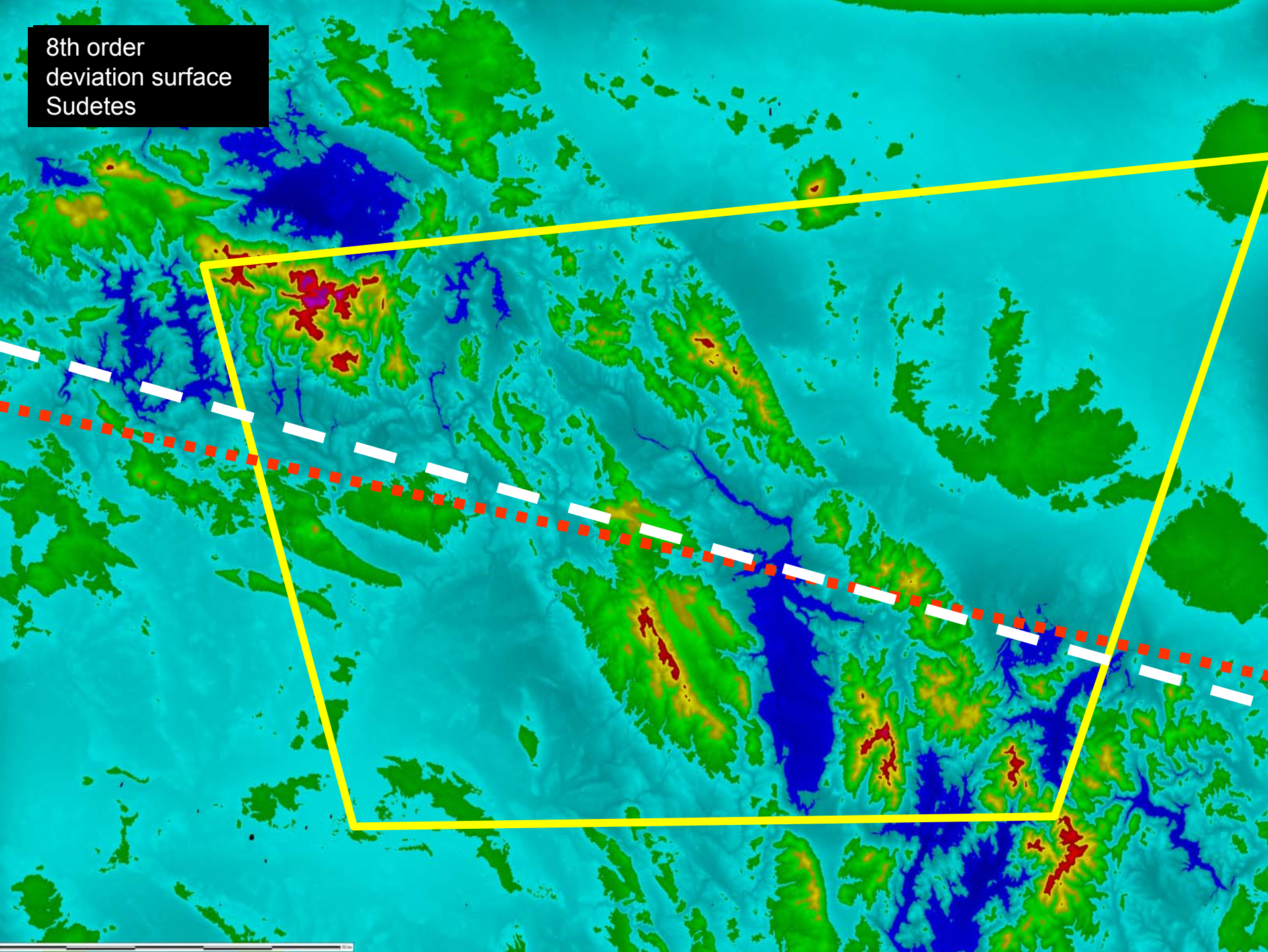
500

450

minimum hipsometric amplitude
streight profile (450 – 510 m a.s.l.)

