

## List of modifications

We have adopted all but very few of the modifications suggested by the editor. Line numbers refer to the pdf file "se-2020-188-comments-to-author". In the list below, "corrected" refers to technical errors, "modified" to adoption of the editor's preferred formulation, and "rephrased" to more extensive reformulation. For convenience we have highlighted the instances where we don't follow the editor's suggestions.

l. 14: clarified

19: modified according to suggestion

20: "Paleogene" deleted

24: corrected, references added

27: modified

30: corrected

35 (Fig 1): [Fault pattern is originally not from cited reference but Geological Map of Poland. The compilation shown here is based on Kley & Voigt \(2008\) as indicated.](#) Other changes made.

p. 2, bottom, [location of Fig. 2: Not an overview map but referring to thickness variations in the Lower Saxony Basin first described in chapter 4.](#)

47: modified

74: [Unchanged. Since most basins we discuss are closer to the Alps than the Carpathians their inversion is unlikely to have been caused by events in the Carpathians.](#)

77: corrected

79: corrected

83: corrected

86: Rephrased to conform with cited reference

89: corrected

93-99: corrected, 94: rephrased

107: [unchanged. Here, we really mean deposition directly on the unconformity surface, not generally above it.](#)

113: [unchanged. All references cited thereafter are more recent than those cited before, but not exactly recent anymore \(e.g., 2005\).](#)

133: rephrased

134 ff. (not marked by editor): rephrased, additional references included

139: rephrased, reference to Fig. 1 added.

146: "in the basins studied" added

157: rephrased

177: modified

182: Fig. 1, changed labels to P and L-S-H, added label NSB, modified caption.

194: corrected

198: corrected

203, 204: corrected

210: rephrased

212: references added

227: corrected

228: Deleted "The"

**246:** Late Cretaceous marginal troughs of the North-Sea, accompanying the inverted Sole Pit Basin, Broad Fourteens Basin and the Central-Netherlands Basin, the Oldenburg and Münsterland Basins in northern Germany, and the marginal troughs at the Mid-Polish Swell and the Danish Basin were filled with autochthonous and re-deposited fine-grained deposits, marls, hemipelagic limestones, and chalks.

249, 253: Modified

256: Reference to Fig. 1 added

290: added "elastic"

291: modified

302: modified

308: modified

336: corrected

338: Label added to Fig. 3

343: corrected

363: changed: "thicknesses"

397,398: corrected

421: corrected

435: modified

439: modified

452: corrected

458: clarified

474: corrected

480-482: corrected lower case, retained "regardless of", added "or not"

495: Dutch

500, 501: modified

538: modified: (Cenomanian thickness has not been studied yet in detail)

560: modified

569: [Timing is explained in the next few sentences](#)

574: rephrased

575: modified

635: corrected

708: added "major", [otherwise unchanged. As basin inversion with no clearly observable reverse reactivation of normal faults does occur, we think the meaning is clear.](#)

760: corrected

764: modified

772: [It's in the following sentence](#)

785: rephrased

796,797: modified

819: modified

904: corrected