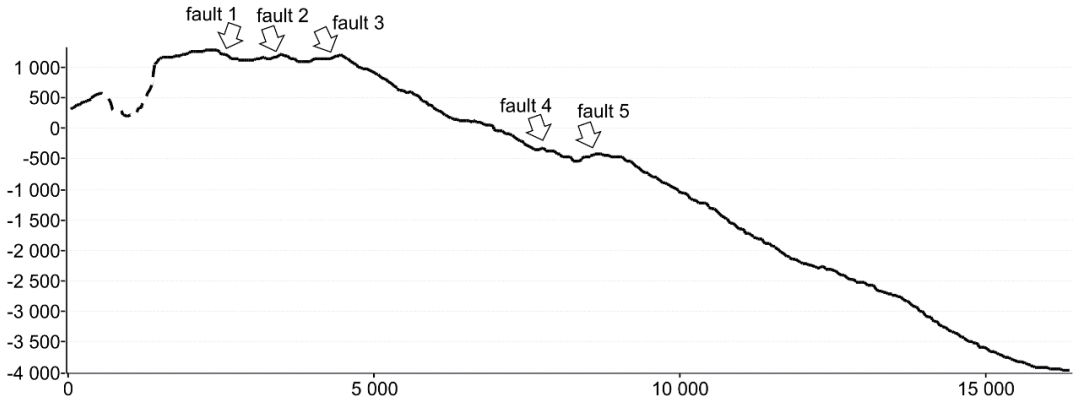
Supplementary Material 2
Extensive set of topographic profiles for the six study sites

The location of the interpreted fault scarps is indicated by arrows. The Valles Marineris profiles were measured on MRO/CTX digital elevation models generated with Socet Set® and have a vertical error of 10-15 m. The Tatra Mountains (sites T1-T3) profiles display the GPS data measured in the field, with an error of 40 cm (Kromuszczyńska et al., 2016). The horizontal and vertical axes are all measured in metres.

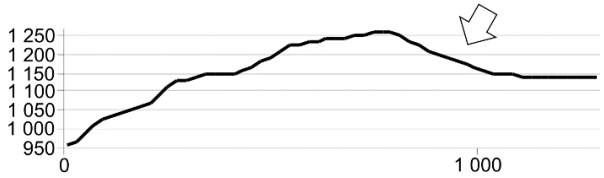
SITE M1 – Coprates Montes

Coprates Chasma internal ridge, profile c1p1

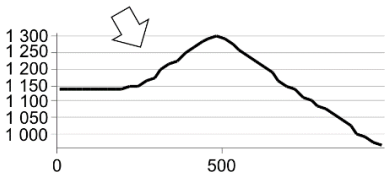


Individual profiles perpendicular to the interpreted faults:

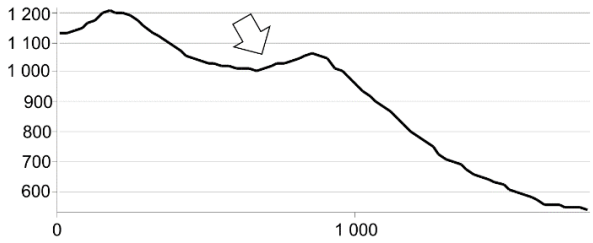
- fault 1



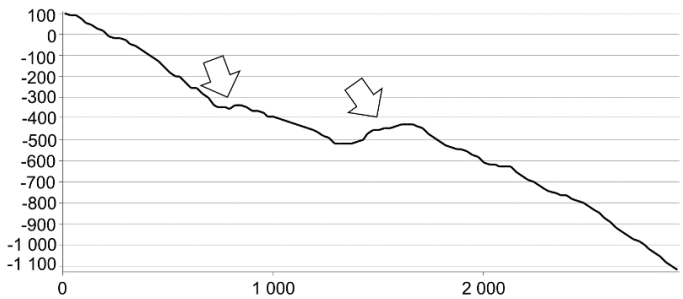
- fault 2



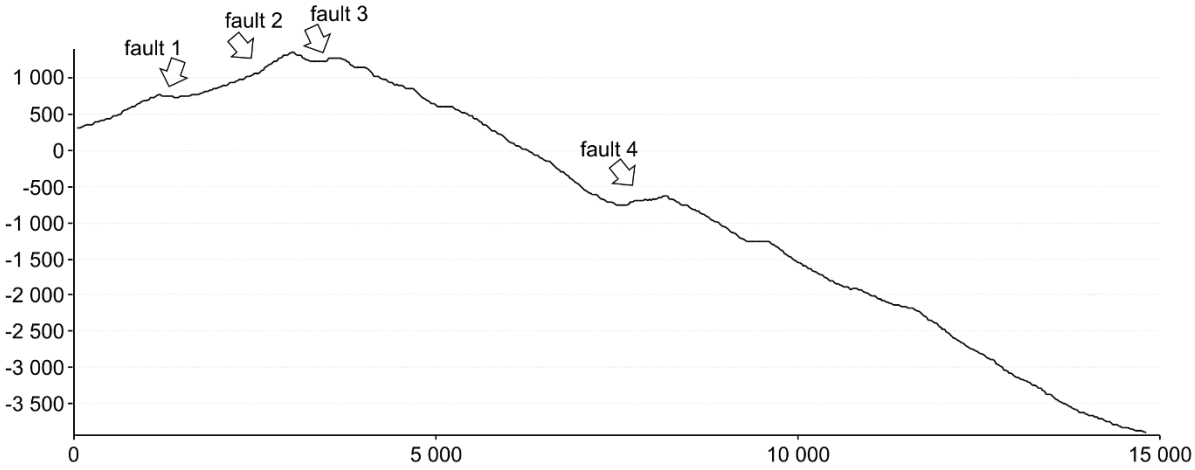
- fault 3



- faults 4 and 5

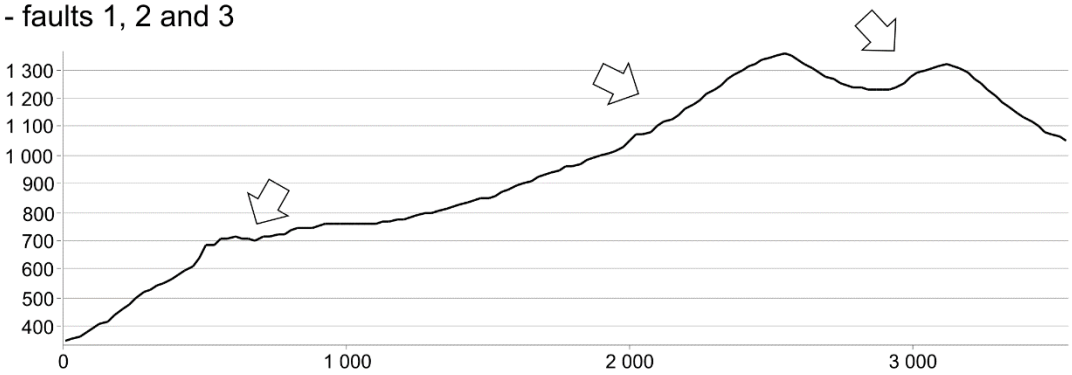


Coprates Chasma internal ridge, profile c1p2

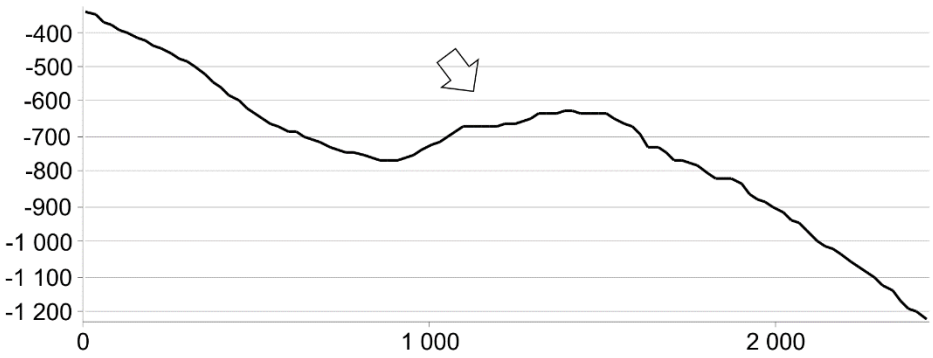


Individual profiles perpendicular to the interpreted faults:

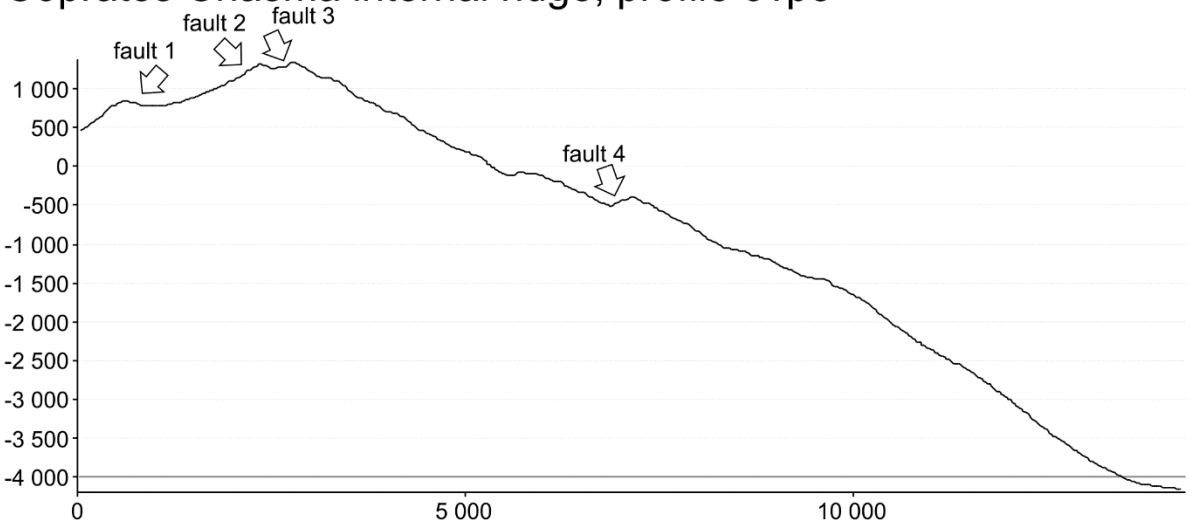
- faults 1, 2 and 3



- fault 4

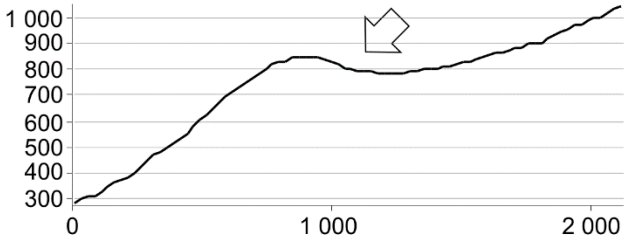


Coprates Chasma internal ridge, profile c1p3

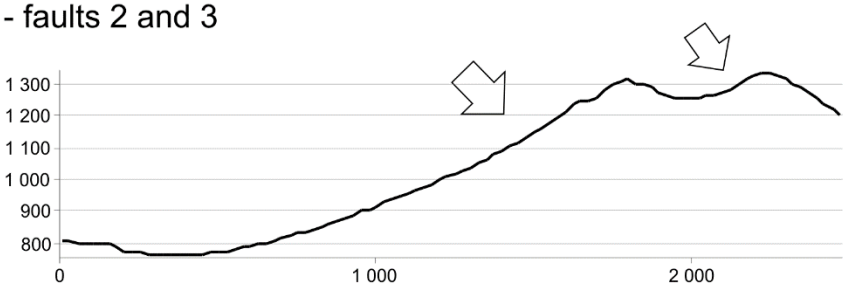


Individual profiles perpendicular to the interpreted faults:

