



## Author Correction: Evidence for a vast prograde stellar stream in the solar vicinity

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Correction to: *Nature Astronomy* <https://doi.org/10.1038/s41550-020-1131-2>, published online 6 July 2020.

In the version of this Article originally published, the number of stars that can be attributed to Nyx with high confidence was given as 200; however, due to an error in the calculation of the probabilities of stars belonging to a particular kinematic structure, the number of stars is actually 90. As a result, edits have been made to the text of the paper and the relevant data in Figs. 1–3, and Supplementary Figs. 1–7 have been updated. The Supplementary Information PDF has also been updated.

The following changes have been made to the text:

- In the abstract, in the sentence beginning ‘We identify about 200 stars...’, ‘200’ has been replaced by ‘90’.
- In the Fig. 1 caption, the text ‘232 Nyx stars’ has been changed to ‘94 Nyx stars’.
- The sentence ‘From Fig. 1, it appears that we are missing stars at  $x \approx -9$ ,  $y < 0$  kpc and  $x \approx -7$ ,  $y > 0$  kpc.’ has been removed from the text.
- The sentence ‘Lowering the cut to  $S > 0.85$  does not entirely fill in this region, however.’ has been removed from the text.
- In the text ‘we find 26 stars that have measured [Fe/H] abundances, 7 of which also have [Mg/Fe] measurements’, ‘26’ has been replaced by ‘12’ and ‘7’ has been replaced by ‘3’.
- The text ‘the average value of [Fe/H] ([Mg/Fe]) is  $-0.48^{+0.02}_{-0.03}$  ( $0.09^{+0.06}_{-0.07}$ ), with respective dispersion of  $0.18^{+0.02}_{-0.03}$  ( $0.11^{+0.04}_{-0.05}$ )’ has been updated to ‘the average value of [Fe/H] ([Mg/Fe]) is  $-0.55^{+0.03}_{-0.04}$  ( $0.18^{+0.10}_{-0.14}$ ), with respective dispersion of  $0.13^{+0.03}_{-0.04}$  ( $0.06^{+0.09}_{-0.05}$ )’.
- The text ‘The 232 most likely stars to belong to Nyx are coherent in velocity, with total average speed 250 km s<sup>-1</sup> and dispersion of 48 km s<sup>-1</sup>’ has been updated to ‘The 94 most likely stars to belong to Nyx are coherent in velocity, with total average speed 282 km s<sup>-1</sup> and dispersion of 32 km s<sup>-1</sup>’.
- In the Fig. 2 caption the text ‘seven Nyx stars’ has been changed to ‘three Nyx stars’ and the text ‘26 Nyx stars’ has been changed to ‘12 Nyx stars’.
- In the Fig. 3 caption the text ‘We only show 17 Nyx stars’ has been changed to ‘We only show 11 Nyx stars’.
- The text ‘In addition, its mean metallicity of [Fe/H]  $\approx -0.5$  is consistent with a galaxy of stellar mass in the range  $[4.5 \times 10^9, 2.7 \times 10^{10}] M_{\odot}$ ’ has been updated to ‘In addition, its mean metallicity of [Fe/H]  $\approx -0.55$  is consistent with a galaxy of stellar mass in the range  $[4 \times 10^9, 8 \times 10^9] M_{\odot}$ ’.
- The text ‘we find that the mean eccentricity is 0.61 (dispersion of 0.13), the mean pericentre is 3.2 kpc, the mean apocentre is 14 kpc and the mean  $z_{\max}$  is 1.9 kpc’ has been updated to ‘we find that the mean eccentricity is 0.60 (dispersion of 0.13), the mean pericentre is 3.9 kpc, the mean apocentre is 16 kpc and the mean  $z_{\max}$  is 1.7 kpc’.

