Table 1: Optical and UV parameters of the COLD GASS galaxies

GASS ID	SDSS ID	z_{SDSS}	M_* [$\log M_\odot$]	μ_* [$\log M_\odot \mathrm{kpc}^{-2}$]	D_{25} ["]	R_{90}/R_{50}	NUV$-r$ [mag]	r [mag]
11956	J000820.76+150921.6	0.0395	10.09	8.48	22.5	2.15	3.04	16.28
12025	J001934.54+161215.0	0.0366	10.84	9.13	34.3	3.03	5.93	14.73
12002	J002504.00+145815.2	0.0367	10.48	9.41	24.2	3.17	6.25	15.46
11989	J002558.89+135545.8	0.0419	10.69	9.18	23.7	3.02	5.79	15.13
27167	J003921.66+142811.5	0.0380	10.37	9.14	21.1	2.77	4.48	15.49
3189	J004023.48+143649.4	0.0384	10.05	7.92	37.7	1.96	2.77	15.65
3261	J005532.61+154632.9	0.0375	10.08	8.57	22.8	2.54	2.63	15.48
3318	J010238.29+151006.6	0.0397	10.53	8.98	26.4	3.05	5.73	15.21
3439	J010905.96+144520.8	0.0386	10.35	8.78	32.5	2.90	3.05	15.48
3465	J011221.82+150039.0	0.0292	10.19	8.93	28.7	2.89	3.63	15.33
3645	J011501.75+152448.6	0.0307	10.33	8.93	28.1	2.71	3.97	15.11
3509	J011711.65+132027.3	0.0484	10.81	9.18	31.1	3.11	4.14	15.27
3519	J011728.11+144215.9	0.0427	10.74	8.64	34.2	2.20	3.68	14.94
3505	J011746.76+131924.5	0.0479	10.21	8.83	17.7	3.30	4.92	16.35
3504	J011823.44+133728.4	0.0380	10.16	7.91	37.7	1.84	2.85	15.34
3821	J014042.68+133304.6	0.0447	10.87	9.09	41.2	3.26	5.84	14.85
3819	J014143.18+134032.8	0.0453	10.67	9.06	27.6	2.49	2.20	14.71
4094	J014326.66+131913.0	0.0276	10.55	9.22	36.3	2.98	5.94	14.71
4216	J015551.98+145624.9	0.0438	10.74	8.70	40.1	2.50	2.51	14.46
4137	J015651.99+131246.0	0.0445	10.90	9.32	35.3	3.33	5.35	15.00
4233	J015707.32+145543.5	0.0433	10.88	9.03	32.1	3.06	5.69	14.69
4223	J015712.97+144407.6	0.0260	10.56	9.16	41.4	3.35	5.19	14.43
4239	J015816.23+141747.9	0.0261	10.80	9.18	54.4	3.35	5.58	13.92
3962	J020359.14+141837.3	0.0427	10.90	8.84	46.3	2.94	3.22	14.51
4017	J020517.54+133020.6	0.0258	10.23	8.29	47.9	1.88	3.17	14.44
3880	J020519.88+131530.7	0.0270	10.52	9.33	32.9	2.98	6.00	14.60
3977	J020744.46+140453.7	0.0324	10.26	8.64	34.5	2.61	3.57	15.59
4030	J020939.47+135859.4	0.0491	11.33	8.72	42.5	2.02	4.08	14.08
4038	J021121.82+143015.5	0.0417	10.72	8.65	58.9	2.56	3.40	15.10
4037	J021130.77+141801.9	0.0265	10.77	9.18	53.3	3.22	5.27	13.96
4039	J021131.43+141202.4	0.0254	10.32	8.93	44.5	2.94	3.47	14.79
4045	J021133.55+135501.7	0.0265	10.47	9.21	43.5	3.64	2.83	14.11
4041	J021136.94+143045.2	0.0262	10.41	8.40	53.5	1.90	3.50	14.42
4040	J021139.06+140830.3	0.0269	10.32	9.27	28.5	3.15	5.80	14.99
4048	J021219.38+133645.6	0.0414	10.55	8.77	27.4	2.32	3.45	15.39
4054	J021337.50+134341.2	0.0411	11.18	9.25	72.0	3.08	3.78	14.18