8th order
trend surface
Sudetes

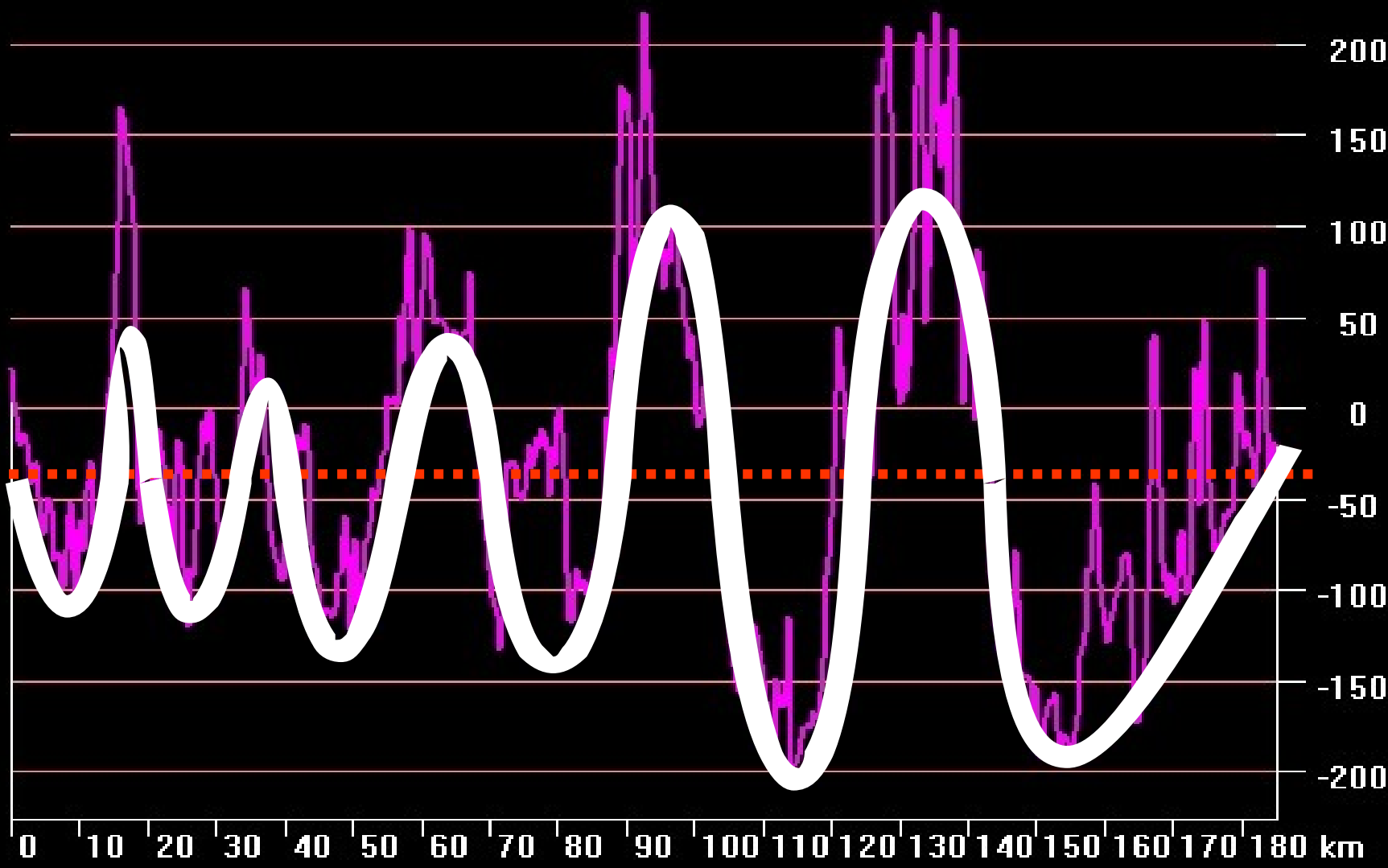
8th order
deviation surface
Sudetes



N50°36'37.68" E15° 3'22.55"

N50°15'33.93" E17°36'15.96"