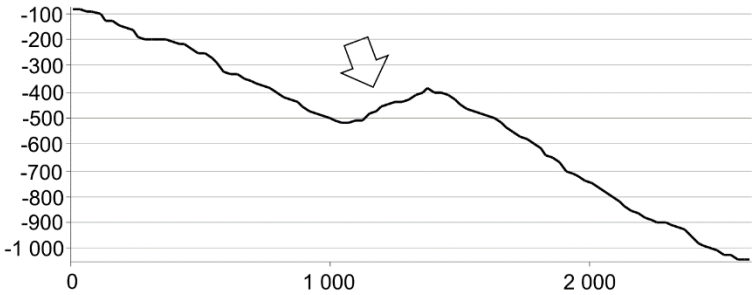
- fault 1



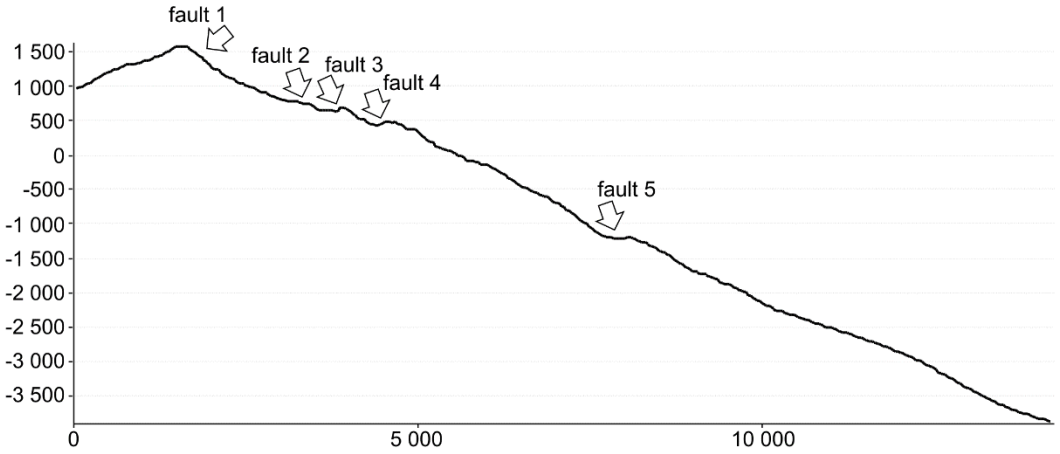
- faults 2 and 3



- fault 4

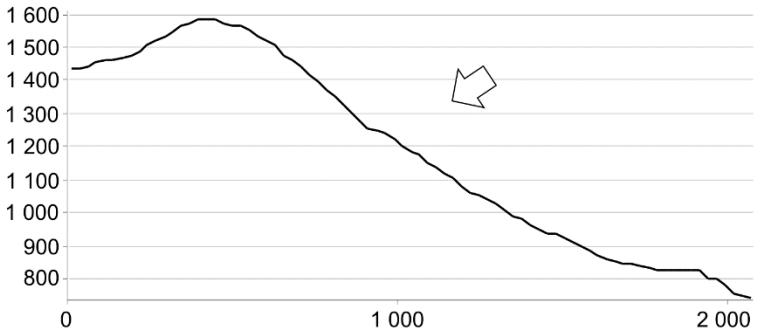


Coprates Chasma internal ridge, profile c1p4

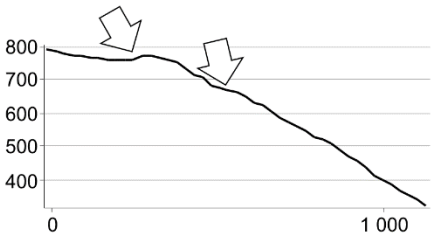


Individual profiles perpendicular to the interpreted faults:

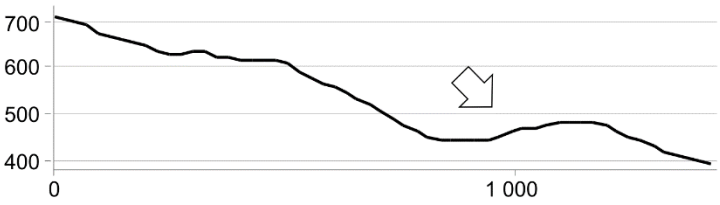
- fault 1



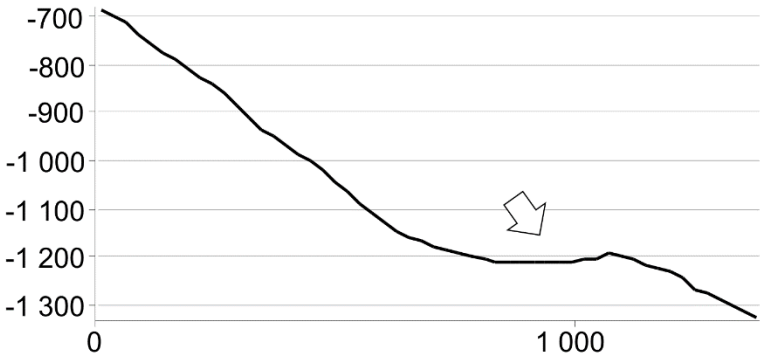
- faults 2 and 3



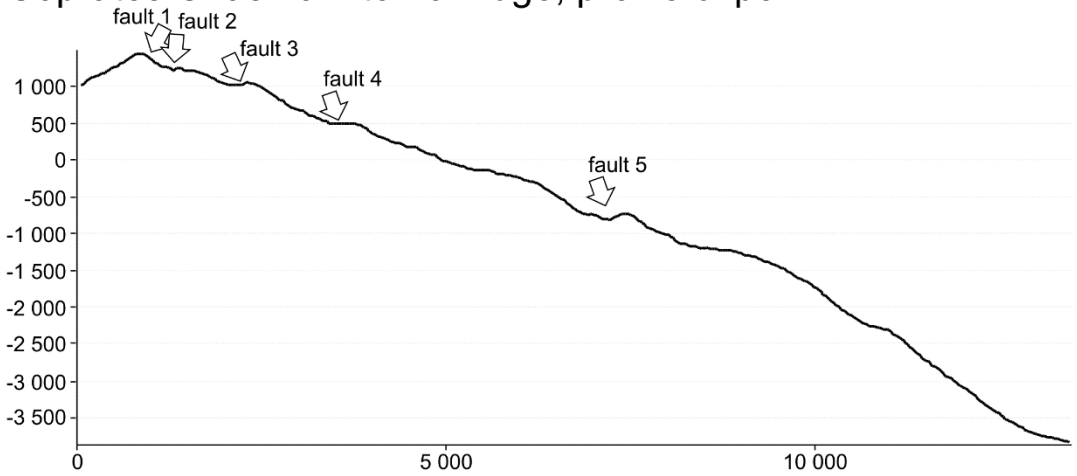
- fault 4



- fault 5

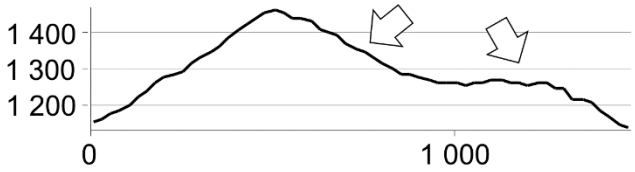


Coprates Chasma internal ridge, profile c1p5

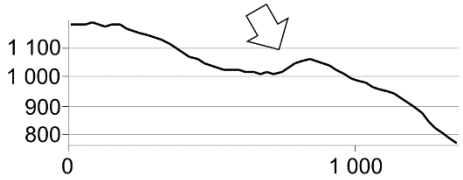


Individual profiles perpendicular to the interpreted faults:

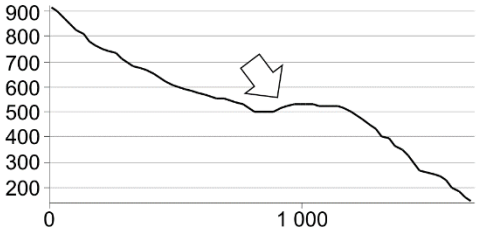
- faults 1 and 2



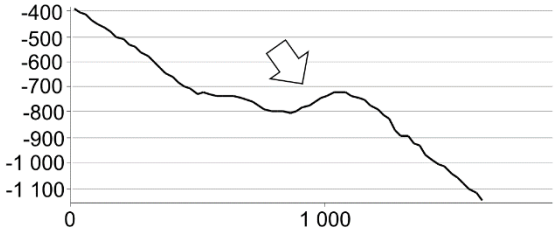
- fault 3



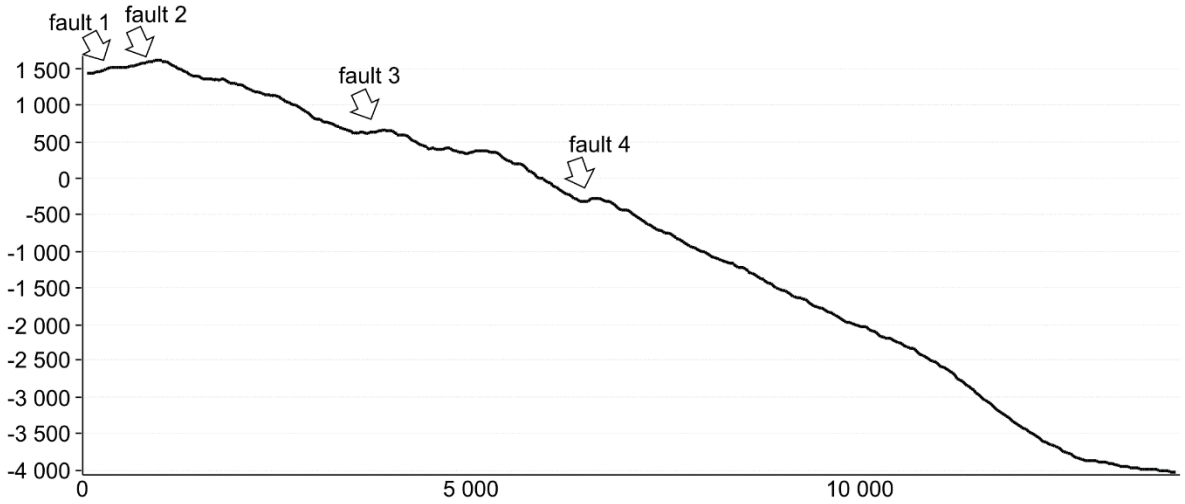
- fault 4



- fault 5

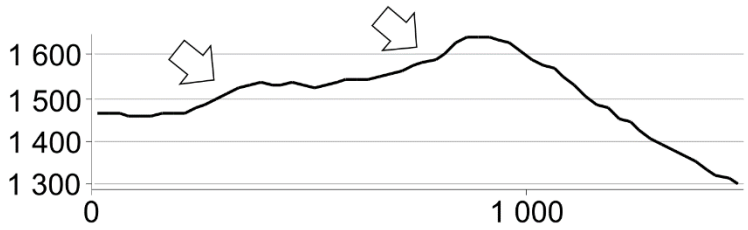


Coprates Chasma internal ridge, profile c1p6

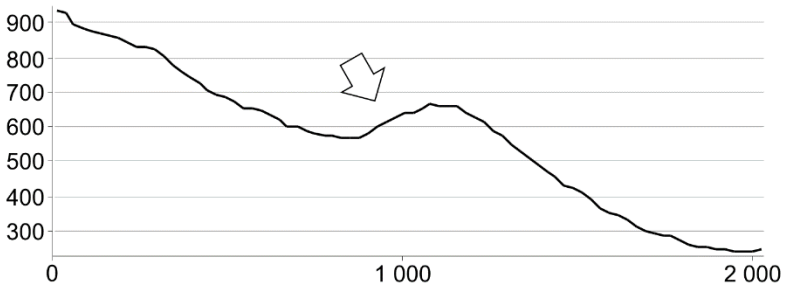


Individual profiles perpendicular to the interpreted faults:

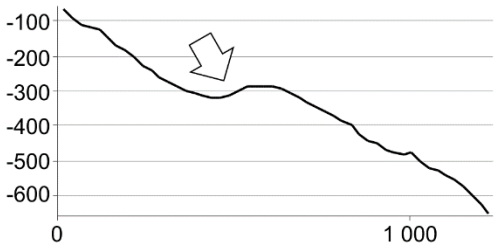
- faults 1 and 2



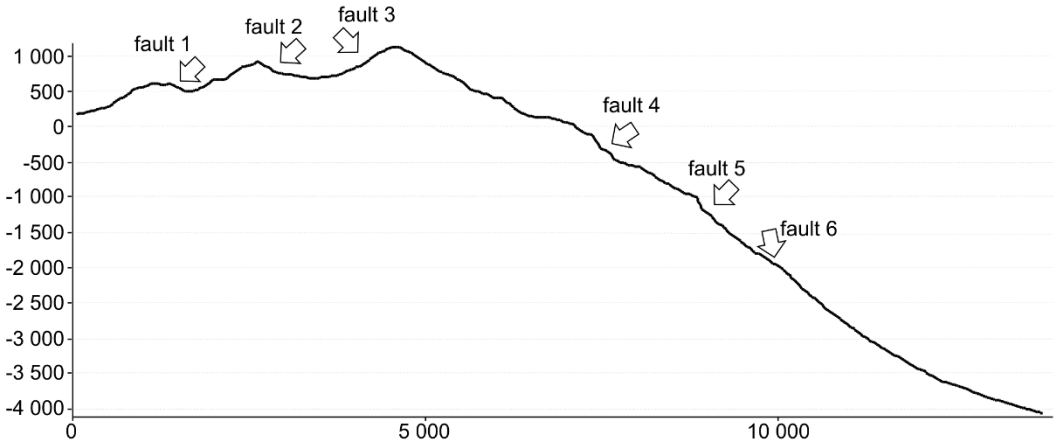
- fault 3



- fault 4

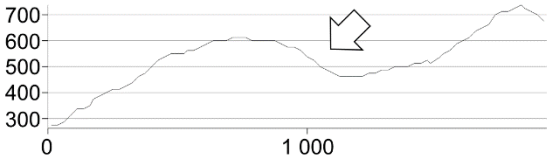


Coprates Chasma internal ridge, profile c2p1

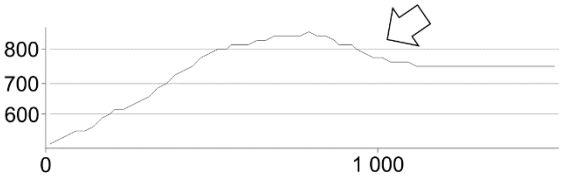


Individual profiles perpendicular to the interpreted faults:

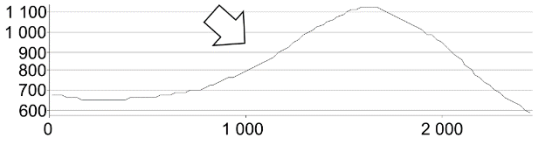
- fault 1



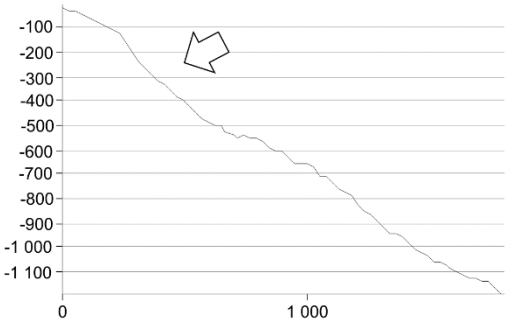
- fault 2



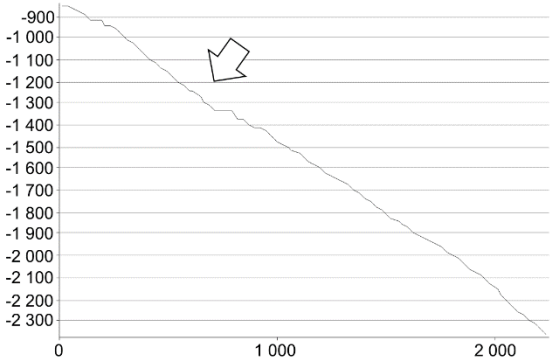
- fault 3



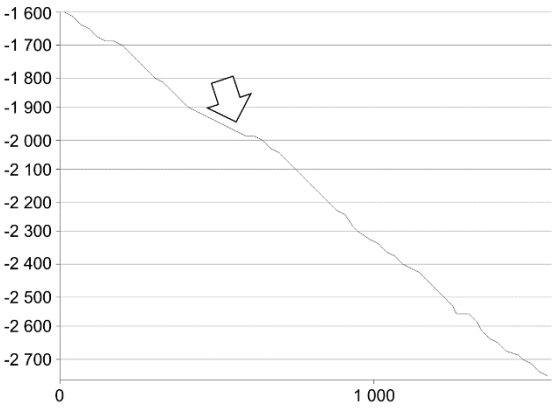
- fault 4



- fault 5



- fault 6



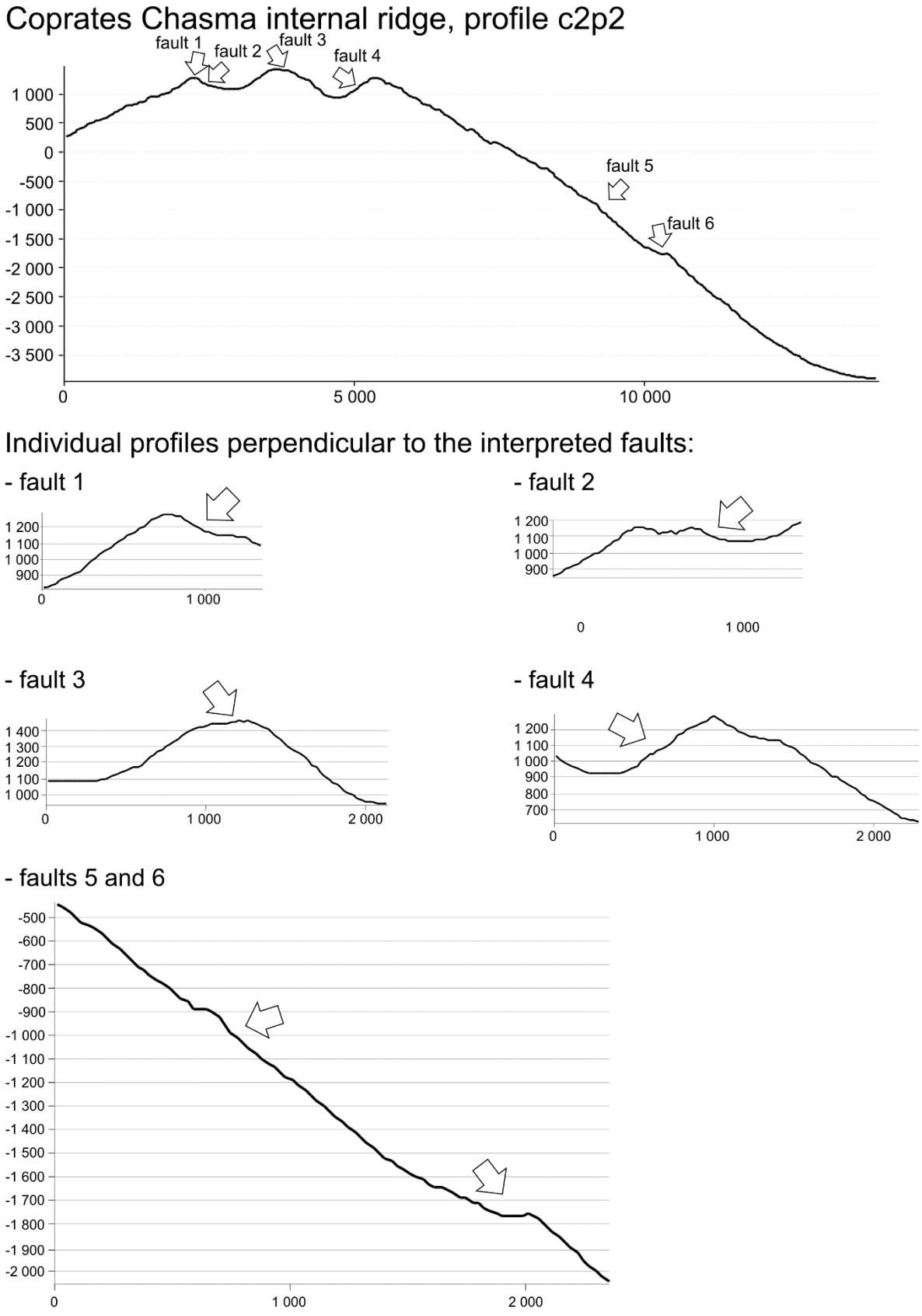


Figure 7.13. Profile c2p2.

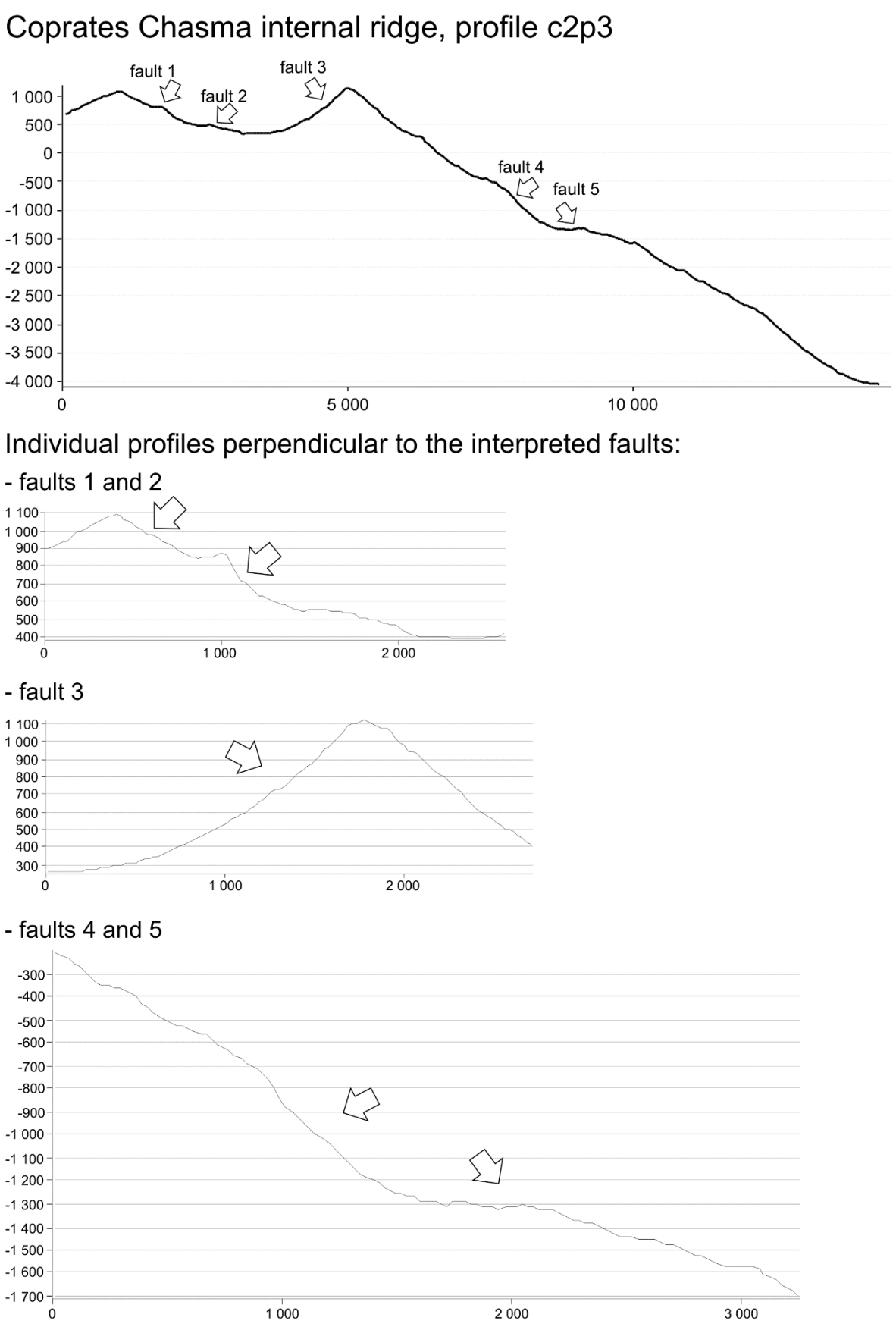
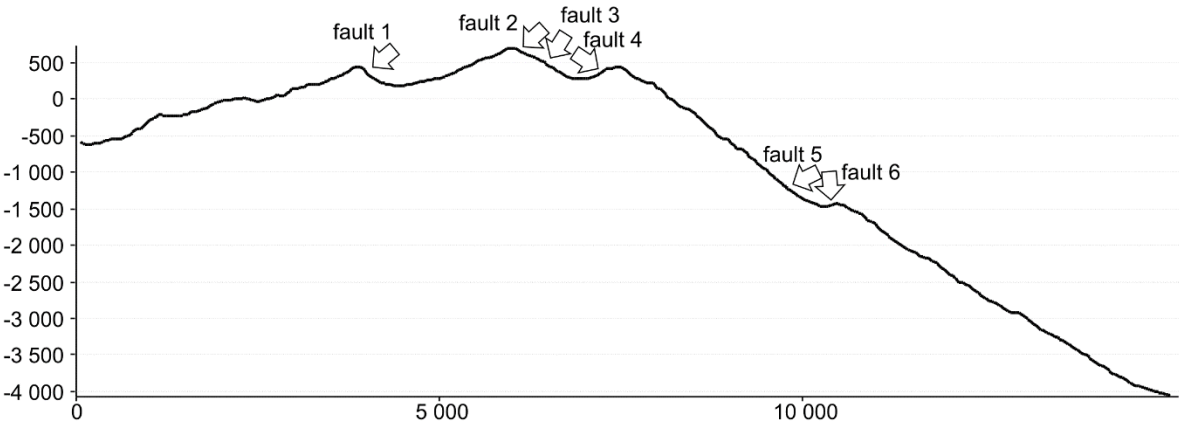


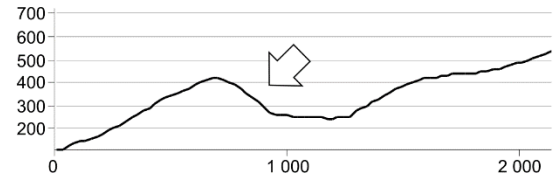
Figure 7.14. Profile c2p3.