3981	J021404.39+131156.3	0.0416	10.55	8.76	31.6	2.61	3.76	15.34
4057	J021419.24+135611.2	0.0397	10.52	9.13	26.3	2.72	3.36	15.27
13775	J075155.69+271810.7	0.0264	10.57	8.81	72.6	2.92	4.14	14.91
51276	J075404.48+135714.7	0.0296	10.37	8.55	51.4	2.36	2.78	14.67
51416	J075559.95+125853.2	0.0445	11.27	9.31	57.3	3.20	5.43	13.91
56375	J075719.71+111221.8	0.0464	10.84	8.58	58.0	2.23	3.21	14.91
56319	J080322.76+095745.8	0.0345	10.14	8.54	24.4	2.53	4.78	16.70
51563	J080442.30+154632.6	0.0293	10.48	8.84	40.9	2.44	3.13	14.61
56312	J080456.34+102621.0	0.0344	10.10	8.37	36.0	2.33	2.37	15.49
56304	J080534.10+102336.2	0.0340	10.89	8.63	65.5	1.79	3.61	14.18
19918	J083846.98+072850.5	0.0462	10.82	8.73	47.4	2.60	3.38	14.76
32308	J083934.43+252837.6	0.0292	10.02	7.93	32.1	1.83	3.52	15.32
52297	J085724.03+204237.9	0.0328	10.49	9.00	35.3	3.03	4.19	15.02
19949	J090011.06+074333.9	0.0289	10.69	8.76	42.7	2.31	3.70	14.19
16695	J090115.64+040705.1	0.0281	10.07	8.09	82.1	2.53	3.18	15.84
25752	J090124.57+101200.6	0.0368	10.56	8.44	43.7	2.25	2.55	14.49
56612	J090307.74+134149.4	0.0290	10.27	9.23	25.3	2.95	5.07	15.28
25763	J090311.24+100907.1	0.0296	10.11	8.28	54.0	2.05	2.20	14.63
16655	J090439.54+053043.3	0.0334	10.63	8.92	53.5	3.10	3.52	14.45
14712	J091858.06+055318.2	0.0383	10.55	8.34	35.5	1.93	2.47	14.36
57017	J092229.28+142743.3	0.0323	10.54	9.10	38.3	3.08	4.00	16.22
16841	J093136.49+065708.6	0.0318	10.06	8.18	32.4	2.41	2.49	15.28
20133	J093236.58+095025.9	0.0489	10.86	8.73	...	2.30	...	14.69
8347	J093858.50+040940.5	0.0463	10.68	9.04	22.6	2.85	6.04	15.28
14784	J093923.27+062405.9	0.0318	11.07	9.14	56.1	2.90	3.78	13.59
8349	J093953.62+034850.2	0.0285	10.36	8.92	38.2	2.93	4.73	15.61
26056	J095007.20+124446.0	0.0296	10.11	8.06	48.2	2.09	2.40	14.69
18702	J095051.58+081340.7	0.0299	10.20	8.71	30.2	2.20	3.84	15.71
18673	J095301.79+072736.4	0.0385	10.38	8.97	21.2	2.27	3.04	15.32
18686	J095302.62+075029.3	0.0411	10.55	8.48	38.0	2.10	2.99	14.88

GASS ID	SDSS ID	z_{SDSS}	M_* [$\log M_\odot$]	μ_* [$\log M_\odot \mathrm{kpc}^{-2}$]	D_{25} ["]	R_{90}/R_{50}	NUV$-r$ [mag]	r [mag]
20292	J095349.23+091137.6	0.0299	10.67	9.02	31.3	2.41	4.47	14.38
20286	J095439.45+092640.7	0.0346	10.53	8.89	33.8	2.63	4.11	15.74
14831	J100530.26+054019.4	0.0444	11.21	9.13	51.2	2.72	4.25	14.59
14943	J101600.20+061505.2	0.0458	11.33	9.23	56.7	3.37	6.44	13.74
26221	J101638.39+123438.5	0.0317	10.98	8.88	75.4	2.60	3.71	13.99
26368	J101941.29+125034.7	0.0329	10.27	8.53	57.3	2.84	3.07	15.67