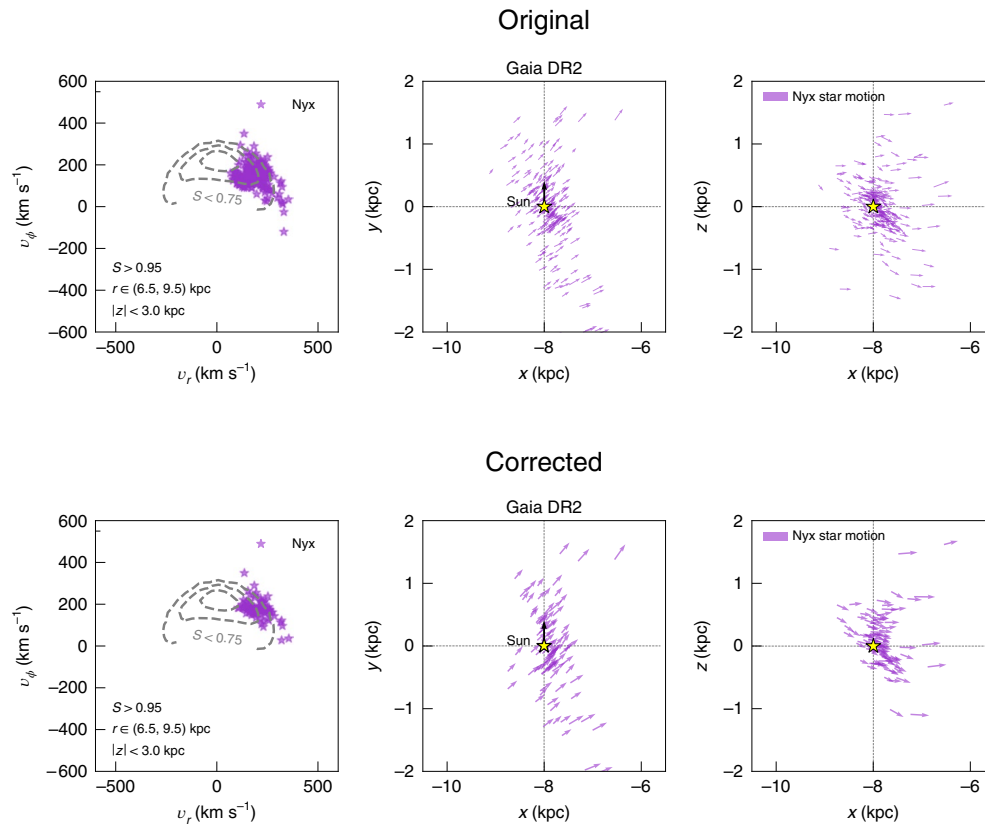
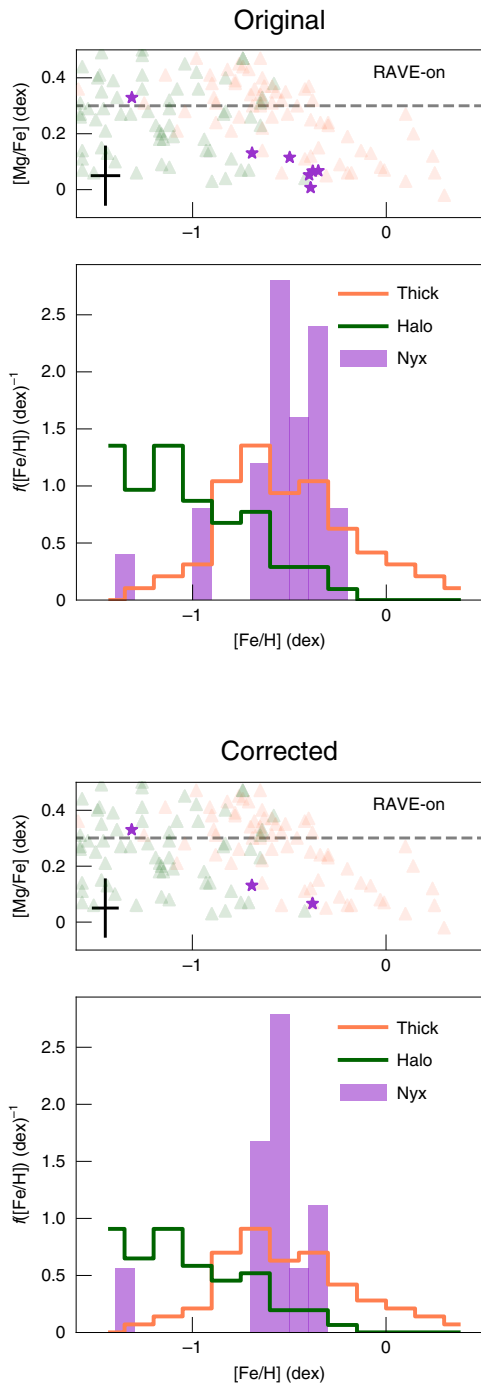
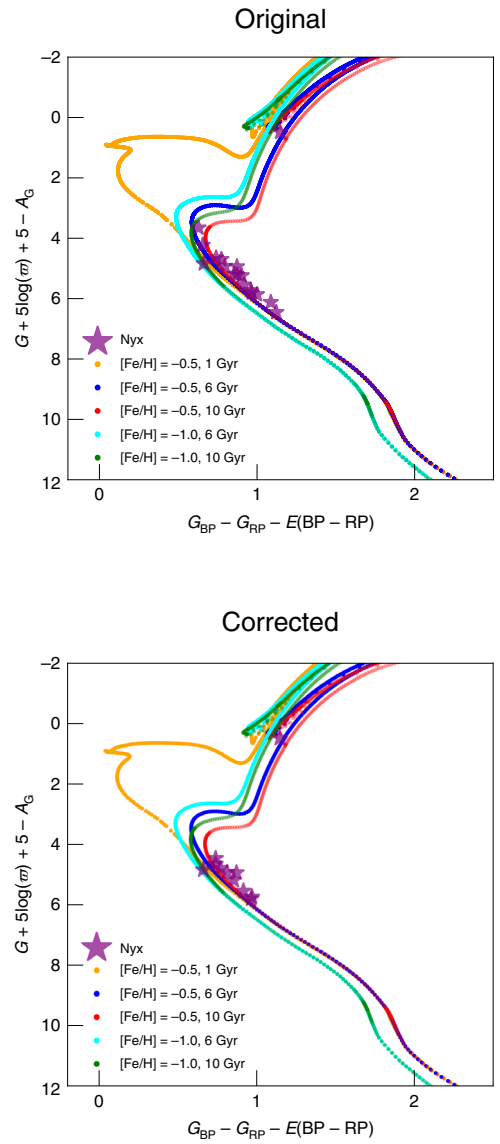


