APPENDIX A: NOTES TO INDIVIDUAL GALAXIES

In the following we discuss special cases that merit further description, especially where detections showed a confused profile or identifications may be wrong. Please note that when examining other sources inside a radio telescope beam that could possibly contaminate the H I profile obtained while pointing towards the intended target source, we express their separation in terms of the telescope's beam radius, rather than in arcminutes: the beam radius unit, b, is the distance from the pointing centre at which the telescope gain has dropped to a level of 50% of its peak level (i.e. 0.5 HPBW).

2MASX J00265906+6049388: Our marginal detection comes from the target. To check that we did not detect nearby 2MASX J00265869+6054037 (at $0.3b$ distance) instead, we directly observed the latter galaxy, which, at K^o= $12\overset{\mathrm{m}}{.}2$, is not in the selected sample It was not detected.

2MASX J00475430+6807433: There is a discrepancy between its H I and optical velocities. The velocity of our solid (SNR = 17) H I detection, $3763\pm5\,\mathrm{km\,s^{-1}}$, is much higher than its reported optical velocity of $1273\pm65\,\mathrm{km\,s^{-1}}$ (Huchra et al. 2012). The galaxy is a late-type nearly edge-on spiral galaxy consistent with the H I profile parameters (i.e., W_{50}= 341 $\mathrm{km\,s^{-1}}$), and no other galaxy is visible within one beam radius distance.

2MASX J01281012+6313517 and J01281886+6302138: The profile of our marginal detection ($V_{\rm HI} = 6040\,\mathrm{km\,s^{-1}}$) is lopsided and the lower velocity end uncertain. The baseline, however, is wavy and the profile could in fact extend to lower velocities (5750 $\mathrm{km\,s^{-1}}$ or even 5500 $\mathrm{km\,s^{-1}}$). Since the target is a very edge-on spiral galaxy a line width larger than the one measured (W_{50}= 154 $\mathrm{km\,s^{-1}}$) seems likely. A low level confusion with 2MASX J01273787+6308155 at $2b$, also detected by us ($V_{\rm HI} = 6223\,\mathrm{km\,s^{-1}}$) cannot be excluded. Nearby 2MASX J01281886+6302138 (at $1.0b$) seems to show residuals of one or more detection as well but this is too uncertain to be listed as a detection. Slightly further away, at $1.4b$, lies ZOAG G127.11+00.54 (not in the 2MASX catalogue) which has an optical velocity of $5639 \pm 44\,\mathrm{km\,s^{-1}}$ (Huchra et al. 1983). At $0.8b$ it lies closer to 2MASX J01281886+6302138, though, and would show up more prominently in this observation.

2MASX J01474890+6305128: Our detection is actually of a nearby, obscured galaxy, EZOA J0147+63. We observed this galaxy at a small offset of $0.1b$ ($1\overset{\prime}{.}3$) from its optical centre (i.e., at the position of 2MASX J01475111+6305278), but this should not affect its measured profile parameters. The blind Effelsberg EBHIS-ZoA H I survey (Schröder et al. 2017) lists the same detection (EZOA J0147+63) but with a six times higher flux and an H I source position $2.4b$ away from our NRT target position, which means our detection is not of the NRT target. There is no visible counterpart for this EBHIS detection.

2MASX J02013241+6824219: Our central H I velocity of $3771\pm3\,\mathrm{km\,s^{-1}}$ is much lower than the only published optical measurement, $4554\pm55\,\mathrm{km\,s^{-1}}$ (Fisher et al. 1995), which is, however, noted as a "poor value". To confirm whether our detection is correct, we also observed the galaxy 2MASX J02021731+6821460 at $2.3b$ to the east of our target which has an optical velocity of $3675\pm42\,\mathrm{km\,s^{-1}}$ (Strauss et al. 1992) and two H I detections at 3577 $\mathrm{km\,s^{-1}}$ and 3578 $\mathrm{km\,s^{-1}}$ by Huchtmeier et al. (1995) (at Effelsberg) and Paturel et al. (2003) (at the NRT), respectively. While comparing our NRT spectrum to the one by Paturel et al. is difficult, as due to our superimposed negative OFF-beam detection in the range $\sim 3600 - 3700\,\mathrm{km\,s^{-1}}$ we only see H I emission in the range $\sim 3700 - 3850\,\mathrm{km\,s^{-1}}$, the Paturel et al. profile only goes up to $\sim$3700 $\mathrm{km\,s^{-1}}$. This means we have detected our target and not this nearby galaxy.

2MASX J02084091+7102087 and J02085980+7114029: The observation of 2MASX J02085980+7114029 ($V_{\rm HI}$ = 2954 $\mathrm{km\,s^{-1}}$, W_{50}= 248) shows a clearly separated second detection in the beam at $V_{\rm HI}$ = 3304 $\mathrm{km\,s^{-1}}$, which is of 2MASX J02084091+7102087 at $1.1b$ distance (which was also observed directly by us) with an optical velocity of $3380\pm50\,\mathrm{km\,s^{-1}}$ (Nakanishi et al. 1997).

2MASX J02121002+6144326: Reported as detected with the NRAO 91m telescope by Kerr & Henning (1987), but not detected by us. Given the $11'$ HPBW of that telescope, its reported position uncertainty is $5'$-$10'$, which means it could be the detection of a galaxy outside the NRT beam. Its reported total line flux is 3 K $\mathrm{km\,s^{-1}}$, which we could not reduce to a reliable value in terms of Jy $\mathrm{km\,s^{-1}}$, however. We compared the total line fluxes given in K $\mathrm{km\,s^{-1}}$ in their Table 3 for the seven detections identified with optical galaxies to their mean line fluxes given in Jy $\mathrm{km\,s^{-1}}$ in HyperLeda, but found too wide a range (1.0 ± 0.9) of K/Jy conversion values.

2MASX J02531475+5528143, J02531969+5529140 and Anon J025321.6+553602: Our H I spectrum of 2MASX J02531969+5529140 shows two detections, centred on 3824 and 4462 $\mathrm{km\,s^{-1}}$, respectively. The target does not have a published velocity. Well within the NRT beam, at $0.4b$ distance, lies the highly inclined galaxy 2MASX J02531475+5528143, with a published uncertain optical velocity of $4467\pm300\,\mathrm{km\,s^{-1}}$ (Lawrence et al. 1999), which matches the broader (W_{50}= 121 $\mathrm{km\,s^{-1}}$) of our two H I detections at 4462 $\mathrm{km\,s^{-1}}$. Paturel et al. (2003) obtained an NRT spectrum for this galaxy with a detection at $V_{\rm HI}$ = 3834 $\mathrm{km\,s^{-1}}$ (W_{50}= 78 $\mathrm{km\,s^{-1}}$ and peak $S_{\rm p}$= 60 mJy) but did not detect our 4462 $\mathrm{km\,s^{-1}}$ profile (their rms is higher). In addition, we observed a fainter spiral galaxy visible on DSS images to the north at $0.5b$ distance (Anon J025321.6+553602) which is not in the 2MASX catalogue and again detected both profiles, at 3826 and 4351 $\mathrm{km\,s^{-1}}$, respectively.
For the narrower profile at $V_{\rm HI}$ = 3824 $\mathrm{km\,s^{-1}}$ (W_{50}= 63 $\mathrm{km\,s^{-1}}$) our flux towards 2MASX J02531969+5529140 is $F_{\rm HI}$= 4.9 Jy $\mathrm{km\,s^{-1}}$, slightly lower for Anon J025321.6+553602: $F_{\rm HI}$= 4.3 Jy $\mathrm{km\,s^{-1}}$ and lowest for 2MASX J02531475+5528143: $F_{\rm HI}$= 3.3 Jy $\mathrm{km\,s^{-1}}$. The blind Effelsberg EBHIS-ZoA survey (Schröder et al. 2017), however, lists the same detection (EZOA J0253+55) with a total flux twice as high as ours ($F_{\rm HI}$= 9.7 Jy $\mathrm{km\,s^{-1}}$) but at a position outside of our beams (RA,Dec =$02^h53^m37\overset{s}{.}0$,+55°25′19″, with a positional uncertainty of about $1\overset{\prime}{.}2$) They identified an uncatalogued galaxy visible on the DSS located $\sim 1b$ away from both our target positions as the counterpart (at RA,Dec =$02^h53^m32\overset{s}{.}4$,+55°27′16″).
The broader profile seems to be confused. It was detected at 4462 $\mathrm{km\,s^{-1}}$ (W_{20}= 419 $\mathrm{km\,s^{-1}}$) in the 2MASX J02531969+5529140 pointing, at 4351 $\mathrm{km\,s^{-1}}$ (W_{20}= 424 $\mathrm{km\,s^{-1}}$) in the Anon galaxy pointing and at 4337 $\mathrm{km\,s^{-1}}$ (W_{20}= 387 $\mathrm{km\,s^{-1}}$) in the 2MASX J02531475+5528143 pointing. All three galaxies seem to contribute though it is not possible to distentangle the contributions. Based on the the various peak fluxes and the morphologies of the galaxies, we can estimate that the peak at 4200 $\mathrm{km\,s^{-1}}$ comes from 2MASX J02531475+5528143 and possibly goes up to 4500 $\mathrm{km\,s^{-1}}$ since the galaxy is nearly edge-on. The emission in the $4400 - 4500\,\mathrm{km\,s^{-1}}$ range is most pronounced at the 2MASX J02531969+5529140 pointing and would match with the more face-on appearance of this galaxy. The Anon galaxy pointing seems to show more emission than based on the distance to the other targets ($0.5b$ and $0.8b$) and the only identifiable peak that is more promnent than in the other pointings is at 4300 $\mathrm{km\,s^{-1}}$.

2MASX J03104409+6106477 and J03111176+6105047: Our H I spectrum taken towards 2MASX J03111176+6105047 shows a clear detection at 2775 $\mathrm{km\,s^{-1}}$ and a possible at 2568 $\mathrm{km\,s^{-1}}$. The galaxy has no optical velocity. At a distance of $1.9b$ lies another of our H I targets, 2MASX J03104409+6106477, with a tentative detection at 2505 $\mathrm{km\,s^{-1}}$. It is possibly interacting with a companion, 2MASX J03105210+6107066 (which is an IRAS source), at $1\overset{\prime}{.}0$ distance (and $0.6b$ from the first target 2MASX J03111176+6105047) The brighter of the two, 2MASX J03104409+6106477, has an optical velocity of $2350\pm60\,\mathrm{km\,s^{-1}}$ in the CfA velocity catalog (Huchra, Geller & Corwin 1995), but it may not be reliable as it does not appear in the 2MRS Extra Catalog (Huchra et al. 2012). There are no sufficient data to conclude that 2MASX J03104409+6106477 has been detected.

2MASX J03202205+6645055 and Anon J031958.7+664959: Our detection at $V_{\rm HI}$ = 2993 $\mathrm{km\,s^{-1}}$ for 2MASX J03202205+6645055 is actually of HIJASS J0319+66 (Lang et al. 2003) at $V_{\rm HI}$ = 3005 $\mathrm{km\,s^{-1}}$ which has a higher peak flux density. The optical counterpart of the detection is Anon J031958.7+664959 at $1.3b$ distance. We have confirmed this with a separate observation of Anon J031958.7+664959.

2MASX J03292042+6601389: Our central H I velocity of $2113\pm7\,\mathrm{km\,s^{-1}}$ is 69 $\mathrm{km\,s^{-1}}$ (4σ) lower than the published optical velocity of $2182\pm14\,\mathrm{km\,s^{-1}}$

(Huchra et al. 2012). The target is a large and inclined medium type spiral, also detected by IRAS, and thus we would expect to detect it easily. No other candidate is visible within the beam radius and we conclude that we detected the target.

2MASX J03385418+6617499 and J03390698+6620429: Our H I profile of 2MASX J03385418+6617499 may be confused. It shows a $\sim$250 km s^{-1} wide central peak centred around $V_{\rm HI}$ = 6043 km s^{-1}, with weaker emission around it, especially at higher velocities. The target has an optical velocity of 6055$\pm$71 km s^{-1} (Huchra et al. 2012) which corresponds well to the mean of the central H I peak. The emission at the low-velocity end seems to be (partly) due to nearby (0.7b to the north) galaxy 2MASX J03390698+6620429, without optical velocity and which, at K^o= 12.$^{\rm m}$2, is not in the selected sample, but which we observed to verify the detection of 2MASX J03385418+6617499. The line parameters of both galaxies are for the entire H I profile.

2MASX J03393937+6527116 and J03394709+6528486: Their H I profiles are mutually confused. Observations were made towards each of the galaxies in this pair with 0.5b N-S separation They have similar optical velocities (Huchra et al. 2012), the former at 5177$\pm$37 km s^{-1} and the latter at 5222$\pm$70 km s^{-1}. Comparing the two H I profiles, it appears that the higher velocity peak, at $\sim$5300 km s^{-1}, is most likely due to 2MASX J03394709+6528486 (which is the lesser inclined), but due to their proximity their H I profiles cannot be disentangled.

2MASX J03403139+6649043: Our H I detection is probably of another galaxy. The optical velocity of the target, 5008$\pm$52 km s^{-1} (Huchra et al. 2012), does not agree with our H I velocity of 1574 km s^{-1}. 2MASX J03400768+6642470 (at 1.4b to the SW) is a large inclined spiral and a more likely candidate for our H I detection, as it has a published NRT H I velocity of 1496 km s^{-1} (Paturel et al. 2003). Our detection shows only the high-velocity horn of their profile.

2MASX J03480684+4955450, J03480963+4955140 and J03482002+4955207: There are three galaxies close together which we all observed in turn: 2MASX J03480684+4955450 and 2MASX J03482002+4955207 are at 0.2b and 0.9b from 2MASX J03480963+4955140, respectively. All three pointings show a detection at $V_{\rm HI} \sim$ 10,000 km s^{-1}, but in the case of 2MASX J03482002+4955207 it is fainter, consistent with the detection being either of 2MASX J03480963+4955140 or of 2MASX J03480684+4955450. The latter two are too close together for such a comparison, and it is likely (based on the form of the profiles) that both contribute to the H I detection: both are medium-type spirals, with 2MASX J03480684+4955450 less inclined than 2MASX J03480963+4955140, which has an optical velocity of 9684 km s^{-1} without listed uncertainty (Nakanishi et al. 1997).

2MASX J04002219+3839233 and J04002709+3854173: 2MASX J04002219+3839233 is a very edge-on large spiral, and the detection shows a nice double horn. There is also some additional emission at the high-velocity end ($\leq$ 6700 km s^{-1}, which is likely due to another galaxy in the vicinity. We have also observed the bright (K^o= 9.$^{\rm m}$4) 2MASX J04002709+3854173 at 1.4b to the north, which has an optival velocity of 6134 $\pm$ 58 km s^{-1} (Huchra et al. 2012) but it is not detected. There are smaller galaxies in the region, one of which may be contributing to the signal.

2MASX J04114143+3841285: Our detection appears to be of another galaxy. The target has an optical velocity of 6438$\pm$63 km s^{-1} (Huchra et al. 2012) and is likely an elliptical or S0 galaxy. Our H I detection at 5698 km s^{-1} appears to be of nearby (1.1b to the north) 2MASX J04113202+3846565, which has an NRT H I detection (Paturel et al. 2003) at 5724 km s^{-1}. Their peak flux density is about twice as high as ours.

2MASX J04115755+3838463, J04115864+3842213, J04120068+3846073 and J04121283+3842023: The first three galaxies lie within the same NRT beam, and the separations between this N-S oriented trio are 0.4b and 0.3b (counted from N to S). To the east at 1.5b distance lies 2MASX J04121283+3842023 (while to the west at 1.1b is 2MASX J04114143+3841285 which we discussed above). In all four spectra broad ($W_{50}\sim$500 km s^{-1}) H I emission is detected around $V_{\rm HI} \sim$ 5770 km s^{-1}, with $F_{\rm HI}\sim$ 4.9 $-$ 6.7 Jy km s^{-1}. This is not consistent with the optical velocities (Huchra et al. 2012) for 2MASX J04115755+3838463 (7008 $\pm$ 58 km s^{-1}) and for 2MASX J04115864+3842213 (6535 $\pm$ 69 km s^{-1}).
These four galaxies, together with several more of our targets (e.g. 2MASX J04122913+3838553) seem to be part of the galaxy group HCDE 0271 with a mean velocity of 6491 km s^{-1} (Crook et al. 2007). Interestingly, five of the six published optical velocities (Huchra et al. 2012) in the area are indeed $>10\sigma$ higher than the H I detections of our quadruple. On the other hand, one galaxy in the outskirts of the group, 2MASXJ04131853+3819491, was detected by us at a similar velocity as published ($V_{\rm HI}$ = 6441 km s^{-1} vs. $V_{\rm opt}$ = 6482 km s^{-1}).
While 2MASX J04121283+3842023 to the east of the N-S trio (1.5b from 2MASX J04115864+3842213) as well as 2MASX J04120068+3846073 (both without optical velocity) show the strongest emission in the 5700 $-$ 5850 km s^{-1} range ($S_{\rm p}\simeq$ 14 mJy), 2MASX J04121283+3842023 does not show the strong peak at $\sim$6000km s^{-1} that is found in all the other spectra. Considering the line fluxes, we find that 2MASX J04120068+3846073 to the north shows the highest flux ($F_{\rm HI}$= 6.7 Jy km s^{-1}), J04115864+3842213 (in the centre) has the lowest (4.9 Jy km s^{-1}) and the other two have $\sim$5.4 Jy km s^{-1}. We conclude that 2MASX J04120068+3846073 and J04121283+3842023 are definitely detected, and J04115755+3838463 very likely (despite its high optical velocity). We cannot say much about J04115864+3842213 in the centre though: most of the flux observed towards it is likely due to the surrounding galaxies. Though the extinction is high in this area ($A_{\rm K} \simeq$ 0.$^{\rm m}$5), we have deep UKIDSS images that show even the fainter spiral disks and arms. There is no hidden galaxy that could account for (parts of) the H I detection (in particular of J04115755+3838463), only one diffuse galaxy is visible at about 1b from both 2MASX J04115864+3842213 and J04121283+3842023 (RA,Dec =04^{h}12^{m}05.^{s}7,+38°47′52″) but it is too small to be a likely contributor.

2MASX J04122913+3838553, J04124119+3843433 and J04124692+3835153: All three observations appear to have detected the same object, 2MASX J04124119+3843433. We observed a complex H I profile with 3 peaks towards 2MASX J04124119+3843433 (see Fig. A1). We also detected H I towards another target on the edge of its NRT beam's HPBW, J04124692+3835153 (see Fig. A1). It has a two-times lower flux at a similar velocity ($\sim$6340 km s^{-1}) as J04124119+3843433. The third target, 2MASX J04122913+3838553 at 1.4b from J04124119+3843433, shows tentatively the same peak but is heavily affected by the OFF-beam detection of 2MASX J04131853+3819491 in the range 6300 $-$ 6600 km s^{-1} (spectrum not shown) We conclude that all three observations detected the same object, namely 2MASX J04124119+3843433. All three targets are likely part of the HCDE 0271 group discussed above.

2MASX J04240288+3731070, J04241490+3725180 and J04242347+3724490: All three detections are of the same object, 2MASX J04241490+3725180 (at $V_{\rm HI} \sim$ 6800 km s^{-1}). Both 2MASX J04240288+3731070 and J04242347+3724490 have much lower optical velocities of 5969$\pm$70 km s^{-1} and 6259$\pm$47 km s^{-1}, respectively (Huchra et al. 2012). They are separated by 1.4b and 1.0b, respectively, from J04241490+3725180 which agrees with their respective flux ratios of 34% and 68% as compared to 2MASX J04241490+3725180 ($F_{\rm HI}$= 1.32 Jy km s^{-1}).

2MASX J04341003+2556378: The profile of this detection shows a strong single peak and a low signal-to-noise high-velocity shoulder. The extinction in this area is fairly high at A_B = 6.$^{\rm m}$1 and no other galaxy is visible within two beam radii. It is not clear whether the strong single peak emission at $V_{\rm HI} \sim$ 7200 km s^{-1}comes from a disturbed H I disc (the galaxy has a NIR inclination of 56°) or from an invisible companion.

2MASX J04481569+3435012 and J04481997+3436502: 2MASX J04481997+3436502 has an optical velocity of 6453$\pm$72 km s^{-1} (Huchra et al. 2012), which is $\sim 5\sigma$ higher than our H I velocity of 6125$\pm$6 km s^{-1}; it is a rather narrow profile (W_{50}= 76 km s^{-1}). There is another galaxy in the beam, 2MASX J04481569+3435012 at 0.5b distance, which has a later morphological type and a similar appearance on WISE NIR images as our target (but is, at K^o= 12.$^{\rm m}$5, too faint for our sample). Our marginal H I profile of 2MASX J04481569+3435012 (Fig. A1) shows the same detection as well as fainter emission next to it. Altogether the peak flux in this observation is comparable to that of 2MASX J04481997+3436502, which means, assuming some contribution from the underlying broader profile, that the narrow and strong profile is indeed due to 2MASX J04481997+3436502.

2MASX J04534877+4218445: Although our central H I velocity of 6860±13 km s^{-1} is 933 km s^{-1} lower than the optical velocity of 7793 km s^{-1} from Takata et al. (1994) (with a generic uncertainty of ±50 km s^{-1}), it is only 95 km s^{-1} lower than the uncertain 6955 ± 300 km s^{-1} of Lawrence et al. (1999).

2MASX J04580771+3533503 and J04580945+3523013: Only the former was detected. The pointing towards 2MASX J04580945+3523013 shows another galaxy in the beam at $0.9b$ distance which is not in our sample (2MASX J04580771+3533503 with $K^o = 11\overset{\mathrm{m}}{.}6$) We also observed this object directly and find that its flux is about twice as high as for 2MASX J04580945+3523013.

2MASX J05014040+4338109: Two discrepant H I velocities have been reported for this galaxy, 5161±7 km s^{-1} (Hauschildt 1987) at Effelsberg and ∼7170 km s^{-1} (Haynes et al. 1988; Springob et al. 2005) at the NRAO 300-ft. The former, rather weak ($F_{\rm HI}$= 1.3±0.9 Jy km s^{-1}) detection appears to be affected by a baseline ripple. Our detection at 7194 km s^{-1} is consistent with the latter.

2MASX J05200866+4314313: Our detection at $V_{\rm HI}$ = 3785±2 km s^{-1} appears to be of the target. Nearby (at $0.6b$ distance) 2MASX J05201415+4318214 has an uncertain optical velocity of 3600±600 km s^{-1} (Hill et al. 1988) and a published NRT H I velocity of 3767±4 km s^{-1} (Martin et al. 1990). The published NRT profile is lopsided, while ours appears level and broader (W_{20} of 172 vs. 147 km s^{-1}). We therefore assume that our target 2MASX J05200866+4314313 is the detected galaxy in both cases (it seems likely that 2MASX J05201415+4318214 appears in the published profile as a low-velocity shoulder.)