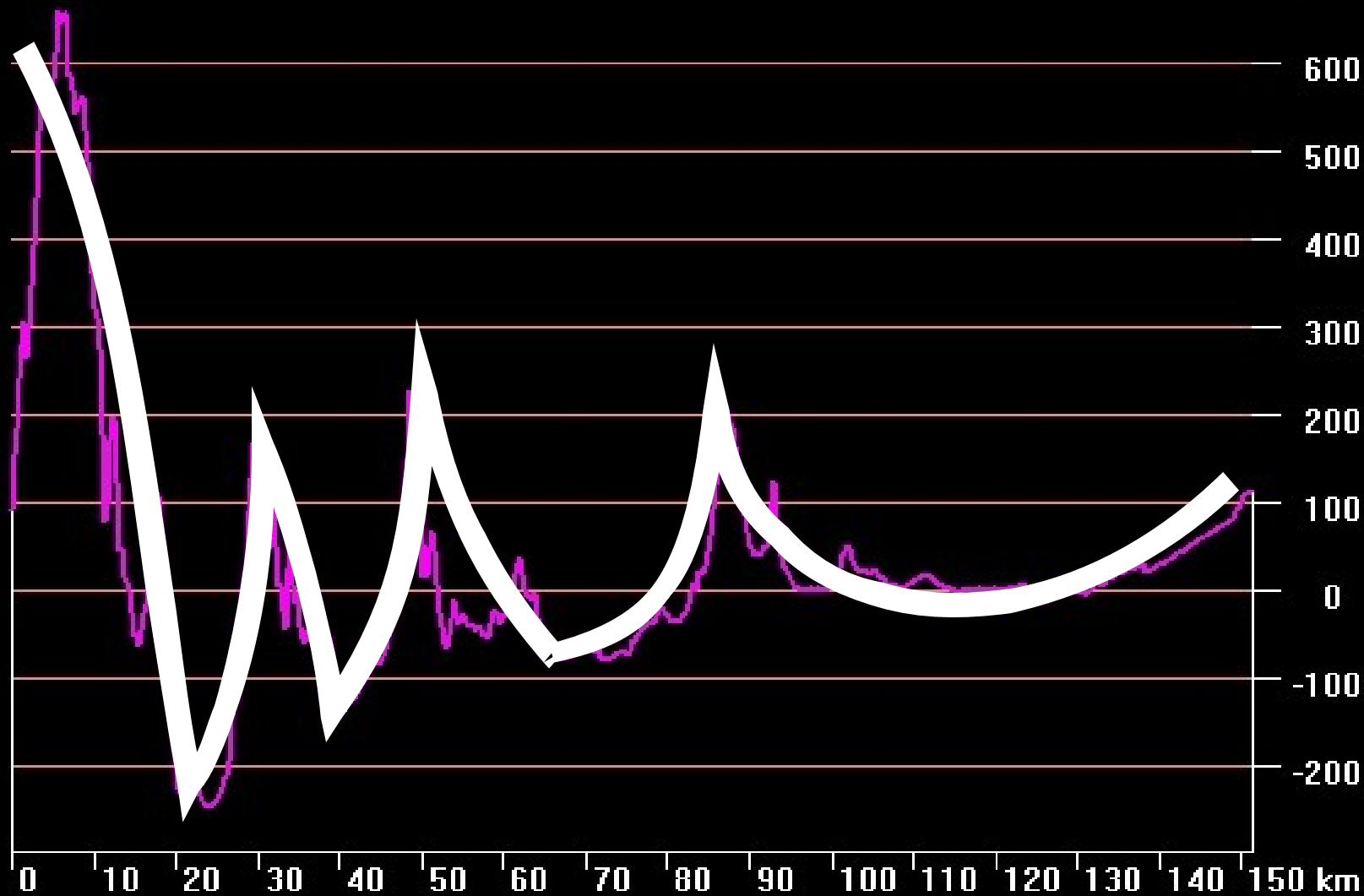
meters



N50°46'17.97" E15°28'32.86"

N50°53'55.76" E17°36'56.50"

meters



[N]

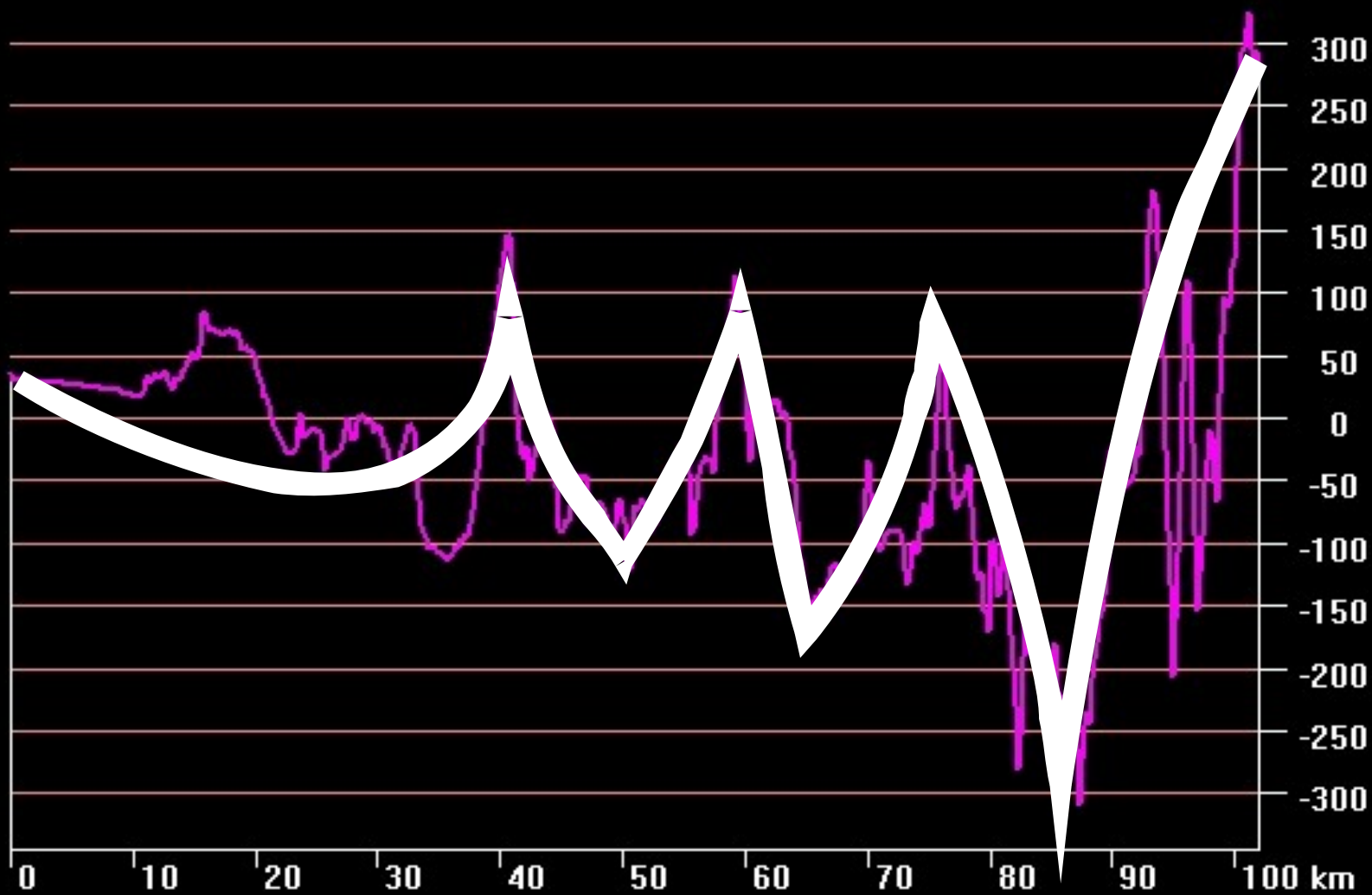
W

E

N50° 5'40.74" E15°46'47.59"