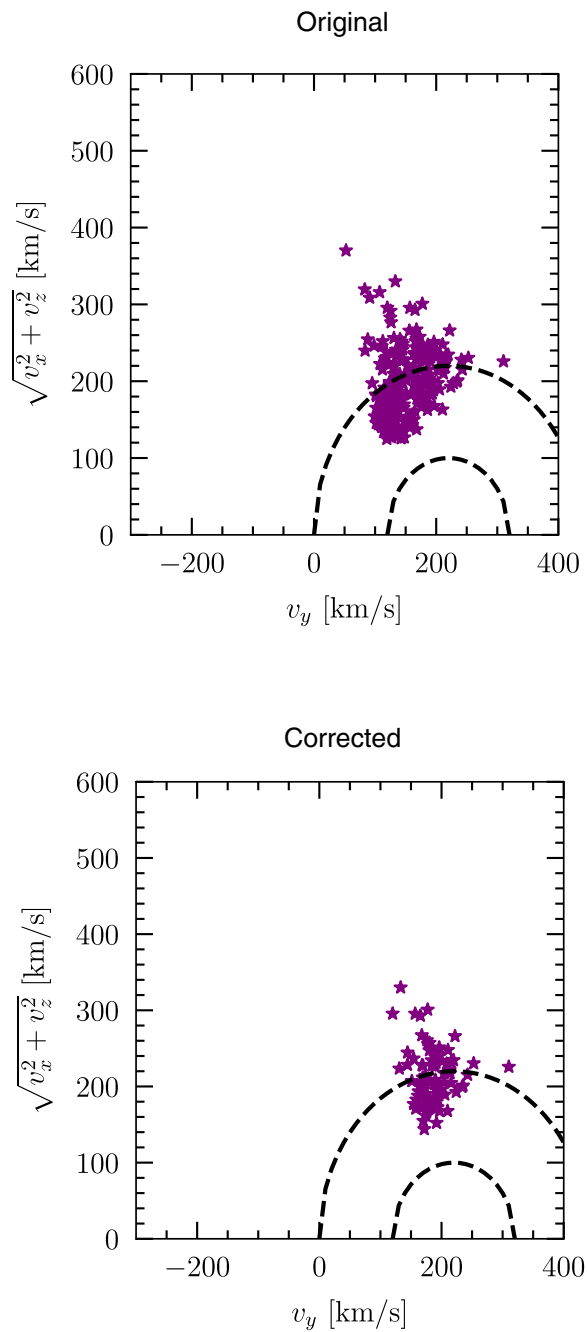
Fig. 1 | Original and Corrected.