2MASX J05515780+1807051: Our target is the most likely counterpart, although there are two other possible candidates for the H I detection: there is a faint edge-on spiral visible on the DSS at $0.6b$ distance, and a 2MASS galaxy (at $K^o = 12\overset{\mathrm{m}}{.}2$ it is not in our sample) at $0.5b$, both only slightly smaller than the target. None have optical velocities.

2MASX J05583605+4031118: Our target was not detected. It is a close pair with 2MASX J05583132+4031028 (at $0.5b$), which we have also observed (to be published in the forthcoming paper on the TF relation). Since both the flux and the peak flux are about 0.8 times lower for our target 2MASX J05583605+4031118, we concluded that the detection made towards our target is due to its close neighbour.

2MASX J05585447+1759445, J05590035+1806455 and J05590393+1804285: We detected similar H I profiles around 6000 km s^{-1} towards all three targets, none of which have optical velocities. Together with another of our targets (2MASX J05583483+1754200), which has a clearly separate profile at 6092 km s^{-1}, they seem to form a small group. A fifth galaxy, a late type spiral only visible on the deep UKIDSS images (RA,Dec = $05^h58^m49\overset{s}{.}2$,+17°58′57″) at $0.7b$ distance from 2MASX J05585447+1759445 is also a possible member. 2MASX J05590035+1806455 and J05590393+1804285 show similar fluxes ($F_{\rm HI} \simeq$ 2.7 Jy km s^{-1}) and the contributions of the individual galaxies cannot be disentangled due to their proximity (at $0.5b$ or $2'.4$ to the north). We detected a similar H I profile towards 2MASX J05585447+1759445, but with about half the integrated line flux – this can be explained entirely by the detection of the other two galaxies, given their projected distances ($1.0b$ and $1.3b$, respectively), without the need for additional emission from 2MASX J05585447+1759445. The prominent peak at ∼ 5900 km s^{-1} visible in the observation of both J05585447+1759445 and J05590035+1806455 but less in J05590393+1804285 could possibly come from the unknown galaxy mentioned above.

2MASX J06074379+1608036 and J06074754+1604526: 2MASX J06074754+1604526 shows a profile similar to 2MASX J06074379+1608036 but with a 24% lower flux (their separation is $0.5b$). The profile of 2MASX J06074379+1608036 looks confused, and its Effelsberg EBHIS-ZoA detection by Schröder et al. (in prep.; EZOA J0607+16; $F_{\rm HI}$= 5.9 Jy km s^{-1}) shows the peak at $V_{\rm HI}$ = 5650 km s^{-1} more clearly. They list both 2MASX J06074379+1608036 and an LSB galaxy at (RA,Dec = $06^h07^m34\overset{s}{.}5$,+16°06′03″) as the counterparts of the EZOA source. We conclude that we did not detect 2MASX J06074754+1604526, and that our profile of 2MASX J06074379+1608036 shows at the high velocity end contamination by the aforementioned LSB galaxy at $1.2b$ distance (or $1.7b$ from 2MASX J06074754+1604526).

2MASX J06100449+2029063: The spectrum of this pointing shows a barely resolved (W_{50}= 27 km s^{-1}, at 18 km s^{-1} resolution) non-RFI spike at 4521 km s^{-1}, very similar to the one found in the spectra of 2MASX J20194861+4046363 and J20201209+4039396 (at 4470 km s^{-1}). Though the extinction is very high ($A_K = 3\overset{\mathrm{m}}{.}5$) the UKIDSS image shows large, open spiral arms indicating a nearly face-on late-type spiral. To check on this detection, we obtained a test observation at $2.0b$ distance where we found the same spike with lower flux; however, the flux ratio of 0.7 does not agree with the large distance between the two pointings and the target is listed as not detected.

2MASX J06171616+1655575: We detected a complex, broad (W_{50}= 552 km s^{-1}) profile towards this target, which is not due to RFI or baseline curvature. The target is an inclined spiral, though far from being edge-on, and thus is unlikely to account entirely for such a broad profile. At $0.9b$ due south is an inclined medium type spiral 2MASX J06171664+1645515 (at $K^o = 11\overset{\mathrm{m}}{.}5$ it is not in our sample) that might give rise to confusion within the beam, though at $A_K = 0\overset{\mathrm{m}}{.}5$ the presence of another hidden late-type galaxy in the telescope beam cannot be excluded.

2MASX J06354846+1115047: Our profile ($V_{\rm HI}$ = 3838 km s^{-1}) is confused with emission from ADBS J063549+1107, at $0.6b$ (or $7'.4$) distance, for which Rosenberg & Schneider (2000) measured $V_{\rm HI}$ = 3765 km s^{-1} at Arecibo (W_{50}=389 km s^{-1}, $F_{\rm HI}$=5.3 Jy km s^{-1}). A near-by ($0.2b$) HIPASS detection (HIPASS J0635+11) at $V_{\rm HI}$ = 3575 km s^{-1} is likely to be associated with another detection by Rosenberg & Schneider (2000) at $V_{\rm HI}$ = 3570 km s^{-1}, ADBS J063603+1109, which lies outside our beam at $2.0b$.

2MASX J06455492-1812493 = NGC 2283: We seem to have underestimated the H I line flux of this extended object. While NGC 2283 is listed in the 2MASS Large Galaxy Atlas Jarrett et al. (2003), its position listed in the Extended Source catalogue is that of a star in the outer parts. The observed position therefore lies 35″ W ($0.3b$) of the galaxy centre, which should not really affect the H I detection for a source smaller than the telescope beam. However, our line flux is 72 Jy km s^{-1} compared to 119 Jy km s^{-1} measured by HIPASS (Doyle et al. 2005) and 101 Jy km s^{-1} measured with the Effelsberg radio telescope (Huchtmeier & Richter 1986). With an optical diameter of $3'.6$ it is likely that the (presumably larger) H I disk of the galaxy is larger than the NRT E-W beam size.

2MASX J06590153+0634579 and Anon J065845.2+063640: There is a late-type anonymous spiral visible on the blue DSS image at $2.2b$ distance (RA,Dec = $06^h58^m45\overset{s}{.}2$,06°36′40″) from our 2MASX target. We also observed this galaxy directly as a check for the lopsided profile and detected it marginally at ∼ 300 km s^{-1} higher velocity (and clearly separated from the former profile) which means the two galaxies are both detected and form a pair.

2MASX J07245535-2430057 and Anon J072448.4-242441: Two galaxy profiles were detected at the 2MASX-target pointing. While the detection at $V_{\rm HI}$ = 908 km s^{-1} is of 2MASX J07245535-2430057, the detection at 4638 km s^{-1} is from a galaxy visible on the 2MASS K_s-band image (though it is not in the 2MASX catalogue) at $1.0b$ distance (RA,Dec = $07^h24^m48\overset{s}{.}4$,-24°24′41″) which we have confirmed by observing this galaxy directly.

2MASX J07403156-2618279: Our central H I velocity of 3578±4 km s^{-1} is 609 km s^{-1} higher than the published optical velocity of 2969 km s^{-1} (Yamada et al. 1994), with unknown uncertainty (please note that the 2953 km s^{-1} reported in Yamada et al. 1993 was a preliminary value only). Since neither optical measurement is listed in the 2MRS catalogue (Huchra et al. 2012), we consider our detection as reliable.

2MASX J07483070-2532370: Our central H I velocity of 4389±8 km s^{-1} is 414 km s^{-1} higher than the published optical velocity of 3975 km s^{-1} (Yamada et al. 1994) which, however, the authors labeled as uncertain as it is based on a marginal line detection.

2MASX J07483252-2516431: Our H I detection appears to be due to nearby 2MASX J07483452-2513191 at $0.4b$ which at $K^o = 11\overset{\mathrm{m}}{.}3$ is just below our

sample cut off. There is another spiral galaxy within the beam at $0.8b$ distance, 2MASX J07483666-2510211 (K^o=$11\overset{\rm m}{.}2$). All three appear to be of similar size. The latter has a published NRT H I velocity of 6809 km s^{-1} (Paturel et al. 2003) with a flux ($\sim$4.5 Jy km s^{-1}) comparable to ours, which would indicate that the H I source lies between these two pointings and thus 2MASX J07483452-2513191 appears to be the detected galaxy. There is also a Parkes HIZOA detection (J0748-25B; **?**) at (RA,Dec = $07^h48^m33\overset{s}{.}56$,-25°14′34″.6) and $V_{\rm HI}$ = 6809 km s^{-1} which is nearer to 2MASX J07483452-2513191 and which has a higher flux (7.3 Jy km s^{-1}).

2MASX J07545229-2756453: This lopsided H I detection comes from ESO 430-G001 at $2.8b$ distance, which was detected as HIZOA J0755-28 at Parkes by **?** with a peak flux density of $\sim$250 mJy. We only see the low velocity horn of the HIZOA profile which goes up to $\sim$1800 km s^{-1}.

2MASX J08191136-3833104: The H I detection comes from the Parkes source HIZOA J0818-38 which has a visible counterpart at (RA,Dec = $08^h18^m53\overset{s}{.}6$,-38°41′51″), at $2.1b$ distance (**?**). Their peak flux density is $\sim$70 mJy while ours is only $\sim$25 mJy.

2MASS J15394772-3454550 and J15400064-3451570: The lopsided H I detection in our sample observation of 2MASX J15400064-3451570 at $V_{\rm HI}$ = 4872 km s^{-1} is the detection of 2MASX J15394772-3454550 (ESO 388- G?005) at $1.5b$ which we also observed and detected as symmetric double-horn profile at $V_{\rm HI}$ = 4929 km s^{-1}. 2MASX J15400064-3451570 has also an optical velocity measurement of 4850 ± 15 km s^{-1} (Huchra et al. 2012) which coincides with the H I velocity: we can not exclude that faint emission at or near the detected profile may come from this galaxy.

2MASS J16182186-3730298, Anon J161826.2-373604, 2MASX J16182851-3739379 and J16183236-3723459: There are four larger galaxies in the area, all of which we observed. Two of them are in our 2MASX sample, unlike the third, a late-type spiral visible on DSS images at $0.4b$ distance (RA,Dec = $16^h18^m26\overset{s}{.}2$, -37°36′04″) from 2MASX J16182851-3739379. Between 2MASX J16182851-3739379 and 2MASX J16183236-3723459 at $1.1b$ and $1.3b$, respectively, is a fourth galaxy that is listed only in the 2MASS point source catalogue (Cutri et al. 2003), 2MASS J16182186-3730298, which is labeled a Young Stellar Object candidate by Spezzi et al. (2011); the images, however, show an early type galaxy between bright stars. We conclude that the strong signal at $4500 - 4700$ km s^{-1} appearing in all our spectra is the detection of Anon J161826.2-373604. As 2MASX J16183236-3723459 is the only one to show a high-velocity shoulder ($4700 - 4900$ km s^{-1}) in its spectrum, this is likely to be from this galaxy. Its optical velocity of 4718 ± 96 km s^{-1} (Huchra et al. 2012) agrees with this. Its H I parameters in Tables 1 and 7 are taken from this shoulder only and are uncertain since the low-velocity end of its profile is unknown.

2MASX J16463421-3903086: This galaxy was also detected in the blind Parkes H I survey by **?** as HIZOA J1646-39 at $1.0b$ from our target position but with a much higher flux ($F_{\rm HI}$=7.0 Jy km s^{-1} compared to our $F_{\rm HI}$=1.8 Jy km s^{-1}): the shape of their profile is lopsided with a prominent peak at 6400 km s^{-1} which does not appear in our profile. We conclude that their profile is confused and dominated by an LSB galaxy visible outside of the NRT beam.

2MASX J16490239-3642570: The published optical velocity of 30,028$\pm$119 km s^{-1} (Huchra et al. 2012) does not agree at all with our clear H I detection at 6385 km s^{-1}. However, with an extinction corrected K_s-band diameter of 71′ and K_s-band magnitude of $10\overset{\rm m}{.}55$ our relatively low velocity seems to be the more likely one.

2MASX J18002449-0401023: The profile is confused. There are four 2MASS galaxies in the area, one of which is not in our sample (2MASX J18001508-0359563 with $K^{\rm o} = 12\overset{\rm m}{.}3$, at a distance of $1.3b$ to the west of the target). The other two (2MASX J18003191-0400533 at $1.0b$ and 2MASX J18003399-0401443 at $1.4b$ to the east) we did not observe since they have H I detections in the literature. Paturel et al. (2003) observed 2MASX J18003191-0400533 at 4210 km s^{-1} with a confused profile similar to ours but with a fainter high-velocity shoulder. Their flux is 5.5 Jy km s^{-1} as compared to our 8.8 Jy km s^{-1} 2MASX J18003399-0401443 has been cross-matched with HIPASS J1800-03 (Meyer et al. 2004) in NED and the 2MRS catalogue, but the actual position of the HIPASS detection is (RA,Dec =$18^h00^m31\overset{s}{.}9$,-04°00′53″) at only $0.4b$ north-east of our target. Kraan-Korteweg et al. (in prep.) *** detected in their blind H I survey of the Galactic bulge area using Parkes a similarly confused profile at (RA,Dec = $18^h00^m17\overset{s}{.}9$,-03°59′41″; HIZOA J1800-03) with a higher flux of 11.8 Jy km s^{-1}. Their profile shows a peak at $\sim$ 4350 km s^{-1} which is more pronounced ($S_{\rm p}$= 50 mJy) than in our profile ($S_{\rm p}$= 30 mJy) or that of Paturel et al. ($S_{\rm p}$= 8 mJy).
After careful comparison of the different profiles we conclude that most of the HIZOA J1800-03 detection comes from 2MASX J18001508-0359563 which is $> 2b$ from 2MASX J18003191-0400533 that Paturel et al. observed. Our detection seems to be a confused profile of mainly the target (2MASX J18002449-0401023) and 2MASX J18003191-0400533 ($\sim 4100 - 4300$ km s^{-1}) with some contribution by 2MASX J18001508-0359563 at the high velocity end, which is more pronounced in our profile than in the one by Paturel et al. It is not possible to tell whether 2MASX J18003399-0401443 contributes to the profiles at all, but it is clear that it cannot be the main cross-match of HIPASS J1800-03.

2MASX J18073699-0850329: This is actually a detection of nearby Parkes source HIZOA J1807-08 (**?**) with a flux of 24.0 Jy km s^{-1} (compared to our 4.6 Jy km s^{-1}) and a reported visible counterpart at $1.2b$ from our pointing position (at RA,Dec = $18^h07^m35\overset{s}{.}5$,-08°37′40″).

2MASX J18513759-0859297: This is actually a detection of nearby Parkes source HIZOA J1851-09 (**?**) with an H I flux of 7.5 Jy km s^{-1} (compared to our 1.4 Jy km s^{-1}) and a reported visible counterpart at $1.7b$ distance from our pointing position (at RA,Dec = $18^h51^m27\overset{s}{.}4$,-09°10′47″).

2MASX J19502869+1822386 and J19505731+1822281: The 2MASX J19502869+1822386 observation shows two detections, neither of which is of the target The double-horned profile at $V_{\rm HI}$ = 3972 km s^{-1} clearly comes from 2MASXJ 19505731+1822281, a nearly edge-on medium-type spiral at a distance of $3.8b$ which we also observed directly and where we detected twice the flux observed towards the target. This nearby galaxy also accounts for the Arecibo H I detection reported by Lu et al. (1990) at $V_{\rm HI}$ = 3978 km s^{-1} and the Parkes HIPASS detection J1950+18b (Wong et al. 2006) with a flux of 17.6 Jy km s^{-1} which is almost twice our flux of 2MASX J19505731+1822281. The difference is likely due to the narrow NRT beam which does not cover the full H I disk. The narrow profile we see at $V_{\rm HI}$ = 4943 km s^{-1} was also detected by Martin et al. (1990) who also used the NRT to observe this target. Their flux ($F_{\rm HI}$= 1.82 Jy km s^{-1}) and profile shape are comparable to ours. There is another Parkes detection, HIPASS J1950+18a (Wong et al. 2006), at $1.6b$ distance with a higher flux of 9.2 Jy km s^{-1}. Both its distance and flux indicate that the detection is not from our target. No visible counterpart could be found.

2MASX J20084824+4339589 and J20085388+4338070: Their H I profiles are mutually confused. The two galaxies are $0.6b$ apart and the profile of 2MASX J20085388+4338070 clearly also shows the same two peaks observed towards 2MASX J20084824+4339589. The latter is the more inclined object. Both galaxies have optical velocities: 5031$\pm$63 km s^{-1} and 4916$\pm$13 km s^{-1}, respectively (Huchra et al. 2012). This is consistent with the low-velocity shoulder (at $V \sim 4700 - 4900$ km s^{-1}) coming from 2MASX J20085388+4338070 (where the flux density is also higher).

2MASX J20194861+4046363 and J20201209+4039396: The profile of 2MASX J20194861+4046363 seems to come entirely from 2MASX J20201209+4039396 which lies $2.5b$ to the east: their profiles are centred on 4229 and 4225 km s^{-1}, respectively, and the flux of 2MASX J20201209+4039396 is more than three times higher. We also find that the H I profiles of both objects show a barely resolved (W_{50}= 24 km s^{-1}, at 18 km s^{-1} resolution) non-RFI spike at 4470 km s^{-1}. The flux ration is similar to the broad profile which would argue that it could be emission connected with 2MASX J20201209+4039396. The angular separation between the two objects ($2.5b$) is large enough that in-beam confusion between them can be excluded. The observations were acquired over a period spanning 8 years and the narrow spike is detected in all observations.

2MASX J20440241+5043362: The classic double-horn shape of this triple-peaked profile, centred on $V_{\rm HI} \sim$ 3350 km s^{-1}, actually comes from nearby

2MASX J20435702+5032583 (also observed by us), at $1.0b$ distance to the south, whereas the fainter H I from the target galaxy appears at the low-velocity end ($V \sim 2900 - 3150\,\mathrm{km\,s^{-1}}$). This agrees also with the target's optical velocity of $3113\pm24\,\mathrm{km\,s^{-1}}$ (Huchra et al. 2012). Masters et al. (2014) observed this galaxy with the GBT, which has a more than two times smaller beam width in the N-S direction than the NRT, and detected an unconfused profile at $\sim 2900 - 3300\,\mathrm{km\,s^{-1}}$. The H I parameters in Tables 1 and 7 are taken from the low-velocity shoulder only and are therefore uncertain.

2MASX J20540993+4608346: It is likely that this is actually an H I detection of a close-by LSB galaxy at $0.2b$ (RA,Dec = $20^h54^m07\overset{s}{.}9$,+46°09′32″). The narrow (W_{50}= 65 km s^{-1}), single peak profile and low H I mass ($\log(M_{\rm HI})$= 9.0) does not match the inclined-spiral aspect of the target.

2MASX J21060821+4500472 and J21061631+4503203: These two galaxies are $0.8b$ apart and both show confused profiles: The double horn profile obvious in the pointing of 2MASX J21061631+4503203 (at $V \sim 5150 - 5625\,\mathrm{km\,s^{-1}}$) appears also in the observation of 2MASX J21060821+4500472 but at a $\sim 25\%$ lower peak flux density level, while the high-velocity shoulder (up to $\sim 5750\,\mathrm{km\,s^{-1}}$) seems to come from 2MASX J21060821+4500472 proper.

2MASX J21132159+4945237 and 2MASX J21132528+4956168: Their profiles are mutually confused, and may also contain a detection of another galaxy. We observed both objects, which are separated by $0.9b$ and whose profiles cannot be disentangled. Neither has an optical velocity. There seem to be two (or more) H I detections in our spectrum of 2MASX J21132159+4945237. The low-velocity profile ($V \sim 5600 - 6050\,\mathrm{km\,s^{-1}}$) appears to come from the target since towards 2MASX J21132528+4956168 the peak flux density of the same profile is half of that observed towards 2MASX J21132159+4945237. It is not possible to tell whether all of the profile at $V > 6050\,\mathrm{km\,s^{-1}}$ or only parts thereof come from 2MASX J21132528+4956168, whether it may overlap with the former profile, and if a third galaxy (located at about equal distance between these two) may be involved. Note that nothing is visible on DSS and UKIDSS images though at the high extinction of $A_{\rm K} = 0\overset{\rm m}{.}75$ a hidden blue LSB galaxy cannot be excluded.

2MASX J21305323+4813559: This is actually an H I detection (at $V_{\rm HI}$ = 3780 km s^{-1} and $F_{\rm HI}$= 7.2 Jy km s^{-1}) of 2MASX J21310014+4814279 at $0.7b$ distance, which was also detected at the NRT by Paturel et al. (2003) at $V_{\rm HI} = 3791\,\mathrm{km\,s^{-1}}$ and $F_{\rm HI}$= 9.1 Jy km s^{-1}, and at the VLA by Henning (1992) at $V_{\rm HI} = 3778\,\mathrm{km\,s^{-1}}$ and $F_{\rm HI}$= 14.5 Jy km s^{-1}. We also observed this object (which is in our sample) and found $F_{\rm HI}$= 8.6 Jy km s^{-1}, which is comparable to the Paturel et al. measurement. Our target 2MASX J21305323+4813559 has an optical velocity of 3556 km s^{-1} (Seeberger & Saurer 1998) without a quoted uncertainty. We do not see any trace of a second detection in our spectrum.

2MASX J21512814+5316383: This is a marginal H I detection ($V_{\rm HI}$ = 4658 km s^{-1} and $F_{\rm HI}$= 2.3 Jy km s^{-1}) of a nearby galaxy, 2MASX J21514071+5326542 at $1.3b$ distance. At the VLA, Henning (1992) measured $V_{\rm HI}$ = 4715 km s^{-1}, W_{20}= 326 km s^{-1} and $F_{\rm HI}$= 12 Jy km s^{-1}, while at the NRT Martin et al. (1990) measured $V_{\rm HI}$ = 4700 km s^{-1}, W_{20}= 359 km s^{-1} and $F_{\rm HI}$= 6 Jy km s^{-1}. Though clearly we detected the same profile, ours is slightly wider at W_{20}= 486 km s^{-1}. It is not clear whether this is due to noise peaks (our peak flux density to rms ratio is only 5.0) or whether we detected a weak flux from the target 2MASX J21512814+5316383 proper. We therefore list this galaxy as not detected.

2MASX J22540054+6728086: Our central H I velocity of $4328\pm12\,\mathrm{km\,s^{-1}}$ is 439 km s^{-1} lower than the published optical velocity of 4767 km s^{-1} (Nakanishi et al. 1997), for which no uncertainty is given and which is listed as based on a private communication (Saunders et al. 1997): IRAS PSC Redshift Survey). No later published trace of this measurement could be found. On the other hand, 2MASX J22540054+6728086 was also detected in H I by Masters et al. (2014) with the GBT at $V_{\rm HI}$ = 4335 km s^{-1} and similar flux.