N50° 6'38.77" E17°12'16.59"

meters



W

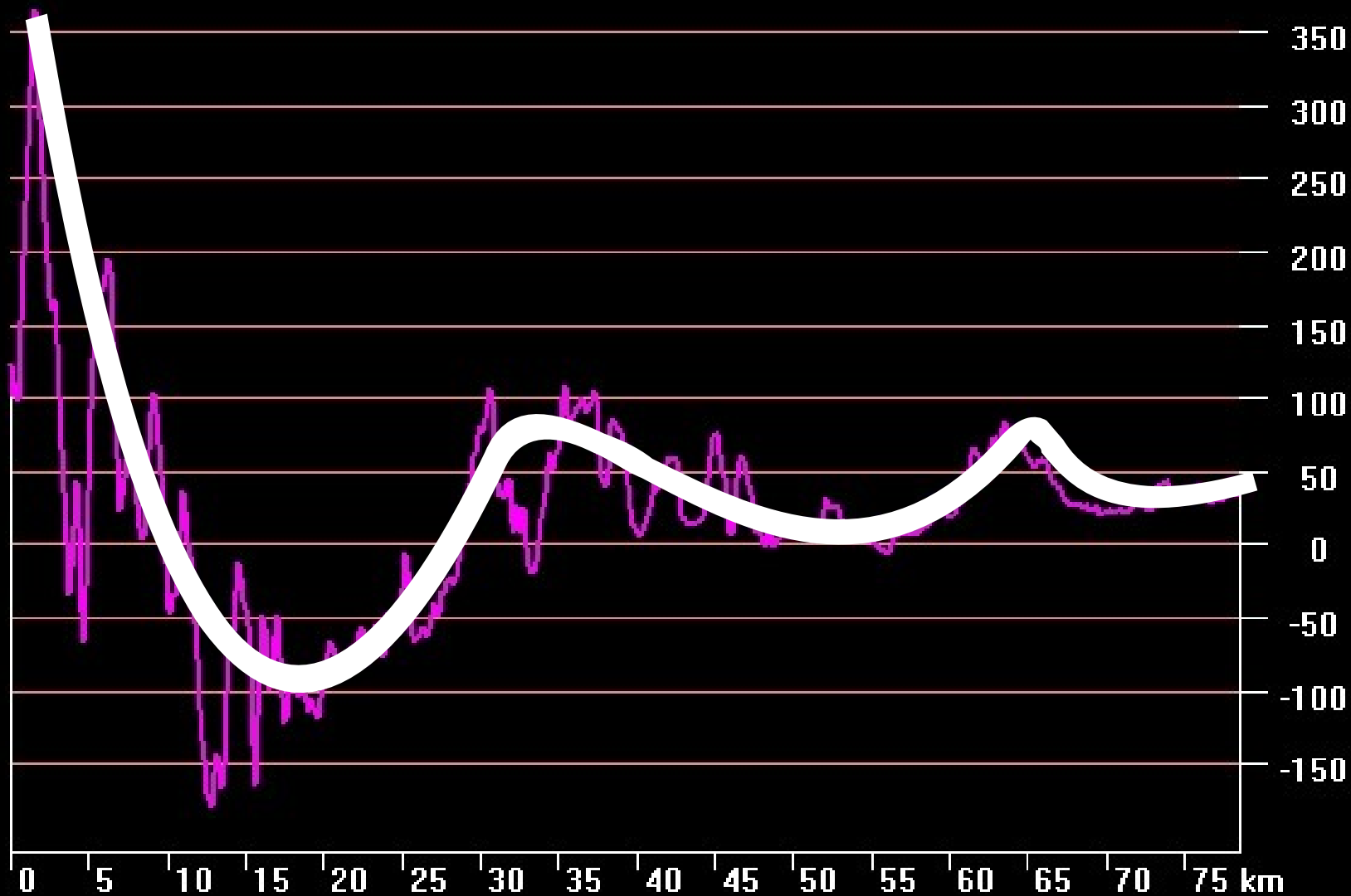
[S]

E

N50°46'24.42" E15°28'32.86"

N50° 5'40.74" E15°46'47.59"

meters



N

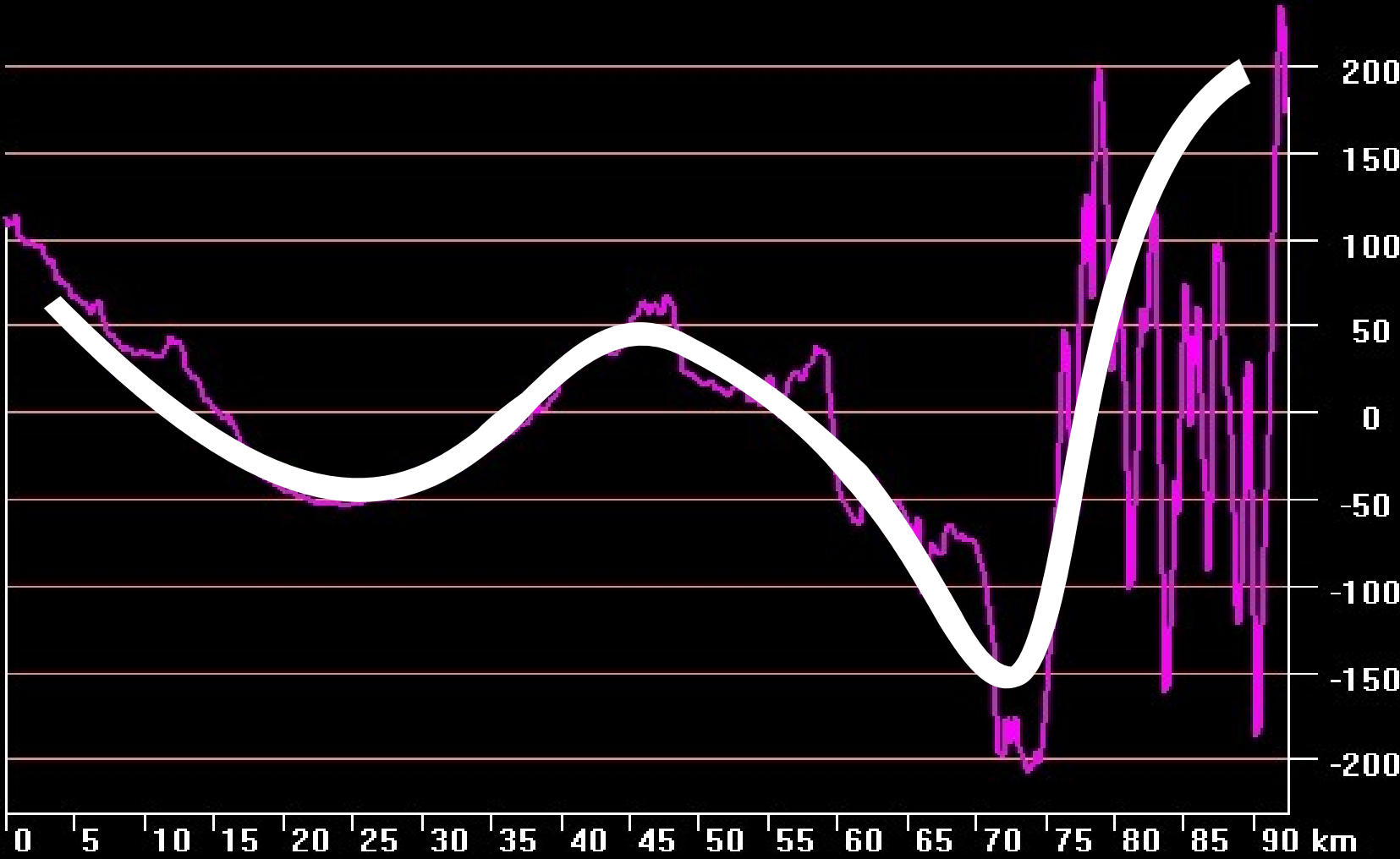
[W]

