Supplementary Table 1. Diffuse FUV/NUV intensities (in units of phots cm^{-2} s^{-1} sr^{-1}), IR fluxes (in units of MJy sr^{-1}), and neutral hydrogen column densities N(HI) for selected 33 locations having non-zero IR intensities at all considered wavelengths. The N(HI) values have been derived from the THINGS integrated HI map. Magenta colour indicates locations with N(HI) $< 1\times10^{21}$ cm^{-2}.

Loc No	l (deg)	b (deg)	FUV	NUV	$I_{4.5\mu m}$	$I_{5.8\mu m}$	$I_{24\mu m}$	$I_{70\mu m}$	$I_{100\mu m}$	$I_{160\mu m}$	N(HI) (10^{21} cm^{-2})
1	144.2995	32.6691	3524.02 ±195.43	2799.29 ±103.08	0.0062 ±0.0041	0.0063 ±0.0219	0.0212 ±0.0370	1.0850 ±0.4762	2.0711 ±0.1891	1.3365 ±0.6228	1.60 ±0.09
2	144.2058	32.7248	521.58 ±105.50	419.11 ± 58.81	0.0045 ±0.0035	0.0097 ±0.0228	0.0335 ±0.0476	0.3675 ±0.3499	0.0888 ±0.4188	0.1896 ±0.2158	0.08 ±0.008
3	144.2835	32.7029	6533.34 ±255.21	5195.95 ±133.38	0.0131 ±0.0072	0.0052 ±0.0410	0.1527 ±0.1028	4.1669 ±0.9138	5.2371 ±0.3456	5.3175 ±1.1359	1.48 ±0.43
4	144.2829	32.7354	1010.03 ±125.49	555.67 ±62.18	0.0043 ±0.0127	0.0245 ±0.0210	0.0739 ±0.0915	0.7040 ±0.2525	2.1856 ±0.4774	0.4082 ±0.3509	0.97 ±0.05
5	144.2714	32.6746	5021.40 ±226.59	4901.48 ±129.93	0.0052 ±0.0061	0.0221 ±0.0241	0.0152 ±0.0263	1.4038 ±0.4099	0.2419 ±0.2397	2.3658 ±0.3959	0.98 ±0.11
6	144.2682	32.7303	3083.16 ±186.10	2106.87 ±92.62	0.0042 ±0.0051	0.0009 ±0.0343	0.0536 ±0.0373	0.8714 ±0.4047	0.1217 ±0.4199	1.2483 ±0.5298	1.04 ±0.10
7	144.2128	32.6840	3899.69 ±203.15	2457.21 ±98.29	0.0089 ±0.0114	0.0492 ±0.0365	0.0013 ±0.0364	0.0950 ±0.3539	0.0938 ±0.3735	1.1237 ±0.1573	0.91 ±0.11
8	144.3110	32.7007	3952.94 ±204.34	2608.94 ±100.12	0.0070 ±0.0065	0.0219 ±0.0195	0.0382 ±0.0332	0.0932 ±0.1962	2.6554 ±0.4565	0.2270 ±0.2994	0.36 ±0.07
9	144.3063	32.6755	10922.56 ±321.58	7897.64 ±160.87	0.0049 ±0.0080	0.0117 ±0.0273	0.0649 ±0.0327	1.6511 ±0.3393	1.8380 ±0.4956	1.5806 ±0.2642	2.05 ±0.21
10	144.2544	32.6734	3929.44 ±205.28	3081.45 ±107.11	0.0038 ±0.0048	0.0111 ±0.0222	0.0287 ±0.0242	1.0782 ±0.4586	0.4431 ±0.5541	1.1277 ±0.1548	1.44 ±0.12
11	144.3066	32.6670	2788.49 ±177.58	1777.78 ±86.90	0.0029 ±0.0055	0.0052 ±0.0278	0.0135 ±0.0385	0.2171 ±0.3018	1.1570 ±0.4715	0.8655 ±0.6826	0.96 ±0.02
12	144.3100	32.6556	1505.13 ±141.45	871.87 ±69.63	0.0030 ±0.0049	0.0138 ±0.0262	0.0061 ±0.0289	0.0810 ±0.2384	2.2887 ±0.3257	0.7581 ±0.0427	0.40 ±0.05
13	144.2417	32.6750	4876.30 ±223.23	3274.28 ±109.47	0.0115 ±0.0522	0.0088 ±0.0437	0.0135 ±0.0402	0.3768 ±0.1624	1.4094 ±0.3236	0.5471 ±0.5152	0.27 ±0.03
14	144.2816	32.6657	3308.87 ±190.74	2930.76 ±104.94	0.0049 ±0.0051	0.0080 ±0.0208	0.0202 ±0.0351	1.2717 ±0.2959	0.9758 ±0.4028	1.0013 ±0.2101	1.63 ±0.09
15	144.2885	32.7289	4060.48 ±207.78	2142.49 ±93.16	0.0011 ±0.0036	0.0107 ±0.0259	0.0525 ±0.0558	2.1309 ±0.4932	2.6377 ±0.5618	1.5193 ±0.7586	2.74 ±0.14