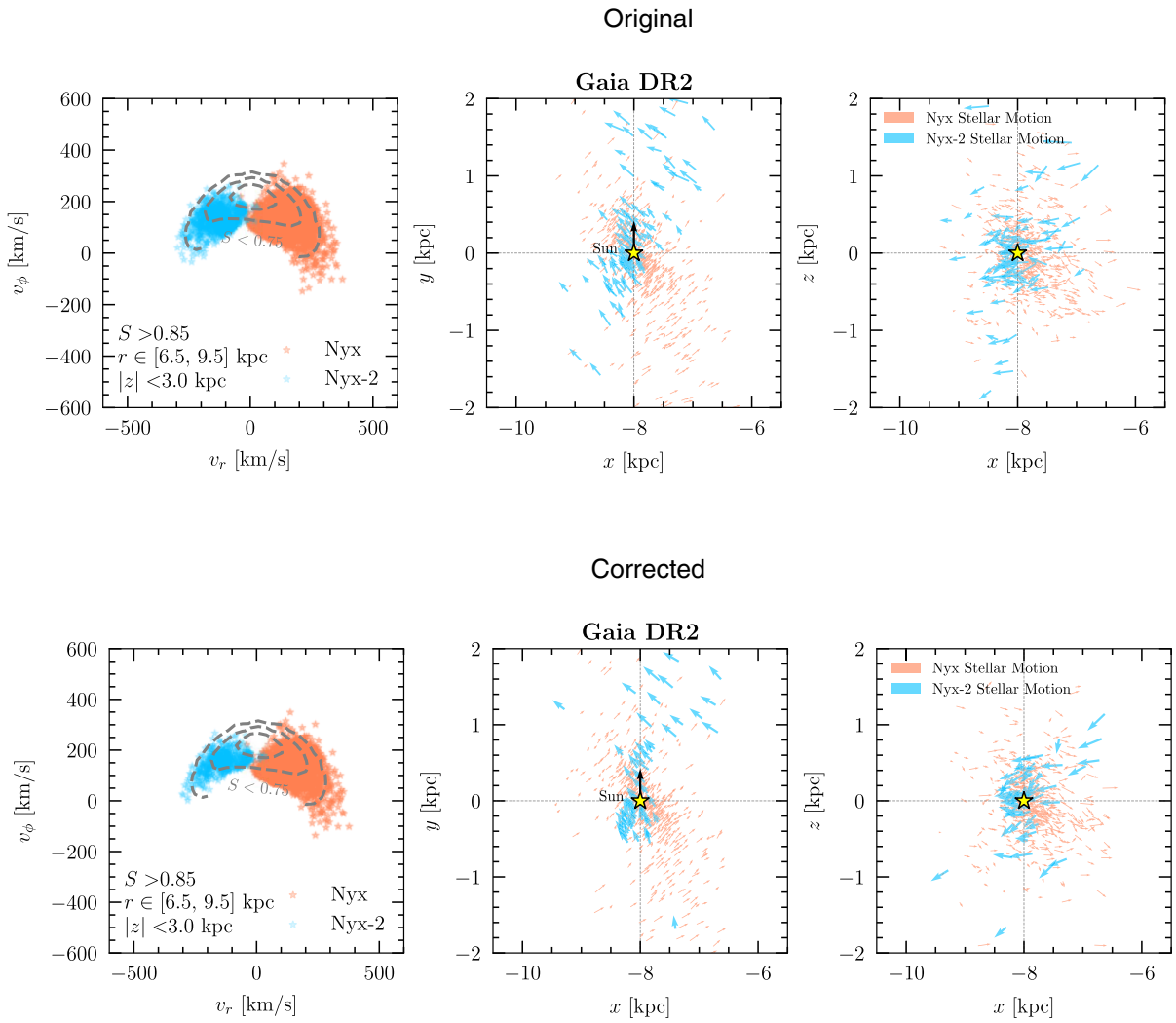
**Fig. 2 |** Original and Corrected.



