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

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Published in:
Astronomy & astrophysics

DOI:
10.1051/0004-6361/201015938e

A&A 544, C1 (2012)
DOI: 10.1051/0004-6361/201015938e

Astronomy & Astrophysics

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I. Survey description and pilot observations

(Corrigendum)

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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

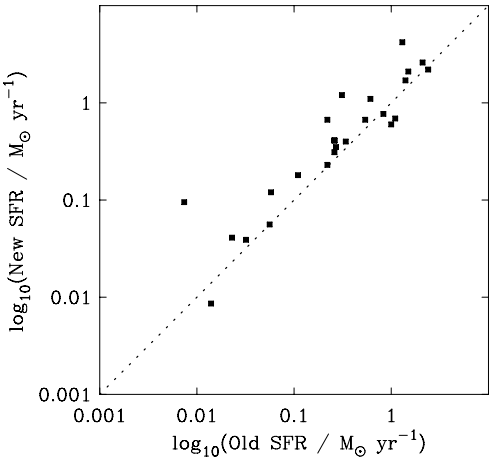

Fig. 1. Comparison between corrected SFR values and the original values. The line represents equal SFR values. Most corrected SFR values are higher, because d_{T88} tends to be lower than our adopted distances.

We discovered that in the original paper, the adopted distances (d_{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_{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_{T88} (Mpc)	d_{best} (Mpc)	Old SFR ($M_\odot$ yr^{-1})	New SFR ($M_\odot$ yr^{-1})
1256	NGC 0672	7.5	7.6	0.22	0.23
1831	NGC 0891	9.6	9.2	2.4	2.2
1913	NGC 0925	9.4	9.1	0.83	0.77
1983	NGC 0949	10.3	11.3	0.26	0.31
2082	–	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[a]	<0.35[a]
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 (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
7772	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 (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. [(a)] The SFR value for NGC 2541 is strictly speaking an upper limit, because the IRAS 25 μm flux is catalogued as a non-detection by Moshir et al. (1990).