We would like to thank the reviewer for their helpful comments. Here is our answers.

***Comment:*** *In this paper the authors propose a method to extract positive and negative peak velocity profiles from Doppler echocardiographic images.*

*The proposed approach is based on intensity calculations and two different thresholding methods have been proposed and tested.*

*In general, the paper is well written and clear. However, there are some minor points to address.*

***Comment:*** *1.    A minor mistake is in raw 81: the range is [0,255] and not [0, 256].*

**Answer:** Thanks. This is now fixed in the revised manuscript.

***Comment:*** *2.    The authors should explain and motivate the meaning of “consistent” in raw 225.*

**Answer:** We meant that the general trend (e.g. overestimating the profiles by one method and underestimating by another one) was seen in the results for other images as well.

***Comment:*** *3.    Information about the hardware and software resources used to implement the system*

**Answer:** Thanks. These information are provided in the second paragraph of the Materials and Methods section.

***Comment:*** *4.    And finally, but more important, the paper presents only some examples without any groundtruth and any quantitative measure useful to better evaluate the performance of the proposed method. A visual analysis of the results is not enough to confirm the goodness of the algorithm. At least the authors should add a visual and numerical comparison with a possible groundtruth proposed by experts.*

*In my opinion the paper is suitable for publication in the Journal after just the suggested minor corrections.*

**Answer:** To address this concern, we added the following to the manuscript. The E waves and A waves were manually calculated by the study specialists. These values were also calculated from the peak velocity profiles estimated using both thresholding methods for both raw and smoothed images. These results are listed in Table 2 and discussed in the results section.