16	144.2847	32.6633	2864.80 ±179.26	2344.61 ±96.10	0.0041 ±0.0025	0.0168 ±0.0184	0.0008 ±0.0293	1.4128 ±0.1951	1.6775 ±0.4181	1.1351 ±0.0553	1.53 ±0.08
17	144.3087	32.6598	1299.51 ±135.44	776.81 ±67.38	0.0009 ±0.0036	0.0052 ±0.0243	0.0053 ±0.0276	0.4203 ±0.2480	2.2430 ±0.5503	0.2245 ±0.2224	0.64 ±0.12
18	144.2642	32.7385	1382.51 ±137.36	779.92 ±67.28	0.0042 ±0.0044	0.0064 ±0.0225	0.0137 ±0.0344	0.3062 ±0.1321	0.3756 ±0.5151	0.3313 ±0.2365	0.65 ±0.10
19	144.2226	32.6552	1044.90 ±126.64	585.59 ±63.10	0.0088 ±0.0097	0.0014 ±0.0242	0.0233 ±0.0331	0.4190 ±0.3380	0.8689 ±0.4349	0.6305 ±0.2124	1.80 ±0.12
20	144.2661	32.7527	451.27 ±103.50	187.88 ±52.70	0.0114 ±0.0492	0.0095 ±0.0298	0.0435 ±0.0449	0.6044 ±0.1305	2.1473 ±0.4956	0.0313 ±0.1627	0.78 ±0.03
21	144.3336	32.6575	842.51 ±119.50	435.68 ±59.22	0.0026 ±0.0051	0.0240 ±0.0496	0.0063 ±0.0357	0.2864 ±0.2863	1.2062 ±0.5060	0.0144 ±0.1607	1.19 ±0.09
22	144.2679	32.7278	6186.94 ±249.07	3884.05 ±118.01	0.0055 ±0.0089	0.0270 ±0.0316	0.0799 ±0.0432	1.7395 ±0.6421	0.7082 ±0.4474	1.3012 ±0.5407	1.42 ±0.24
23	144.2625	32.6781	6031.80 ±246.48	4926.88 ±130.52	0.0054 ±0.0029	0.0146 ±0.0219	0.0246 ±0.0266	1.4907 ±0.2342	3.2091 ±0.3913	2.4704 ±0.4102	1.57 ±0.08
24	144.2465	32.6483	484.79 ±104.94	373.81 ±57.76	0.0055 ±0.0258	0.0102 ±0.0152	0.0194 ±0.0414	0.2141 ±0.4245	0.5041 ±0.3707	0.7612 ±0.5002	0.52 ±0.04
25	144.2843	32.7338	1020.05 ±125.75	571.37 ±62.72	0.0019 ±0.0173	0.0034 ±0.0137	0.0754 ±0.0408	0.7050 ±0.2847	2.8483 ±0.2218	0.1798 ±0.3059	1.01 ±0.04
26	144.2823	32.6637	2583.06 ±172.47	2330.55 ±96.08	0.0046 ±0.0045	0.0105 ±0.0183	0.0116 ±0.0282	1.3005 ±0.2660	0.9547 ±0.5276	0.9787 ±0.1291	1.54 ±0.08
27	144.2817	32.7376	656.15 ±111.45	437.76 ±59.30	0.0020 ±0.0011	0.0143 ±0.0243	0.0502 ±0.0561	0.7400 ±0.3167	1.4890 ±0.2596	0.9973 ±0.3334	0.92 ±0.06
28	144.2418	32.6507	705.38 ±114.13	519.10 ±61.29	0.0021 ±0.0051	0.0058 ±0.0238	0.0062 ±0.0381	0.3664 ±0.4157	1.5994 ±0.5095	0.4009 ±0.6219	0.53 ±0.07
29	144.2930	32.7406	790.26 ±117.64	379.86 ±57.89	0.0032 ±0.0052	0.0009 ±0.0310	0.0271 ±0.0345	0.2107 ±0.2292	2.2268 ±0.3958	0.6244 ±0.0767	0.93 ±0.15
30	144.2723	32.6760	6651.67 ±256.96	5633.73 ±138.20	0.0065 ±0.0097	0.0180 ±0.0330	0.0151 ±0.0347	2.3598 ±0.5313	0.0340 ±0.2841	3.1375 ±0.4827	1.22 ±0.16
31	144.2476	32.6519	1314.31 ±135.42	1100.58 ±74.24	0.0070 ±0.0548	0.0124 ±0.0338	0.0815 ±0.0557	1.3963 ±0.4828	3.3328 ±0.6623	1.6340 ±0.5010	0.90 ±0.13
32	144.2721	32.7334	1441.79 ±139.82	883.12 ±69.57	0.0010 ±0.0037	0.0159 ±0.0286	0.0264 ±0.0390	0.9325 ±0.3304	0.6293 ±0.4523	1.6947 ±0.4395	1.10 ±0.06
33	144.2765	32.6735	6188.49 ±249.34	4984.33 ±131.09	0.0061 ±0.0040	0.0315 ±0.0278	0.0440 ±0.0317	2.1421 ±0.4936	1.0896 ±0.3669	2.8156 ±0.5833	1.13 ±0.07