

## **Figure orders**

In the text timing of PF is discussed after chimney observations are presented. Therefore Fig. 4 (which deals with timing of PF) should be presented after the present Fig. 13.

## **Page 2**

L13: Replace "observed" with "described"

L21: Replace "(Hovland, 1983)" with "Hovland (1983)"

L23: Remove "are"

## **Page 3**

L8-11: Revise grammar, too many brackets. Consider "They were later called polygonal fault (PF) systems by Cartwright (1994). These faults were further described by Clausen et al. (1999) and Goulet (2008), although other observations show that these faults can host a whole range of different plan form geometries including concentric patterns (cf. Stewart, 2006, Chopra and Marfurt, 2007).

L27-29: Revise grammar. Consider "Particularly the following questions are addressed; (a) why are chimneys linear in planform and not circular or elliptical as observed elsewhere? (b) why do they occur specifically along certain parts of PF planes?"

## **Page 4**

L16: replace "basins" with "basin's"

L23: remove the comma

## **Page 5**

L24: replace "reorganizes" with "reorganising"

L29: replace "(Ho et al., 2013, see fig. 2a in)" with (see fig. 2a in Ho et al., 2013)

L30-31: replace "(Appendix 2c) (Carruthers, 2012)" with "(Appendix 2c and Carruthers, 2012)

## **Page 6**

L1 and 4: check this "(Carruthers, 2012, ?; Carruthers et al., 2013)"

## **Page 7**

L18-19: replace "(Hustoft et al., 2007, 2010)" with "Hustoft et al., (2007, 2010)"

## **Page 8**

L30: replace "fault's" with "fault"

## **Page 9**

L2: missing full stop

L3-8: replace with "Geometries of PFs in the Neogene-Quaternary deposits of Lake Superior, Hatton Basin and Vøring Basin indicate that their growth is very recent and could occur to the present day seafloor (Berkson et al., 1973; Jacobs, 2006; Berndt et al., 2012; Laurent et al., 2012). Recently Sonnenberg et al., (2016) confirmed that PFs grew close to the seafloor with evidence of fault scarps filled by onlapping syn-sedimentary strata."

L9 replace "new evidence has shown to support" with "new evidence supports"

L9-10 delete "A previous study"

L19: Replace "15ms" with "15 ms". Check the rest of the text for errors of this type.

L32: delete space after "carbonates"

## **Page 10**

L34: replace "can not" with "cannot"

## **Page 11**

L11: there is something odd about this line, check it

L17: why does line start "2)"?

L26: why does line start "3)"? This appears to be a list of paragraphs, but I do not see 1), unless this is in L11?

## **Page 12**

L6: replace "19%" with "19 %". Check the rest of this document for errors of this type.

L22: check this: "In literature, numerical models of ? shows that fluid pressure"

## **Page 15**

L27: remove the comma

## **Page 16**

L2: remove the comma

**Fig 9c**

If this is a map of a NHAA, why is amplitude scale on map only positive?

**Fig 16**

In caption replace “right column)” and “left column)” with “right column:-“ and “left column:-“ respectively