

Reviewer #1

General Comments:

Lines 143-146: These sentences describe the transition of the nodal units from 3D to 2D measurement, but it could be clearer why 213 units were moved to the 2D line when 49 units are not located on the 2D profile. I interpret the section to mean that 164, not 213 units, were moved to the 2D profile.

Response: We now write "Once the 3D survey was completed 164 nodal units were moved and placed along the remaining parts of the 2.8 km long 2D profile (N-S blue line in Fig. 3a with the central part coincident with a 3D source line) To further increase the coverage of the 3D area, the another 49 units were placed along one of the source lines leading to the Nore-2 borehole."

Lines 209-211: I am not entirely clear on the difference between the statements in these two sentences ("average velocity is no greater than", "average velocity is less"). The second sentence with "Above this depth" refers, in my understanding, to depths from 0-580 m and thus to the same range as in the preceding sentence.

Response: We now write "Given these tube wave generation depths it is found that the average velocity is no greater than 3100 m/s down to about 580 m below the surface (Fig. 7), as also can be seen from the green line in Figure 8a for the calculated DAS interval velocities."

Technical Comments:

Since I am not a native English speaker, my grammatical suggestions should be verified.

Text

Line 141: Remove additional space after "deployment #2 in Fig. 3b".

Line 144: Missing punctuation at the end of the sentence.

Line 256: Third person singular, "do" should be changed to "does".

Line 257: Singular instead of plural, "variations" should be changed to "variation".

Line 261: "of" is missing after "number".

Line 276: Singular instead of plural, "sources gather" should be changed to "source gather".

Line 283: Word order, "much better matches" should be changed to "matches much better".

Response: All above changed.

Figures

Figure 3, Caption Line 2: Missing space in "the3D".

Figure 4, Caption Line 2: Capitalize "Source" at the beginning of the sentence.

Response: All above changed.