Coprates Chasma internal ridge, profile c2p4

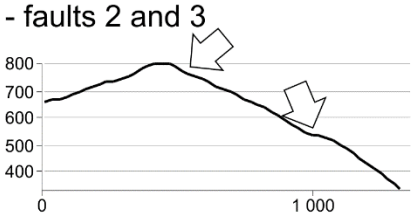


Individual profiles perpendicular to the interpreted faults:

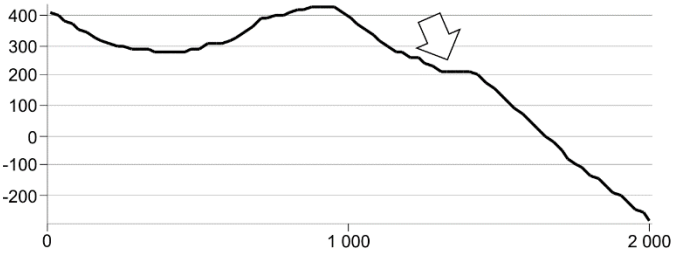
- fault 1



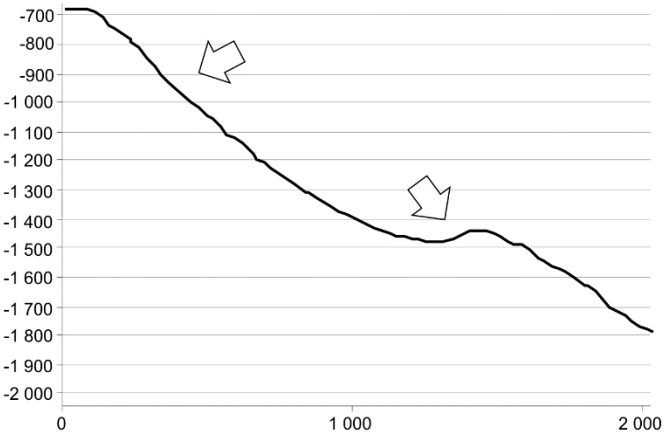
- faults 2 and 3



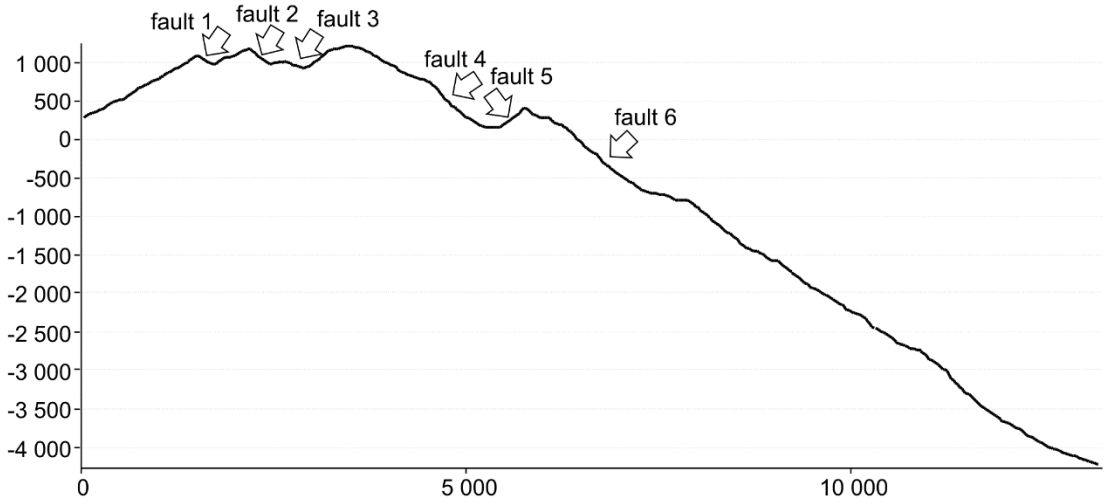
- fault 4



- faults 5 and 6

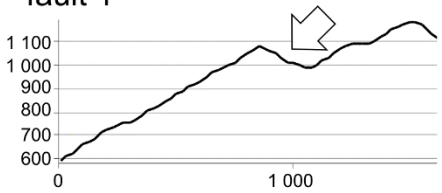


Coprates Chasma internal ridge, profile c2p5

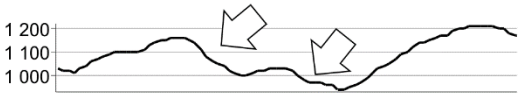


Individual profiles perpendicular to the interpreted faults:

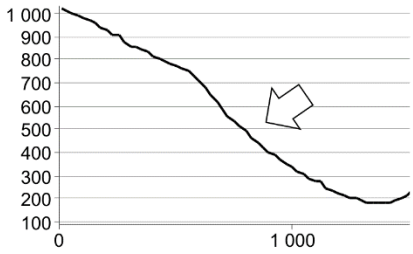
- fault 1



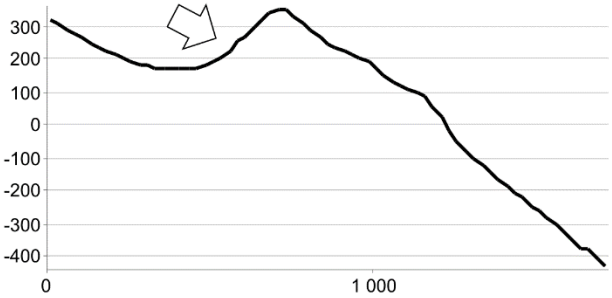
- faults 2 and 3



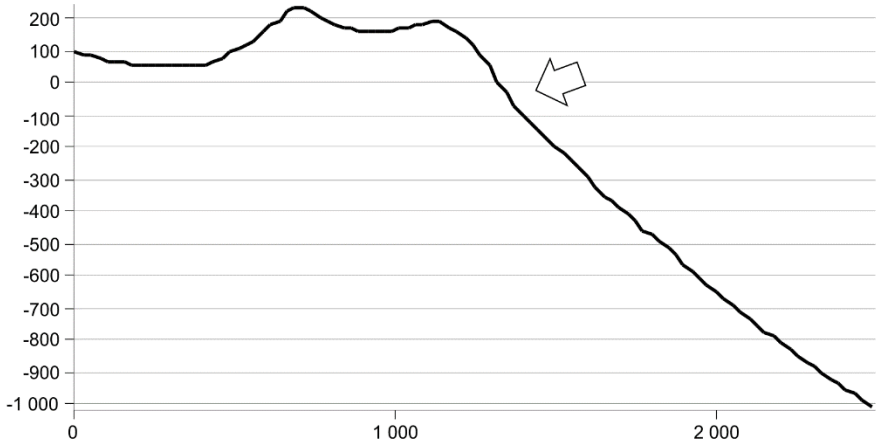
- fault 4



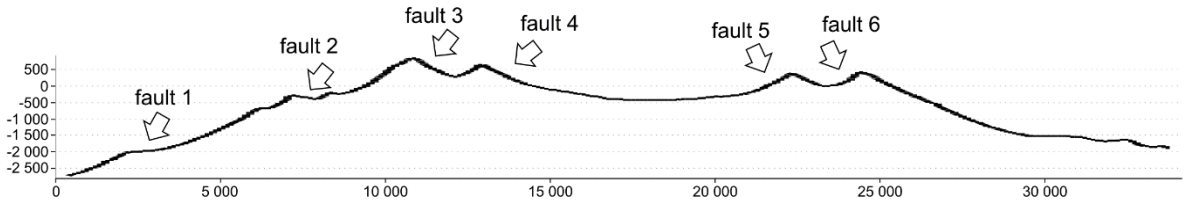
- fault 5



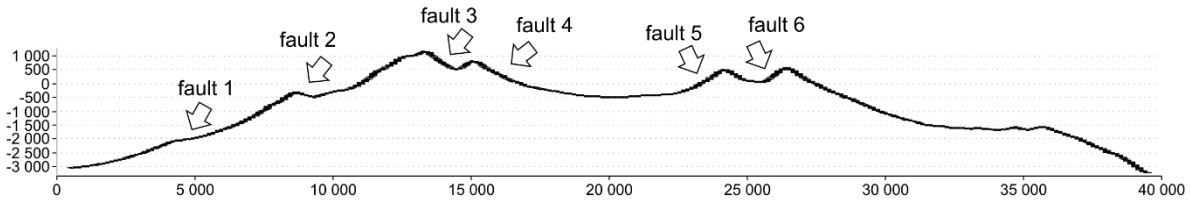
- fault 6



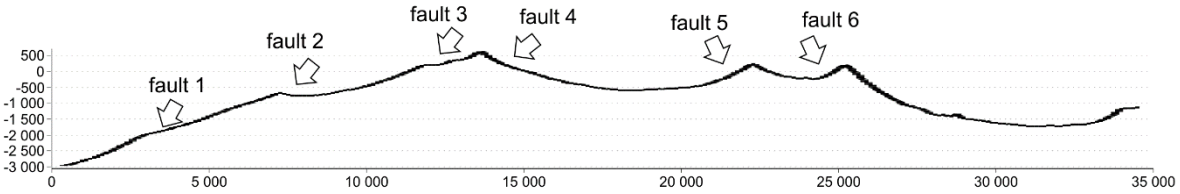
Melas-Candor boundary ridge, profile mc1



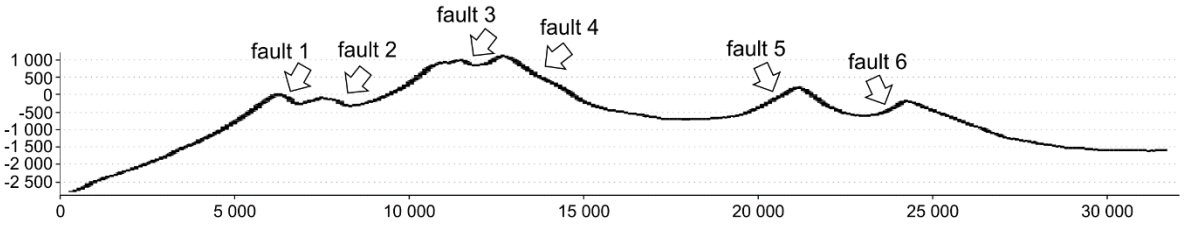
Melas-Candor boundary ridge, profile mc2