18900	J102001.61+083053.6	0.0453	10.92	9.28	33.6	3.16	5.39	14.63
26311	J102309.58+121422.2	0.0448	11.13	8.90	67.9	3.08	4.71	14.33
22999	J102316.42+115120.4	0.0455	10.64	8.62	36.7	2.10	3.79	15.45
26602	J103347.41+124358.1	0.0325	10.74	9.20	43.1	3.21	6.40	14.55
15181	J104002.96+060114.0	0.0468	11.18	8.73	67.1	2.94	4.78	14.94
15166	J104121.14+061644.3	0.0339	10.02	8.10	34.3	2.07	2.35	15.33
29555	J104145.56+135352.9	0.0316	10.38	8.88	33.6	3.11	4.55	14.94
23315	J104200.74+114648.0	0.0329	10.45	9.05	24.7	2.50	4.34	15.05
8914	J104402.21+043946.8	0.0266	10.42	8.50	40.5	2.00	2.76	14.25
29596	J104702.82+141548.0	0.0324	10.68	9.01	42.5	3.01	5.29	14.45
15257	J104805.79+060114.4	0.0288	10.09	8.94	19.7	2.75	5.45	15.74
23408	J105322.36+111050.4	0.0430	11.04	8.84	55.6	3.19	5.53	14.20
23450	J105648.58+120535.7	0.0476	10.81	9.24	25.4	3.13	5.51	15.18
23453	J105800.29+115913.6	0.0348	10.12	8.08	...	1.90	...	15.01
17659	J105807.59+091633.9	0.0344	11.17	9.23	59.5	3.16	5.61	13.66
17640	J105929.94+084233.1	0.0349	11.04	9.18	54.6	3.08	5.61	14.50
5442	J110032.51+020657.8	0.0394	11.10	8.62	61.0	1.75	2.99	13.95
17684	J110037.27+102613.9	0.0361	11.08	9.04	45.7	2.47	6.05	14.13
29624	J110050.33+133551.4	0.0340	10.32	8.59	38.9	2.49	4.17	15.91
29699	J110818.34+131327.5	0.0340	11.01	8.92	59.2	3.35	5.15	14.11
12371	J111306.40+051403.0	0.0432	10.80	8.89	40.6	2.89	3.34	14.72
12318	J111443.35+040128.2	0.0417	11.21	9.23	53.1	3.28	5.60	13.88
12455	J112017.79+041913.3	0.0491	11.45	9.28	54.7	3.42	6.26	13.84
12293	J112029.23+040742.1	0.0496	11.32	8.87	52.8	2.41	4.44	14.15
12460	J112048.30+035021.0	0.0494	10.98	8.97	48.0	3.13	5.13	15.14
12458	J112118.26+033953.0	0.0394	11.04	9.30	40.0	3.20	5.77	14.18
29842	J112131.76+132535.7	0.0341	10.80	8.82	56.0	2.59	3.69	14.33
23685	J112311.63+130703.7	0.0470	10.70	8.94	32.5	3.01	3.32	15.16
17865	J112920.69+083608.3	0.0270	10.28	8.08	53.2	2.03	2.72	14.49
29892	J112946.35+152001.1	0.0366	11.02	9.06	54.5	2.85	3.81	13.88
18202	J121134.94+092106.8	0.0269	10.25	9.02	26.2	2.94	5.55	15.00
24149	J121356.24+134035.2	0.0422	10.33	8.39	32.6	3.34	3.93	15.90
30175	J121602.67+141121.8	0.0254	10.74	9.13	...	2.90	...	13.97
24168	J121612.36+132615.4	0.0260	10.44	8.85	49.1	2.83	4.77	14.95
24183	J121744.10+131015.7	0.0429	10.77	8.73	45.4	2.58	2.31	14.23
24741	J121750.81+082549.0	0.0492	10.91	8.98	42.3	2.92	2.64	14.67
18335	J121853.94+100010.1	0.0431	10.87	9.17	35.0	3.17	6.03	14.83
18421	J122006.47+100429.2	0.0434	10.60	8.80	31.8	3.53	4.10	14.97
