



# Erratum: “RESOLVE Survey Photometry and Volume-limited Calibration of the Photometric Gas Fractions Technique” (2015, ApJ, 810, 166)

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*Supporting material:* machine-readable table

We have updated the photometry and information derived from spectral energy distribution (SED) model fitting in the machine readable table of Eckert et al. (2015) to correct three issues. First, we have updated the coordinates and photometry for 29 RESOLVE-B galaxies for which we discovered discrepancies in multi-epoch Sloan Digital Sky Survey (SDSS) coordinates that affected our pipeline processing. Second, for the 19 galaxies with *Swift Ultraviolet/Optical Telescope* (UVOT) data, we have now not merely reported the UVOT magnitudes, but also included them in our SED fitting. A systematic uncertainty of 0.05 mag is added to the UVOT magnitude errors in the fitting code to account for sky level estimation uncertainties. Finally, we have updated the model weighting in our SED fitting code to ensure a uniform prior on the long-term stellar mass growth rate, differing from Kannappan et al. (2013) because it rejects middle-aged young populations with ages  $\geq 1.4$  Gyr. All other aspects of the modeling are the same as described in Section 3.2 of Eckert et al. (2015) and Section 2.1.1 of Kannappan et al. (2013). A comparison of our previously published stellar masses with the updated ones here reveals effectively zero offset (0.00 dex, with all changes  $\lesssim 0.25$  dex and most  $\lesssim 0.03$  dex). Likewise, the photometric gas fractions calibrations are negligibly affected.

The new machine readable table is provided in the same format as described in Table 1 of Eckert et al. (2015). Additionally, the updated table is included in Data Release (DR)2 of RESOLVE’s online database (<http://resolve.astro.unc.edu/pages/database.php>).

**Table 1**  
RESOLVE Custom Photometry Catalog Description

Column	Description
1	RESOLVE ID
2	R. A.
3	decl.
4	cz
5	group cz
6	absolute SDSS <i>r</i> -band magnitude
7	apparent SDSS <i>u</i> -band magnitude
8	apparent SDSS <i>u</i> -band magnitude error
9	apparent SDSS <i>g</i> -band magnitude
10	apparent SDSS <i>g</i> -band magnitude error
11	apparent SDSS <i>r</i> -band magnitude
12	apparent SDSS <i>r</i> -band magnitude error
13	apparent SDSS <i>i</i> -band magnitude
14	apparent SDSS <i>i</i> -band magnitude error
15	apparent SDSS <i>z</i> -band magnitude
16	apparent SDSS <i>z</i> -band magnitude error
17	apparent <i>GALEX</i> NUV-band magnitude
18	apparent <i>GALEX</i> XUV-band magnitude error
19	apparent <i>Swift</i> uvm2-band magnitude
20	apparent <i>Swift</i> uvm2-band magnitude error
21	apparent 2MASS <i>J</i> -band magnitude
22	apparent 2MASS <i>J</i> -band magnitude error
23	apparent 2MASS <i>H</i> -band magnitude
24	apparent 2MASS <i>H</i> -band magnitude error
25	apparent 2MASS <i>K</i> -band magnitude
26	apparent 2MASS <i>K</i> -band magnitude error
27	apparent UKIDSS <i>Y</i> -band magnitude
28	apparent UKIDSS <i>Y</i> -band magnitude error
29	apparent UKIDSS <i>H</i> -band magnitude
30	apparent UKIDSS <i>H</i> -band magnitude error
31	apparent UKIDSS <i>K</i> -band magnitude
32	apparent UKIDSS <i>K</i> -band magnitude error
33	<i>b/a</i> axial ratio of outer disk
34	$R_{50,r}$ half-light radius in <i>r</i> band
35	$R_{90,r}$ 90% light radius in <i>r</i> band

**Table 1**  
(Continued)

Column	Description
36	$\Delta_{g-r}$ $g - r$ color gradient
37	$(u - r)^m$ modeled $u - r$ color
38	$(u - i)^m$ modeled $u - i$ color
39	$(u - J)^m$ modeled $u - J$ color
40	$(u - K)^m$ modeled $u - K$ color
41	$(g - r)^m$ modeled $g - r$ color
42	$(g - i)^m$ modeled $g - i$ color
43	$(g - J)^m$ modeled $g - J$ color
44	$(g - K)^m$ modeled $g - K$ color
45	stellar mass
46	foreground extinction in $u$ band
47	foreground extinction in $g$ band
48	foreground extinction in $r$ band
49	foreground extinction in $i$ band
50	foreground extinction in $z$ band
51	foreground extinction in NUV band
52	foreground extinction in uvm2 band
53	foreground extinction in $Y$ band
54	foreground extinction in $J$ band
55	foreground extinction in $H$ band
56	foreground extinction in $K$ band

**Note.** All magnitudes are newly measured from the raw images. Apparent magnitudes are provided without foreground extinction corrections. Foreground extinction corrections used in this work are provided. Modeled colors designated by a superscript  $m$  are products of the SED fitting routine from K13, described in Section 3.2 and have foreground extinction corrections and  $k$ -corrections implicitly included.

(This table is available in its entirety in machine-readable form.)

Finally, we note that in DR1 of RESOLVE's online database, the near ultraviolet (NUV) magnitudes were given with the foreground extinction corrections already applied, thus they did not match the published machine-readable table. In DR2, the NUV magnitudes no longer have foreground extinction corrections applied, so they do match the machine-readable table.

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### References

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