2MASX J21584706+5408535: This is actually a detection of a nearby ($0.6b$ distance) LSB galaxy at (RA,Dec = $21^h58^m40\overset{s}{.}0$,+54°12′05″, visible only on UKIDSS images) Schröder et al. (in prep.) detected it as EBHIS-ZoA source EZOA J2158+54 at Effelsberg with a flux of 4.9 Jy km s^{-1} and a slightly higher rms. Our detection has a larger W_{20} of 153 km s^{-1} (versus 94 km s^{-1} for EZOA J2158+54) due to a high-velocity shoulder which might come from 2MASX J21584706+5408535 proper.

Table A1: H I detections – observational data

2MASX J	Other name	K_{20}	J-K	H-K	d_{K20}	b/a	V_{50}	σ_V	W_{50}	W_{20}	$F_{\rm HI}$	σ_F	rms	S/N
		mag	mag	mag	$''$		$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm Jykm}{\rm s}$	$\frac{\rm Jykm}{\rm s}$	mJy	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
a) clear HI detections of 2MZOAG galaxies														
00141253+7036448^{v}	PGC 2737274	10.92	1.37	0.39	53	0.70	6958	8	396	430	9.08	1.09	5.66	13.4
00384223+6017130	ZOAG 121.35-02.54	10.94	1.20	0.31	51	0.74	4354	5	222	241	3.82	0.66	4.55	9.4
00475430+6807433^{a,v}	ZOAG 122.61+05.26	10.86	1.42	0.50	74	0.30	3763	5	341	368	10.62	0.98	5.51	17.4
01191829+6219297	ZOAG 126.16+00.37	10.67	1.67	0.52	62	0.22	4041	18	294	354	4.73	0.79	4.51	10.2
01203021+6525055	IRAS 01170+6509	9.96	1.43	0.45	80	0.54	4148	4	413	440	10.64	0.87	4.48	19.5
01261932+6046064	WEIN 013	10.15	1.43	0.48	64	0.60	5958	3	477	490	5.12	0.55	2.69	14.5
01273787+6308155	ZOAG 127.01+00.55	10.93	1.83	0.62	36	0.82	6223	40	95	294	3.65	0.56	3.50	17.8
01485859+6045514	IRAS 01455+6031	11.04	1.37	0.40	46	0.40	4391	11	266	311	5.73	0.77	4.70	12.5
01572719+6601408	IRAS 01536+6546	10.57	2.23	0.72	42	0.62	3905	17	224	292	2.62	0.48	3.03	9.6
02013241+6824219^{a,v}	IRAS 01575+6809	9.59	1.37	0.41	89	0.88	3771	3	77	102	2.20	0.25	2.67	15.7
02023124+6008000	*	11.32	1.51	0.55	53	0.58	4579	9	277	305	2.52	0.46	2.83	8.9
02084091+7102087^{a,v}	ZOAG G129.18+09.11	10.94	1.25	0.44	53	0.84	3306	2	165	184	8.17	0.71	5.60	18.9
02085980+7114029^{a}	ZOAG 129.14+09.30	11.16	*	*	64	1.00	2954	6	248	270	3.40	0.69	4.51	8.0
02101852+6300516	ZOAG 131.75+01.50	11.36	1.58	0.52	42	0.44	4306	18	187	248	2.71	0.48	3.28	10.1
02153787+6139179	*	11.60	1.81	0.44	37	0.46	6527	4	406	419	1.59	0.51	2.69	4.9
02235399+6337032	HFLLZOAG 132.99+02.56	10.97	1.59	0.46	38	0.70	3636	30	170	268	3.06	0.61	4.03	9.7
02243924+5926126	ZOAG 134.54-01.32	11.35	1.51	0.46	35	0.66	6746	5	437	452	3.35	0.59	2.98	9.0
02294695+6523350	ZOAG G132.95+04.45	10.72	1.21	0.36	54	0.48	6430	8	361	392	4.16	0.54	2.91	12.5
02322165+6454104	IRAS 02283+6440	11.37	1.49	0.47	42	0.38	5351	11	289	331	3.59	0.61	3.59	9.8
02332153+6009100	*	11.22	1.84	0.56	47	0.72	4558	9	249	279	3.46	0.70	4.53	8.1
02440181+7005273^{v}	IRAS 02395+6952	11.22	1.54	0.48	44	0.72	4136	5	203	227	4.75	0.62	4.43	12.5
02472414+6239425	ZOAG 135.81+02.73	10.18	1.35	0.42	82	0.30	5917	4	496	519	7.00	0.83	3.91	13.4
02531475+5528143^{a,c,v}	IRAS 02496+5516	10.68	1.60	0.54	64	0.40	4337	8	346	387	3.63	0.58	3.19	10.2
02531969+5529140^{a,c}	ZOAG 139.67-03.37	10.77	1.48	0.49	33	0.58	4462	54	121	419	4.53	0.60	3.14	21.9
02545129+5625144	ZOAG 139.43-02.44	11.67	1.50	0.50	27	0.64	4188	4	234	257	4.04	0.43	2.86	15.4
02545198+5812134	ZOAG 138.62+00.86	11.54	1.64	0.47	31	0.58	4166	19	113	205	2.28	0.33	2.50	14.3
02550583+6624065^{v}	IRAS 02508+6611	9.73	1.37	0.42	71	0.54	3487	9	381	427	6.76	0.69	3.57	16.2
02570346+5658488	*	11.44	1.52	0.43	34	0.50	3565	2	297	325	16.20	0.58	3.48	45.0
02592153+5736175	ZOAG 139.43-01.12	10.85	1.74	0.51	39	0.58	2177	4	286	312	6.50	0.66	4.02	15.9
03082803+5745174	ZOAG 140.41+00.39	10.70	1.74	0.53	58	0.42	2252	19	218	317	5.84	0.73	4.38	15.1
03111176+6105047$^{a,c?}$	*	11.46	1.49	0.48	41	0.64	2775	8	150	185	2.86	0.46	3.61	10.8
03124721+6231391	ZOAG 138.45+03.99	11.69	1.51	0.55	33	0.76	6321	13	219	260	3.31	0.58	3.90	9.6
03264399+5419084	ZOAG 144.40-01.95	11.80	1.58	0.54	39	0.28	4861	34	169	279	1.10	0.28	1.79	7.9
03285780+6656000^{v}	IRAS 03243+6645	11.12	1.37	0.41	35	0.74	5809	22	205	267	2.24	0.43	2.82	9.3
03290640+6458319^{v}	ZOAG 138.64+07.02	9.44	1.34	0.38	71	0.62	2464	4	416	446	10.53	0.81	4.11	20.9
03292042+6601389^{a,v}	IRAS 03248+6551	9.61	1.47	0.40	112	0.32	2113	7	349	372	4.17	0.53	2.96	12.6
03292877+5429573	*	11.48	1.91	0.61	42	0.44	5061	19	324	382	1.82	0.40	2.18	7.7
03331908+6609092^{v}	*	10.93	1.44	0.48	52	0.50	5597	5	377	404	10.20	0.91	4.86	18.0
03362290+5048356^{v}	IRAS 03326+5038	11.07	1.52	0.50	46	0.34	5052	7	338	381	7.60	0.65	3.57	19.3
03385418+6617499^{a,c,v}	HFLLZOAG 138.68+8.69	10.79	1.49	0.49	57	0.64	6043	33	250	393	4.86	0.59	3.22	15.9
03393937+6527116^{a,c,v}	HFLLZOAG 139.26+08.06	11.03	1.32	0.36	49	0.62	5173	12	341	394	7.49	0.80	4.32	15.7
03394709+6528486^{a,c,v}	HFLLZOAG 139.25+8.09	10.15	1.43	0.40	75	0.64	5196	19	270	358	7.06	1.04	5.93	12.1

Table A1: continued.

2MASX J	Other name	K_{20}	J-K	H-K	d_{K20}	b/a	V_{50}	σ_V	W_{50}	W_{20}	$F_{\rm HI}$	σ_F	rms	S/N
		mag	mag	mag	$''$		$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm Jykm}{\rm s}$	$\frac{\rm Jykm}{\rm s}$	mJy	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
03480684+4955450[a,c]	ZOAG149.65-03.56	11.11	1.67	0.64	31	0.74	9962	19	303	398	6.89	0.52	2.82	23.4
03480963+4955140[a,c,v]	IRAS 03444+4946	11.24	1.63	0.63	32	0.68	9991	42	233	453	4.19	0.46	2.30	19.9
03514420+5105033	ZOAG 149.37-02.29	10.54	1.95	0.61	60	0.46	4817	6	217	237	2.18	0.37	2.60	9.5
03543651+4910571	ZOAG 150.93-03.47	11.33	1.50	0.39	38	0.52	4163	4	282	301	3.42	0.53	3.30	10.3
04002219+3839233[a,e,c]	2MFGC 03279	10.50	1.47	0.49	58	0.26	6512	26	582	748	3.54	0.35	1.39	26.0
04075531+4549400	IRAS 04043+4541	11.22	1.26	0.34	53	0.48	4470	3	276	310	11.88	0.62	3.77	31.6
04095823+5450065	*	11.49	1.95	0.60	51	0.58	4365	4	152	181	4.73	0.35	2.76	23.2
04112872+5518091	*	11.81	1.52	0.60	27	0.44	4792	22	92	167	0.92	0.26	2.17	7.3
04115755+3838463[a,c,v]	2MFGC 03416	10.68	1.56	0.47	61	0.28	5768	15	505	593	5.26	0.45	1.97	19.8
04115864+3842213[a,c,v]	*	11.33	1.57	0.47	31	0.50	5762	15	516	597	4.91	0.52	2.29	15.7
04120068+3846073[a,c]	IRAS 04086+3838	10.31	1.71	0.55	59	0.58	5771	15	491	578	6.69	0.63	2.80	18.0
04121283+3842023[a,c]	*	11.02	1.79	0.50	45	0.82	5780	26	498	624	5.60	0.52	2.22	18.8
04124119+3843433[a,c?]	2MFGC 03424	10.53	1.89	0.59	70	0.22	6410	56	192	544	3.88	0.44	2.03	23.0
04131853+3819491[v]	*	11.32	1.73	0.52	36	0.64	6441	3	249	282	8.72	0.32	2.08	44.3
04151246+3840071[v]	PGC 2133335	11.34	1.54	0.62	37	0.72	5957	12	372	433	3.41	0.37	1.89	15.6
04191179+5552439	IRAS 04151+5545	10.35	1.39	0.43	59	0.70	5255	5	372	402	6.19	0.78	4.18	12.8
04204654+5237183	ZOAG G151.67+01.85	11.69	1.58	0.42	36	0.30	5638	23	203	270	2.48	0.38	2.48	11.7
04230274+3722007	*	11.31	1.56	0.41	62	0.36	5832	6	411	436	5.01	0.59	3.03	13.6
04241490+3725180[a]	PGC 2100373	11.70	1.52	0.50	31	0.54	6843	7	223	245	1.32	0.34	2.35	6.3
04244617+4244494	ZOAG 159.16-04.63	10.42	1.16	0.35	86	0.20	6007	4	505	518	3.33	0.55	2.61	9.5
04250287+4726453	IRAS 04213+4719	10.48	1.67	0.55	50	0.42	5661	3	140	191	7.99	0.34	2.61	43.1
04254161+4222276	ZOAG G159.54-04.77	11.32	1.31	0.53	39	0.66	5872	7	136	165	1.00	0.21	1.76	8.1
04263959+4700055	*	11.61	1.56	0.40	47	0.42	5630	17	346	395	1.83	0.47	2.56	6.4
04271586+5049248	*	10.97	1.67	0.45	59	0.86	4429	5	242	284	9.21	0.53	3.40	29.0
04283316+3625579	*	11.40	1.87	0.69	47	0.36	6812	9	409	464	7.70	0.57	2.86	22.2
04302392+5020090	IRAS 04266+5013	11.58	1.44	0.47	28	0.52	2330	8	83	114	1.10	0.28	2.77	7.3
04313523+4714048	2MFGC 03682	11.79	1.80	0.61	38	0.22	5812	21	372	448	4.72	0.69	3.50	11.7
04333811+4530061	WEIN 030	9.66	1.54	0.48	106	0.66	3852	15	306	377	6.84	0.69	3.81	17.1
04340516+4101321	ZOAG 161.61-04.56	11.30	1.24	0.32	34	0.66	6230	12	246	307	2.53	0.33	2.05	13.1
04341003+2556378[a,e]	*	11.59	1.62	0.51	26	0.56	7165	31	57	323	1.73	0.23	1.35	28.3
04345504+2642366[e]	2MFGC 03731	11.63	1.83	0.65	43	0.28	2247	1	255	273	8.16	0.38	2.45	34.8
04382270+4746546	*	11.80	1.68	0.49	36	0.50	6164	5	326	347	3.89	0.54	3.11	11.6
04390278+3532568[v]	IRAS 04357+3527	11.08	1.55	0.52	34	0.34	6413	12	161	215	1.85	0.28	2.07	11.7
04410782+5136224	ZOAG 154.55+03.43	11.50	1.58	0.52	34	0.60	5693	13	310	369	2.90	0.45	2.50	11.0
04464159+4943063	ZOAG 156.57+02.86	11.00	1.29	0.41	69	0.58	6586	5	342	365	2.53	0.44	2.45	9.3
04481997+3436502[a,v]	*	10.70	1.68	0.54	43	0.58	6125	6	76	107	1.40	0.25	2.60	10.3
04485356+3728102	ZOAG 166.19-04.74	11.09	1.25	0.34	42	0.84	6428	11	383	442	4.26	0.52	2.64	13.7
04514426+3856227	IRAS 04483+3851	10.56	1.43	0.42	77	0.28	3919	3	350	372	6.43	0.42	2.34	24.5
04534877+4218445[a,v]	WEIN 093	10.76	1.46	0.49	62	0.32	6860	13	331	410	4.61	0.37	1.96	21.6
04563494+3723521	ZOAG 167.21-03.60	11.55	1.45	0.51	39	0.30	6498	14	387	436	2.68	0.48	2.46	9.2
04574731+4607167	ZOAG 160.53+02.01	11.60	1.35	0.37	40	0.46	7199	9	370	408	4.27	0.56	2.98	12.4
05004115+4238061	WEIN 097	11.37	1.35	0.47	28	0.62	7090	33	361	481	2.42	0.38	1.85	11.5
05014040+4338109[a]	IRAS 04580+4333	10.71	1.44	0.40	75	0.24	7194	20	506	604	4.19	0.53	2.34	13.3
05043136+3731335	IRAS 05011+3727	10.66	1.38	0.47	57	0.52	6095	12	390	433	3.02	0.44	2.28	11.2

Table A1: continued.

2MASX J	Other name	K_{20}	J-K	H-K	d_{K20}	b/a	V_{50}	σ_V	W_{50}	W_{20}	$F_{\rm HI}$	σ_F	rms	S/N
		mag	mag	mag	$''$		$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm Jykm}{\rm s}$	$\frac{\rm Jykm}{\rm s}$	mJy	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
05095533+4436308	ZOAG 163.02+02.79	10.88	1.27	0.43	54	0.34	6102	6	406	459	7.87	0.44	2.23	29.2
05115386+4537142[v]	IRAS 05082+4533	10.63	1.32	0.42	51	0.44	6180	20	349	434	3.98	0.47	2.45	14.5
05200866+4314313[a]	ZOAG 165.21+03.49	10.67	1.11	0.29	35	0.92	3785	2	132	172	10.42	0.31	2.56	59.1
05221454+3826469	ZOAG 169.38+01.09	10.98	1.61	0.54	56	0.22	6176	40	340	467	1.46	0.23	1.16	11.4
05382465+3241509	*	11.46	1.31	0.42	39	0.76	8525	5	323	340	1.61	0.32	1.86	8.0
05515780+1807051[a]	ZOAG 190.04-04.31	11.28	1.42	0.48	35	0.56	5845	15	177	218	0.71	0.16	1.14	7.8
05540715+1759352	ZOAG 190.40-03.93	10.50	1.31	0.38	41	0.82	5725	1	42	67	6.56	0.21	2.70	62.5
05583187+2244210	PGC 1675291	10.96	1.67	0.59	42	0.54	2591	4	134	147	0.64	0.13	1.18	7.8
05583483+1754200[v]	IRAS 05556+1754	10.98	1.36	0.42	51	0.58	6092	16	123	204	2.14	0.30	2.24	14.4
05590035+1806455[a,c]	ZOAG 190.88-02.87	11.31	1.58	0.44	36	0.62	6050	5	268	289	2.45	0.39	2.45	10.2
05590393+1804285[a,c]	IRAS 05561+1804	10.90	1.71	0.62	32	0.70	6039	11	243	300	2.86	0.36	2.23	13.7
06023546+2201525[v]	IRAS 05595+2201	10.83	1.60	0.53	56	0.36	2609	33	109	272	2.51	0.38	2.46	16.3
06034588+1812362	*	11.85	2.02	0.66	32	0.38	6882	6	404	424	2.50	0.35	1.82	11.4
06074379+1608036[a,c]	*	11.76	1.75	0.39	29	0.68	5553	7	166	229	5.06	0.33	2.33	28.1
06110644+1551489	2MFGC 04983	10.66	1.76	0.54	74	0.24	5423	11	395	446	5.43	0.70	3.55	12.8
06171616+1655575[a,c?]	IRAS 06143+1657	10.95	1.49	0.43	33	0.76	5471	13	552	606	3.48	0.39	1.69	14.6
06200969+1650483	ZOAG 194.43+00.93	11.45	1.12	0.34	40	0.80	5202	3	189	210	2.28	0.23	1.68	16.5
06225815+1108312	HIZOA J0622+11B	11.15	1.56	0.57	53	0.44	5490	2	359	395	13.92	0.48	2.58	47.5
06284616+0149197	ZOAG 208.72-04.21	10.59	1.39	0.43	44	0.90	2880	3	159	171	0.94	0.22	1.79	6.9
06352675+0230578	*	11.11	1.87	0.55	35	0.84	6352	20	99	220	1.92	0.25	1.78	18.1
06353794+0022498	IRAS 06330+0025	10.86	1.60	0.51	30	0.50	6151	14	398	462	3.05	0.33	1.67	15.3
06354230+0226468	2MFGC 05268	10.78	1.90	0.61	60	0.26	6425	23	179	272	1.31	0.22	1.44	11.3
06354846+1115047[a,c]		11.16	1.36	0.35	51	0.44	3838	24	216	412	6.21	0.43	2.29	30.8
06405286+0948570	*	11.31	2.64	0.93	28	0.56	7485	29	410	505	3.43	0.46	2.20	12.8
06455492-1812493[a]	NGC 2283[a]	10.12	0.69	-0.03	83	1.00	840	1	182	202	72.16	0.46	3.49	255.4
06474744-0048518	*	11.18	1.34	0.43	44	0.94	4216	14	169	243	2.26	0.28	1.95	14.9
06503679-0352597	CGMW1-00413	11.69	1.74	0.46	43	0.22	6521	5	401	421	1.76	0.27	1.44	10.2
06535387-0337410	ZOAG 216.44-01.11	10.80	1.61	0.57	63	0.20	6559	9	493	525	2.15	0.29	1.37	11.8
06541984-1208232	CGMW1-00443	11.13	1.17	0.33	34	0.52	9844	5	461	489	4.00	0.43	2.09	14.9
06552670-0411095	CGMW1-00452	11.46	1.55	0.52	41	0.76	5459	7	265	292	1.73	0.29	1.80	9.8
06572149-0508597	IRAS 06548-0505	11.00	1.48	0.42	84	0.26	2568	1	267	301	15.85	0.32	1.98	81.7
06590153+0634579[a,v]	ZOAG 207.92+04.68	11.09	1.04	0.30	60	0.36	6360	4	363	390	2.99	0.30	1.62	16.2
07005613-1147344	CGMW1-00488	9.69	1.61	0.51	89	0.32	2737	2	424	451	14.37	0.48	2.41	48.3
07021533-0313467	CGMW1-00497	11.63	1.37	0.40	44	0.52	6683	3	386	411	4.60	0.41	2.18	17.9
07093459-0525404[v]	IRAS 07071-0520	10.10	1.14	0.33	79	0.58	1715	2	265	294	12.54	0.42	2.61	49.2
07165094-1852251	2MFGC 05793	11.20	1.88	0.60	96	0.12	2807	9	266	319	4.50	0.43	2.57	17.9
07245535-2430057[a]	CGMW2-00859	11.13	1.55	0.43	33	0.92	908	2	130	197	9.38	0.16	1.19	115.2
07304535-2823585	CGMW2-00945	10.80	0.80	0.25	74	0.64	8081	2	300	322	6.90	0.34	2.04	32.6
07344923-2404306	2MIG 0998	11.49	1.76	0.54	56	0.28	4471	19	333	439	3.03	0.33	1.69	16.4
07360443-2748552[v]	IRAS 07340-2742	11.43	1.44	0.40	36	0.48	7762	5	378	396	1.85	0.29	1.58	10.0
07380245-2710388	CGMW2-01045	10.02	1.50	0.42	55	0.78	7349	6	560	575	1.82	0.39	1.73	7.4
07385822-2855357[v]	IRAS 07369-2848	11.19	1.57	0.53	56	0.24	5003	7	345	377	2.96	0.36	1.99	13.4
07403156-2618279[a,v]	IRAS 07384-2611	11.22	1.29	0.45	41	0.38	3578	4	299	320	1.83	0.26	1.57	11.2
07413554-2544190	CGMW2-01114	11.10	1.35	0.44	32	0.78	7809	3	299	322	5.11	0.35	2.08	23.7

Table A1: continued.