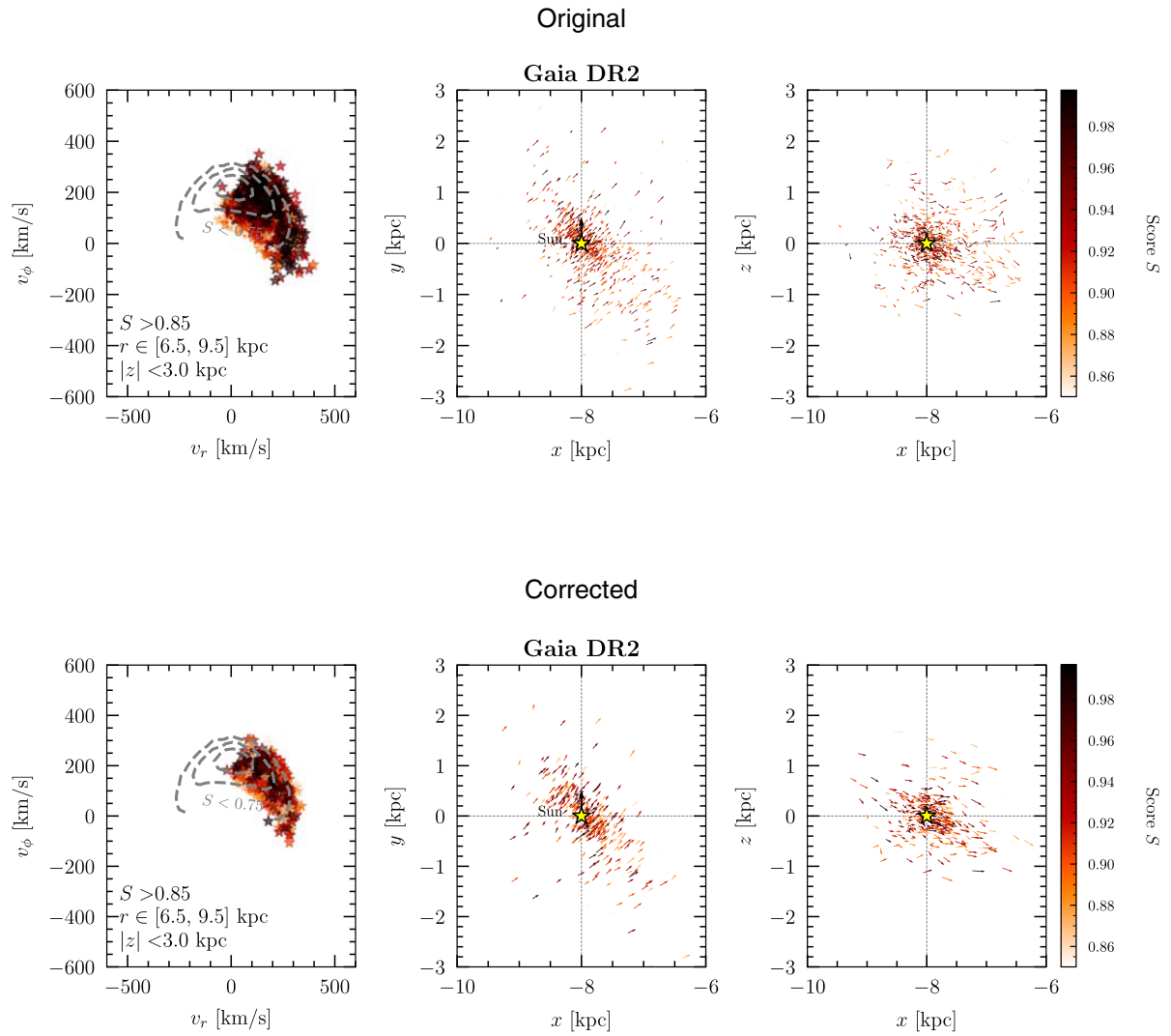
**Fig. 3 |** Original and Corrected.