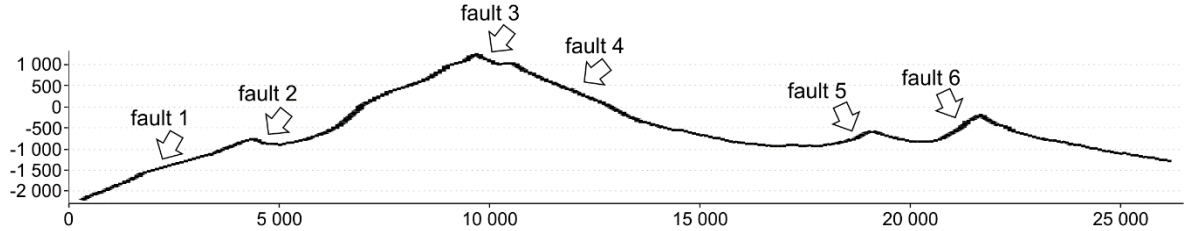
Melas-Candor boundary ridge, profile mc3



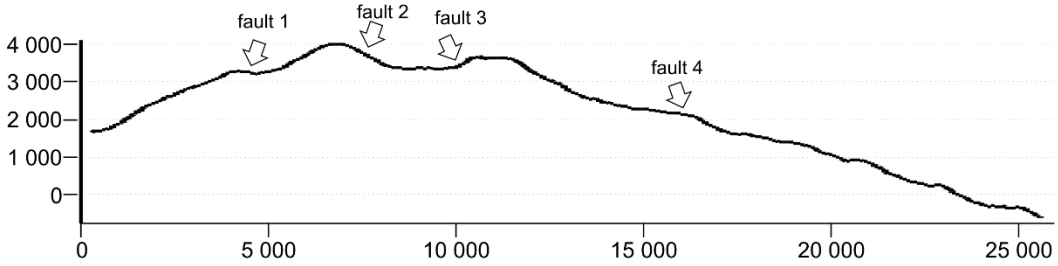
Melas-Candor boundary ridge, profile mc4



Melas-Candor boundary ridge, profile mc5

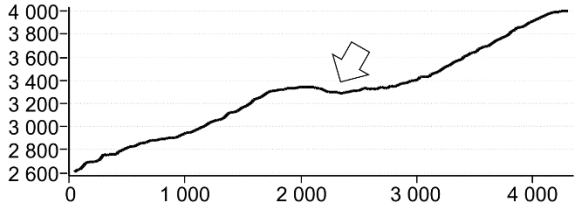


Candor-Ophir boundary ridge, profile co1

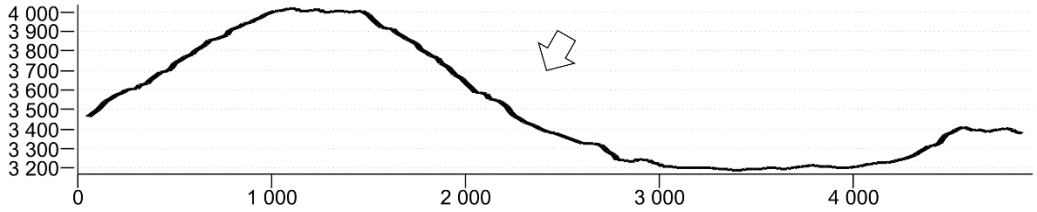


Individual profiles perdendicular to the interpreted faults:

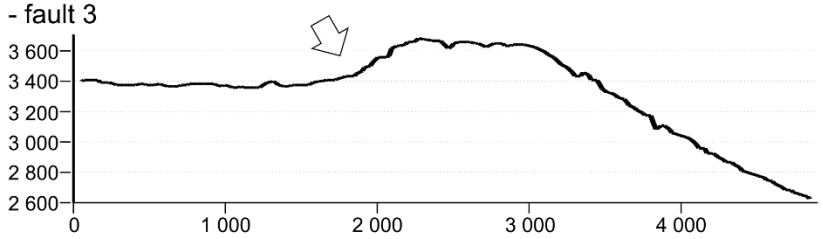
- fault 1



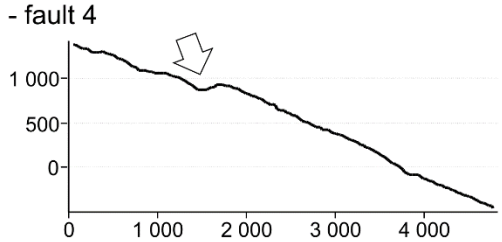
- fault 2



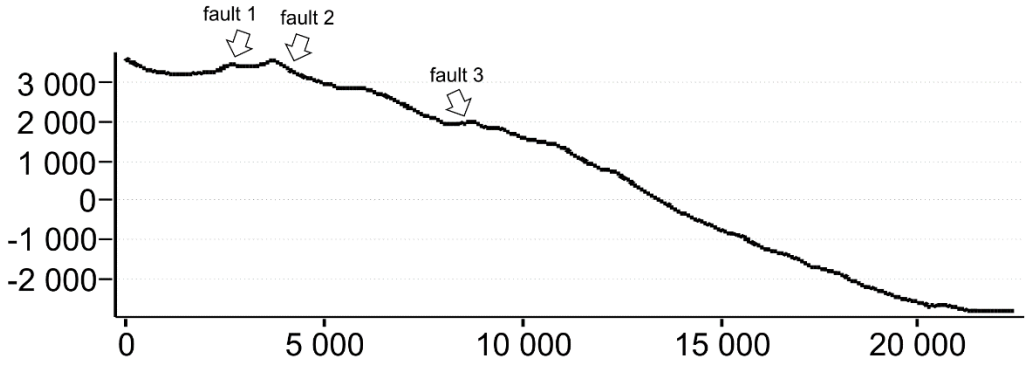
- fault 3



- fault 4

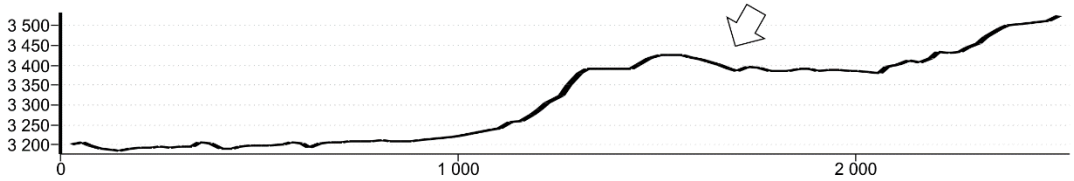


Candor-Ophir boundary ridge, profile co2

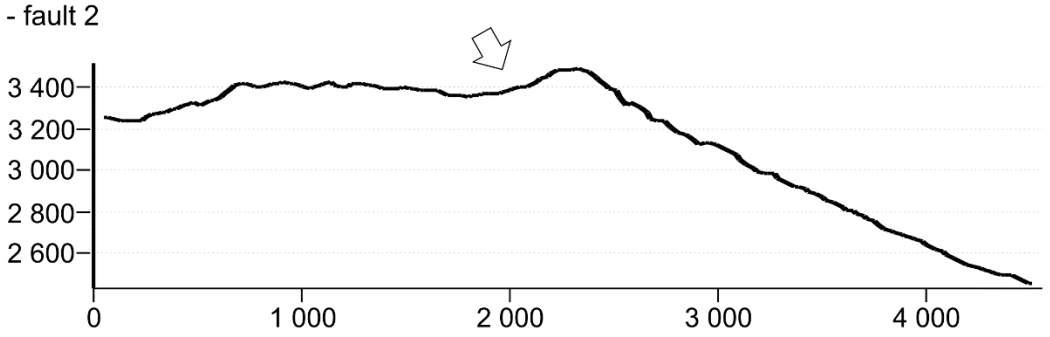


Individual profiles perpendicular to the interpreted faults:

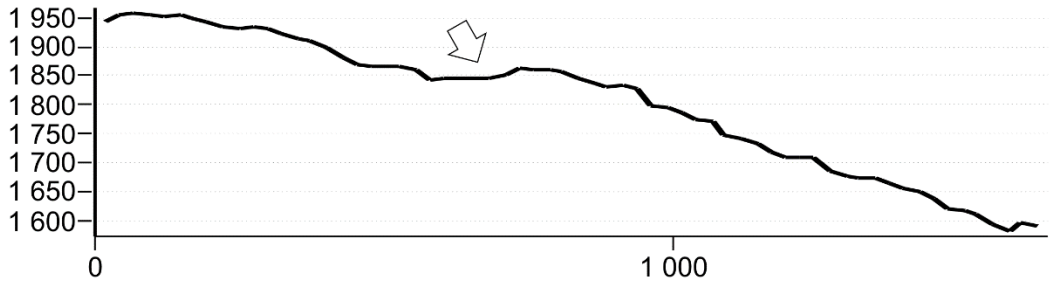
- fault 1



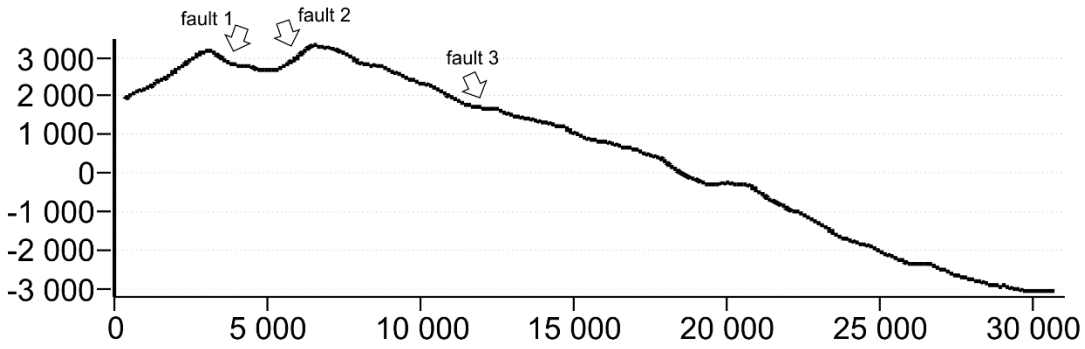
- fault 2



- fault 3



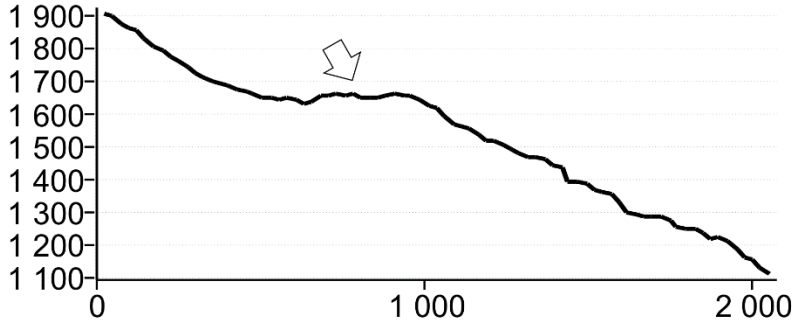
Candor-Ophir boundary ridge, profile co3



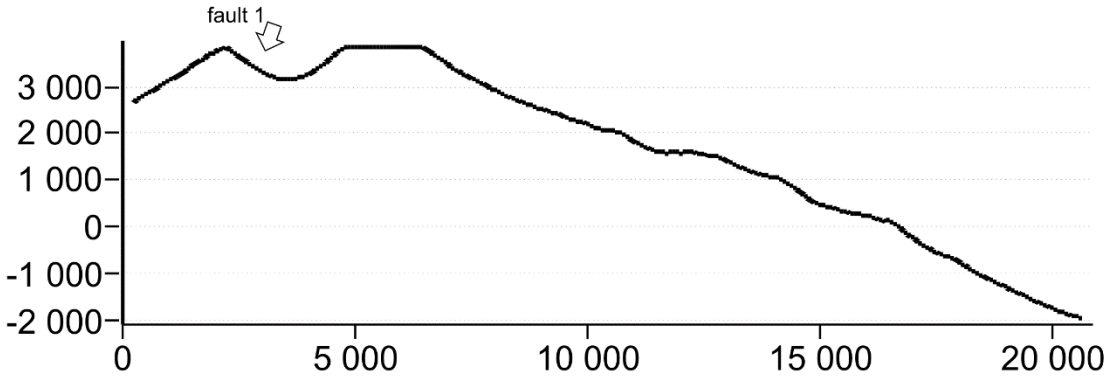
Individual profiles perpendicular to the interpreted faults:

- faults 1 and 2

- fault 3

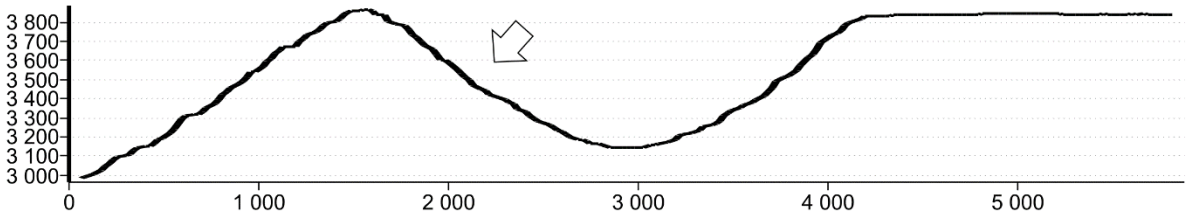


Candor-Ophir boundary ridge, profile co4

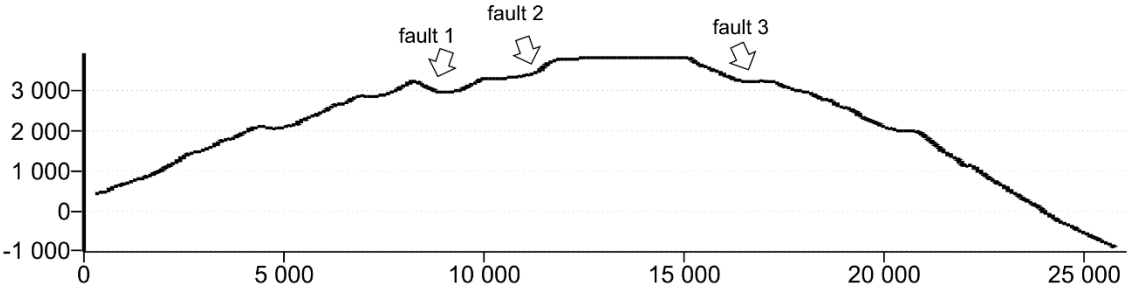


Individual profile perpendicular to the interpreted fault:

- fault 1

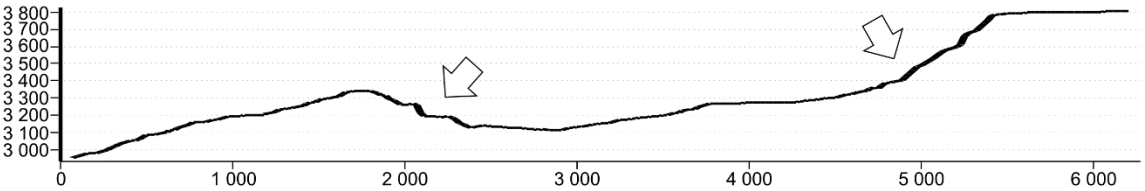


Candor-Ophir boundary ridge, profile co5

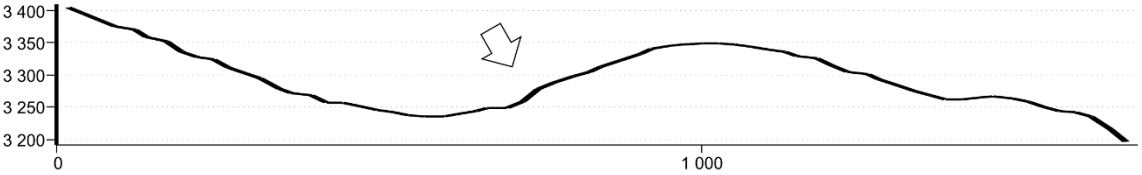


Individual profiles perpendicular to the interpreted faults:

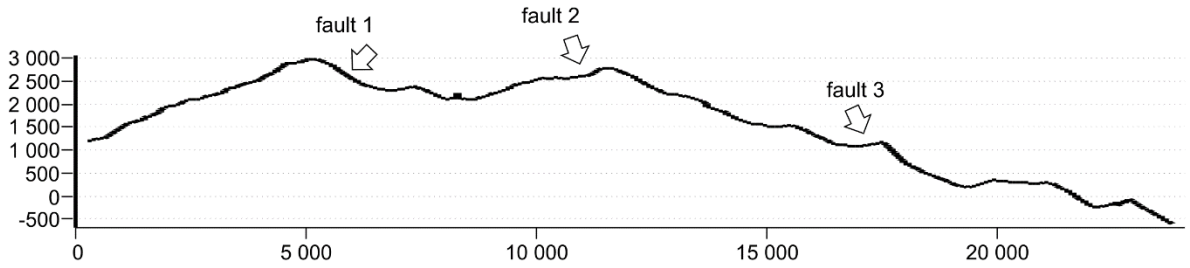
- faults 1 and 2



- fault 3



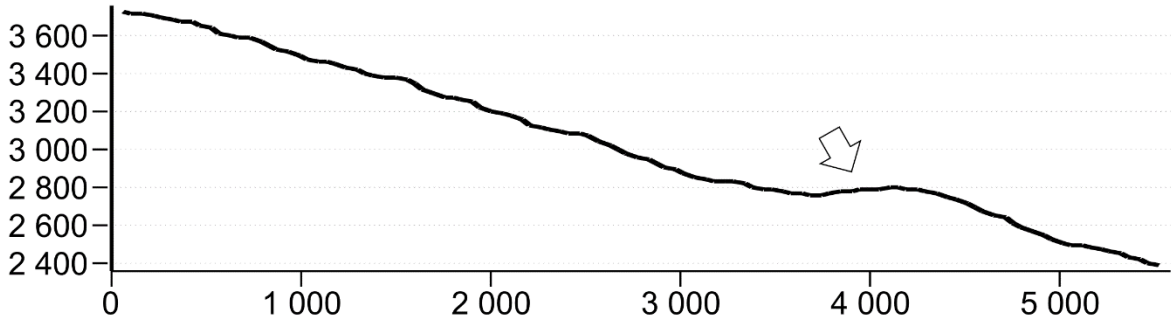
Candor-Ophir boundary ridge, profile co6



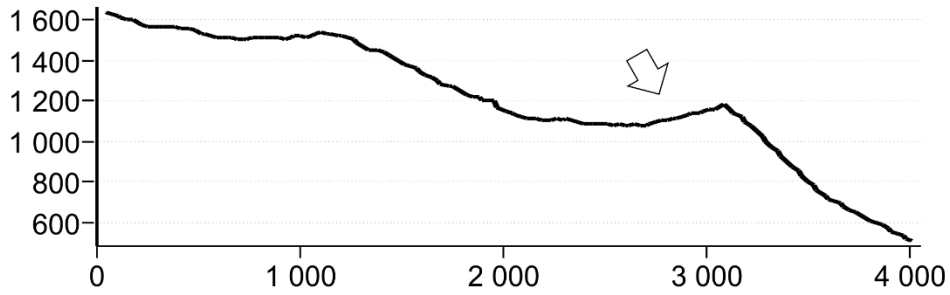
Individual profiles perpendicular to the interpreted faults:

- fault 1

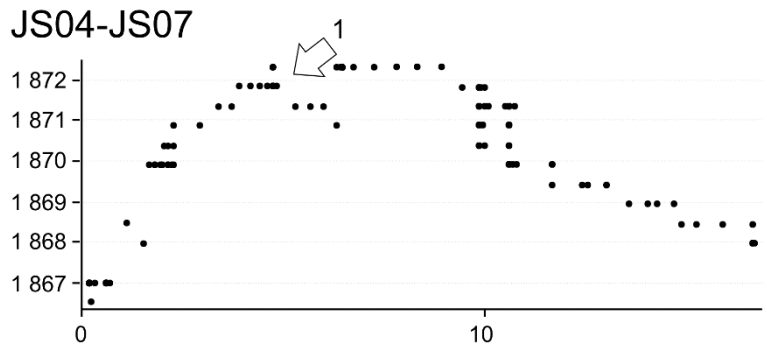
- fault 2

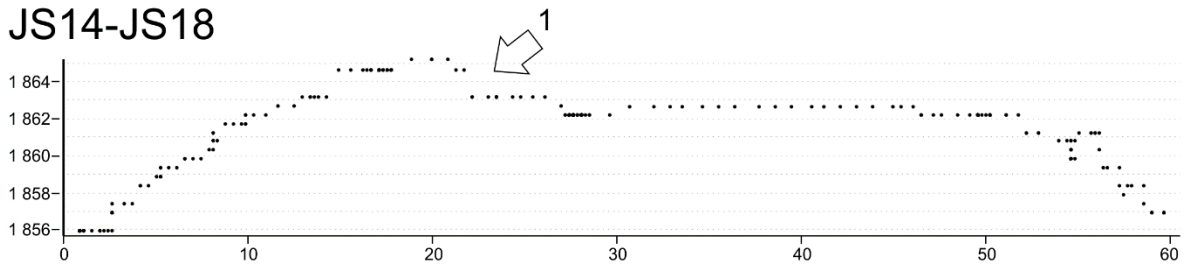


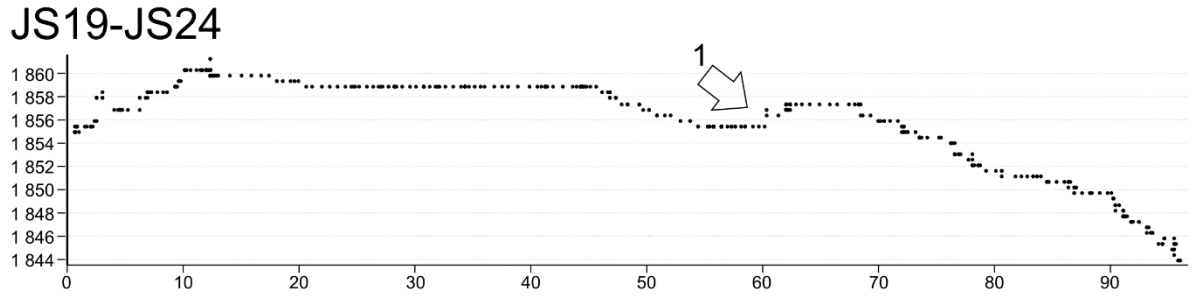
- fault 3

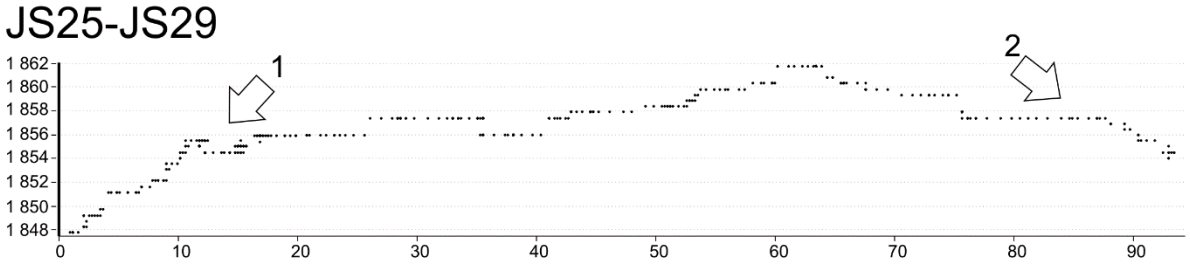


SITE T1 – Jamnícke Sedlo

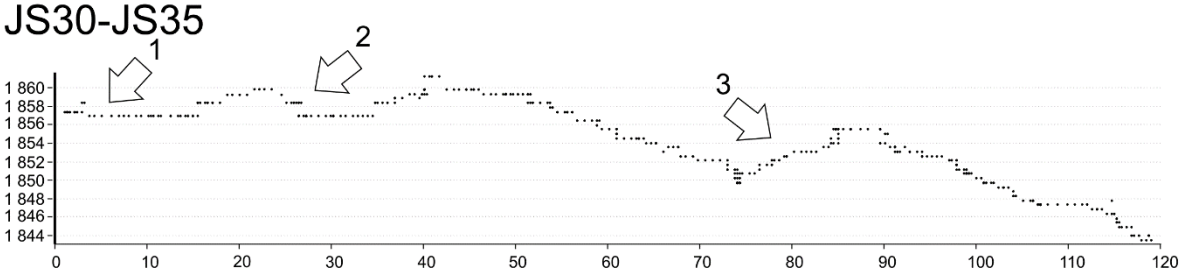




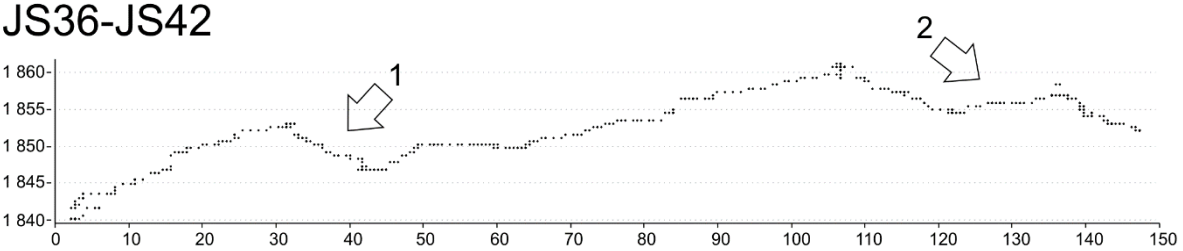




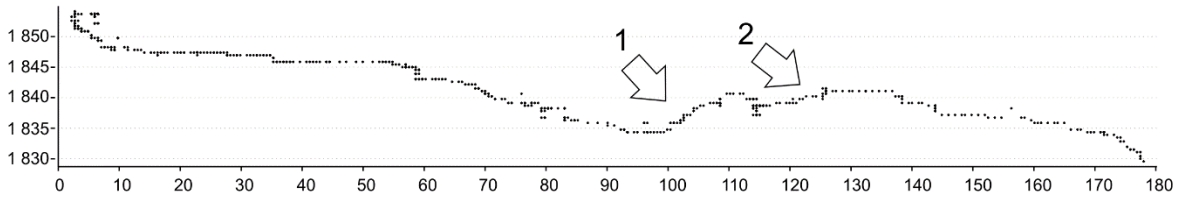
JS30-JS35



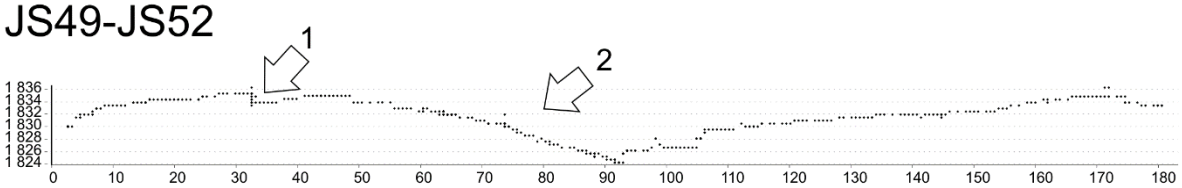
JS36-JS42



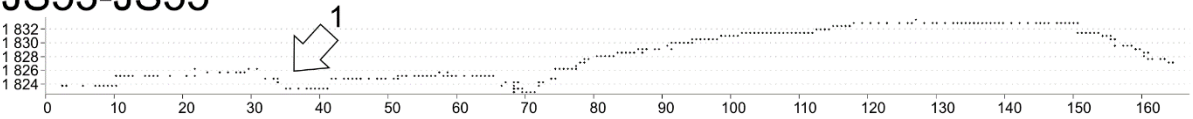
JS43-JS48



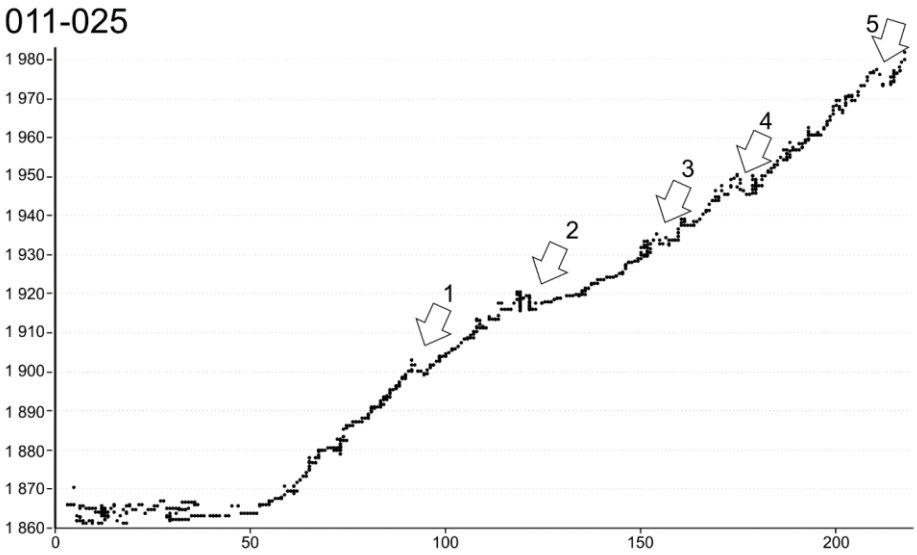
JS49-JS52

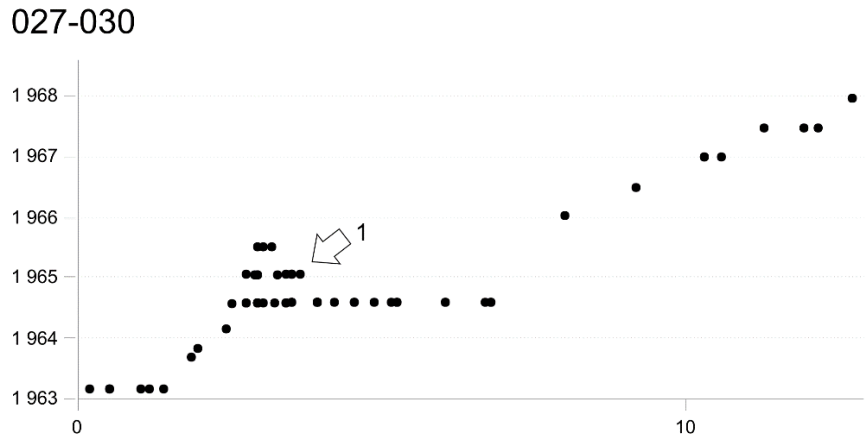


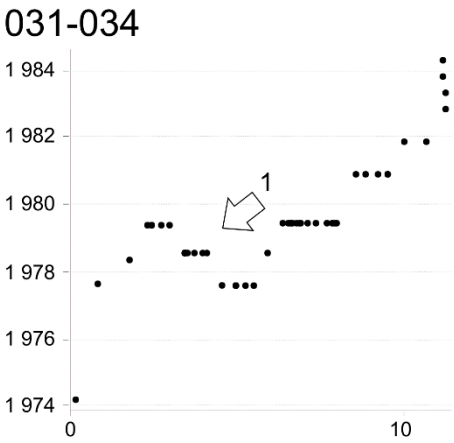
JS53-JS55



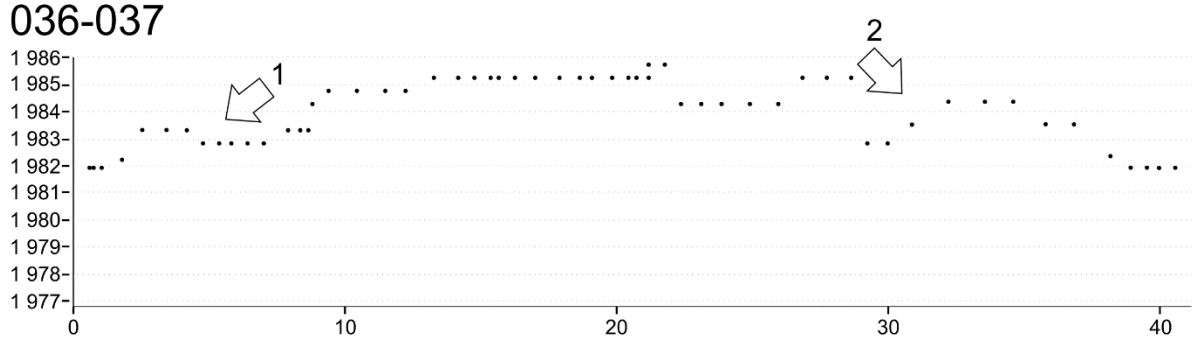
SITE T2 – Vel'ká Garajova Kopa



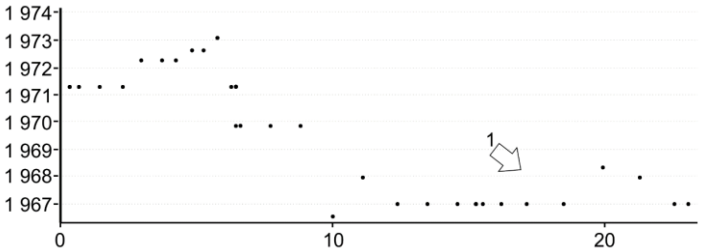




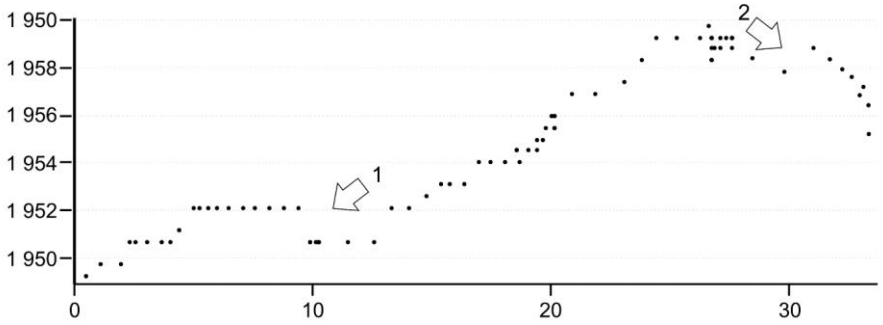
036-037



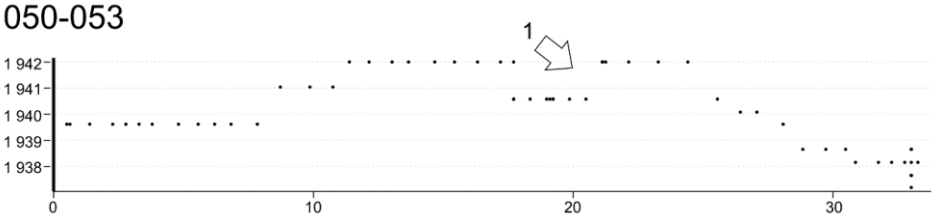
038-041



042-046

