



Supplement of

**Oblique reactivation of lithosphere-scale lineaments controls rift
physiography – the upper-crustal expression of the Sorgenfrei–Tornquist
Zone, offshore southern Norway**

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Supplementary Figures

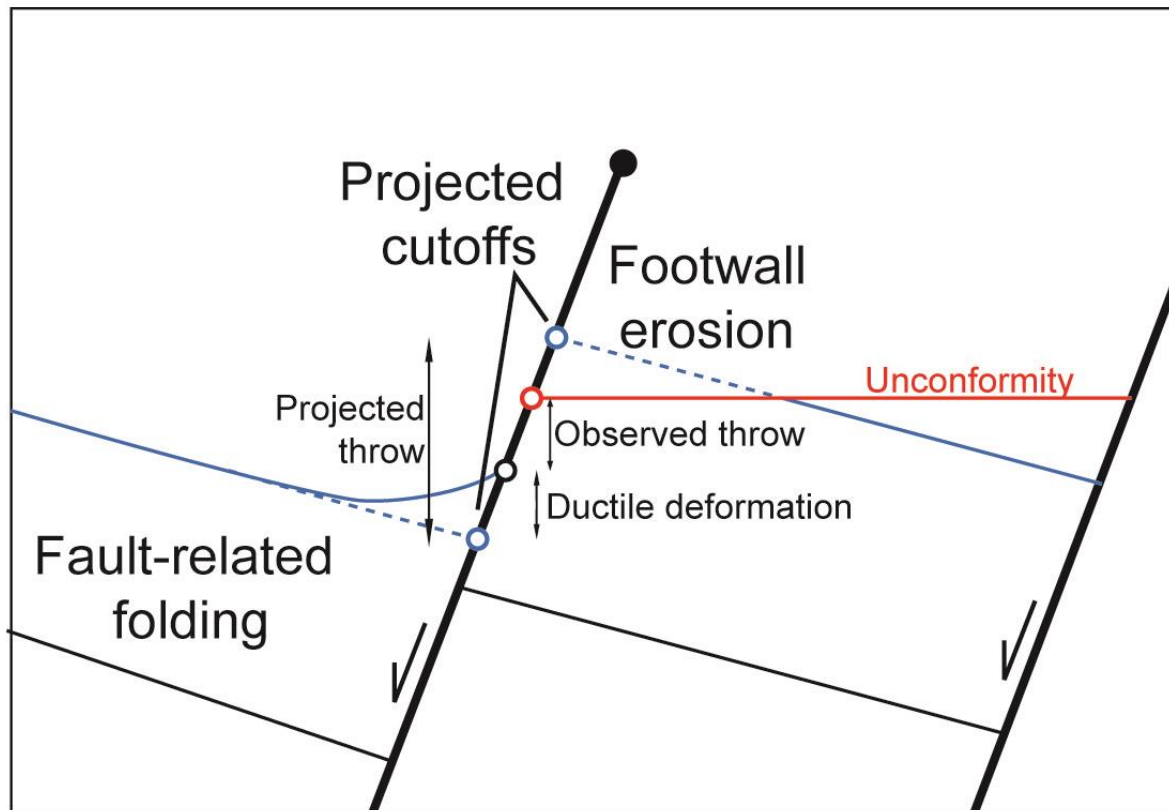


Figure S1 – Schematic diagram showing the details of fault projections when undertaking quantitative fault analyses

