

## University of Groningen

### The Westerbork Hydrogen Accretion in Local GalaxieS (HALOGAS) survey (Corrigendum)

Heald, G.; Józsa, G.; Serra, P.; Zschaechner, L.; Rand, R.; Fraternali, F.; Oosterloo, T.; Walterbos, R.; Jütte, E.; Gentile, G.

*Published in:*  
Astronomy & astrophysics

*DOI:*  
[10.1051/0004-6361/201015938e](https://doi.org/10.1051/0004-6361/201015938e)

**IMPORTANT NOTE:** You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

*Document Version*  
Publisher's PDF, also known as Version of record

*Publication date:*  
2012

[Link to publication in University of Groningen/UMCG research database](#)

*Citation for published version (APA):*

Heald, G., Józsa, G., Serra, P., Zschaechner, L., Rand, R., Fraternali, F., ... Gentile, G. (2012). The Westerbork Hydrogen Accretion in Local GalaxieS (HALOGAS) survey (Corrigendum): I. Survey description and pilot observations. *Astronomy & astrophysics*, 544, [C1]. <https://doi.org/10.1051/0004-6361/201015938e>

**Copyright**

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

**Take-down policy**

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

*Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.*

# The Westerbork Hydrogen Accretion in LOcal GAlaxies (HALOGAS) survey

## I. Survey description and pilot observations (Corrigendum)

G. Heald<sup>1</sup>, G. Józsa<sup>1</sup>, P. Serra<sup>1</sup>, L. Zschaechner<sup>2</sup>, R. Rand<sup>2</sup>, F. Fraternali<sup>3</sup>, T. Oosterloo<sup>1,4</sup>, R. Walterbos<sup>5</sup>, E. Jütte<sup>6</sup>, and G. Gentile<sup>7</sup>

<sup>1</sup> Netherlands Institute for Radio Astronomy (ASTRON), Postbus 2, 7990 AA Dwingeloo, The Netherlands

<sup>2</sup> University of New Mexico, 800 Yale Blvd, Albuquerque, NM, USA

<sup>3</sup> Astronomy Department, Bologna University, via Ranzani 1, 40127 Bologna, Italy

<sup>4</sup> Kapteyn Astronomical Institute, Postbus 800, 9700 AV Groningen, The Netherlands

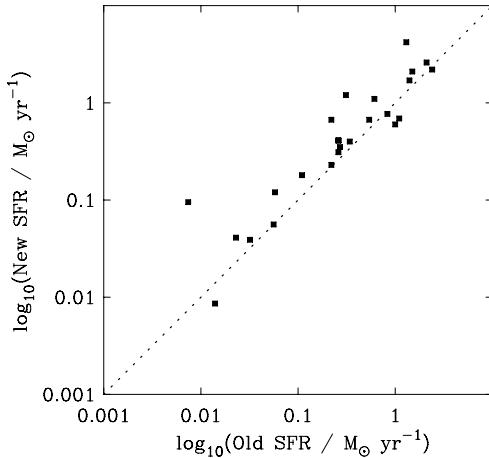
<sup>5</sup> Department of Astronomy, New Mexico State University, PO Box 30001, MSC 4500, Las Cruces, NM 88003, USA

<sup>6</sup> Astronomisches Institut der Ruhr-Universität Bochum, Universitätsstr. 150, 44780 Bochum, Germany

<sup>7</sup> Sterrenkundig Observatorium, Ghent University, Krijgslaan 281, S9, 9000 Ghent, Belgium

A&A 526, A118 (2011), DOI: 10.1051/0004-6361/201015938

**Key words.** galaxies: spiral – galaxies: evolution – galaxies: ISM – galaxies: halos – galaxies: kinematics and dynamics – errata, addenda



**Fig. 1.** Comparison between corrected SFR values and the original values. The line represents equal SFR values. Most corrected SFR values are higher, because  $d_{\text{T88}}$  tends to be lower than our adopted distances.

