Contents of *GALEX*–SDSS–*WISE* Legacy Catalog 2 (GSWLC-2).

Column number	Column name	Units	Description
1	ObjID		SDSS photometric identification number
2	GLXID		*GALEX* photometric identification number
3	plate		SDSS spectroscopic plate number
4	MJD		SDSS spectroscopic plate date
5	fiber ID		SDSS spectroscopic fiber identification number
6	RA	deg	Right Ascension from SDSS
7	Decl.	deg	Declination from SDSS
8	z		Redshift from SDSS
9	χ^2_r		Reduced goodnes-of-fit value for the SED fitting
10	$\log M_*$	$M_\odot$	Stellar mass
11	$\sigma(\log M_*)$	$M_\odot$	Error of the stellar mass
12	$\log \mathrm{SFR_{SED}}$	$M_\odot \mathrm{yr}^{-1}$	UV/optical (SED) star formation rate
13	$\sigma(\log \mathrm{SFR_{SED}})$	$M_\odot \mathrm{yr}^{-1}$	Error of the SFR
14	A_{FUV}	mag	Dust attenuation in rest-frame FUV
15	$\sigma(A_{\mathrm{FUV}})$	mag	Error of dust attenuation in FUV
16	A_B	mag	Dust attenuation in rest-frame B
17	$\sigma(A_B)$	mag	Error of dust attenuation in B
18	A_V	mag	Dust attenuation in rest-frame V
19	$\sigma(A_V)$	mag	Error of dust attenuation in V
20	flag_sed		SED fitting flag (0 = OK, 1 = broad-line spectrum, 2 = $\chi^2_r > 30$, 5 = missing SDSS photometry)
21	UV survey		1 = GSWLC-A, 2 = GSWLC-M, 3 = GSWLC-D
22	flag_uv		UV (*GALEX*) flag (0 = no UV; 1 = FUV only; 2 = NUV only; 3 = both)
23	flag_midir		Mid-IR (unWISE) flag (0 = no mid-IR, 1 = L_{IR} based on 12 μm, 2 = L_{IR} based on 22 μm; 5 = L_{IR} corrected for mid-IR AGN emission)
24	flag_mgs		0 = not in SDSS Main Galaxy Sample (MGS), 1 = in MGS

Columns 10-19 originate from the SED fitting. If there are multiple reasons for setting the flag, the flag value wil be the sum of individual flag values. When the SED flag is set, the SED fitting parameters are not given. When mid-IR measurements are not present, SED fitting parameters default to GSWLC-1 values. Missing values are listed as -99.