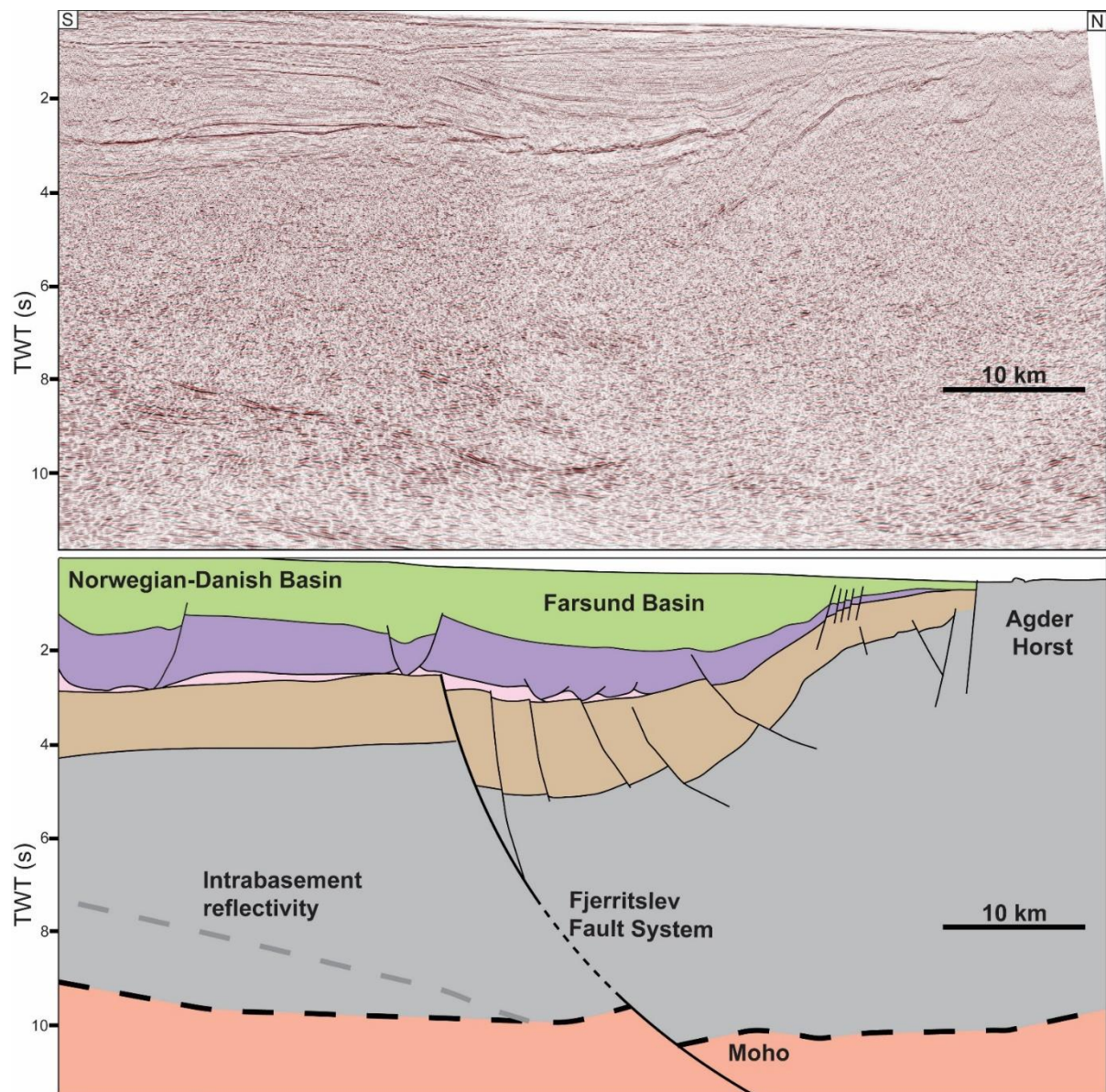


Figure S2 – Additional seismic section showing potential offset of the Moho by the Fjerritslev Fault System. See Figure 1c for location.