We discovered that in the original paper, the adopted distances ( $d_{\text{best}}$ ) were not used in the calculation of the star formation rate (SFR) given in Col. (12) of Table 1. Instead we inadvertently used the Tully (1988) distances ( $d_{\text{T88}}$ ). Here we correct this error, for reference in future HALOGAS publications. The newly computed SFRs are compared to the originally published values in Fig. 1. The results of the original paper are not affected by this correction. Our adopted distances are unchanged from the original paper, but are repeated here for clarity. A description of the origin of the adopted distances can be found in the original paper. A description of the methods used for calculating the SFR values themselves can also be found in the original paper.

## References

Moshir, M., et al. 1990, in IRAS Faint Source Catalogue, version 2.0  
 Tully, R. B. 1988, Nearby galaxies catalog (Cambridge Univ. Press)

**Table 1.** Updated SFR values for the HALOGAS sample.

| UGC         | Other IDs           | $d_{\text{T88}}$<br>(Mpc) | $d_{\text{best}}$<br>(Mpc) | Old SFR<br>( $M_{\odot} \text{yr}^{-1}$ ) | New SFR<br>( $M_{\odot} \text{yr}^{-1}$ ) |
|-------------|---------------------|---------------------------|----------------------------|---|---|
| <b>1256</b> | NGC 0672            | 7.5                       | 7.6                        | 0.22                                      | 0.23                                      |
| 1831        | NGC 0891            | 9.6                       | 9.2                        | 2.4                                       | 2.2                                       |
| <b>1913</b> | NGC 0925            | 9.4                       | 9.1                        | 0.83                                      | 0.77                                      |
| 1983        | NGC 0949            | 10.3                      | 11.3                       | 0.26                                      | 0.31                                      |
| <b>2082</b> | –                   | 10.7                      | 14.4                       | 0.023                                     | 0.041                                     |
| 2137        | NGC 1003            | 10.7                      | 11.6                       | 0.34                                      | 0.40                                      |
| 3918        | NGC 2403            | 4.2                       | 3.2                        | 1.0                                       | 0.60                                      |
| 4278        | IC 2233             | 10.6                      | 13.6                       | 0.11                                      | 0.18                                      |
| 4284        | NGC 2541            | 10.6                      | 12.0                       | <0.27 <sup>a</sup>                        | <0.35 <sup>a</sup>                        |
| 5572        | NGC 3198            | 10.8                      | 14.5                       | 0.61                                      | 1.1                                       |
| 7045        | NGC 4062            | 9.7                       | 16.9                       | 0.22                                      | 0.67                                      |
| 7322        | NGC 4244            | 3.1                       | 4.4                        | 0.058                                     | 0.12                                      |
| 7353        | NGC 4258<br>(M 106) | 6.8                       | 7.6                        | 1.4                                       | 1.7                                       |
| 7377        | NGC 4274            | 9.7                       | 19.4                       | 0.31                                      | 1.2                                       |
| 7539        | NGC 4414            | 9.7                       | 17.8                       | 1.3                                       | 4.2                                       |
| 7591        | NGC 4448            | 9.7                       | 9.7                        | 0.056                                     | 0.056                                     |
| 7766        | NGC 4559            | 9.7                       | 7.9                        | 1.1                                       | 0.69                                      |
| <b>7772</b> | NGC 4565            | 9.7                       | 10.8                       | 0.54                                      | 0.67                                      |
| 7774        | –                   | 6.8                       | 24.4                       | 0.0074                                    | 0.095                                     |
| 7865        | NGC 4631            | 6.9                       | 7.6                        | 2.1                                       | 2.6                                       |
| 8286        | NGC 5023            | 6.0                       | 6.6                        | 0.032                                     | 0.039                                     |
| 8334        | NGC 5055<br>(M 63)  | 7.2                       | 8.5                        | 1.5                                       | 2.1                                       |
| 8550        | NGC 5229            | 6.4                       | 5.1                        | 0.014                                     | 0.0086                                    |
| 9179        | NGC 5585            | 7.0                       | 8.7                        | 0.26                                      | 0.41                                      |

**Notes.** <sup>(a)</sup> The SFR value for NGC 2541 is strictly speaking an upper limit, because the IRAS 25  $\mu\text{m}$  flux is catalogued as a non-detection by Moshir et al. (1990).