24094	J122030.18+112027.3	0.0431	11.08	8.91	43.2	2.56	4.31	14.26
30338	J122319.58+141813.4	0.0418	10.95	8.97	52.4	2.92	4.76	14.70
18469	J123251.49+084423.9	0.0338	10.15	8.24	27.3	1.80	2.51	15.18
12970	J123553.79+054539.8	0.0418	10.89	8.51	51.3	2.76	5.50	14.39
24426	J123622.72+133610.3	0.0305	10.12	8.10	47.2	2.08	2.43	14.83
12966	J123632.24+061010.5	0.0395	11.18	9.00	51.6	2.57	5.25	13.96
30479	J123708.06+142426.9	0.0308	10.29	9.19	21.7	2.91	5.46	15.34
28143	J123711.40+083929.8	0.0283	10.30	8.83	42.3	2.88	3.11	14.98
30471	J123753.20+141652.7	0.0263	10.83	9.11	52.9	2.98	5.58	13.64
24366	J123938.86+122507.9	0.0411	10.86	9.51	32.6	3.24	5.76	14.95
12983	J124032.46+052119.9	0.0466	11.04	8.98	42.0	2.71	4.35	14.68
28168	J124054.96+080323.2	0.0478	10.18	9.07	14.5	2.93	3.22	16.25
6506	J124309.36+033452.2	0.0487	10.77	8.52	41.4	1.97	3.05	14.89
13037	J124314.97+040502.0	0.0485	11.03	9.18	36.6	3.28	5.85	14.72
28461	J124622.67+115235.7	0.0443	11.36	9.19	55.1	3.32	5.87	13.76
6565	J124938.19+024520.2	0.0476	10.89	9.22	34.0	3.29	5.88	14.91
6583	J125055.79+031149.3	0.0483	11.20	9.12	47.2	3.25	5.59	14.14
26822	J125129.06+134654.5	0.0376	11.03	8.89	59.2	2.49	3.48	13.80
40500	J125911.09+103006.0	0.0460	10.88	9.07	32.4	3.42	5.22	14.91
30508	J125926.22+142030.0	0.0471	11.02	8.88	44.0	3.38	5.25	14.59
13227	J125950.03+050251.2	0.0483	11.22	8.75	48.1	2.40	4.45	14.17
40439	J130415.04+091324.4	0.0350	10.95	8.60	70.7	2.18	2.61	13.59
25154	J130457.41+120444.6	0.0358	11.13	9.18	54.4	3.00	5.93	13.81
40570	J131104.94+084828.3	0.0325	11.14	9.08	62.9	2.82	5.61	13.42

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25214	J131232.81+114344.2	0.0311	11.16	9.18	66.3	3.19	5.92	13.46
25448	J133003.89+121030.6	0.0447	10.68	8.38	42.1	2.40	2.60	14.71
25347	J133019.15+113042.5	0.0378	11.09	9.22	53.5	3.61	5.90	13.90
13512	J133612.18+044424.3	0.0343	10.73	9.47	34.3	2.88	4.45	14.19
7031	J134647.18+020712.1	0.0331	10.60	9.31	35.7	3.16	5.11	15.39
35981	J135308.35+354250.5	0.0411	10.30	8.25	72.8	2.21	2.50	15.31
40317	J135533.72+144552.7	0.0408	11.07	9.29	44.5	3.39	5.45	14.32
40257	J135842.23+132722.9	0.0393	11.13	9.07	53.0	3.22	5.72	13.94
40247	J135942.61+124412.5	0.0392	11.35	9.32	63.8	3.37	5.69	13.59
9301	J140316.98+042147.4	0.0462	11.33	9.77	28.7	2.92	3.36	15.38
7286	J141432.05+031124.9	0.0269	10.73	8.97	53.4	2.49	4.56	13.53
38462	J141545.94+102619.8	0.0258	10.75	8.90	52.6	2.36	4.39	14.06
38472	J141608.76+103543.8	0.0264	10.19	8.89	34.2	3.07	5.45	14.99
38591	J141740.51+103459.9	0.0271	10.28	8.77	36.0	3.45	6.03	14.91