2MASX J	Other name	K_{20}	J-K	H-K	d_{K20}	b/a	V_{50}	σ_V	W_{50}	W_{20}	$F_{\rm HI}$	σ_F	rms	S/N
		mag	mag	mag	$''$		$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm Jykm}{\rm s}$	$\frac{\rm Jykm}{\rm s}$	mJy	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
07414115-2231134	IRAS 07395-2224	9.49	1.60	0.56	108	0.24	3074	2	449	487	22.37	0.59	2.87	61.3
07414792-3028212^{v}	ESO 429-014	11.16	1.40	0.51	57	0.20	7482	5	391	419	6.90	0.59	3.11	18.7
07431472-2545501^{v}	IRAS 07411-2538	10.89	1.49	0.62	43	0.84	7074	2	312	348	9.69	0.45	2.60	35.2
07440237-2721456	ESO 493-006	11.25	1.33	0.47	42	0.74	7934	3	416	430	2.28	0.35	1.82	10.2
07483070-2532370^{a,v}	IRAS 07464-2525	9.98	1.33	0.42	72	0.52	4389	8	413	445	5.70	0.66	3.36	13.9
07492337-3542214	2MIG 1036	10.69	1.64	0.46	76	0.84	2861	1	47	69	12.25	0.25	3.22	92.5
07502465-3106347	2MFGC 06212	11.55	1.51	0.73	41	0.32	7104	20	351	434	2.44	0.31	1.59	13.7
07533288-2129485	ESO 560-019	10.74	1.17	0.38	54	0.36	7078	10	431	474	3.42	0.39	1.94	14.2
07545280-3318173^{v}	IRAS 07529-3310	11.07	1.50	0.44	45	0.60	2719	3	260	283	7.92	0.62	3.94	20.8
07561560-3656270	*	10.80	1.59	0.46	34	0.74	5428	25	185	279	2.34	0.41	2.65	10.8
08015503-3810213	*	11.57	1.50	0.52	31	0.70	8902	17	273	349	4.77	0.67	3.87	12.4
08080066-3558243	AM 0806-354	10.41	0.78	0.29	41	0.54	9922	28	329	475	9.01	1.00	4.92	16.8
08111394-3854530	*	11.23	1.61	0.47	28	0.82	5348	7	378	401	2.42	0.50	2.70	7.7
08213966-3903268	*	11.93	1.81	0.57	22	0.62	5176	24	168	262	2.16	0.41	2.71	10.3
08255863-3639240	IRAS 08240-3629	11.31	1.42	0.44	39	0.46	5357	18	327	436	8.66	0.80	4.13	19.3
16183236-3723459^{a,c,v}	PGC 623805	9.82	1.34	0.43	79	0.50	4797:	10	200:	200:	0.90:	0.34	2.59	4.1
16254669-3707583^{v}	2MIG 2248	11.11	1.62	0.48	38	0.36	4353	4	324	341	3.40	0.55	3.23	9.8
16463421-3903086^{a}	2MIG 2304	10.84	1.40	0.38	35	0.78	6455	4	224	239	1.80	0.42	2.89	6.9
16470867-3616459^{v}	IRAS 16437-3611	10.17	1.40	0.48	58	0.56	6326	19	397	481	4.21	0.46	2.27	15.5
16490239-3642570$^{a,v+}$	2MIG 2316	10.91	1.50	0.44	65	0.20	6385	7	474	504	3.20	0.43	2.05	12.0
16490503-3619500	*	11.55	*	0.39	36	0.44	3845	4	244	261	3.12	0.37	2.47	13.5
16500224-3712073	*	10.59	1.27	0.46	43	0.54	7911	7	227	269	5.17	0.58	3.78	15.1
16520999-3550026	PGC 3085727	10.66	1.34	0.45	44	0.58	6394	7	242	285	3.62	0.50	3.16	12.3
16532065-3532311	*	10.79	1.56	0.50	60	0.34	6159	4	344	367	6.19	0.71	4.01	13.9
16540803-3534375	HIZOA J1653-35	10.15	1.27	0.37	41	0.88	6334	17	125	228	4.70	0.60	4.24	16.5
17054244-3329451	2MIG 2339	10.36	1.26	0.43	51	0.50	6183	33	65	247	1.75	0.28	1.93	18.7
17172214-2650068^{v}	*	10.88	*	0.41	29	0.70	6198	25	214	363	2.98	0.32	1.80	18.9
17184154-2750144^{v}	OPH J171841-2750	10.39	*	*	42	0.66	6239	35	332	453	2.17	0.34	1.70	11.7
17363878-0637040^{e}	2MFGC 13942	11.55	1.84	0.59	45	0.32	7999	9	204	230	0.94	0.22	1.58	7.0
18002449-0401023^{a,c,v}	CGMW 3-1256	11.74	1.24	0.31	24	0.60	4275	12	197	323	8.79	0.46	2.73	38.2
18100236-0043306	*	10.93	1.36	0.50	45	0.50	7269	3	359	372	1.53	0.28	1.56	8.6
18243841+0149078^{v}	IRAS 18221+0147	10.15	1.42	0.41	73	0.42	2871	4	216	254	3.26	0.24	1.63	22.7
18333199-0001072	2MIG 2518	11.52	*	0.66	55	0.30	7055	18	382	433	2.53	0.41	2.14	10.1
18453085+0501425	2MIG 2551	11.50	1.48	0.47	39	0.32	6098	3	344	363	3.78	0.34	1.93	17.6
19194212+0721408	*	11.10	1.68	0.54	39	0.70	8209	8	266	306	3.12	0.35	2.13	15.0
19255928+2100385$^{c?}$	*	11.55	*	0.45	20	0.66	7559	10	293	371	3.95	0.30	1.67	23.0
19505731+1822281^{a}	IRAS 19487+1814	10.40	1.12	0.34	72	0.36	3973	3	295	325	9.15	0.60	3.58	24.8
19521116+3229039	2MIG 2705	10.94	1.55	0.58	39	0.52	8229	7	388	421	4.04	0.52	2.75	12.4
20084824+4339589^{a,c,v}	*	11.20	1.41	0.41	47	0.54	5035	32	252	424	2.70	0.31	1.61	17.6
20085388+4338070^{a,c,v}	*	10.86	1.48	0.48	40	0.68	4916	17	302	389	2.76	0.30	1.66	16.0
20125530+4310184	*	11.45	1.42	0.39	49	0.62	5046	7	253	285	2.43	0.33	2.09	12.2
20133996+3314015	*	11.41	*	0.63	44	0.64	7178	4	387	404	2.78	0.30	1.61	14.6
20135690+2902036	IRAS 20119+2852	10.91	1.61	0.53	54	0.66	4211	4	165	211	7.17	0.38	2.81	33.1
20170253+3150065	2MIG 2768	10.25	1.99	0.65	75	0.34	1235	4	278	312	11.71	0.53	3.22	36.4

Table A1: continued.

2MASX J	Other name	K_{20}	J-K	H-K	d_{K20}	b/a	V_{50}	σ_V	W_{50}	W_{20}	$F_{\rm HI}$	σ_F	rms	S/N
		mag	mag	mag	$''$		$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm Jykm}{\rm s}$	$\frac{\rm Jykm}{\rm s}$	mJy	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
20183871+4041003[v]	*	10.71	2.30	0.78	37	0.74	4324	10	262	307	7.61	0.88	5.42	14.5
20201209+4039396[a]	*	10.29	2.34	0.81	46	0.72	4221	13	185	274	7.05	0.70	4.54	19.0
20214907+4400399[v]	*	11.20	1.67	0.55	37	0.68	5085	3	168	186	3.53	0.39	3.07	14.8
20321211+3255568[c]	2MIG 2796	11.22	1.13	0.29	69	0.26	4156	4	302	403	14.83	0.43	2.30	61.8
20363702+4647294	2MFGC 15633	11.55	*	0.99	49	0.22	4584	5	259	277	2.27	0.49	3.17	7.4
20363825+4546254	IRAS 20349+4536	10.99	2.15	0.68	42	0.56	5197	6	330	352	2.24	0.39	2.24	9.2
20405419+4550412	2MFGC 15674	11.97	*	*	40	0.20	5141	5	304	331	3.61	0.39	2.28	15.1
20435702+5032583	PGC 2367135	10.57	1.43	0.44	64	0.48	3342	2	335	352	10.16	0.66	3.80	24.4
20440241+5043362[a,c,v]	PGC 5061342	10.64	1.56	0.45	65	0.34	3036:	8	130:	159:	1.06:	0.26	2.25	6.9
20441259+4940566	*	11.83	1.77	0.48	24	0.52	7712	9	389	434	4.37	0.44	2.26	16.3
20470471+4046165	*	11.95	1.68	0.45	34	0.52	9177	11	254	331	3.94	0.40	2.36	17.5
20501144+4516514	*	11.34	*	0.92	34	0.88	4601	2	131	156	8.12	0.47	4.03	29.3
20525943+5311105	*	11.62	1.69	0.53	34	0.46	3110	12	124	161	1.06	0.25	2.11	7.5
20571736+4738373	*	9.95	1.31	0.44	56	0.60	3357	5	186	207	3.30	0.50	3.75	10.8
20572285+4808542	2MIG 2848	10.42	1.86	0.59	82	0.32	5690	9	387	427	4.51	0.62	3.25	11.8
20581676+4615252	*	11.87	*	0.55	36	0.50	5230	13	303	342	3.71	0.64	3.72	9.6
20590227+4251273	*	11.08	1.99	0.57	53	0.44	3980	5	348	367	1.75	0.37	2.05	7.6
21012083+4624515	*	11.73	1.87	0.51	29	0.52	3510	6	205	262	9.59	0.58	3.83	29.2
21060821+4500472[a,c]	ZOAG 086.88-01.51	10.53	1.52	0.45	48	0.52	5421	20	473	582	6.25	0.69	3.08	15.6
21061631+4503203[a,c]	*	10.26	1.26	0.36	50	0.78	5402	27	433	621	11.18	0.72	3.10	28.9
21063587+4923012	*	11.93	1.54	0.39	40	0.38	7274	22	302	398	4.22	0.55	2.98	13.6
21064188+4525375	*	11.57	1.61	0.52	31	0.58	5177	5	287	315	4.22	0.48	2.90	14.3
21064324+4741525	IRAS 21050+4729	10.89	1.81	0.59	30	0.80	3575	29	74	168	1.22	0.30	2.53	9.3
21095816+5437431	2MIG 2879	11.75	1.73	0.66	33	0.48	6166	4	408	423	4.11	0.52	2.73	12.4
21104814+4341173	*	10.82	1.29	0.38	41	0.90	4310	5	120	149	3.31	0.46	4.07	12.4
21123923+4556037	2MFGC 16066	11.22	1.71	0.61	72	0.22	3491	5	292	319	5.00	0.70	4.23	11.5
21132159+4945237[a]	*	11.66	2.10	0.65	37	0.50	5813	7	372	414	4.70	0.41	2.16	18.8
21132528+4956168[a,c]	*	11.95	*	0.84	31	0.54	5952	7	620	642	5.04	0.71	3.00	11.3
21155335+4726430[d]	*	11.63	1.66	0.62	32	0.48	7878	8	401	429	2.79	0.38	1.68	11.7
21172770+4646547	*	11.77	1.51	0.45	18	0.82	5436	12	190	240	1.84	0.26	1.83	12.2
21183139+5431287	2MFGC 16138	10.49	1.90	0.66	59	0.34	6086	16	463	518	6.63	0.87	4.09	12.6
21185980+4401180	*	11.56	1.25	0.41	44	0.64	4100	5	134	166	3.70	0.42	3.47	15.4
21195557+4922432	*	11.59	2.39	0.81	37	0.34	5903	18	240	314	3.25	0.40	2.40	14.6
21205780+4828155	*	11.99	*	0.76	28	0.72	7682	7	276	299	1.89	0.31	1.93	9.8
21241922+4953140	*	11.63	1.49	0.60	50	0.64	6073	6	360	400	3.99	0.44	2.34	15.0
21273041+4525157	*	11.02	1.18	0.28	56	0.66	5308	5	159	179	2.72	0.51	4.12	8.7
21281311+5311131	*	11.68	1.72	0.58	44	0.36	6083	6	176	206	4.19	0.56	4.19	12.6
21304063+5531209	*	11.79	*	0.86	52	1.00	7244	14	423	475	3.22	0.41	2.04	12.8
21310014+4814279	IRAS 21292+4801	9.74	1.40	0.45	85	0.90	3782	2	231	250	8.60	0.69	4.70	20.1
21554534+5228186	ZOAG G097.92-01.65	11.48	1.28	0.45	44	0.80	6104	6	213	253	4.10	0.39	2.64	17.7
22202196+5447486	WEIN 007	11.00	1.42	0.40	62	0.50	6666	6	401	416	0.91	0.31	1.62	4.7
22352646+6048150	*	10.84	1.72	0.59	36	0.66	3590	13	240	307	3.98	0.50	3.06	14.0
22540054+6728086[a,v]	IRAS 22522+6712	10.62	1.62	0.53	64	0.36	4328	12	144	188	1.62	0.31	2.43	9.3
22555131+5622305	2MIG 3105	11.01	1.34	0.34	59	0.54	6683	14	151	201	1.09	0.26	1.97	7.5

Table A1: continued.

2MASX J	Other name	K_{20}	J-K	H-K	d_{K20}	b/a	V_{50}	σ_V	W_{50}	W_{20}	$F_{\rm HI}$	σ_F	rms	S/N
		mag	mag	mag	$''$		$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm Jykm}{\rm s}$	$\frac{\rm Jykm}{\rm s}$	mJy	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
23103197+6739390^{v}	IRAS 23085+6723	9.39	1.59	0.47	71	0.69	1508	8	216	246	2.28	0.55	3.75	6.9
23553308+6014324	*	11.71	1.20	0.48	35	0.64	4656	9	293	355	10.16	0.69	3.93	25.2
b) marginal HI detections of 2MZOAG galaxies														
00265906+6049388^{a}	ZOAG 119.96-01.90	11.53	1.47	0.45	31	0.76	7101	8	368	389	1.17	0.31	1.69	6.0
01230734+6049177	WEIN 012	10.85	1.19	0.31	51	0.44	5821	28	400	475	3.25	0.59	2.89	9.4
01281012+6313517^{a}	*	10.30	1.62	0.49	78	0.34	6040	6	154	170	1.31	0.37	3.08	5.7
01330236+6404589	*	11.63	2.06	0.72	25	0.54	4002	38	250	374	2.85	0.55	3.05	9.9
02072277+5931285	ZOAG 132.44-01.94	11.54	1.33	0.44	50	0.54	4542	33	135	227	1.17	0.34	2.44	6.9
05012594+4526430	ZOAG 161.45+02.10	11.18	1.46	0.44	38	0.50	6270	10	275	304	1.08	0.22	1.33	8.2
05295184+3835341	ZOAG 170.10+02.41	11.32	1.60	0.55	25	0.92	6958	17	162	215	0.63	0.18	1.34	6.2
08142154-3819354	2MIG 1100	9.68	1.66	0.53	82	0.56	2805	10	452	486	3.61	0.60	2.92	9.7
08243293-3637484	*	11.15	1.38	0.47	46	0.40	5573	10	178	212	1.41	0.34	2.54	6.9
21022141+6804366^{e,d}	*	12.43	2.07	0.70	21	0.36	3806	10	459	485	3.39	0.59	2.50	9.1
c) clear HI detections of other galaxies														
(0253216+553602)^{s,a,c}	*	*	*	*	*	*	4351	17	361	424	4.98	0.79	4.13	10.6
(0319587+664959)^{s,a}	HIJASS J0319+66	*	*	*	*	*	2995	2	175	195	11.28	0.59	4.51	31.5
04580771+3533503^{s,a}	ZOAG 168.84-04.49	11.93	1.34	0.40	37	0.56	6274	16	301	366	5.96	0.71	4.00	14.3
(0724484-242441)^{s,a}	*	*	*	*	*	*	4654	10	272	311	3.14	0.45	2.73	11.6
15394772-3454550^{s,a,e,v}	ESO 388- G?005	11.50	1.17	0.34	29	0.66	4929	4	180	209	4.91	0.37	2.75	22.2
(1618262-373604)^{s,a}	*	*	*	*	*	*	4589	10	152	203	5.59	0.67	5.06	14.9
d) marginal HI detections of other galaxies														
03390698+6620429^{s,a,c}	*	12.59	1.21	0.39	39	0.40	6050	27	297	404	5.06	0.83	4.42	11.1
04481569+3435012^{s,a,c}	*	13.03	1.52	0.37	21	0.64	6120	98	88	449	2.59	0.64	3.24	14.2
(0658452+063640)^{s,a}	*	*	*	*	*	*	6092	6	299	313	0.66	0.20	1.19	5.3

Table A2: HI detections of non-targets in the telescope beam

Target - 2MASX J	Detected object	dist 0.5 HPBW	V_{50} km s	σ_V km s	W_{50} km s	W_{20} km s	$F_{\rm HI}$ Jykm s	σ_F Jykm s	rms mJy	S/N
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
a) non-targets: clear HI detections										
01474890+6305128^{a,n,v}	EZOA J0147+63	2.4	4243	16	189	248	1.74	0.36	2.44	8.7
02085980+7114029^{a,n}	2MASX J02084091+7102087	1.1	3304	7	171	209	4.47	0.61	4.51	12.6
02531475+5528143^{a,n,c,v}	Anon J025321.6+553602	1.3	3832	3	47	86	3.33	0.28	3.19	25.4
02531969+5529140^{a,n}	Anon J025321.6+553602	1.0	3824	2	63	97	4.92	0.29	3.14	32.9
(0253216+553602)^{s,a,n}	Anon J025321.6+553602	1.1	3826	5	60	113	4.26	0.41	4.13	22.2
03202205+6645055^{a,n,v}	Anon J031958.7+664959	1.3	2993	3	175	197	4.20	0.36	2.78	19.0
03403139+6649043^{a,n,v}	2MASX J03400768+6642470	1.4	1574	2	106	165	21.60	0.36	2.98	117.3
04114143+3841285^{a,n,v}	2MASX J04113202+3846565	1.1	5698	20	102	191	1.34	0.24	1.87	11.8
04580945+3523013^{a,n}	2MASX J04580771+3533503	0.9	6277	36	307	427	2.55	0.40	2.06	11.8
05583605+4031118^{a,n,v}	2MASX J05583132+4031028	0.5	7661	36	207	330	3.03	0.65	3.87	9.1
05585447+1759445^{a,n,c}	2MASX J05590035+1806455	1.0	5974	39	121	299	1.55	0.30	1.86	12.6
	/2MASX J05590393+1804285	1.5								
06074754+1604526^{a,n,c,d}	2MASX J06074379+1608036	0.4	5549	6	153	190	3.84	0.39	2.43	17.0
	/Anon J0607345+160603	1.7								
06100449+2029063^{a,n,d}	*		4521	3	27	44	1.19	0.32	3.64	7.4
(0724484-242441)^{s,a,n}	2MASX J07245535-2430057	1.0	923	8	155	212	4.71	0.42	3.11	20.3
07245535-2430057^{a,n}	Anon J072448.4-242441	1.0	4638	7	295	337	2.01	0.22	1.26	15.5
07483252-2516431^{a,n}	2MASX J07483452-2513191	0.4	6811	5	355	388	5.09	0.49	2.67	16.9
07545229-2756453^{a,n}	2MASX J07551240-2809554	2.7	1572	9	40	84	0.73	0.19	2.21	8.7
08191136-3833104^{a,n}	HIZOA J0818-38	2.1	2960	24	55	177	2.05	0.41	3.35	13.8
15400064-3451570^{a,e,n,v}	2MASX J15394772-3454550	1.5	4872	29	78	294	3.37	0.42	2.65	24.0
(16182186-3730298)^{s,a,n}	2MASS J16182186-3730298		4592	3	138	159	3.26	0.39	3.30	14.0
16182851-3739379^{a,n}	Anon J1618262-373604	0.4	4589	7	159	192	3.02	0.44	3.44	11.6
18073699-0850329^{a,n}	HIZOA J1807-08	1.2	3506	10	122	222	4.63	0.35	2.50	28.0
18513759-0859297^{a,n}	HIZOA J1851-09	1.7	5508	7	65	107	1.42	0.22	2.24	13.1
19502869+1822386^{a,n}	2MASX J19505731+1822281	3.8	3972	10	338	411	4.36	0.29	1.56	25.3
	HIPASS J1950+18a	1.6	4943	16	42	152	1.16	0.20	1.71	17.5
20540993+4608346^{a,n}	Anon J205407.9+460932	0.2	5024	11	65	101	0.78	0.23	2.41	6.7
21305323+4813559^{a,n,v}	2MASX J21310014+4814279	0.6	3780	3	229	259	7.17	0.45	2.99	26.4
21584706+5408535^{a,n}	EZOA J1258+54		1028	12	85	153	3.69	0.59	5.13	13.0
b) non-targets: marginal HI detections										
03482002+4955207^{a,n}	ZOAG G149.67-03.54	0.9	10053	11	482	513	3.58	0.59	2.78	9.8
04124692+3835153^{a,n}	2MASX J04124119+3843433	0.9	6415	23	230	299	2.02	0.45	2.79	8.0
04240288+3731070^{a,n,v}	2MASX J04241490+3725180	1.4	6767	19	117	166	0.45	0.17	1.44	4.8
04242347+3724490^{a,n,v}	2MASX J04241490+3725180	1.0	6843	6	253	269	0.90	0.26	1.69	5.6
20194861+4046363^{a,n}	2MASX J20201209+4039396	2.6	4236	17	237	301	1.85	0.42	2.63	7.6
21512814+5316383^{a,n}	2MASX J21514071+5326542	1.3	4658	42	349	486	2.30	0.42	2.06	10.0

Table A3: Comparison with literature HI detections

2MASX J	V_{50}	W_{50}	W_{20}	$F_{\rm HI}$	V_{50}	W_{50}	W_{20}	$F_{\rm HI}$	Tel	Ref.
	——— Nançay ———				——— literature ———					
	$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm Jykm}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm Jykm}{\rm s}$		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
clear HI detections										
00384223+6017130	4354	222	241	3.82	4355	219	228	*	VLA	H92
01191829+6219297	4041	294	354	4.73	4050	306	316	7.05	NRT	P03
02550583+6624065^{v}	3487	381	427	6.76	3456	374	390	12.31	JBO	L03
(0319587+664959)^{s,a}	2995	175	195	11.28	3005	185	200	16.03	JBO	L03
03290640+6458319^{v}	2464	416	446	10.53	2456	411	453	13.18	JBO	L03
03292042+6601389^{a,v}	2113	349	372	4.17	2111	358	379	4.33	GBT	M14
03480963+4955140^{a,c,v}	9991	233	453	4.19	9968	351	366	2.37	NRT	P03
04075531+4549400	4470	276	310	11.88	4470	287	320	11.48	NRT	P03
04120068+3846073^{a,c}	5771	491	578	6.69	5741	591	*	12.04	GBT	C09
04191179+5552439	5255	372	402	6.19	5213	383	412	10.76	EFF	H87
04514426+3856227	3919	350	372	6.43	3913	356	377	7.11	NRT	P03
05014040+4338109^{a}	7194	506	604	4.19	7160	530	582	3.47	91m	S05
					7181	579	*	6.03	91m	H88
					5161	51	125	1.29	EFF	H87
05115386+4537142^{v}	6180	349	434	3.98	6195	357	381	*	NRT	P03
05221454+3826469	6176	340	467	1.46	6285	626	*	3.24	GBT	C09
06023546+2201525	2609	109	272	2.51	2599	138	152	2.8	ARE	H10
06225815+1108312	5490	359	395	13.92	5493	366	409	19.05	PKS	D05
					5544	252	336	7.45	ARE	R00
06455492-1812493^{a}	840	182	202	72.16	841	183	207	119.2	PKS	M04
					822	177	194	100.8	EFF	H86
06572149-0508597	2568	267	301	15.85	2580	286	329	25.7	PKS	S16
06590153+0634579^{a,v}	6360	363	390	2.99	6360	384	*	3.84	ARE	P97
07005613-1147344	2737	424	451	14.37	2737	420	*	22.49	PKS	D05
					2744	420	443	22.49	PKS	M04
					2744	410	429	18.5	PKS	S16
07021533-0313467	6683	386	411	4.60	6685	402	417	5.2	PKS	S16
07093459-0525404^{v}	1715	265	294	12.54	1716	278	307	18.03	NRT	P03
					1720	269	290	24.66	NRT	C99
					1721	265	305	20.14	PKS	M04
					1722	265	*	20.14	PKS	D05
					1725	267	297	20.32	PKS	H00
					1719	248	273	14.4	PKS	S16
07165094-1852251	2807	266	319	4.50	2807	253	264	5.4	PKS	S16
07304535-2823585	8081	300	322	6.90	8078	321	345	8.02	ARE	M04
					8084	302	324	9.3	PKS	S16
07413554-2544190	7809	299	322	5.11	7812	293	326	6.5	PKS	S16
07414115-2231134	3074	449	487	22.37	3058	460	*	38.73	PKS	D05
					3068	*	475	28.58	NRT	M90
					3073	451	472	29.65	PKS	H00
					3074	460	505	38.73	PKS	M04
					3076	449	475	37.33	NRT	C99
					3080	446	480	32.81	PKS	K04
					3073	452	489	35.7	PKS	S16
07414792-3028212^{v}	7482	391	419	6.90	7478	401	412	5.65	NRT	C99
					7495	376	392	6.55	EFF	K92
					7491	395	419	9.0	PKS	S16
07431472-2545501^{v}	7074	312	348	9.69	7075	316	334	12.8	PKS	S16
07492337-3542214	2861	47	69	12.25	2861	41	*	11.80	PKS	H00
					2864	50	*	14.86	PKS	M04
					2866	50	*	14.86	PKS	D05
					2865	43	64	15.00	PKS	K04
					2865	43	*	15.00	PKS	R02
					2862	39	61	15.7	PKS	S16
07545280-3318173^{v}	2719	260	283	7.92	2717	261	*	7.18	PKS	D05
					2722	264	279	7.59	NRT	C99
					2725	261	281	7.18	PKS	M04
					2720	252	265	6.5	PKS	S16
08080066-3558243	9922	329	475	9.01	9949	306	463	7.7	PKS	S16

Table A3: continued.