S

N50°54' 8.65" E17°36'56.50"

N50° 6'45.22" E17°12'16.59"

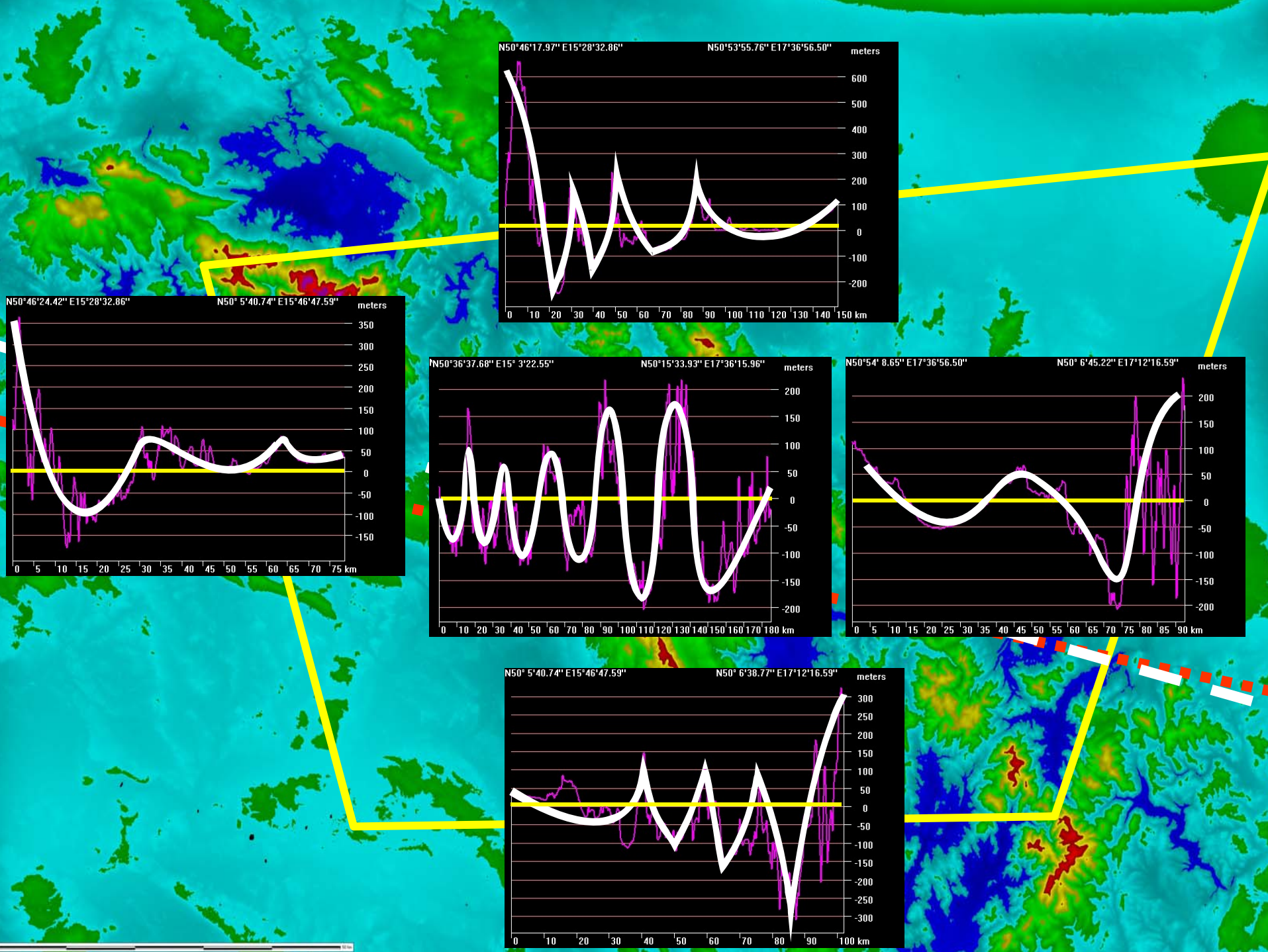