41323	J141822.46+080551.0	0.0440	11.02	9.00	47.7	3.24	5.53	14.39
30811	J141845.69+055004.7	0.0489	11.28	9.21	55.1	3.19	5.26	14.20
9483	J142056.54+035217.4	0.0354	10.71	8.93	33.3	2.46	2.70	14.41
9514	J142209.71+043116.1	0.0267	10.51	9.00	37.1	2.97	4.53	14.88
9551	J142732.37+044917.8	0.0269	10.91	9.21	60.3	2.80	3.86	13.71
9814	J143348.34+035724.7	0.0293	10.87	8.93	49.3	2.36	4.21	13.90
9601	J143351.42+034046.1	0.0288	10.83	9.33	47.5	3.18	6.09	14.17
9917	J144025.99+033556.0	0.0281	10.66	9.60	32.4	3.04	5.58	14.52
9948	J144414.74+041306.7	0.0256	10.70	9.20	81.3	2.56	3.66	13.99
38717	J144929.32+090445.1	0.0405	10.41	8.44	38.3	2.55	3.02	15.35
10019	J145153.39+032147.7	0.0308	10.68	8.65	64.7	2.48	2.95	14.19
38964	J150216.35+115503.2	0.0322	11.27	9.28	65.7	2.80	5.41	13.55
39119	J150926.10+101718.3	0.0276	10.18	8.72	38.8	2.87	3.63	16.00
10218	J151140.36+034034.2	0.0464	10.76	8.69	38.5	2.60	2.74	14.54
39270	J151220.62+092059.7	0.0345	10.14	8.07	48.9	2.06	2.37	15.08
42025	J151507.55+070116.5	0.0367	10.88	9.08	51.5	3.02	4.90	14.72
41969	J151531.54+062213.3	0.0351	10.42	8.45	45.2	2.84	2.04	14.42
42140	J151531.97+072829.0	0.0457	10.98	9.02	47.9	3.13	5.99	14.57
10367	J151553.85+030301.1	0.0379	11.08	9.12	39.1	2.50	4.54	14.31
42013	J151604.47+065051.4	0.0368	10.77	9.11	39.6	3.07	4.08	14.73
42141	J151619.14+070944.4	0.0360	10.97	8.53	56.0	1.84	3.49	13.95
10358	J151711.15+032105.7	0.0370	11.09	9.17	41.5	3.08	5.86	14.13
10404	J151722.96+041248.9	0.0361	11.02	9.34	51.7	3.32	5.87	14.04
10447	J151840.93+042505.3	0.0471	10.68	8.76	25.1	2.62	5.45	15.38
39548	J152522.51+094352.3	0.0347	10.42	8.15	44.7	1.91	2.69	14.72
39605	J152559.84+094724.5	0.0339	10.13	9.07	18.5	3.22	5.45	15.91
39595	J152716.72+100240.2	0.0435	10.87	9.01	44.7	3.15	3.50	14.61
39567	J152747.42+093729.6	0.0312	10.57	9.22	37.1	3.11	3.84	14.93
26958	J154654.33+055328.3	0.0419	11.26	9.10	71.2	3.09	4.71	13.52
47221	J154902.67+175625.5	0.0318	10.54	8.72	34.8	2.19	3.05	14.62
42402	J155125.21+254539.0	0.0460	11.03	8.78	63.8	2.71	4.18	14.47
31156	J155752.01+041544.3	0.0258	10.68	9.05	44.6	2.97	5.76	14.08
29487	J155754.56+092435.7	0.0428	11.17	9.26	40.9	3.15	5.56	14.06
10817	J220120.93+121148.1	0.0291	10.61	9.33	39.5	3.31	6.34	14.55
10827	J220147.39+131228.5	0.0301	10.11	8.81	22.2	2.75	6.50	15.65
10831	J220322.59+123857.6	0.0273	10.46	9.05	35.0	2.73	5.00	14.79
10813	J220358.03+115421.2	0.0268	10.55	9.11	29.4	3.07	5.47	14.61
10836	J220419.41+125806.2	0.0274	10.69	9.27	51.3	3.28	6.28	14.28