2MASX J	V_{50}	W_{50}	W_{20}	$F_{\rm HI}$	V_{50}	W_{50}	W_{20}	$F_{\rm HI}$	Tel	Ref.
	——— Nançay ———				——— literature ———					
	$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm Jykm}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm Jykm}{\rm s}$		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
08213966-3903268	5176	168	262	2.16	5148	174	231	3.8	PKS	S16
08255863-3639240	5357	327	436	8.66	5353	354	382	6.6	PKS	S16
16463421-3903086[a]	6455	224	239	1.80	6413	138	260	7.0	PKS	S16
16500224-3712073	7911	227	269	5.17	7917	245	271	4.9	PKS	S16
16540803-3534375	6334	125	228	4.70	6329	100	172	8.63	PKS	M04
					6336	100	*	8.63	PKS	D05
					6332	138	*	10.6	PKS	S16
18243841+0149078[v]	2871	216	254	3.26	2879	228	237	3.40	GBT	M14
19502869+1822386[a,n]	4943	42	152	1.16	4919	*	137	1.82	NRT	M90
19505731+1822281[a]	3973	295	325	9.15	3978	312	329	*	ARE	L90
					3979	311	*	17.54	PKS	W06
20440241+5043362[a,c,v]	3036:	130:	159:	1.06:	3103	294	318	2.78	GBT	M14
21310014+4814279	3782	231	250	8.60	3778	232	259	14.45	VLA	H92
					3791	241	274	9.12	NRT	P03
22540054+6728086[a,v]	4328	144	188	1.62	4335	172	*	2.00	GBT	M14
H I non-detections										
02121002+6144326[a]					5900	*	*	*	91m	K87
07003437-1020151[r]					9608	338	394	7.6	PKS	S16
20401346+5059165[v]					2783	563	574	5.49	NRT	P03
22131198+6153077					3839	263	329	2.77	EFF	S94

References:

C99 Chamaraux et al. (1999), C09 Courtois et al. (2009), D05 Doyle et al. (2005), H87 Hauschildt (1987), H88 Haynes et al. (1988), H92 Henning (1992), H00 Henning et al. (2000), H10 Henning et al. (2010), H86 Huchtmeier & Richter (1986), K87 Kerr & Henning (1987), K92 Kraan-Korteweg & Huchtmeier (1992), K04 **?**, L90 Lu et al. (1990), L03 Lang et al. (2003), M90 Martin et al. (1990), M04 Meyer et al. (2004), M14 Masters et al. (2014), P97 Pantoja et al. (1997), P03 Paturel et al. (2003), R00 Rosenberg & Schneider (2000), R02 Ryan-Weber et al. (2002), S94 Seeberger, Huchtmeier & Weinberger (1994), S05 Springob et al. (2005), S16 **?**, W06 Wong et al. (2006).

Table A4: Optical velocities in the literature

2MASX J	Δv-flag	$V_{\rm opt}$ $\frac{\rm km}{\rm s}$	σ_v $\frac{\rm km}{\rm s}$	Ref.
(1)	(2)	(3)	(4)	(5)
00141253+7036448		6973	43	H12
00253292+6821442		3598		M08
		3729	54	H12
00475430+6807433[a]	*	1273	65	H12
01311294+6735115		10345	46	H12
01474890+6305128[a]		4211	58	H12
01582742+6744421[v+]		31270	44	H12
02013241+6824219[a]	*	4554	55	F95
02021798+6721240		3762	25	H12
02034762+6843532[r]		9321	18	H12
02035883+6737172		3683	40	H12
02055021+6749477		3763	54	H12
02061555+6823324		10210	47	H12
02084091+7102087[a]		3380	50	N97
02173999+6701444		7446	57	H12
02341102+6700106		6338	92	H12
02343179+6755266		4154	46	H12
02353356+6656497		6640	18	H12
02361585+6845014		4192	27	S92
02403604+5854138		10235	40	H12
02421337+6723309		3509	34	H12
02440181+7005273		4179	18	H12
02491146+6628401		3637	69	H12
02531475+5528143[a,c]		4467	300	L99
02550583+6624065		3544	34	S92
03022154+6855070		6593	66	H12
03040456+6716077[v+]		50028	77	H12
03104409+6106477		2350		H95
03121951+6758295		6074	40	H12
03130062+6752475		6569	32	H12
03135317+6232589		3050	50	H95
03181353+6649422		3010	71	H12
03202205+6645055[a]		2737	68	H12
03210915+6655186		2383	32	H12
03212339+6654460		2137	21	H12
03214230+6649371		2516	39	H12
03231132+6548189		5820	72	H12
03285780+6656000		5790	22	H12
03290640+6458319		2448	47	H12
03292042+6601389[a]	*	2182	14	H12
03331908+6609092		5390	93	H12
03362290+5048356		5009		N97
03363871+6306096		5509	47	H12
03374715+6542199		5596	57	H12
03380124+6642455		5883	67	H12
03381210+6642567		5613	91	H12
03385418+6617499[a,c]		6055	71	H12
03393937+6527116[a,c]		5177	37	H12
03394709+6528486[a,c]		5222	70	H12
03403139+6649043[a]		5008	52	H12
03480963+4955140[a,c,r]	*	9684		N97
04002709+3854173[a,e]		6134	58	H12
04050668+4028583[v+]		11557	51	H12
04060596+4020487[v+]		10891	61	H12
04104442+3957368[v+]		10789	51	H12
04110830+3837269		5716	52	H12
04113162+3914215[v+]		10923	59	H12
04114143+3841285[a]		6438	63	H12
04115755+3838463[a,c]	*	7008	58	H12
04115864+3842213[a,c]	*	6535	69	H12
04122913+3838553		6511	66	H12

Table A4: continued.

2MASX J	Δv-flag	$V_{\rm opt}$ $\frac{\rm km}{\rm s}$	σ_v $\frac{\rm km}{\rm s}$	Ref.
(1)	(2)	(3)	(4)	(5)
04131853+3819491		6482	22	H12
04151246+3840071		5907	54	H12
04164549+3925359		5814	42	H12
04173955+3745411		6872	16	H12
04182123+3801358^{v+}		14540		H91
04210637+3704473		5741	55	H12
04211472+3710123		6040	43	H12
04222946+3707012		5876	43	H12
04233241+3748200		6108	37	H12
04235285+3704119		6438	42	H12
04240288+3731070^{a}		5969	70	H12
04240626+3647510		5849	42	H12
04242347+3724490^{a}		6259	47	H12
04253229+3739096		6149	50	H12
04263635+3813072		5872	50	H12
04273027+3750036		5641	58	H12
04390278+3532568		6411	39	H12
04424005+3541451		6144	30	H12
04445716+3231058^{v+}		10464	18	H12
04461266+3725188		6309	62	H12
04464394+3435108		6357	35	H12
04471937+4417021		5293	50	T94
04475541+3428204		6314	30	H12
04481997+3436502^{a}	*	6453	72	H12
04520479+4932446^{r}		8694		M98
04525281+5204476^{v+}		32677		S85
04525545+5156396^{r}		9107	42	H12
04525591+3438448^{v+}		14953	98	H12
04534877+4218445^{a}	*	7793		T94
04553812+5218515^{r}		9857	27	H12
04574727+4146237^{r}		8964	250	L99
04584955+5133076^{r}		9374	47	H12
05115386+4537142		6037		T94
05221961+2150424^{v+}		16206	54	H12
05431777+3138489^{v+}		31072	61	H12
05583483+1754200		6099		T94
05583605+4031118^{a}		7599	25	M96
06023546+2201525		2593	50	T94
06053254+2941454^{r}		9047	41	H12
06315346-0930076^{r}		9822	54	H12
06590153+0634579^{a}		6387	33	H12
07093459-0525404		1774	50	T94
07324220-1354035		1315	40	V96
		4243	50	T94
07360443-2748552		7866		C08
07385822-2855357		4995	10	S00
07403156-2618279^{a}	*	2969		C08
07414792-3028212		7402		Y93
07431472-2545501	*	6895		P09
07483070-2532370^{a}	*	3975:	20	Y94
07484838-2449451		4425		C08
07545280-3318173		2724		Y93
08005067-3155465^{v+}		10883	70	V96
08471978-3320011^{v+}		11478	40	H12
15394772-3454550^{s,a,e}		4718	100	D91
15400064-3451570^{a,e}		4850	15	H12
16160007-3730193		4711	39	H12
16163174-3826308		7157	81	H12
16183236-3723459^{a,c}		4718	96	H12
16254669-3707583		4422	99	H12
16344705-3909459		6853	39	F95
16414252-3619588		3894	99	H12

Table A4: continued.

2MASX J	Δv-flag	$V_{\rm opt}$ $\frac{\rm km}{\rm s}$	σ_v $\frac{\rm km}{\rm s}$	Ref.
(1)	(2)	(3)	(4)	(5)
16434955-3705384		6799	101	H12
16470867-3616459	*	6528	70	V96
16490239-3642570$^{a,v+}$	*	30,028	119	H12
16512573-3307205		7151	48	H12
16522835-3303135		8364	41	H12
17000638-3152265^{v+}		22103	89	H12
17123572-2548136		6243	59	H12
17144212-2550472		6081	56	H12
17163319-0314237$^{e,v+}$		31372	75	H12
17165337-2647470		7965	59	H12
17172214-2650068		6194	52	H12
17173605-2413026		8056	55	J09
17184154-2750144		6270	50	D90
17194814-2528040		8159	83	H12
18002449-0401023^{a,c}		4268	15	H12
18015264-0425326^{v+}		13138	14	H12
18034864-0816478^{v+}		11716	92	H12
18131758-0113069		7233	65	H12
18131810-0041379^{v+}		13578	24	H12
18243841+0149078		2845	56	S92
18251151+0201241		2992	29	H12
18261102+0058105^{r}		9744	57	H12
18263588+0221130^{r}		9747	20	H12
18365910+0343369^{r}		10024	62	H12
20084824+4339589^{a,c}		5031	63	H12
20085388+4338070^{a,c}		4916	13	H12
20135618+4443093		7773	4	H12
20183871+4041003		4317		G08
20214907+4400399		5096		R11
20321954+4951445		7622	62	H12
20394281+3211363^{v+}		25149	25	H12
20401346+5059165		3028	58	H12
20403052+5054257		3258	69	H12
20412222+5054235		4596	62	H12
20440241+5043362^{a,c}	*	3113	24	H12
20494713+5206261^{v+}		45346	68	H12
20520777+5224130		3160	22	H12
20564755+5441095		6395	67	H12
21085630+4451164		1650		H95
21121597+4531167		700		H95
21305323+4813559^{a}		3556		S98
21355399+4728217		7495		K11
21362763+5936230^{v+}		12021	59	H12
21375000+5929172^{v+}		12054	65	H12
22234144+5140563^{v+}		11489		N97
22540054+6728086^{a}	*	4767		N97
23103197+6739390		1478	30	S92

References:

B09 Beckmann et al. (2009), C08 Crook et al. (2008), D90 Djorgovski et al. (1990), D91 Dressler (1991), F95 Fisher et al. (1995), G08 Goncalves et al. (2008), H12 Huchra et al. (2012), H91 Hewitt & Burbidge (1991), H95 Huchra, Geller & Corwin (1995), J09 Jones et al. (2009a), K11 Koss et al. (2011), L99 Lawrence et al. (1999), M96 Marzke, Huchra & Geller (1996), M98 Motch et al. (1998), N97 Nakanishi et al. (1997), P09 Parisi et al. (2009), R11 Ricci et al. (2011), S85 Spinrad et al. (1985), S92 Strauss et al. (1992), S98 Seeberger & Saurer (1998), S00 Saunders et al. (2000), T94 Takata et al. (1994), V96 Visvanathan & Yamada (1996), Y93 Yamada et al. (1993), Y94 Yamada et al. (1994).

Table A5: HI non-detections – observational data

2MASX J	Other name	l	b	K_{20}	A_K	$K_{\rm s}^{\rm o,d}$	$(J-K_{\rm s})^{\rm o,d}$	$(H-K_{\rm s})^{\rm o,d}$	rms
		deg	deg	mag	mag	mag	mag	mag	mJy
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
00161976+7025219	*	119.97	7.75	11.33	0.32	10.95	0.54	0.17	3.54
00223972+6139447	*	119.52	-1.02	11.49	0.54	10.77	0.89	0.23	2.84
00253292+6821442^{v}	ZOAG G120.54+05.61	120.54	5.61	10.05	0.32	9.67	0.92	0.25	3.31
00281959+6447011	*	120.47	2.02	11.84	1.01	10.52	0.51	0.16	3.52
00303425+6444585^{d}	*	120.71	1.97	11.82	0.54	11.14	1.05	0.24	2.31
00314802+6227440	*	120.66	-0.32	11.88	0.61	11.08	*	*	3.07
00321813+6029565	ZOAG G120.58-02.29	120.58	-2.29	11.38	0.25	11.09	0.92	0.23	2.53
00343086+6257451	ZOAG G121.01+00.15	121.01	0.15	11.23	0.45	10.67	0.65	0.12	2.11
00343656+6310260	*	121.04	0.36	11.53	0.47	10.95	0.91	0.19	2.93
00360888+6319171	*	121.22	0.50	11.37	0.42	10.86	1.36	0.49	2.20
00402126+6732350	ZOAG G121.88+04.69	121.87	4.69	11.51	0.45	10.95	0.88	0.28	2.96
00402382+6428443	*	121.74	1.63	11.54	0.57	10.83	1.27	0.52	3.57
00450852+6549280	*	122.29	2.96	11.82	0.50	11.19	1.11	0.29	3.87
00501956+6702517	ZOAG G122.83+04.18	122.82	4.18	10.64	0.44	10.13	1.01	0.26	3.24
00532380+6128104	ZOAG G123.17-01.40	123.17	-1.40	11.61	0.32	11.23	1.02	0.34	2.56
00553400+6551452	*	123.36	2.99	12.52	1.36	10.61	-0.29	-0.09	2.63
01010569+5804266	*	124.21	-4.77	10.34	0.15	10.16	0.60	0.10	2.92
01013460+6715038	ZOAG G123.92+04.40	123.92	4.40	11.26	0.40	10.78	0.97	0.25	2.92
01021854+6708091^{d}	IRAS 00590+6652	123.99	4.29	11.33	0.40	10.83	0.95	*	2.05
01135448+6440014	*	125.33	1.90	10.47	0.48	9.90	0.93	0.29	2.95
01281886+6302138^{a,d}	ZOAG G127.10+00.47	127.10	0.46	10.06	0.45	9.54	1.09	0.42	2.95
01311294+6735115^{v}	ZOAG G126.72+05.01	126.72	5.01	11.52	0.32	11.12	1.03	0.29	3.18
01312331+6019128^{d}	ZOAG G127.87-02.17	127.86	-2.17	11.36	0.17	11.17	0.88	0.21	1.28
01312488+6450068	ZOAG G127.17+02.29	127.17	2.29	11.51	0.40	11.01	1.18	0.33	2.96
01343229+6641235	*	127.19	4.18	10.69	0.36	10.26	0.85	0.29	2.98
01345732+6628216	ZOAG G127.26+03.97	127.26	3.97	11.03	0.37	10.59	1.01	0.34	3.15
01472075+6207593	*	129.41	-0.03	11.22	0.55	10.54	1.06	0.25	3.26
01474890+6305128^{a,n,v}		129.26	0.91	11.38	0.41	9.35	1.04	0.33	2.44
01575530+5726037	V Zw 153	131.81	-4.29	10.20	0.13	10.06	0.96	0.28	2.55
01582742+6744421$^{d,v+}$	ZOAG G129.23+05.70	129.23	5.70	11.62	0.40	11.12	0.93	0.25	2.09
02002296+6531178	ZOAG G130.00+03.60	130.00	3.60	11.18	0.26	10.86	0.97	0.28	2.67
02021798+6721240^{v}	IRAS 01584+6706	129.69	5.42	10.82	0.51	10.20	0.90	0.24	3.16
02034595+6650152	IRAS 01599+6636	129.97	4.96	11.53	0.48	10.94	1.12	0.33	2.94
02034762+6843532^{d,v}	ZOAG G129.44+06.78	129.45	6.78	11.27	0.32	10.89	0.95	0.20	3.58
02035883+6737172^{d,v}	ZOAG G129.77+05.72	129.77	5.72	11.59	0.36	11.14	0.82	0.21	2.48
02055021+6749477^{v}	ZOAG G129.88+05.97	129.88	5.97	9.67	0.35	9.27	0.84	0.15	3.04
02061555+6823324^{v}	ZOAG G129.76+06.52	129.76	6.52	11.18	0.34	10.77	0.94	0.28	2.81
02063421+5855125	ZOAG G132.52-02.55	132.51	-2.55	10.40	0.24	10.13	0.89	0.28	2.85
02082184+6640353	ZOAG G130.46+04.93	130.45	4.94	11.50	0.37	11.06	*	*	2.97
02084861+6228485	ZOAG G131.74+00.94	131.74	0.94	11.60	0.36	11.17	1.00	0.24	3.14
02103987+6304565	*	131.76	1.58	11.13	0.39	10.67	1.28	0.41	3.05
02121002+6144326^{a}	ZOAG G132.34+00.35	132.33	0.35	11.50	0.47	10.92	1.03	0.32	2.40
02132797+6316450	ZOAG G132.00+01.86	132.00	1.86	10.64	0.33	10.26	1.15	0.25	3.26
02163334+5039016	UGC 01745	136.44	-9.98	11.09	0.05	11.04	1.03	*	1.90
02173999+6701444^{d,v}	ZOAG G131.22+05.55	131.22	5.56	11.65	0.39	11.18	0.96	0.25	2.34
02174785+6911364^{d}	HFLLZOAG 130.51+7.60	130.51	7.60	11.55	0.26	11.22	0.94	*	2.35
02220408+6500169	ZOAG G132.33+03.80	132.32	3.80	11.40	0.36	10.97	1.03	0.37	2.50
02240808+6458272^{d}	ZOAG G132.54+03.85	132.54	3.85	11.12	0.36	10.70	0.95	0.26	2.24
02245812+6214020	*	133.59	1.31	12.77	2.06	9.73	-0.54	-0.17	5.46
02293092+6148180^{d}	*	134.24	1.11	11.48	0.45	10.94	1.13	0.31	2.13
02324853+6418145^{d}	ZOAG G133.65+03.56	133.65	3.56	10.91	0.30	10.55	0.99	0.28	2.17
02341102+6700106^{v}	ZOAG G132.75+06.11	132.74	6.11	10.63	0.40	10.16	0.96	0.22	3.59
02343179+6755266^{v}	ZOAG G132.42+06.97	132.41	6.97	10.26	0.34	9.87	0.96	0.23	3.69
02353356+6656497^{v}	ZOAG G132.89+06.11	132.88	6.11	11.39	0.35	10.93	1.02	0.29	3.37
02361585+6845014^{d,v}	IRAS 02319+6832	132.23	7.79	11.32	0.35	10.89	0.95	0.26	2.22
02370546+5936210^{d}	ZOAG G135.56-00.34	135.94	-0.57	11.12	0.32	10.76	1.13	0.32	1.51
02403604+5854138^{v}	ZOAG G136.64-01.03	136.63	-1.03	11.32	0.32	10.95	1.02	0.34	3.33
02421337+6723309^{v}	ZOAG G133.30+06.78	133.30	6.78	10.37	0.36	9.95	0.86	0.21	2.64
02422242+6213323	ZOAG G135.47+02.09	135.47	2.08	11.45	0.16	11.26	1.15	0.41	3.01
02442271+5507524	ZOAG G138.67-04.25	138.67	-4.25	11.21	0.19	11.00	1.11	0.31	1.89
02455702+5522336^{d}	ZOAG G138.77-03.94	138.77	-3.94	11.40	0.24	11.11	1.09	0.38	1.49
02471213+5528163	ZOAG G138.89-03.77	138.89	-3.77	11.43	0.24	11.14	1.06	0.34	2.88

Table A5: continued.