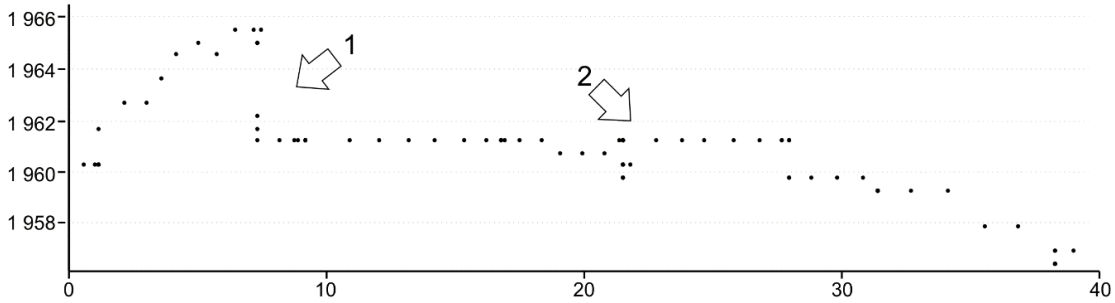


050-053

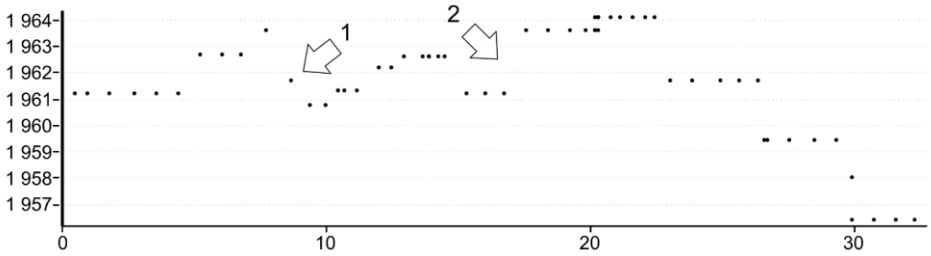


054-057

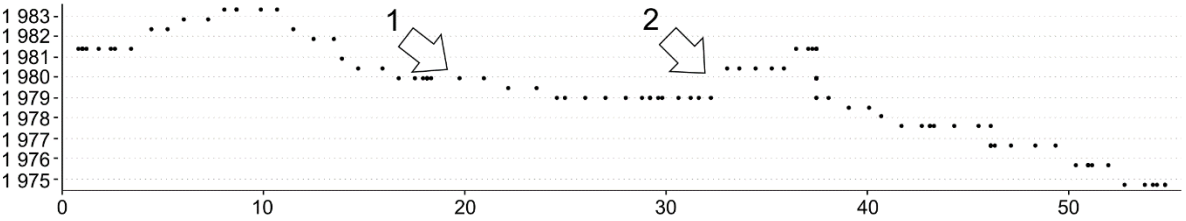
058-065



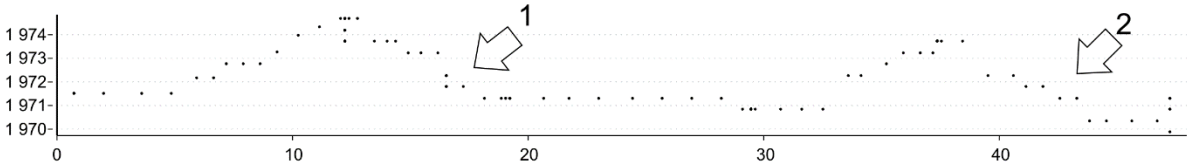
066-071



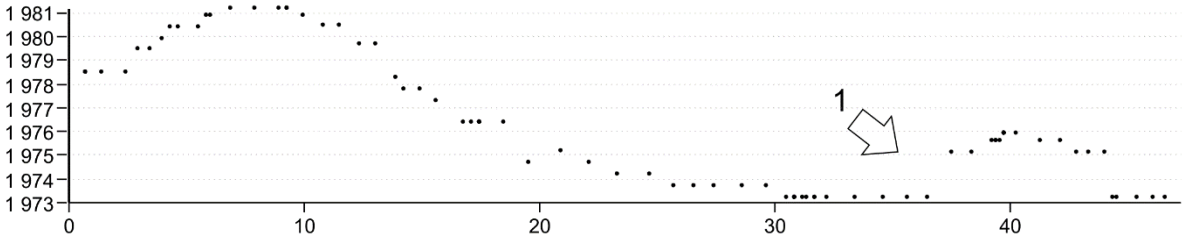
072-080



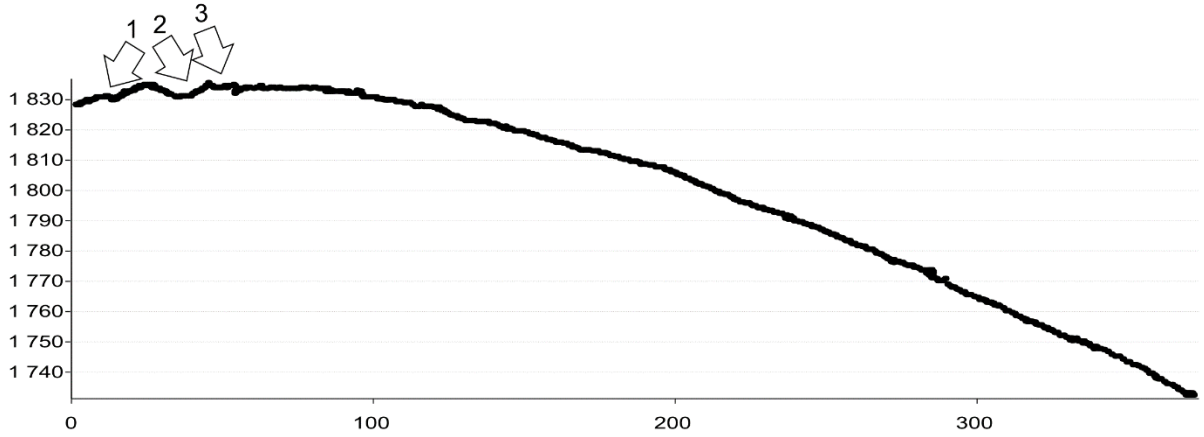
080-085



087-092

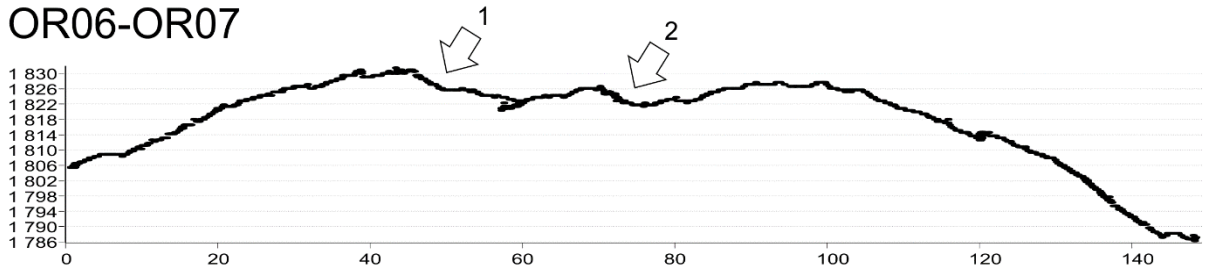


OR02-OR03

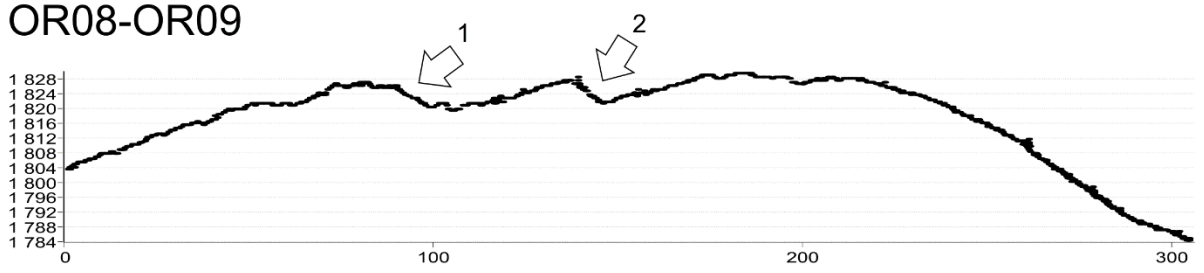


OR04-OR05

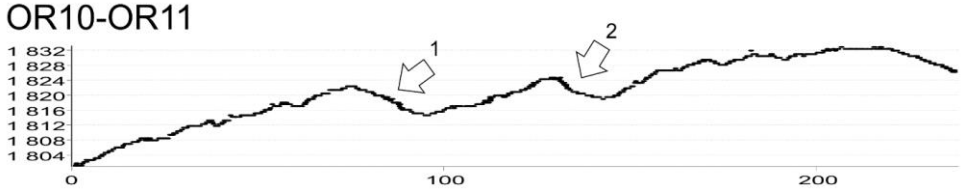
OR06-OR07



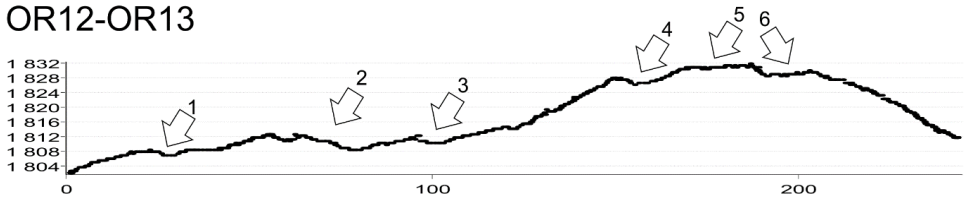
OR08-OR09



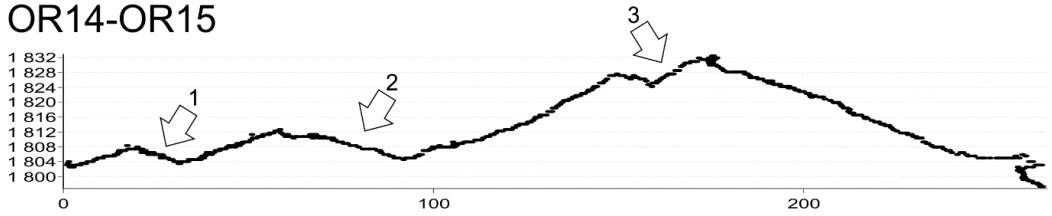
OR10-OR11



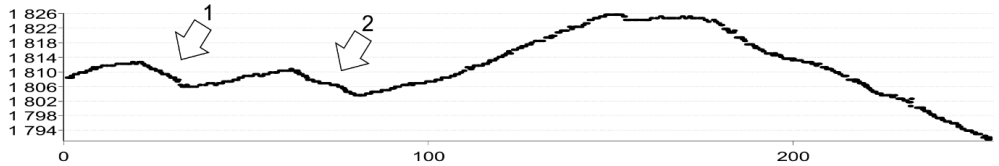
OR12-OR13



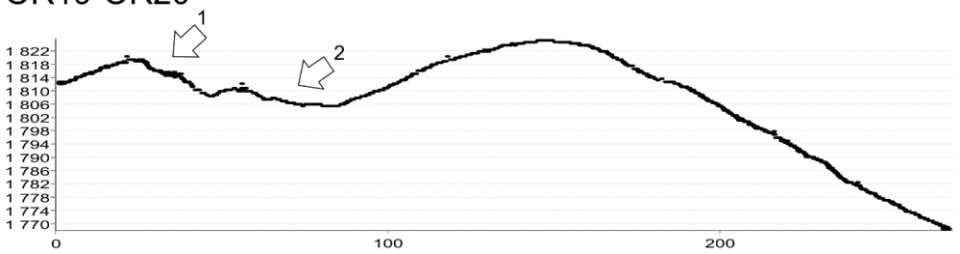
OR14-OR15



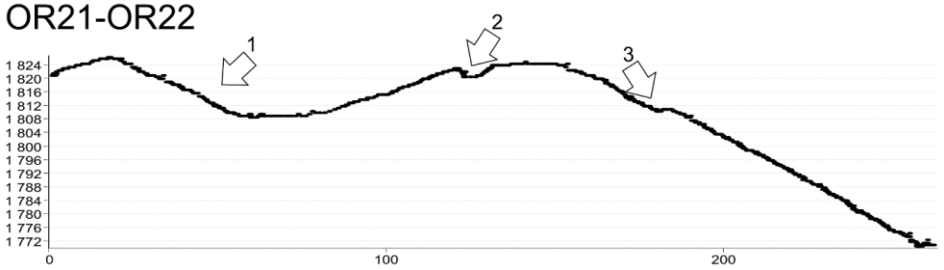
OR16-OR18



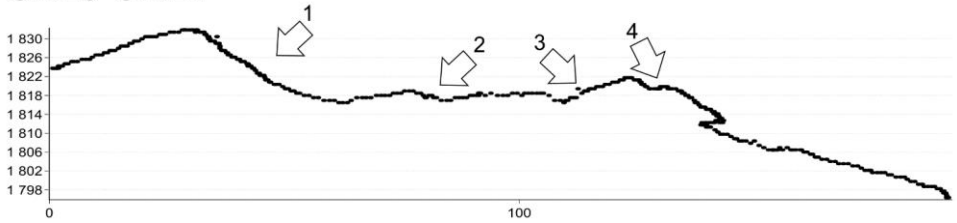
OR19-OR20



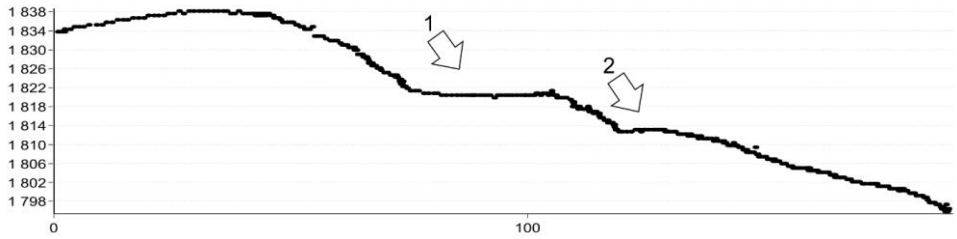
OR21-OR22



OR23-OR24



OR25-OR26



OR27-OR28