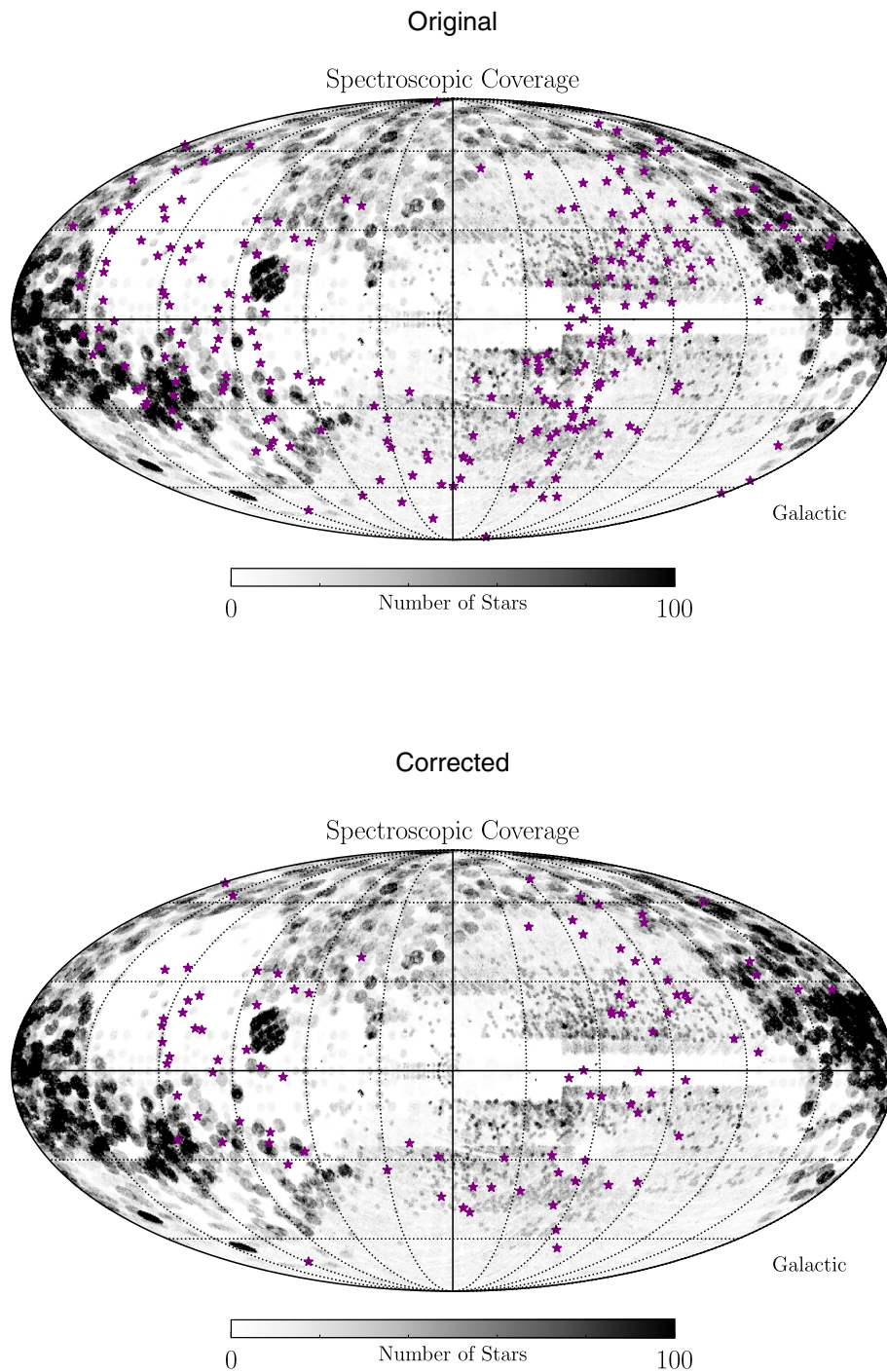
**Supplementary Fig. 1** | Original and Corrected.



