Studying the ISM at ~ 10 pc scale in NGC 7793 with MUSE

I. Data description and properties of the ionised gas (Corrigendum)

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The parametrisation of the MUSE line spread function (LSF) provided in the original paper refers to the instrumental full width at half maximum (FWHM) and not to σ , as mentioned in the text and erroneously assumed when fitting the $H\alpha$ line. Figure 1 shows the revised $H\alpha$ velocity dispersion map. Figures 2 and 3 illustrate the updated ‘BPT- σ ’ line ratio diagram and $\sigma_{H\alpha}$ distribution. For the latter distribution, we now recover median values ($\pm$ first, third quartiles) of $\sigma_{H\alpha, HII} = 18.8^{+5.2}_{-6.1} \text{ km s}^{-1}$ and $\sigma_{H\alpha, DIG} = 26.1^{+5.4}_{-5.3} \text{ km s}^{-1}$. The general trends stated in the original paper remain unchanged.

In the original manuscript there has also been a mistake in the computation of the fraction of diffuse ionised gas (f_{DIG}). The corrected fractions are the following: $f_{DIG} \sim 15\%$ (21%) for the $H\alpha$ sample and $f_{DIG} \sim 21\%$ (27%) for the $H\alpha/[SII]$ sample, where we have indicated the values prior to reddening correction in parenthesis.

Fig. 1. Revised version of Fig. 3 from the original paper.

Fig. 2. Revised version of Fig. 18 from the original paper.

Fig. 3. Revised version of Fig. 19 from the original paper.