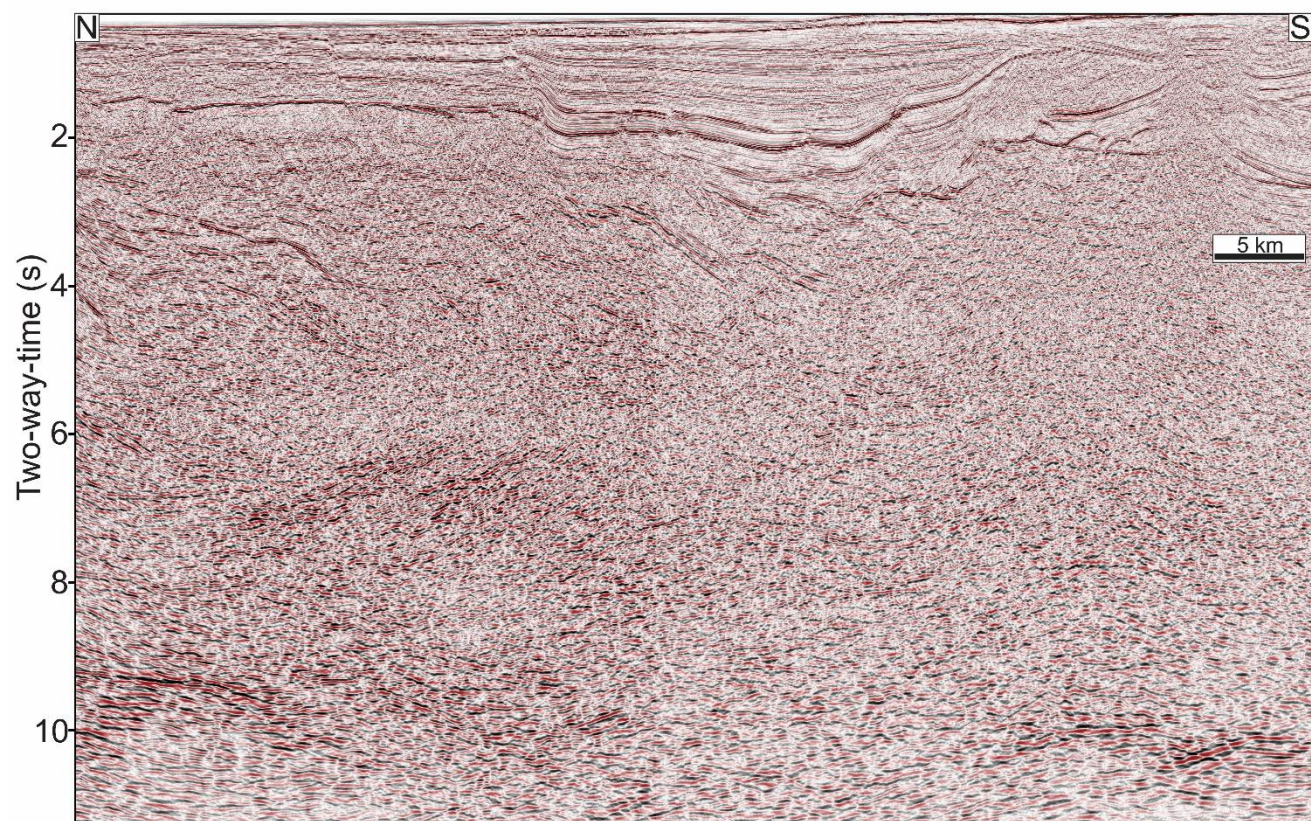


Figure S3 – Uninterpreted seismic section of Fig. 2.

Dataset	Data type	Acquisition year	Record length (ms TWT)	Streamer length (m)	Fold	Shot interval (m)	Polarity (SEG convention)	Processing steps
MC2D FAB 2003	2D	2003	7000	6000	120	25	Reverse	2D SRME Hi-res radon demultiple Kirchoff PSTM
GFR-93	2D	1993	12000	4500			Reverse	
NSR03-07	2D	2003-2007	9216	8087			Reverse	
ST9211	2D	1992	7000	3000			Reverse	
NH0504	3D	2005	4040	3000			Normal	

Table S1 – Table showing the available acquisition and processing parameters for seismic datasets used throughout this study