2MASX J	Other name	l	b	K_{20}	A_K	$K_s^{o,d}$	$(J-K_s)^{o,d}$	$(H-K_s)^{o,d}$	rms
		deg	deg	mag	mag	mag	mag	mag	mJy
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
02473993+5804489	ZOAG G137.82-01.39	137.82	-1.39	11.34	0.37	10.90	1.07	0.34	2.81
02475005+5832219	ZOAG G137.65-00.97	137.64	-0.97	11.13	0.38	10.66	0.97	0.25	3.30
02483731+6300467	ZOAG G135.78+03.10	135.78	3.10	11.07	0.32	10.69	0.99	0.34	2.46
02484584+6020478[d]	*	136.96	0.71	12.45	1.09	10.95	0.59	0.35	1.97
02491146+6628401[v]	ZOAG G134.32+06.24	134.31	6.24	9.89	0.34	9.49	0.82	0.23	3.45
02495036+6304092	ZOAG G135.88+03.21	135.88	3.21	11.00	0.27	10.68	1.06	0.33	3.29
02504965+5616424	*	138.99	-2.83	11.46	0.39	10.96	1.20	0.52	2.93
02531484+5732583[d]	ZOAG G138.72-01.54	138.72	-1.54	10.89	0.41	10.38	1.01	0.37	1.71
02545182+5720004	ZOAG G139.02-01.63	139.01	-1.63	11.46	0.42	10.95	0.94	0.30	3.03
02573053+5825188	*	138.82	-0.51	11.80	0.47	11.22	1.41	0.53	2.85
02585431+5950161	ZOAG G138.33+00.83	138.32	0.83	10.97	0.27	10.66	0.94	0.23	2.80
02590152+5318199	ZOAG G141.41-04.92	141.41	-4.93	11.49	0.23	11.21	1.03	0.26	2.05
03022154+6855070[v]	2MIG 0367	134.29	8.99	11.23	0.37	10.78	0.93	0.28	3.17
03040456+6716077[v+]	ZOAG G135.25+07.62	135.24	7.62	11.35	0.43	10.84	0.88	0.28	2.29
03070158+5315165	ZOAG G142.48-04.39	142.48	-4.39	11.10	0.26	10.81	1.06	0.31	2.35
03071054+5517545	ZOAG G141.48-02.61	141.48	-2.61	9.32	0.46	8.81	0.98	0.27	2.37
03073914+5645235	*	140.81	-1.31	12.33	1.17	10.74	0.75	0.26	2.75
03095889+5647073	*	141.08	-1.13	12.45	2.29	9.36	-1.06	-0.49	3.02
03095915+5707553	*	140.90	-0.83	12.25	1.29	10.58	0.54	0.21	3.21
03101644+5656203	*	141.03	-0.97	12.42	1.51	10.38	0.15	-0.09	3.05
03102931+5646173	*	141.14	-1.10	12.70	1.57	10.44	-0.10	0.03	3.26
03104409+6106477[a,v]	ZOAG G138.96+02.65	138.96	2.66	8.08	0.39	7.65	0.97	0.29	2.73
03113572+6241207	ZOAG G138.24+04.06	138.25	4.06	11.45	0.38	10.97	1.03	0.37	2.43
03121951+6758295[v]	ZOAG G135.57+08.63	135.57	8.63	11.34	0.31	10.97	0.90	0.28	3.81
03124522+5213583	ZOAG G143.75-04.83	143.75	-4.83	11.23	0.23	10.97	0.99	0.31	3.15
03130062+6752475[v]	ZOAG G135.68+08.58	135.67	8.58	11.31	0.31	10.93	1.15	0.43	3.36
03132009+6224130	*	138.56	3.92	10.97	0.46	10.41	0.87	0.23	2.94
03135317+6232589[v]	ZOAG G138.54+04.08	138.54	4.08	8.73	0.38	8.32	0.98	0.25	3.08
03161119+6242593	ZOAG G138.68+04.36	138.68	4.36	11.56	0.32	11.13	0.89	0.18	2.90
03162208+5215460	ZOAG G144.21-04.52	144.21	-4.52	11.39	0.28	11.06	1.02	0.34	2.97
03181353+6649422[d,v]	ZOAG G136.67+07.96	136.67	7.96	9.38	0.32	9.02	0.89	0.22	1.59
03185163+5754376	*	141.51	0.46	12.05	0.78	10.95	1.02	0.36	1.99
03192996+5755423	*	141.58	0.52	11.61	0.80	10.62	0.27	0.10	2.58
03202205+6645055[a,n,v]	*	136.89	8.01	10.45	0.32	10.08	0.84	0.19	2.78
03210915+6655186[v]	ZOAG G136.87+08.19	136.86	8.19	8.67	0.34	8.30	0.86	0.19	3.25
03212339+6654460[v]	ZOAG G136.89+08.19	136.88	8.20	10.85	0.34	10.44	0.86	0.26	2.74
03214230+6649371[v]	ZOAG G136.96+08.14	136.96	8.14	10.10	0.34	9.72	0.85	0.21	3.25
03221550+5752157	*	141.92	0.67	12.01	0.85	10.89	1.16	0.45	3.15
03231132+6548189[v]	ZOAG G137.66+07.37	137.65	7.37	10.24	0.37	9.81	0.99	0.29	3.31
03235035+6102426	*	140.35	3.44	11.32	0.47	10.75	1.25	0.38	2.65
03244319+5811161	*	142.01	1.11	12.24	0.83	11.12	1.45	0.49	2.85
03245871+5310146	ZOAG G144.82-03.05	144.82	-3.05	11.63	0.38	11.13	1.20	0.45	3.05
03251590+5624122	*	143.06	-0.33	11.94	0.77	10.89	1.13	0.29	3.23
03273938+5221060	ZOAG G145.62-03.50	145.61	-3.50	10.78	0.33	10.41	0.80	0.21	2.45
03302327+6110135	ZOAG G140.93+03.98	140.93	3.98	9.39	0.30	9.05	1.06	0.29	2.55
03312960+6541405	*	138.42	7.76	11.61	0.33	11.21	1.11	0.35	2.72
03313677+5148312	ZOAG G146.43-03.61	146.42	-3.61	11.62	0.32	11.24	1.03	0.31	2.75
03334905+5201071	ZOAG G146.59-03.24	146.58	-3.24	11.28	0.36	10.86	0.97	0.27	2.24
03345483+5349073	*	145.67	-1.68	11.85	0.54	11.15	1.13	0.35	2.06
03360608+5416062	ZOAG G145.55-01.21	145.54	-1.21	11.40	0.60	10.66	0.82	0.34	3.12
03362571+5132236	ZOAG G147.19-03.39	147.19	-3.39	10.84	0.46	10.30	0.94	0.24	3.05
03363315+6240256	ZOAG G147.19-03.39	140.65	5.63	11.75	0.42	11.23	0.81	0.16	3.48
03363871+6306096[v]	ZOAG G140.41+05.98	140.40	5.98	10.66	0.39	10.20	0.80	0.15	3.05
03364414+5248386	ZOAG G146.48-02.33	146.48	-2.34	10.68	0.49	10.09	0.91	0.29	2.79
03373489+5412366	2MFGC 02994	145.75	-1.13	11.88	0.63	11.02	0.92	0.24	2.08
03373616+5052062	ZOAG G147.74-03.82	147.73	-3.82	11.09	0.41	10.60	1.00	0.32	3.23
03373823+5106002	ZOAG G147.60-03.63	147.60	-3.63	11.46	0.39	10.98	0.97	0.32	2.56
03374463+5502466	ZOAG G145.29-00.44	145.28	-0.44	11.35	0.66	10.54	0.90	0.28	3.08
03374624+5357452	*	145.92	-1.31	11.67	0.58	10.93	1.07	0.33	2.12
03374715+6542199[d,v]	HFLLZOA G138.95+08.15	138.95	8.15	11.29	0.34	10.90	1.00	0.26	1.81
03380124+6642455[v]	HFLLZOA G138.36+08.97	138.36	8.97	9.47	0.37	9.05	0.87	0.24	3.46
03381210+6642567[d,v]	HFLLZOA G138.37+08.98	138.37	8.98	9.47	0.37	9.06	0.97	0.24	2.23

Table A5: continued.

2MASX J	Other name	l	b	K_{20}	A_K	$K_{\rm s}^{\rm o,d}$	$(J-K_{\rm s})^{\rm o,d}$	$(H-K_{\rm s})^{\rm o,d}$	rms
		deg	deg	mag	mag	mag	mag	mag	mJy
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
03384742+5421089	*	145.81	-0.91	11.77	0.64	10.96	1.00	0.35	2.91
03393065+5449231	*	145.62	-0.47	12.05	0.73	11.10	1.08	0.27	2.76
03393055+5421369	*	145.89	-0.84	11.71	0.70	10.81	1.05	0.31	3.24
03395792+4940197	ZOAG G148.75-04.56	148.75	-4.56	11.20	0.24	10.92	1.03	0.27	2.32
03402748+3143150[e]	*	160.08	-18.70	11.05	0.58	10.33	1.27	0.36	2.61
03403139+6649043[a,n,v]	*	138.49	9.20	11.02	0.31	10.66	0.92	0.28	2.98
03433015+5825154	ZOAG G143.89+02.73	143.89	2.73	11.23	0.35	10.79	0.90	0.33	2.96
03441609+4919572	ZOAG G149.51-04.41	149.51	-4.41	11.38	0.27	11.08	1.00	0.32	2.45
03441729+5102202	ZOAG G148.47-03.05	148.47	-3.06	11.23	0.38	10.76	1.00	0.29	2.46
03450943+4921435	ZOAG G149.61-04.30	149.61	-4.30	10.96	0.28	10.63	0.87	0.21	2.14
03454256+5638563	ZOAG G145.21+01.51	145.21	1.51	11.72	0.44	11.18	1.04	0.32	2.85
03460488+5432382	*	146.54	-0.12	11.63	0.71	10.75	0.98	0.28	2.81
03462398+5430563	*	146.59	-0.11	10.41	0.68	9.57	0.85	0.23	3.25
03475375+5601049	ZOAG G145.83+01.20	145.83	1.20	11.43	0.50	10.82	0.85	0.25	2.75
03481049+5409119	2MFGC 03151	147.02	-0.24	11.93	0.68	11.03	1.13	0.46	1.89
03481767+5413029	*	147.00	-0.18	11.62	0.68	10.71	0.85	0.22	2.69
03482002+4955207[a]	ZOAG G149.67-03.54	149.67	-3.54	11.72	0.39	11.21	1.13	0.32	2.78
03492038+5029171	ZOAG G149.45-02.99	149.44	-3.00	11.47	0.44	10.94	0.90	0.21	3.01
03492373+4924181	ZOAG G150.13-03.84	150.13	-3.84	11.60	0.39	11.11	1.02	0.33	2.40
03541837+5249110	2MFGC 03234	148.57	-0.70	11.55	0.62	10.71	1.10	0.50	2.80
03551424+5231391	*	148.86	-0.84	11.73	0.52	11.07	0.93	0.37	2.82
03573082+4956387	ZOAG G150.80-02.58	150.80	-2.58	11.67	0.35	11.23	1.08	0.34	2.89
03573762+4917166	*	151.24	-3.07	11.24	0.39	10.79	0.60	0.17	1.57
03585689+4911167	ZOAG G151.47-03.01	151.47	-3.01	11.63	0.35	11.20	1.08	0.34	2.17
04002709+3854173[a,v,e]	IRAS 03571+3845	158.48	-10.59	9.80	0.32	9.45	–	–	2.14
04014132+5315002	ZOAG G149.14+00.35	149.14	0.35	11.41	0.71	10.55	0.73	0.15	2.30
04015541+4924171	ZOAG G151.70-02.53	151.69	-2.53	11.23	0.38	10.77	1.00	0.29	2.58
04020732+5241528	*	149.55	-0.03	11.68	0.52	11.03	1.12	0.24	3.05
04024870+5244088	*	149.60	0.07	11.36	0.52	10.72	1.18	0.36	2.43
04050668+4028583[v+]	*	158.08	-8.81	11.58	0.33	11.19	0.96	0.28	3.06
04055619+5023102	*	151.53	-1.37	11.67	0.48	11.09	1.11	0.42	2.24
04060596+4020487[v+]	*	158.32	-8.79	11.18	0.33	10.79	1.06	0.36	2.19
04093213+4922208	ZOAG G152.64-01.72	152.64	-1.73	10.26	0.53	9.65	0.87	0.22	2.58
04104442+3957368[v+]	*	159.24	-8.47	11.57	0.35	11.15	0.99	0.28	2.73
04110830+3837269[v]	*	160.23	-9.38	10.90	0.39	10.44	0.91	0.27	2.03
04111032+4710144	ZOAG G154.33-03.16	154.34	-3.16	11.29	0.34	10.87	0.98	0.34	2.19
04113162+3914215[v+]	PGC 2146068	159.85	-8.88	11.46	0.32	11.08	1.07	0.30	3.02
04114143+3841285[a,n,v]	*	160.26	-9.26	10.22	0.44	9.72	0.91	0.23	1.87
04122913+3838553[a,v]	*	160.40	-9.18	11.45	0.50	10.85	1.05	0.29	1.67
04124692+3835153[a,n]	*	160.49	-9.19	10.70	0.48	10.11	0.93	0.32	2.79
04133389+5041476	*	152.21	-0.32	11.26	0.50	10.65	1.24	0.40	2.19
04161779+5034094	ZOAG G152.61-00.11	152.61	-0.11	11.55	0.54	10.88	1.10	0.34	2.64
04164549+3925359[v]	PGC 2149594	160.46	-8.05	11.39	0.32	11.02	0.95	0.22	2.32
04170636+4910038	WEIN 024	153.68	-1.03	10.38	0.45	9.84	1.03	0.26	2.61
04173955+3745411[v]	IRAS 04143+3738	161.77	-9.10	11.09	0.51	10.42	0.88	0.33	3.23
04175296+4911337	WEIN 025	153.75	-0.92	11.35	0.48	10.77	1.11	0.39	2.44
04182123+3801358[d,v+]	3C 111	161.68	-8.82	11.65	0.51	11.04	1.44	0.68	4.19
04202281+4535327	*	156.58	-3.19	11.37	0.33	10.97	1.00	0.33	2.99
04210584+4830168	ZOAG G154.61-01.04	154.61	-1.04	10.71	0.52	10.09	1.16	0.38	2.98
04210637+3704473[v]	2MFGC 03527	162.75	-9.10	10.05	0.36	9.63	0.93	0.27	2.22
04211472+3710123[v]	PGC 2094403	162.70	-9.02	11.14	0.39	10.69	0.93	0.27	2.87
04220023+4302560	ZOAG G158.59-04.78	158.59	-4.78	11.46	0.22	11.19	1.20	0.46	2.16
04222946+3707012[v]	*	162.91	-8.88	11.44	0.42	10.94	0.94	0.21	3.01
04225185+4402328	ZOAG G157.99-03.97	157.99	-3.97	10.61	0.25	10.32	0.93	0.42	3.01
04230985+4410103	PGC 2238212	157.94	-3.85	11.49	0.26	11.19	0.88	0.26	2.43
04233241+3748200[v]	2MFGC 03564	162.56	-8.25	11.37	0.41	10.86	0.88	0.27	2.23
04233266+5010274	ZOAG G153.71+00.42	153.71	0.42	11.26	0.43	10.74	0.95	0.27	2.85
04235285+3704119[v]	*	163.14	-8.71	10.96	0.46	10.42	0.95	0.22	2.08
04240288+3731070[a,n,v]	*	162.84	-8.37	11.48	0.40	10.98	0.95	0.29	1.44
04240626+3647510[v]	PGC 2087177	163.37	-8.87	10.52	0.37	10.09	0.86	0.24	2.32
04242347+3724490[a,n,v]	*	162.96	-8.40	10.28	0.45	9.75	0.87	0.23	1.69
04251272+4453366	*	157.67	-3.08	11.23	0.35	10.83	1.05	0.32	3.09

Table A5: continued.

2MASX J	Other name	l	b	K_{20}	A_K	$K_s^{o,d}$	$(J-K_s)^{o,d}$	$(H-K_s)^{o,d}$	rms
		deg	deg	mag	mag	mag	mag	mag	mJy
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
04253229+3739096^v	2MFGC 03590	162.95	-8.07	10.99	0.38	10.54	0.89	0.21	2.85
04254171+4631366	ZOAG G156.56-01.88	156.56	-1.88	11.24	0.39	10.76	1.04	0.35	2.57
04254723+4408199	ZOAG G158.29-03.53	158.29	-3.53	11.40	0.22	11.14	1.00	0.34	3.11
04263635+3813072^v	PGC 2121057	162.68	-7.52	11.52	0.39	11.05	0.96	0.27	2.73
04264042+3810182	*	162.73	-7.55	10.94	0.41	10.45	1.53	0.46	2.37
04264449+3810182	2MFGC 03603	162.73	-7.54	10.87	0.41	10.37	1.49	0.46	1.77
04273027+3750036^v	PGC 2110717	163.09	-7.66	10.76	0.39	10.30	0.91	0.28	2.77
04273554+4647302	*	156.60	-1.46	9.97	0.50	9.38	0.95	0.29	2.25
04292626+4855120	ZOAG G155.28+00.24	155.27	0.24	10.87	0.50	10.28	0.92	0.30	2.18
04292839+3849211	PGC 2137370	162.63	-6.70	10.40	0.28	10.08	0.92	*	2.28
04293884+5125188	ZOAG G153.48+01.98	153.48	1.98	10.92	0.47	10.36	0.80	0.21	3.17
04295264+3521545	*	165.24	-9.00	12.67	3.11	8.38	-2.49	-0.78	2.29
04295532+4353088	PGC 2231503	158.99	-3.17	11.30	0.25	11.01	1.01	0.30	2.54
04300586+3522252	*	165.26	-8.96	12.86	3.60	7.77	-3.03	-0.98	3.10
04301103+4729248^d	*	156.40	-0.66	11.61	0.49	11.00	1.02	0.26	1.98
04303090+5312130	ZOAG G152.28+03.30	152.28	3.30	11.30	0.41	10.80	0.98	0.29	2.80
04304765+4131316	ZOAG G160.82-04.67	160.82	-4.67	11.36	0.19	11.14	0.90	0.24	1.94
04312427+4748209	*	156.31	-0.29	11.76	0.51	11.11	0.73	0.22	1.99
04312715+4752279	ZOAG G156.27+00.24	156.26	-0.24	11.77	0.51	11.14	1.04	0.30	2.15
04360363+4030314	ZOAG G162.24-04.63	162.24	-4.63	11.43	0.21	11.19	1.03	0.34	3.06
04361434+4500084	WEIN 032	158.93	-1.58	11.64	0.42	11.12	1.03	0.35	2.34
04363002+4426469	IRAS 04329+4420	159.38	-1.92	11.47	0.40	10.98	1.23	0.49	2.73
04383916+5154076	ZOAG G154.08+03.33	154.08	3.34	10.52	0.41	10.04	0.85	0.21	2.58
04390214+4608079	WEIN 031	158.42	-0.46	9.04	0.52	8.46	0.90	0.26	2.91
04393567+4436440	WEIN 034	159.62	-1.40	11.51	0.39	11.02	0.89	0.28	3.15
04400189+4540140	*	158.88	-0.64	10.73	0.51	10.11	1.02	0.27	2.79
04412856+4622171	*	158.52	0.01	11.52	0.53	10.85	0.99	0.22	2.13
04413675+4203562	*	161.77	-2.81	11.13	0.29	10.79	1.04	0.25	1.27
04414382+4433342	*	159.91	-1.15	11.34	0.39	10.87	0.83	0.28	2.36
04415187+5045599	ZOAG G155.26+02.96	155.26	2.96	10.75	0.34	10.35	1.08	0.29	2.32
04421071+5120222	*	154.86	3.37	11.65	0.40	11.17	1.10	0.37	2.59
04422924+5108582	ZOAG G155.03+03.29	155.04	3.29	11.59	0.33	11.20	1.00	0.26	2.50
04424005+3541451^v	CAP 0439+35b	166.74	-6.84	10.18	0.31	9.82	0.96	0.27	2.48
04424586+3848466	ZOAG G164.38-04.79	164.38	-4.79	10.93	0.21	10.68	1.01	0.34	2.68
04424681+4052046	ZOAG G162.82-03.44	162.82	-3.44	9.92	0.18	9.72	0.95	0.29	2.15
04425181+5101358	ZOAG G155.17+03.25	155.17	3.25	11.05	0.29	10.65	1.08	0.33	2.10
04425353+5114549	ZOAG G155.00+03.40	155.00	3.40	11.33	0.36	10.91	1.07	0.29	2.62
04430935+4425043	*	160.19	-1.05	11.30	0.38	10.85	1.02	0.30	2.33
04431593+3850025	ZOAG G164.42-04.70	164.42	-4.70	10.20	0.21	9.96	0.94	0.27	2.70
04431899+4032175	ZOAG G163.14-03.58	163.14	-3.58	11.43	0.17	11.23	1.22	0.48	1.73
04433407+4536452	2MFGC 03867	159.33	-0.21	11.53	0.47	10.96	0.91	0.22	1.46
04440562+3853161	ZOAG G164.49-04.54	164.49	-4.54	11.09	0.22	10.82	1.00	0.31	2.04
04441374+3911350	ZOAG G164.27-04.32	164.27	-4.32	10.57	0.22	10.32	0.92	0.26	2.53
04442990+4429146	*	160.29	-0.83	11.00	0.35	10.59	1.10	0.33	2.65
04445716+3231058^{v+}	*	169.49	-8.53	11.07	0.36	10.62	0.85	0.26	2.43
04445949+4533441	ZOAG G159.54-00.06	159.53	-0.06	10.94	0.49	10.36	0.99	0.31	2.31
04450255+3758177	ZOAG G165.31-05.00	165.31	-4.99	10.98	0.28	10.65	0.92	0.28	3.06
04453613+5059042	ZOAG G155.49+03.55	155.48	3.55	11.07	0.35	10.67	1.07	0.31	3.16
04461266+3725188^v	2MIG 0616	165.88	-5.17	10.63	0.33	10.24	1.08	0.33	2.55
04463939+4540516	*	159.63	0.24	11.29	0.45	10.76	0.92	0.30	2.54
04464394+3435108^v	CAP 0443+34	168.13	-6.92	11.20	0.42	10.69	0.81	0.17	1.86
04465712+4729304	ZOAG G158.29+01.45	158.29	1.45	11.52	0.34	11.10	1.04	0.30	2.28
04471937+4417021^v	ZOAG G160.77-00.57	160.77	-0.58	10.91	0.25	10.62	1.06	0.37	1.87
04472295+4013271	ZOAG G163.88-03.19	163.88	-3.19	11.36	0.18	11.15	1.03	0.30	1.88
04472421+4459281	ZOAG G160.24-00.11	160.24	-0.11	11.25	0.30	10.88	0.97	0.28	2.53
04473473+4529122	*	159.89	0.24	11.33	0.44	10.81	0.80	0.23	2.74
04475352+4432511	*	160.64	-0.33	11.52	0.30	11.16	0.94	0.21	2.58
04475541+3428204^v	*	168.38	-6.80	10.89	0.43	10.37	0.85	0.24	2.69
04482813+4952069	ZOAG G156.63+03.18	156.63	3.18	11.51	0.28	11.18	1.06	0.30	2.67
04484325+4452164^d	*	160.49	-0.01	10.91	0.30	10.57	1.00	0.29	1.27
04484660+4334294	*	161.48	-0.83	11.32	0.20	11.10	0.87	0.25	2.42
04490828+4455404^d	WEIN 048	160.49	0.09	9.24	0.32	8.87	0.97	0.28	1.59

Table A5: continued.