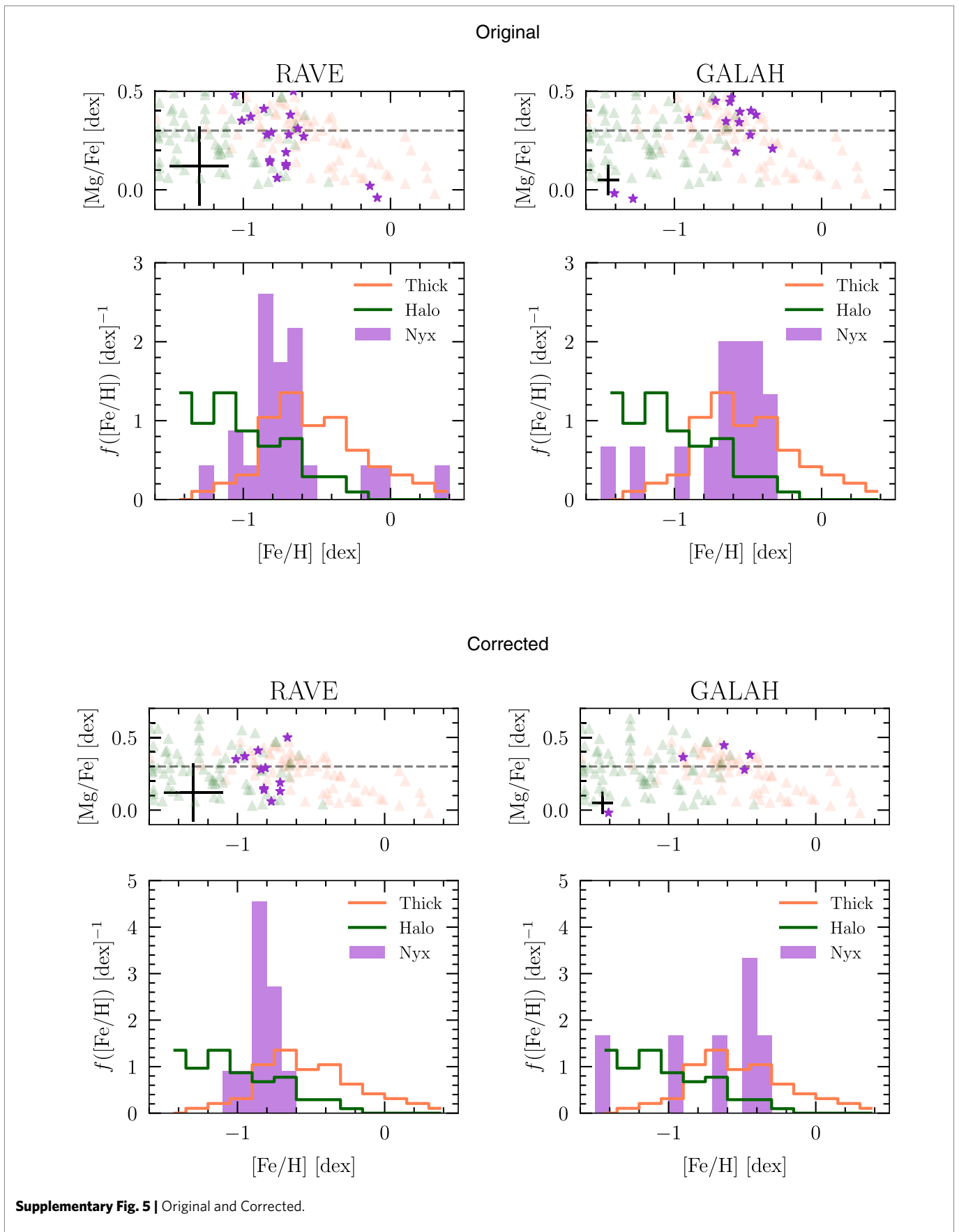
**Supplementary Fig. 2** | Original and Corrected.



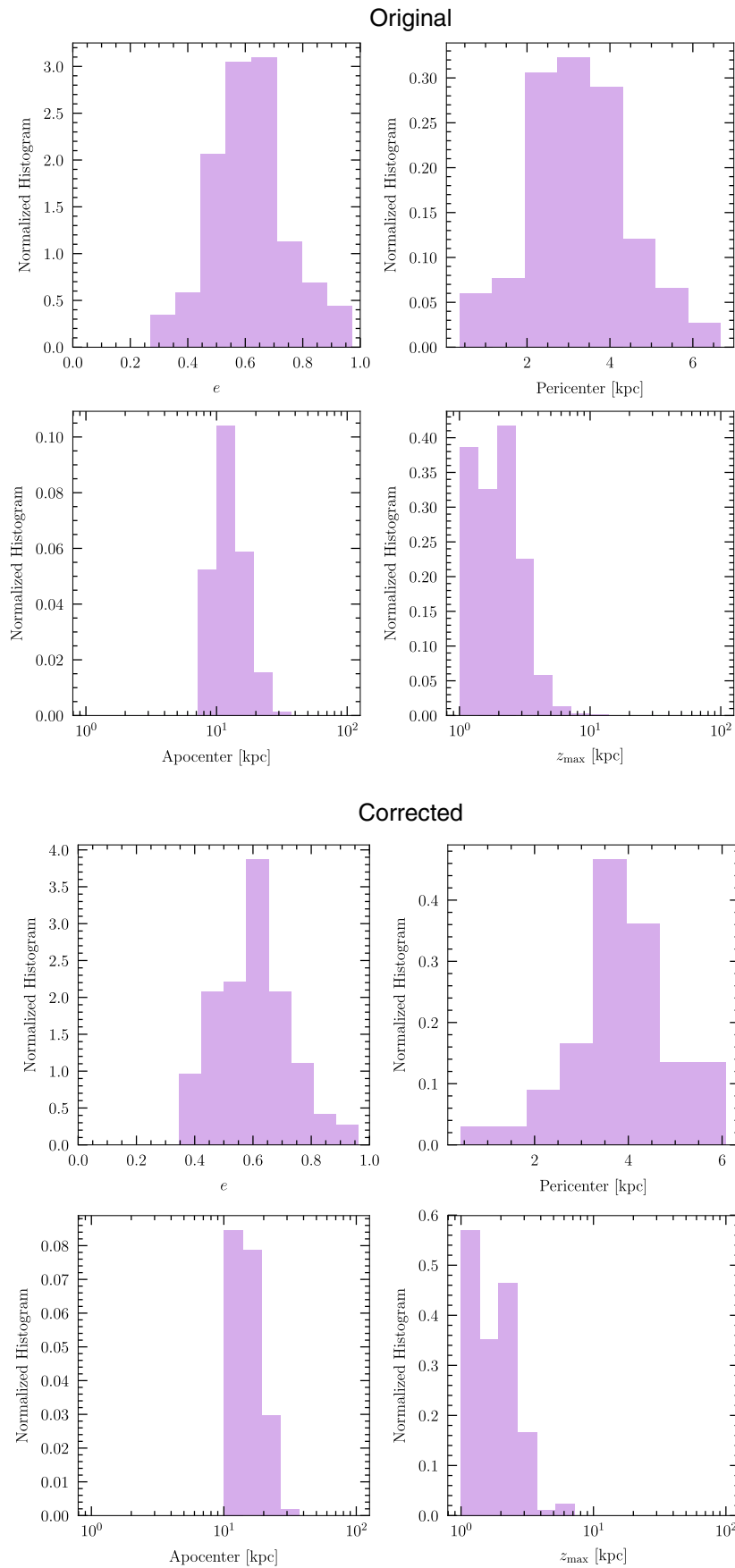
Supplementary Fig. 3 | Original and Corrected.



