

*Erratum*

# Age and metallicity gradients in the Galactic Bulge A differential study using HST/WFPC2

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**Abstract.** Correction of erroneous zero-points and corresponding colour-magnitude diagram for NGC 6553. These changes have no implications for the conclusions drawn in Feltzing & Gilmore (2000).

**Key words.** globular clusters: NGC 6553

## 1. The zeropoint for the colour-magnitude diagram

We have found that, in the calibration procedure of the raw magnitudes to the in-flight system of HST/WFPC2 a mixup of two numbers caused the zeropoint of the magnitudes in NGC 6553 to be incorrect.

The psf-to-aperture corrections (in Table 2 in Feltzing & Gilmore 2000) were interchanged, i.e. the correction for F555W was applied to F814W and vice versa. This caused the F555W magnitudes to be 0.15 mag too faint and the colour F555W-F814W to be 0.3 mag too faint. The correct table entries are given in Table 1.

For completeness and the benefit of those who want to make detailed comparisons between colour-magnitude diagrams we also publish our corrected colour-magnitude diagram in Fig. 1. This can also be compared with that of Beaulieu et al. (2001).

We note that the conclusions of the published paper were based on a differential study of star counts relative to the apparent cluster turnoff, and did not depend on the derived apparent magnitudes. Thus the conclusions of Feltzing & Gilmore (2000) are unaffected by this correction.

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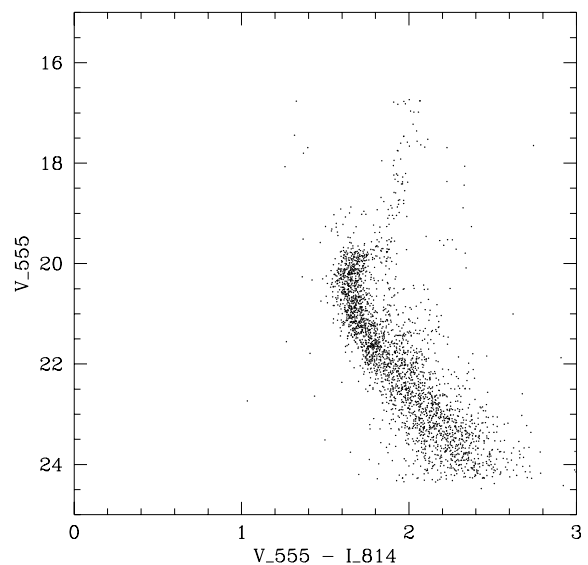
## References

- Beaulieu, S., et al. 2001, accepted AJ [[astro-ph/0102312](http://arxiv.org/abs/astro-ph/0102312)]  
Feltzing, S., & Gilmore, G. 2000, A&A, 355, 949

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**Table 1.** Zero points, aperture corrections from Holtzman et al. (1995a) and corrections for the zero points of the empirical *psfs*

Quantity	Field	F555W	F606W	F814W
<i>Psf</i> -	...			
zero-point	...			
corr.	...			
	NGC6553	0.310	–	0.460



**Fig. 1.** Correct colour-magnitude diagram for NGC 6553