2MASX J	Other name	l	b	K_{20}	A_K	$K_{\rm s}^{\rm o,d}$	$(J-K_{\rm s})^{\rm o,d}$	$(H-K_{\rm s})^{\rm o,d}$	rms
		deg	deg	mag	mag	mag	mag	mag	mJy
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
04491793+4453124	*	160.54	0.08	11.25	0.32	10.86	0.62	0.17	2.05
04492256+3730389	PGC 2102497	166.22	-4.64	11.34	0.31	10.97	1.00	0.30	2.00
04493984+4409215	WEIN 073	161.14	-0.34	10.07	0.23	9.81	0.94	0.29	3.16
04494005+4511185	*	160.35	0.33	11.52	0.35	11.10	1.00	0.31	1.45
04494400+4911411	ZOAG G157.28+02.90	157.28	2.90	11.48	0.26	11.16	1.12	0.35	2.83
04501168+4506057	*	160.48	0.34	11.24	0.37	10.80	1.05	0.30	1.99
04501843+4541517	*	160.03	0.74	11.28	0.42	10.77	0.97	0.29	3.12
04502798+4434077	WEIN 066	160.92	0.04	11.21	0.29	10.88	1.03	0.32	2.21
04503277+4454116	*	160.67	0.26	11.58	0.33	11.17	1.07	0.28	2.58
04504074+4503124	*	160.57	0.38	11.42	0.35	11.02	1.15	0.34	3.00
04504592+4506595	*	160.53	0.43	10.99	0.36	10.58	1.06	0.29	2.41
04504934+4457425	ZOAG G160.66+00.33	160.66	0.34	11.61	0.33	11.22	1.03	0.35	2.58
04505300+4508055	*	160.53	0.46	11.32	0.36	10.90	1.05	0.26	2.53
04510938+5128076	ZOAG G155.67+04.52	155.67	4.53	11.77	0.44	11.24	1.05	0.43	2.22
04511770+4512083	ZOAG G160.52+00.55	160.52	0.56	11.51	0.36	11.07	1.04	0.33	2.88
04512165+4517254	ZOAG G160.46+00.62	160.46	0.62	11.00	0.38	10.56	1.15	0.36	2.64
04512932+4518524	ZOAG G160.46+00.65	160.46	0.65	11.28	0.37	10.84	1.06	0.27	2.50
04515659+4458144	ZOAG G160.77+00.49	160.77	0.50	11.29	0.34	10.89	0.96	0.31	2.74
04520479+4932446^{r}	ZOAG G157.25+03.42	157.25	3.42	10.78	0.23	10.54	1.44	0.67	3.19
04521994+4515456	WEIN 053	160.59	0.73	10.83	0.33	10.45	0.94	0.27	3.27
04522577+4934396	ZOAG G157.27+03.48	157.26	3.48	11.37	0.22	11.11	0.88	0.28	2.78
04523133+4927346	ZOAG G157.37+03.42	157.37	3.42	11.41	0.23	11.13	1.03	0.34	2.52
04523985+5203046	ZOAG G155.37+05.07	155.37	5.08	11.70	0.40	11.20	0.85	0.28	3.07
04524568+4501058	WEIN 065	160.83	0.64	10.56	0.34	10.17	1.05	0.30	2.67
04524698+5135515	ZOAG G155.73+04.80	155.73	4.80	11.36	0.45	10.78	1.09	0.35	2.98
04525192+4441218	PGC 2249819	161.10	0.44	11.32	0.30	10.96	1.07	0.32	2.37
04525281+5204476^{v+}	3C 130	155.36	5.12	10.57	0.43	10.07	0.94	0.28	1.64
04525545+5156396^{d,r}	ZOAG G155.48+05.04	155.47	5.04	11.65	0.41	11.15	0.96	0.31	1.12
04525591+3438448^{v+}	PGC 2052380	168.90	-5.90	11.22	0.31	10.83	0.93	0.24	2.40
04532075+4603176	WEIN 038	160.09	1.37	11.15	0.32	10.78	0.84	0.24	2.58
04532441+4511276	*	160.77	0.84	11.22	0.35	10.81	0.95	0.35	2.54
04532674+4419006	WEIN 075	161.45	0.29	10.77	0.25	10.48	0.96	0.28	2.68
04532922+4152201	WEIN 095	163.35	-1.25	11.48	0.22	11.22	0.97	0.28	2.77
04533259+4532326	*	160.51	1.08	11.45	0.36	11.02	1.01	0.32	3.16
04534624+4507475	*	160.86	0.85	11.35	0.34	10.93	1.01	0.32	2.14
04541186+4127583	WEIN 103	163.75	-1.41	11.17	0.24	10.90	1.11	0.33	2.56
04541490+4503149	*	160.97	0.86	10.87	0.33	10.46	0.96	0.40	3.11
04542558+5203496	ZOAG G155.53+05.29	155.53	5.29	10.96	0.50	10.37	0.80	*	3.19
04544599+4620599	*	160.02	1.75	10.81	0.31	10.45	1.27	0.36	2.76
04550178+5159483	*	155.64	5.32	11.67	0.52	10.99	1.07	0.30	3.23
04550702+4559478	WEIN 042	160.33	1.58	10.91	0.31	10.55	0.96	0.24	2.39
04552286+4546214	ZOAG G160.54+01.47	160.53	1.47	10.93	0.31	10.56	1.23	0.42	2.52
04553812+5218515^{r}	PGC 2411916	155.45	5.60	11.53	0.32	11.15	0.95	0.26	2.73
04554245+4402134	WEIN 085	161.92	0.43	10.07	0.25	9.78	1.00	0.29	2.31
04554990+4533540	ZOAG G160.75+01.40	160.75	1.40	10.01	0.32	9.65	0.91	0.23	2.41
04562691+4555425	WEIN 052	160.53	1.71	10.21	0.32	9.82	1.06	0.30	2.44
04563241+4534186	ZOAG G160.82+01.50	160.82	1.50	10.41	0.34	10.01	1.00	0.27	2.36
04564373+4424037	WEIN 083	161.75	0.80	11.52	0.28	11.17	1.05	0.36	2.19
04565773+4426507	WEIN 082	161.74	0.86	11.05	0.28	10.71	1.06	0.32	3.22
04570846+4942147	IRAS 04533+4937	157.65	4.16	11.11	0.28	10.80	0.68	0.24	3.08
04571144+4420115	WEIN 084	161.85	0.82	11.45	0.27	11.13	1.00	0.24	3.13
04574655+4126307	WEIN 108	164.19	-0.90	11.39	0.26	11.09	1.04	0.37	2.91
04574727+4146237^{v}	WEIN 106	163.93	-0.69	11.20	0.23	10.93	1.21	0.37	2.69
04580654+4552108	WEIN 060	160.76	1.90	11.49	0.29	11.14	0.98	0.43	2.46
04580915+4208498	WEIN 102	163.68	-0.41	10.09	0.20	9.86	1.11	0.38	2.71
04580945+3523013^{a,n}	ZOAG G168.99-04.60	168.99	-4.60	11.08	0.28	10.75	1.20	0.36	2.06
04580946+5134192	PGC 2396287	156.27	5.44	11.57	0.42	11.05	0.91	0.24	3.15
04584955+5133076^{r}	PGC 2395947	156.35	5.51	11.01	0.33	10.61	0.97	0.24	2.77
04592576+4537059	ZOAG G161.10+01.93	161.10	1.93	10.37	0.31	10.00	0.95	0.30	2.54
04595512+4312240	WEIN 094	163.05	0.51	11.42	0.21	11.15	1.06	0.35	2.81
05003753+4231251	WEIN 101	163.66	0.19	10.36	0.19	10.15	1.05	0.29	2.38
05012183+3409111	*	170.37	-4.84	11.28	0.26	10.98	0.88	0.22	2.61

Table A5: continued.

2MASX J	Other name	l	b	K_{20}	A_K	$K_s^{o,d}$	$(J-K_s)^{o,d}$	$(H-K_s)^{o,d}$	rms
		deg	deg	mag	mag	mag	mag	mag	mJy
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
05015592+4419410	WEIN 088	162.39	1.48	11.24	0.56	10.55	0.89	0.23	1.96
05021216+4734599	ZOAG G159.83+03.51	159.84	3.51	10.75	0.22	10.50	1.03	0.32	2.93
05024020+3520357	ZOAG G169.59-03.90	169.59	-3.90	11.38	0.30	11.02	1.23	0.34	2.44
05031826+4357546	*	162.82	1.46	11.42	0.47	10.85	0.89	0.21	2.68
05032503+4749366	ZOAG G159.77+03.82	159.77	3.82	11.36	0.21	11.12	0.98	0.24	2.45
05055384+4121469	WEIN 114	165.18	0.26	11.40	0.17	11.20	1.10	0.30	2.39
05062450+3535105	ZOAG G169.85-03.15	169.85	-3.14	11.40	0.22	11.14	1.04	0.32	1.79
05063010+4512499	ZOAG G162.17+02.66	162.17	2.67	11.55	0.33	11.16	1.01	0.28	2.35
05063335+4417469	ZOAG G162.91+02.12	162.91	2.12	11.26	0.25	10.96	1.05	0.33	2.02
05072947+4723396	ZOAG G160.53+04.11	160.53	4.11	11.44	0.19	11.22	1.27	0.42	2.16
05115105+3131317	ZOAG G173.80-04.64	173.80	-4.64	10.86	0.21	10.63	0.93	0.27	1.35
05122582+4519525	ZOAG G162.70+03.57	162.70	3.57	10.78	0.19	10.56	1.00	0.24	2.33
05123258+4426135	*	163.44	3.07	11.26	0.22	11.01	1.01	0.31	2.49
05141860+4622066	ZOAG G162.04+04.44	162.05	4.45	10.73	0.22	10.47	0.95	0.21	1.90
05142584+3423225	*	171.79	-2.53	11.50	0.33	11.08	1.07	0.42	2.68
05154589+3413462	ZOAG G172.09-02.40	172.08	-2.40	10.57	0.34	10.17	1.10	0.36	2.24
05165475+3421093	*	172.12	-2.13	11.43	0.63	10.61	0.38	0.09	2.82
05165843+3403392	*	172.37	-2.29	10.79	0.25	10.51	1.14	0.35	2.07
05170274+3352532	*	172.52	-2.38	11.24	0.22	10.98	1.23	0.33	2.24
05174322+3442322	*	171.93	-1.79	11.47	0.25	11.18	1.28	0.48	1.92
05192943+3408562	ZOAG G172.60-01.82	172.60	-1.82	11.34	0.21	11.09	1.19	0.41	1.27
05215822+4058480	ZOAG G167.26+02.49	167.26	2.49	11.28	0.28	10.95	1.04	0.31	2.41
05221961+2150424^{v+}	PGC 1658447	183.15	-8.25	11.34	0.31	10.97	0.97	0.32	2.30
05240487+3205564	ZOAG G174.83-02.19	174.83	-2.19	11.20	0.35	10.76	1.00	0.27	2.98
05250816+3221028	ZOAG G174.75-01.86	174.75	-1.86	10.65	0.25	10.37	1.06	0.27	1.34
05252560+2443418	*	181.13	-6.06	11.61	0.39	11.12	1.09	0.25	1.62
05253779+3419073	*	173.17	-0.67	10.93	0.18	10.73	1.26	0.39	2.13
05281320+3116566	*	176.00	-1.91	11.59	0.34	11.17	0.98	0.28	1.87
05332905+3110137	*	176.71	-1.03	11.48	0.47	10.88	0.97	0.34	1.41
05372363+3604312	*	173.02	2.30	11.64	0.45	11.10	1.76	0.48	1.93
05385507+3337492	ZOAG G175.26+01.26	175.26	1.26	11.56	0.27	11.24	1.24	0.39	1.85
05393522+2841388	2MIG 0737	179.51	-1.25	11.24	0.48	10.63	1.06	0.35	2.43
05395434+2656147	*	181.04	-2.12	11.56	0.38	11.08	1.04	0.33	1.44
05402435+3311311	WEIN 135	175.79	1.29	10.93	0.25	10.64	1.11	0.35	2.15
05402818+3313361	WEIN 134	175.77	1.32	11.22	0.25	10.94	1.14	0.38	1.58
05405882+3159438	*	176.87	0.76	11.51	0.34	11.11	0.90	0.43	1.80
05411745+3440059	*	174.64	2.23	11.72	0.41	11.21	1.04	0.33	2.03
05411834+2249028	*	184.71	-4.03	11.05	0.47	10.49	1.27	0.44	2.40
05413586+2357039	ZOAG G183.77-03.38	183.78	-3.38	10.73	0.36	10.30	0.92	0.27	2.33
05413712+2930454	*	179.05	-0.44	10.70	0.50	10.11	1.04	0.30	2.88
05414547+2937244	*	178.97	-0.36	11.74	0.43	11.20	1.08	0.30	1.53
05431777+3138489^{v+}	*	177.43	0.99	11.41	0.36	10.96	1.04	0.30	1.90
05434263+3516031	*	174.39	2.96	11.13	0.30	10.77	1.21	0.44	2.32
05434892+3056391	*	178.08	0.72	11.62	0.63	10.84	0.71	0.28	2.67
05452013+3649316	ZOAG G173.23+04.05	173.23	4.05	11.20	0.20	10.96	0.99	0.31	1.75
05452124+2321174	2MFGC 04661	184.74	-2.96	11.63	0.41	11.14	1.08	0.29	1.83
05454087+2813165	*	180.62	-0.36	10.99	0.40	10.51	1.01	0.35	1.89
05471940+2444422	2MFGC 04693	183.78	-1.85	11.30	0.32	10.92	1.10	0.34	2.83
05480756+2141579	ZOAG G186.49-03.27	186.49	-3.27	10.45	0.18	10.25	1.13	0.38	1.87
05491821+1947083	ZOAG G188.27-04.01	188.28	-4.01	10.55	0.25	10.26	1.08	0.32	2.15
05501167+3258153	PGC 2019158	177.05	2.92	10.74	0.19	10.52	1.07	0.31	1.74
05502254+2334244	*	185.14	-1.86	11.58	0.39	11.11	1.06	0.27	1.65
05504707+2701149	*	182.23	-0.01	11.39	0.42	10.87	1.05	0.27	1.84
05511944+1855027	ZOAG G189.27-04.04	189.27	-4.04	11.26	0.25	10.96	1.13	0.38	2.50
05515128+1818051	ZOAG G189.86-04.24	189.86	-4.25	11.37	0.21	11.13	1.09	0.30	2.34
05521278+3344455	ZOAG G176.60+03.68	176.60	3.68	10.19	0.22	9.93	0.92	0.28	1.60
05524113+3056577	ZOAG G179.06+02.35	179.06	2.35	11.18	0.15	11.01	1.23	0.42	1.98
05531219+2144149	*	187.06	-2.23	11.37	0.26	11.07	0.70	0.25	2.56
05540495+3127485	PGC 1948363	178.77	2.87	11.42	0.15	11.25	1.10	0.37	2.35
05575173+2233406	*	186.89	-0.88	11.48	0.38	11.02	1.06	0.39	1.99
05583605+4031118^{a,n,v}	MCG +07-13-004	171.32	8.14	10.63	0.11	10.51	0.96	0.27	3.87
05585447+1759445^{a,n,c}	*	190.97	-2.95	11.37	0.41	10.88	1.12	0.30	1.86

Table A5: continued.

2MASX J	Other name	l	b	K_{20}	A_K	$K_s^{o,d}$	$(J-K_s)^{o,d}$	$(H-K_s)^{o,d}$	rms
		deg	deg	mag	mag	mag	mag	mag	mJy
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
06020437+2311047	*	186.83	0.27	11.64	0.38	11.13	1.05	0.41	1.91
06021688+1901026	*	190.48	-1.75	11.79	0.49	11.19	0.89	0.27	2.32
06022068+2844085	ZOAG G182.03+03.06	182.03	3.06	11.38	0.13	11.22	1.04	0.41	2.87
06031802+1847563	*	190.79	-1.65	11.70	0.48	11.13	0.88	0.24	1.93
06053254+2941454[r]	ZOAG G181.53+04.13	181.53	4.14	11.07	0.31	10.61	1.06	0.35	2.22
06060282+3003307	PGC 2820134	181.27	4.41	10.82	0.27	10.49	1.56	0.51	2.54
06065007+2101089	PGC 185282	189.26	0.17	11.50	0.43	10.96	1.84	0.59	2.02
06074754+1604526[a,n,c]	2MFGC 04939	193.68	-2.04	10.88	0.48	10.30	1.37	0.47	2.43
06080417+2802003	ZOAG G183.26+03.81	183.26	3.82	10.58	0.15	10.42	1.00	0.30	1.80
06085995+1543230	*	194.14	-1.96	12.30	1.12	10.69	0.48	0.02	3.42
06092756+1338133	*	196.02	-2.87	12.29	0.91	11.10	0.46	0.14	1.66
06095101+1839501	*	191.66	-0.36	11.69	0.56	10.99	1.45	0.49	2.23
06095948+1910113	*	191.23	-0.08	10.92	0.49	10.35	1.21	0.38	1.87
06100449+2029063[a,n,d]	*	190.09	0.57	13.59	2.89	9.09	*	-0.69	3.64
06130977+1427300	WEIN 176	195.73	-1.69	10.99	0.24	10.71	1.11	0.29	1.76
06141832+1658308	*	193.65	-0.24	11.81	0.54	11.12	0.95	0.33	2.19
06142070+1349298	*	196.42	-1.74	13.58	3.02	8.83	-2.82	-0.70	2.77
06160639+1659496	*	193.84	0.15	10.74	0.46	10.21	1.05	0.28	2.55
06162063+0717492	ZOAG G202.41-04.40	202.41	-4.40	9.02	0.16	8.86	1.03	0.29	1.97
06162583+1654326	*	193.95	0.18	11.59	0.48	10.96	0.93	0.31	2.30
06163615+1058407	ZOAG G199.19-02.60	199.19	-2.61	9.36	0.22	9.12	1.12	0.38	2.00
06193159+1601422	*	195.08	0.41	11.64	0.40	11.15	0.89	0.24	2.85
06201192+2332563	*	188.51	4.09	11.49	0.29	11.15	1.13	0.35	2.34
06222944+1027158	*	200.34	-1.58	11.18	0.25	10.89	1.25	0.38	2.76
06245794+1458369	*	196.62	1.08	10.80	0.27	10.47	0.92	0.26	1.74
06255436+0632286	ZOAG G204.19-02.66	204.19	-2.66	11.52	0.24	11.24	1.18	0.38	1.82
06262702+0727287	ZOAG G203.44-02.11	203.45	-2.11	11.06	0.21	10.82	1.14	0.42	2.07
06263895+1601067	*	195.89	1.92	11.16	0.17	10.97	0.95	0.26	2.42
06283437+0623064	*	204.64	-2.14	11.35	0.35	10.93	1.16	0.42	2.74
06294669+1032181	*	201.10	0.05	11.58	0.33	11.18	1.19	0.43	1.49
06315346-0930076[r]	CGMW 1-0166	219.24	-8.63	11.56	0.34	11.14	0.85	0.27	1.92
06341652+0758280	2MIG 0861	203.88	-0.15	11.29	0.30	10.92	1.10	0.32	2.50
06343138+0904375	WEIN 203	202.93	0.41	8.93	0.23	8.67	0.74	0.17	1.44
06343673+0238144	*	208.66	-2.54	11.86	0.92	10.69	0.46	0.18	2.75
06344020+0139344	ZOAG G209.54-02.97	209.54	-2.97	11.36	0.40	10.88	0.96	0.22	1.84
06344281+0445594	2MFGC 05256	206.78	-1.53	11.07	0.87	9.94	0.89	0.35	1.18
06355362+0438272	*	207.03	-1.33	10.75	0.42	10.25	1.13	0.28	2.04
06361296+1039387	*	201.72	1.51	12.61	1.23	10.97	0.48	0.20	2.36
06383251+1035536	*	202.04	1.99	11.00	0.33	10.60	0.75	0.26	2.38
06393966+0846004	*	203.79	1.39	11.72	0.41	11.21	1.00	0.32	1.63
06414770+1102252	*	202.01	2.90	11.29	0.25	11.00	1.06	0.40	1.55
06473930-0000098	ZOAG G212.51-00.84	212.50	-0.84	11.08	0.30	10.73	1.25	0.36	1.09
06483359+0145387	*	211.04	0.16	11.42	0.21	11.17	0.98	0.30	2.15
06503049-0248387	*	215.33	-1.49	10.31	0.36	9.88	0.96	0.27	1.48
06504824-0336287	*	216.07	-1.79	11.63	0.37	11.19	1.09	0.37	2.39
06513438-0350052	*	216.36	-1.72	11.34	0.51	10.73	0.86	0.24	1.36
06532549-1122118	ZOAG G223.30-04.72	223.30	-4.72	11.68	0.36	11.24	1.09	0.45	1.68
06562541-0300515	*	216.18	-0.27	11.69	0.52	11.04	1.06	0.34	1.98
06570322-0501137	ZOAG G218.04-01.04	218.04	-1.04	11.54	0.34	11.13	0.62	0.20	1.24
06590970-0249301	ZOAG G216.33+00.43	216.33	0.43	11.39	0.39	10.88	1.24	0.45	1.51
07003437-1020151	*	223.17	-2.69	11.53	0.24	11.25	1.04	0.29	2.31
07011704-0711332	*	220.45	-1.10	11.41	0.37	10.98	0.88	0.27	1.49
07030812-1109581	*	224.20	-2.51	11.16	0.63	10.40	0.92	0.24	1.63
07031926-1246259	ZOAG G225.65-03.20	225.65	-3.20	11.33	0.19	11.12	1.12	0.24	1.85
07052068-1711008	ZOAG G229.81-04.77	229.81	-4.77	11.37	0.15	11.20	0.96	0.21	1.77
07054925-1611251	ZOAG G228.97-04.22	228.98	-4.22	11.25	0.15	11.08	1.18	0.44	2.22
07143657-1857385	ZOAG G232.40-03.63	232.41	-3.62	10.98	0.52	10.37	1.04	0.41	1.86
07143807-1003285	ZOAG G224.52+00.51	224.52	0.51	11.50	0.23	11.22	0.93	0.22	1.49
07160927-1950273	ZOAG G233.36-03.71	233.36	-3.71	11.00	0.34	10.60	0.97	0.32	1.91
07231967-1618397	2MFGC 05885	231.03	-0.55	10.94	0.42	10.45	1.06	0.27	1.54
07235168-1053287	ZOAG G226.31+02.12	226.32	2.13	11.03	0.15	10.87	0.94	0.24	1.59
07264631-2351096	ZOAG G238.06-03.40	238.06	-3.41	10.65	0.37	10.21	1.04	0.32	1.47

Table A5: continued.