meters

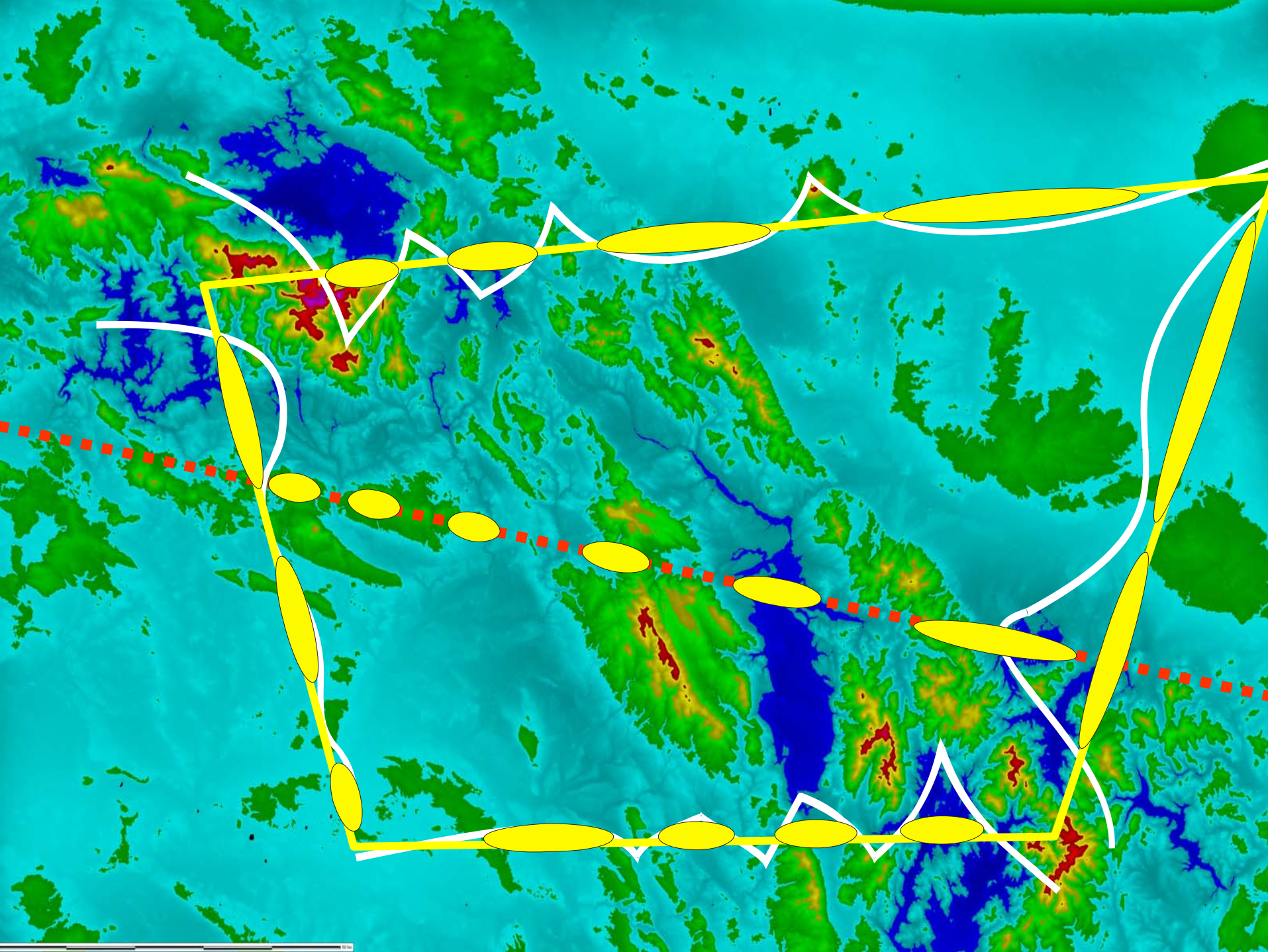


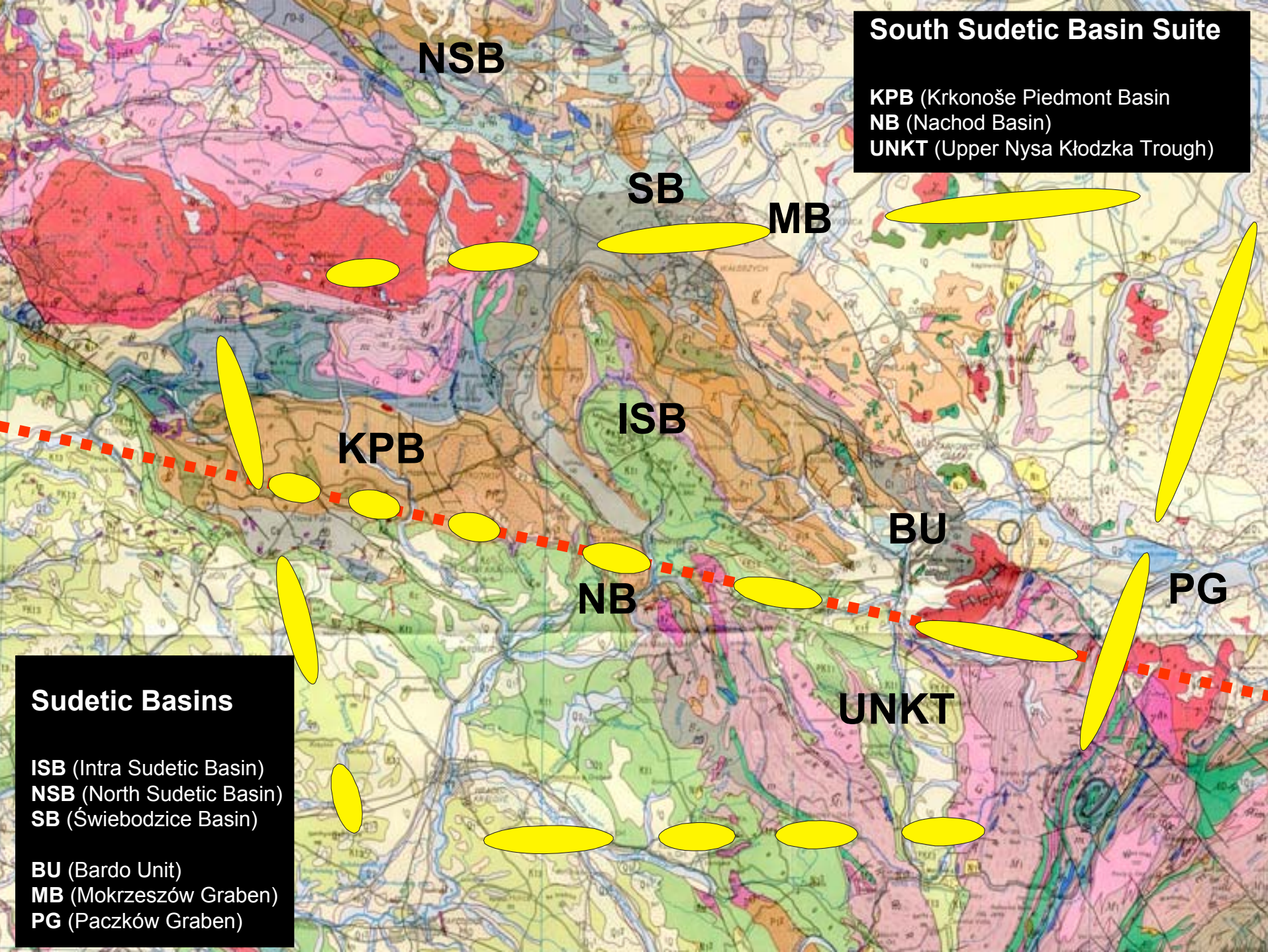
N

[E]