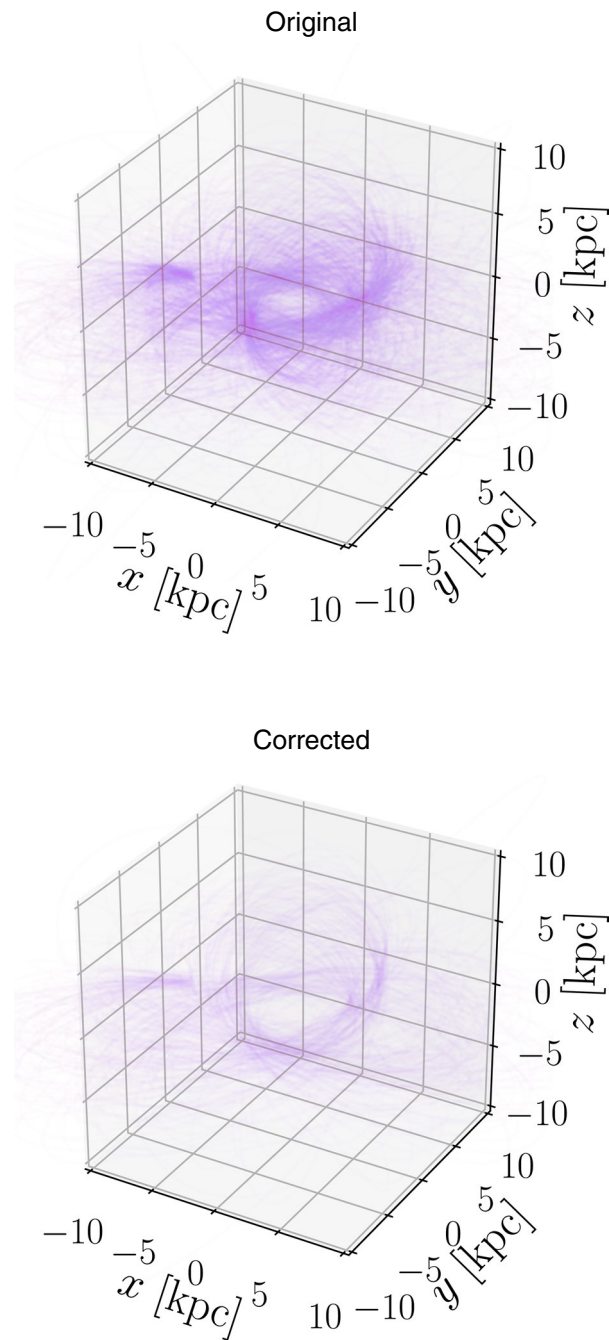
Supplementary Fig. 4 | Original and Corrected.







Supplementary Fig. 6 | Original and Corrected.



**Supplementary Fig. 7** | Original and Corrected.

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