10850	J220538.79+122521.3	0.0355	10.28	8.69	27.5	2.39	4.00	15.75
10841	J221111.69+114802.6	0.0270	10.36	9.05	32.0	2.76	3.68	14.65
10885	J221212.48+121218.6	0.0275	10.04	8.49	27.5	2.11	2.51	14.83
10889	J221236.07+140103.9	0.0266	10.45	9.14	34.8	3.37	5.15	14.83
10844	J221253.09+122158.7	0.0271	10.16	9.10	22.0	2.89	5.62	15.35
10872	J221321.50+132611.3	0.0281	10.48	8.81	33.5	2.73	5.15	14.76
10884	J221430.63+130444.9	0.0257	10.47	9.04	47.5	2.93	5.97	14.83
10942	J221530.28+134023.4	0.0251	10.04	9.06	21.6	3.26	5.54	15.43
10943	J221540.59+133616.9	0.0275	10.23	8.71	32.2	2.40	5.00	15.16
10944	J221543.66+134252.3	0.0262	10.05	9.28	25.1	3.24	5.51	15.44
10950	J221559.51+132715.3	0.0254	10.21	9.43	19.1	2.68	5.65	15.17
10949	J221600.51+130851.8	0.0262	10.33	9.21	39.8	3.36	5.43	14.79
10948	J221636.89+131514.4	0.0258	10.02	8.65	30.9	2.50	4.82	15.81
10952	J221657.95+133235.0	0.0262	10.47	8.97	47.2	2.58	7.13	15.06
11016	J223619.86+141852.3	0.0375	10.25	8.83	22.3	3.21	4.63	15.90
11015	J223701.58+142417.4	0.0367	10.76	8.93	44.3	3.11	5.51	14.63

GASS ID	SDSS ID	z_{SDSS}	M_* [$\log M_\odot$]	μ_* [$\log M_\odot \mathrm{kpc}^{-2}$]	D_{25} ["]	R_{90}/R_{50}	NUV$-r$ [mag]	r [mag]
11086	J225524.42+131453.8	0.0329	10.43	9.08	32.0	2.87	4.26	15.20
11087	J225525.96+125539.3	0.0376	10.88	9.16	42.9	3.05	5.28	14.86
11071	J225726.69+130005.9	0.0257	10.56	8.70	46.7	2.39	4.40	14.27
11126	J230111.07+130932.5	0.0484	10.75	8.71	29.2	2.39	3.66	14.96
11112	J230240.30+131944.6	0.0277	10.81	9.02	51.5	2.58	3.34	13.55
11120	J230343.06+135535.5	0.0271	10.40	8.99	38.6	2.64	3.49	14.54
11311	J231229.22+135632.1	0.0341	10.91	9.11	52.4	2.76	4.48	14.35
11298	J231330.39+140350.0	0.0394	10.10	8.29	36.7	2.61	3.88	16.60
11295	J231334.71+135912.3	0.0398	11.09	8.95	75.3	3.07	4.72	14.29
1977	J231815.66+001540.2	0.0298	10.78	8.75	66.2	2.24	3.35	14.07
11270	J231816.95+133426.6	0.0395	10.07	8.69	21.1	2.88	3.91	16.23
11349	J231836.21+151758.7	0.0256	10.13	8.47	39.3	2.19	2.88	14.76
11437	J232215.37+140450.6	0.0264	10.56	8.99	48.3	2.72	3.83	14.54
11408	J232227.40+134857.1	0.0260	10.05	8.22	45.4	2.20	2.53	14.80
11513	J232239.48+154405.3	0.0411	10.62	8.68	24.0	2.16	4.53	15.31
11514	J232326.53+152510.4	0.0428	10.27	9.16	19.6	2.98	4.27	16.26
11386	J232611.29+140148.1	0.0462	10.56	9.08	25.7	3.46	4.69	15.77
11808	J235257.31+154244.8	0.0479	10.78	8.69	36.0	2.61	4.97	14.97
11845	J235644.47+135435.4	0.0363	10.60	8.65	42.5	2.47	4.10	14.98
11824	J235747.57+153649.2	0.0380	10.25	8.05	39.1	2.23	3.24	15.45