S







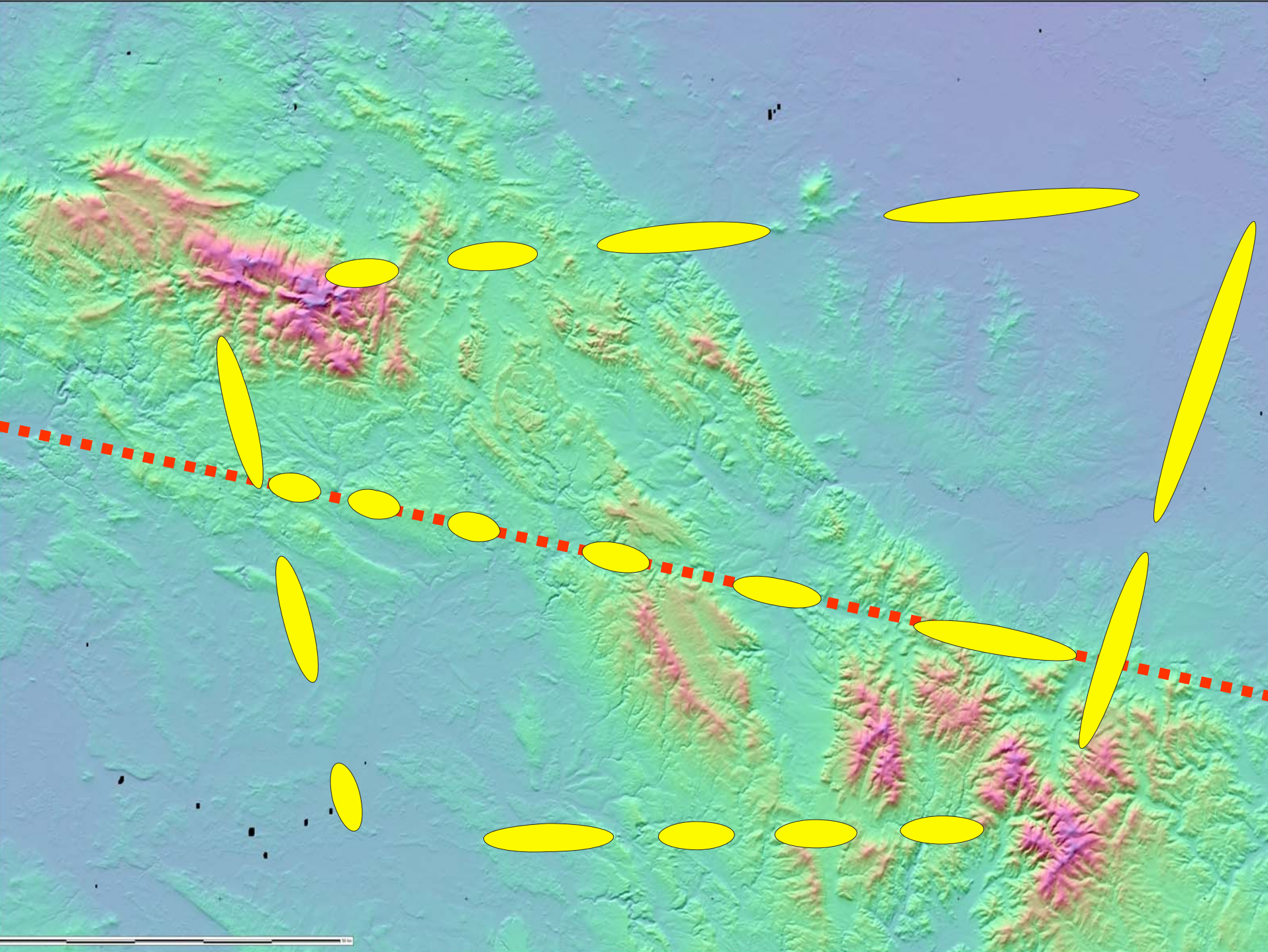
South Sudetic Basin Suite

KPB (Krkonoše Piedmont Basin)
NB (Nachod Basin)
UNKT (Upper Nysa Kłodzka Trough)

Sudetic Basins

ISB (Intra Sudetic Basin)
NSB (North Sudetic Basin)
SB (Świebodzice Basin)

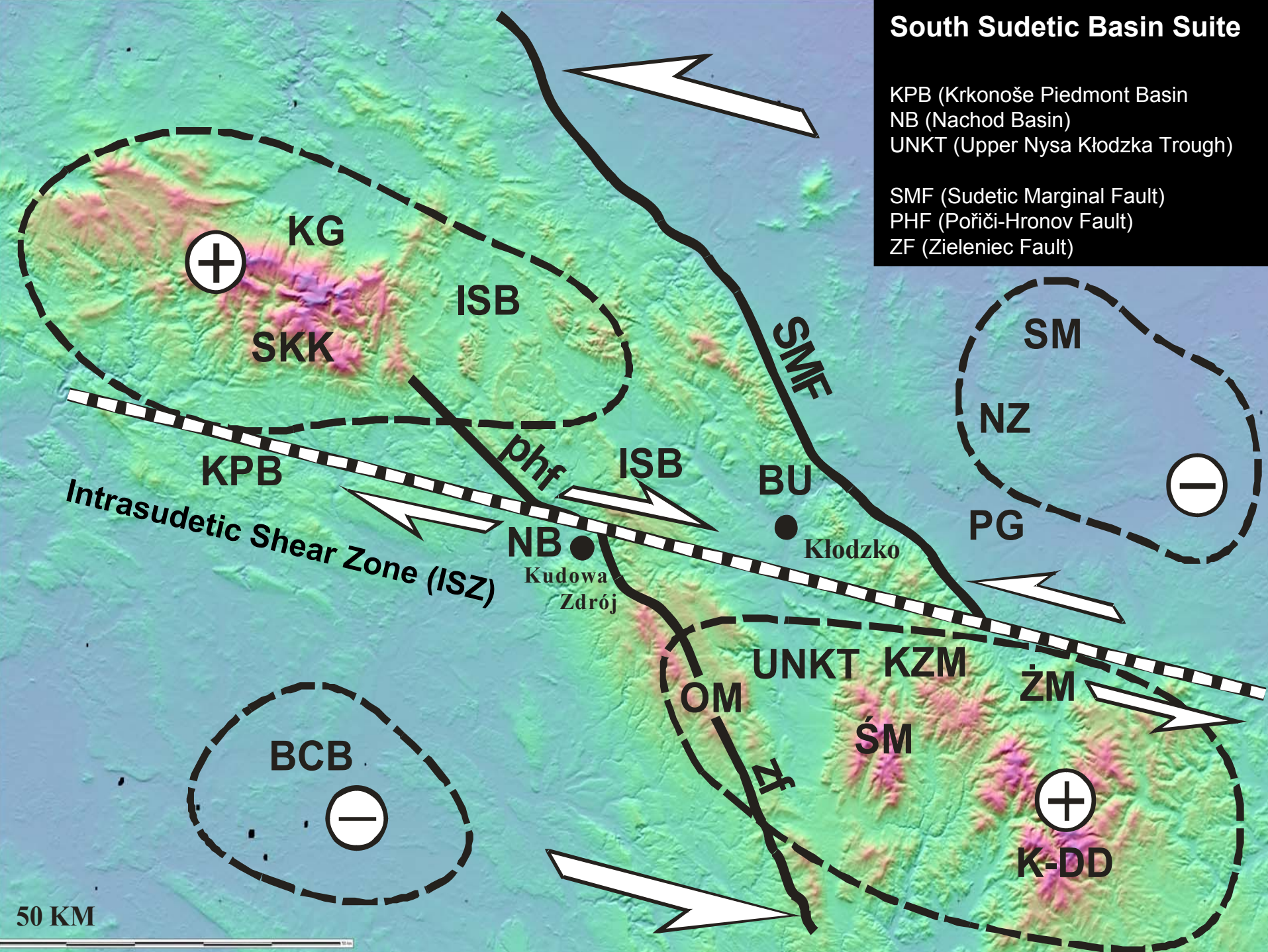
BU (Bardo Unit)
MB (Mokrzyszów Graben)
PG (Paczków Graben)



South Sudetic Basin Suite

KPB (Krkonosé Piedmont Basin)
NB (Nachod Basin)
UNKT (Upper Nysa Kłodzka Trough)

SMF (Sudetic Marginal Fault)
PHF (Poříčí-Hronov Fault)
ZF (Zieleniec Fault)



WROCLAW