2MASX J	Other name	l	b	K_{20}	A_K	$K_s^{o,d}$	$(J-K_s)^{o,d}$	$(H-K_s)^{o,d}$	rms
		deg	deg	mag	mag	mag	mag	mag	mJy
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
07273064-1308046	ZOAG G228.71+01.85	228.72	1.85	11.20	0.16	11.02	1.03	0.29	2.55
07273273-2319396	PGC 3099115	237.68	-3.00	11.09	0.49	10.52	1.05	0.33	2.32
07273400-1308106	ZOAG G228.72+01.86	228.72	1.86	10.68	0.16	10.51	1.08	0.41	1.88
07291623-2048113	PGC 2801378	235.65	-1.45	11.66	0.38	11.20	1.26	0.51	2.07
07294973-2534569	ZOAG G239.92-03.61	239.92	-3.62	10.98	0.28	10.64	1.03	0.37	1.73
07315300-1658237	*	232.59	0.94	13.05	2.57	9.31	-1.66	-0.78	2.04
07323290-1923246	*	234.78	-0.09	11.51	0.82	10.46	0.99	0.46	1.83
07324220-1354035^{v}	ZOAG G229.99+02.59	229.99	2.59	10.00	0.13	9.85	1.22	0.42	1.38
07332576-2543462	ZOAG G240.44-02.97	240.44	-2.97	11.24	0.24	10.96	1.15	0.30	2.02
07343132-2444126	ZOAG G239.69-02.28	239.69	-2.28	11.47	0.25	11.19	1.11	0.39	1.32
07351136-2633207	ZOAG G241.35-03.03	241.35	-3.03	11.54	0.24	11.26	0.92	0.29	1.51
07361741-2522246	ZOAG G240.44-02.24	240.44	-2.24	11.39	0.45	10.85	0.83	0.19	2.41
07374792-1643482	ZOAG G233.07+02.29	233.07	2.29	10.88	0.19	10.66	1.01	0.33	2.06
07374848-1310042	ZOAG G229.95+04.03	229.95	4.03	11.20	0.09	11.11	1.06	0.33	2.57
07375734-2839078	ZOAG G240.34-01.49	243.49	-3.51	11.07	0.24	10.78	1.07	0.32	1.93
07385787-2455377	ZOAG G240.34-01.49	240.34	-1.49	11.22	0.33	10.84	1.11	0.37	2.29
07411855-1642051	ZOAG G233.45+03.04	233.45	3.04	11.14	0.13	10.99	0.96	0.25	1.81
07413450-1611117	ZOAG G233.04+03.34	233.04	3.35	10.77	0.11	10.65	1.00	0.29	2.67
07414443-1608057	2MFGC 06095	233.01	3.41	11.26	0.10	11.15	1.23	0.39	2.39
07425342-1954306	ZOAG G236.43+01.78	236.43	1.78	11.19	0.22	10.94	0.98	0.32	2.27
07431751-3333172	*	248.33	-4.91	10.61	0.45	10.09	1.07	0.32	2.47
07431853-2006196	ZOAG G236.65+01.76	236.65	1.77	11.44	0.24	11.15	1.05	0.34	2.58
07442784-1820196	ZOAG G235.25+02.88	235.25	2.88	11.45	0.18	11.24	1.04	0.30	1.85
07451725-3413310	2MIG 1025	249.12	-4.89	11.76	0.46	11.17	1.01	0.38	2.43
07452996-2715311	ZOAG G243.10-01.37	243.10	-1.37	11.28	0.26	10.95	1.00	0.37	2.10
07465855-2915253	PGC 3085112	244.99	-2.09	11.25	0.29	10.91	1.13	0.48	2.42
07471479-3049352	ZOAG G246.38-02.83	246.38	-2.83	10.59	0.25	10.29	0.88	0.27	2.53
07473672-2101573	*	237.96	2.17	11.41	0.17	11.22	0.94	0.28	2.01
07474347-2520380	ZOAG G241.69+00.02	241.69	0.02	11.44	0.16	11.24	1.06	0.31	1.98
07475295-3041265	ZOAG G246.32-02.64	246.33	-2.65	10.50	0.24	10.23	0.87	0.22	2.00
07483252-2516431^{a,n}	*	241.73	0.21	10.80	0.17	10.62	0.97	0.24	2.67
07483527-2250005	ZOAG G239.63+01.46	239.63	1.46	11.44	0.25	11.15	0.99	0.26	2.76
07484838-2449451^{v}	ZOAG G241.37+00.49	241.37	0.49	11.02	0.18	10.81	1.06	0.32	2.65
07485088-2503171	ZOAG G241.57+00.39	241.57	0.39	11.35	0.17	11.15	1.12	0.38	2.14
07485977-2650561	ZOAG G243.13-00.49	243.14	-0.49	11.20	0.16	11.01	1.13	0.36	2.46
07490339-2458491	ZOAG G241.53+00.47	241.53	0.47	11.36	0.17	11.17	1.06	0.30	1.71
07494054-3341019	*	249.11	-3.83	11.63	0.69	10.77	0.65	*	2.82
07495208-2729568	ZOAG G243.79-00.65	243.79	-0.66	11.54	0.36	11.12	1.21	0.38	2.77
07500081-3142080	ZOAG G247.43-02.76	247.43	-2.76	11.62	0.34	11.21	1.19	0.32	1.95
07505059-3053204	ZOAG G246.82-02.20	246.82	-2.20	10.85	0.33	10.46	0.78	0.22	2.46
07515109-2523545	ZOAG G242.21+00.80	242.21	0.80	11.19	0.13	11.04	0.98	0.30	2.80
07521098-2100174	ZOAG G238.48+03.11	238.47	3.11	11.04	0.10	10.92	1.04	0.30	2.79
07523883-3224563	*	248.33	-2.65	11.52	0.47	10.94	1.01	0.29	2.58
07524324-2431356	ESO 493-G027	241.57	1.41	11.28	0.14	11.11	1.08	0.31	2.34
07530159-2158341	ZOAG G239.41+02.78	239.41	2.78	10.47	0.17	10.28	1.05	0.32	1.95
07531836-3611492	2MIG 1039	251.66	-4.46	11.25	0.54	10.57	1.02	0.26	2.22
07541170-2423209	ZOAG G241.62+01.77	241.62	1.77	10.72	0.12	10.58	1.04	0.31	2.04
07543034-3524203	2MIG 1043	251.10	-3.85	11.63	0.45	11.05	0.87	0.26	2.81
07545229-2756453^{a,n}	*	244.75	0.07	11.19	0.24	10.91	0.99	0.30	2.21
07554671-2716477	ZOAG G244.28+00.58	244.28	0.58	11.24	0.25	10.95	1.08	0.30	2.09
07563338-2150060	ZOAG G239.71+03.55	239.71	3.55	11.27	0.09	11.17	0.97	0.26	2.50
07565545-3127593	*	247.99	-1.38	11.41	0.28	11.08	0.90	0.33	2.44
07573774-2540197	ZOAG G243.12+01.77b	243.12	1.77	11.20	0.08	11.12	1.04	0.33	1.37
07575928-2157182	ZOAG G239.99+03.77	239.99	3.78	10.48	0.11	10.36	1.10	0.38	1.72
07582363-2159463	ZOAG G240.07+03.83	240.07	3.84	11.20	0.10	11.09	1.19	0.45	1.89
07585434-2219534	ZOAG G240.42+03.76	240.42	3.76	10.57	0.09	10.47	0.98	0.33	2.34
07591260-2050166	ZOAG G239.18+04.60	239.18	4.60	10.74	0.08	10.65	0.98	0.30	2.60
08000105-2415483	ZOAG G242.20+02.97	242.20	2.97	10.80	0.07	10.72	0.97	0.24	2.99
08005067-3155465^{v+}	ZOAG G248.82-00.91	248.82	-0.91	11.24	0.26	10.94	1.27	0.41	3.16
08023477-3746569	2MIG 1071	253.98	-3.70	10.47	0.34	10.08	0.94	0.25	2.87
08032461-2727357	ZOAG G245.32+01.93	245.32	1.93	11.13	0.11	11.02	0.96	0.28	3.01
08074237-3544499	*	252.81	-1.74	10.33	0.48	9.77	0.95	0.26	2.77

Table A5: continued.

2MASX J	Other name	l	b	K_{20}	A_K	$K_{\rm s}^{\rm o,d}$	$(J-K_{\rm s})^{\rm o,d}$	$(H-K_{\rm s})^{\rm o,d}$	rms
		deg	deg	mag	mag	mag	mag	mag	mJy
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
08090254-2427021	ZOAG G243.46+04.61	243.46	4.61	11.11	0.06	11.04	1.16	0.35	2.74
08105503-3051287	ZOAG G249.07+01.48	249.07	1.48	11.34	0.19	11.12	1.11	0.39	2.54
08115216-2854143	ZOAG G247.54+02.72	247.55	2.72	11.24	0.13	11.09	0.95	0.28	3.23
08124035-3323491	PGC 3081447	251.40	0.40	11.44	0.22	11.19	1.03	0.32	2.31
08131734-3118595	ZOAG G249.73+01.65	249.73	1.65	10.91	0.17	10.73	1.06	0.41	2.66
08142478-3225000^{d}	ZOAG G250.78+01.24	250.78	1.24	11.26	0.17	11.07	1.11	0.36	2.02
08143768-3305480	ZOAG G251.37+00.90	251.37	0.90	10.43	0.18	10.23	1.01	0.33	2.66
08145230-3311297	ZOAG G251.48+00.89	251.48	0.89	11.44	0.18	11.24	1.02	0.30	2.32
08145956-3309457	ZOAG G251.47+00.93	251.47	0.93	10.65	0.18	10.44	1.05	0.33	2.54
08164477-3846546	*	256.33	-1.91	11.89	0.63	11.08	1.18	0.48	2.92
08170147-3410277	2MFGC 06552	252.55	0.72	10.74	0.15	10.56	1.25	0.43	2.87
08172741-2759259	CGMW 2-3109	247.46	4.25	11.04	0.09	10.95	1.13	0.40	2.03
08191136-3833104^{a,n}	*	256.41	-1.38	10.89	0.48	10.33	1.01	0.33	3.35
08224226-3240398	ZOAG G251.98+02.54	251.98	2.54	11.03	0.11	10.90	0.99	0.28	2.77
08242635-3642433	2MFGC 06631	255.49	0.52	11.32	0.28	10.98	0.99	0.30	2.72
08293905-3526048	2MIG 1143	255.06	2.12	10.45	0.24	10.18	1.02	0.32	2.97
08305941-3249032	ZOAG G253.10+03.88	253.11	3.88	11.17	0.11	11.04	1.00	0.27	2.58
08441291-3612532	ESO 371-G010	257.47	4.01	11.15	0.16	10.96	1.04	0.31	3.30
08471978-3320011^{v+}	CGMW 2-4368	255.60	6.29	10.58	0.11	10.44	1.53	0.30	2.30
08480354-3555256	2MIG 1196	257.72	4.80	11.36	0.14	11.20	1.09	0.34	2.53
08522527-3926038	*	261.00	3.25	10.98	0.30	10.61	1.12	0.39	3.46
15400064-3451570^{a,e,v}	*	337.93	16.31	11.18	0.30	10.83	1.32	0.45	2.65
16160007-3730193^{v}	PGC 622100	341.71	9.52	11.36	0.38	10.91	0.91	0.24	2.72
16163174-3826308^{v}	PGC 3097182	341.12	8.78	11.10	0.32	10.73	0.95	0.33	3.17
16171926-3740403	*	341.78	9.21	11.21	0.37	10.74	0.84	0.24	2.83
16173004-3649262	*	342.42	9.79	11.44	0.36	11.00	1.05	0.41	2.43
16180021-3657068	*	342.40	9.63	10.62	0.38	10.16	1.16	0.33	2.35
16182851-3739379^{a,n}	*	341.96	9.06	10.65	0.43	10.17	0.98	0.28	3.44
16193769-3757523	*	341.90	8.69	11.48	0.35	11.06	1.05	0.33	2.80
16220379-3811082	*	342.08	8.19	10.76	0.32	10.39	0.96	0.25	3.94
16221431-3809491	*	342.12	8.18	11.64	0.32	11.26	0.89	0.25	3.61
16230766-3739356	*	342.61	8.41	11.52	0.44	10.96	1.02	0.26	3.03
16342826-3857439	*	343.19	5.89	11.34	0.26	11.02	0.78	0.15	3.15
16344705-3909459^{v}	IRAS 16314-3903	343.08	5.71	10.61	0.36	10.20	0.88	0.22	3.88
16352427-2433588^{e}	6dF J1635243-243359	354.33	15.26	10.94	0.88	9.87	0.78	0.28	1.47
16414252-3619588^{v}	*	346.12	6.57	10.46	0.33	10.09	0.84	0.21	2.89
16434955-3705384^{v}	2MIG 2297	345.82	5.75	9.52	0.32	9.15	0.93	0.22	2.77
16465670-3721166	2MIG 2305	346.03	5.11	10.40	0.29	10.08	0.80	0.31	2.87
16481772-3810061	*	345.57	4.38	11.24	0.29	10.90	0.91	0.23	3.28
16512573-3307205^{v}	PGC 3099019	349.89	7.10	11.14	0.19	10.92	0.97	0.25	2.88
16515849-3545456	PGC 3085725	347.90	5.34	11.33	0.31	10.97	0.86	0.20	2.54
16522835-3303135^{v}	PGC 3085730	350.09	6.97	10.90	0.17	10.71	0.90	0.23	3.03
16530380-3548500	2MFGC 13517	348.00	5.14	10.63	0.30	10.27	1.02	0.32	3.02
16553517-3532460	*	348.54	4.91	11.30	0.25	11.02	0.94	0.27	2.83
16574847-3438179	*	349.53	5.12	11.13	0.29	10.79	0.86	0.20	2.58
17000638-3152265^{v+}	*	352.02	6.44	10.35	0.16	10.17	0.88	0.25	2.84
17024654-3405128	*	350.60	4.64	11.00	0.19	10.78	*	*	2.58
17073820-2814301	2MIG 2346	355.93	7.32	11.31	0.12	11.17	*	*	1.91
17114071-3210252	*	353.26	4.29	9.76	0.26	9.47	*	0.19	2.03
17123572-2548136^{v}	*	358.58	7.84	10.96	0.18	10.76	0.93	0.26	2.28
17144212-2550472^{v}	TERZAN 062	358.82	7.43	11.02	0.27	10.70	0.96	0.20	2.71
17160689-2438342	*	360.00	7.86	11.56	0.28	11.23	*	*	2.43
17163319-0314237$^{e,v+}$	*	18.61	19.37	11.36	0.32	10.98	1.23	0.32	2.82
17165337-2647470^{v}	*	358.32	6.49	9.99	0.34	9.59	0.78	0.15	2.33
17172860-2409406	*	0.58	7.88	11.42	0.30	11.07	0.83	0.27	1.59
17172859-2417256	2MFGC 13782	0.47	7.80	11.22	0.31	10.84	0.96	0.26	2.91
17173605-2413026^{v}	6dF J1717360-241303	0.55	7.82	11.51	0.32	11.14	0.97	0.19	2.03
17183985-2454314	2MIG 2365	0.11	7.23	11.56	0.30	11.20	*	0.26	3.13
17194814-2528040^{v}	TERZAN 064	359.79	6.70	11.14	0.30	10.79	*	0.17	1.80
17293594-0852282^{e}	DENIS J172935.7-085229	15.27	13.71	11.47	0.32	11.09	1.30	0.46	2.80
17423620-3854340	*	351.16	-4.68	9.34	0.26	9.06	0.84	0.13	3.93
17521905-1517459	2MIG 2445	12.52	5.67	11.02	0.22	10.76	*	0.15	1.95

Table A5: continued.

2MASX J	Other name	l	b	K_{20}	A_K	$K_s^{o,d}$	$(J-K_s)^{o,d}$	$(H-K_s)^{o,d}$	rms
		deg	deg	mag	mag	mag	mag	mag	mJy
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
17554454-0324356[e]	*	23.41	10.76	11.59	0.33	11.17	1.18	0.52	2.11
17575504-1138276	CGMW 3-1083	16.39	6.30	10.84	0.34	10.44	0.98	0.30	2.57
17581377-1241453	CGMW 3-1105	15.51	5.71	11.54	0.38	11.09	1.00	0.33	2.46
17582147-1137141	CGMW 3-1121	16.47	6.22	11.59	0.32	11.21	0.98	0.35	2.31
17585489-0836334	CGMW 3-1162	19.18	7.57	10.82	0.36	10.38	0.94	0.30	2.69
17590767-1333006	CGMW 3-1171	14.87	5.10	11.38	0.32	10.99	*	0.20	2.74
17591740-0833394	CGMW 3-1190	19.27	7.51	11.66	0.36	11.23	0.94	0.25	2.75
17592016-0831286	CGMW 3-1193	19.31	7.52	11.32	0.36	10.88	0.86	0.29	2.15
17594870-1328559	*	15.01	4.99	10.86	0.36	10.43	*	0.63	2.65
18010993-0822352	CGMW 3-1291	19.66	7.19	11.56	0.38	11.09	1.12	0.45	2.69
18012583-0817093	CGMW 3-1305	19.77	7.18	11.60	0.39	11.12	0.96	0.33	2.49
18015264-0425326[v+]	*	23.25	8.93	11.74	0.57	11.02	0.95	0.39	2.18
18034864-0816478[v+]	CGMW 3-1408	20.06	6.66	11.55	0.45	11.01	1.01	0.28	2.71
18034991-0819458	*	20.02	6.64	11.78	0.44	11.23	1.06	0.43	2.91
18035726-0813268	CGMW 3-1419	20.13	6.66	11.64	0.42	11.12	1.05	0.36	2.65
18035876-0959248	CGMW 3-1418	18.57	5.80	11.27	0.29	10.93	1.19	0.44	2.13
18044494-0332132	PGC 2801810	24.38	8.72	11.89	0.57	11.18	0.95	0.30	2.52
18055139-0436219	*	23.56	7.97	11.70	0.85	10.61	1.08	0.33	2.71
18062037-0751501	CGMW 3-1532	20.73	6.31	10.47	0.38	10.02	1.01	0.22	3.11
18070109-1017198	CGMW 3-1558	18.67	5.00	11.16	0.29	10.81	0.88	0.21	3.16
18072606-0905469	CGMW 3-1582	19.77	5.49	11.03	0.43	10.51	1.15	0.30	3.18
18073208-0909508	CGMW 3-1587	19.72	5.43	10.07	0.43	9.55	1.10	0.35	2.25
18073511-0901148	CGMW 3-1590	19.86	5.49	11.52	0.44	10.98	0.92	0.29	2.62
18073699-0850329[a,n]	*	20.02	5.57	10.95	0.45	10.39	*	0.87	2.50
18103194-0652259	*	22.10	5.87	11.65	0.38	11.19	1.35	0.41	2.94
18131758-0113069[v]	*	27.46	7.92	10.93	0.43	10.43	0.97	0.25	1.89
18131810-0041379[v+]	*	27.93	8.16	11.39	0.33	11.00	1.25	0.42	2.47
18140441-0822089	CGMW 3-1931	21.20	4.39	11.06	0.52	10.43	0.97	0.24	2.72
18141853-0607349	PGC 2802170	23.21	5.40	11.61	0.37	11.15	0.86	0.22	2.10
18151860-0834552	2MFGC 14283	21.16	4.02	10.87	0.47	10.31	1.03	0.38	2.92
18160148-0826232	PGC 3085746	21.37	3.93	11.12	0.53	10.47	0.90	0.29	2.12
18172445-0424551	*	25.09	5.52	11.75	0.45	11.20	0.76	0.22	2.34
18192432-3107470	CGMW 4-0518	1.68	-7.45	11.15	0.09	11.05	*	*	2.28
18202335-0117447	2MFGC 14346	28.22	6.31	11.47	0.49	10.81	1.00	0.28	2.14
18203316-0121387	*	28.18	6.24	10.15	0.51	9.55	0.91	0.25	2.24
18215540-0238478	*	27.19	5.34	11.65	0.65	10.85	0.96	0.33	3.00
18221558-0705051	2MIG 2495	23.29	3.21	10.83	0.45	10.30	*	*	2.15
18221913-0449343	2MIG 2496	25.30	4.25	11.50	0.51	10.83	1.05	0.36	2.55
18223005-0232233	CGMW 3-2136	27.35	5.27	10.65	0.58	9.94	0.71	0.20	1.82
18251151+0201241[v]	CGMW 3-2182	31.74	6.76	9.78	0.33	9.41	0.93	0.24	2.54
18261102+0058105[r]	PGC 1180565	30.91	6.06	11.84	0.50	11.25	0.82	0.16	2.51
18263588+0221130[r]	CGMW 3-2201	32.20	6.60	11.32	0.32	10.93	1.23	0.37	2.91
18275944+0031420	*	30.72	5.46	11.58	0.62	10.76	1.03	0.38	2.63
18282690+0032151	*	30.78	5.36	12.02	0.72	11.08	*	0.61	2.07
18282772-0307325	*	27.52	3.67	12.10	0.85	10.96	*	0.30	2.17
18310342-2347198	*	9.45	-6.41	10.72	0.17	10.53	*	*	2.93
18344639+0035492	*	31.56	3.98	11.66	0.56	10.94	*	0.42	2.57
18360903-0036239	*	30.65	3.12	11.50	0.67	10.67	*	0.38	2.96
18365910+0343369[r]	*	34.61	4.91	11.68	0.36	11.25	1.02	0.27	2.00
18384124+0141147	PGC 2801969	32.98	3.61	11.32	0.57	10.62	0.95	0.25	2.71
18432770+0553498	CGMW 3-2559	37.28	4.45	11.50	0.29	11.16	0.82	0.18	2.77
18443435+0527564	*	37.02	4.01	11.59	0.36	11.15	0.85	0.26	2.85
18452225+0533245	*	37.20	3.88	11.74	0.42	11.23	0.86	0.22	2.39
18484697+0401483	2MIG 2559	36.22	2.43	10.84	0.94	9.68	*	0.27	2.82
18504202+0715029	*	39.31	3.46	12.00	0.64	11.16	*	0.35	2.00
18513759-0859297[a,n]	*	24.94	-4.13	10.79	0.12	10.65	0.96	0.27	2.24
18524710+0939480	*	41.70	4.09	11.34	0.29	11.00	0.89	0.35	2.02
18531497-0623155	*	27.45	-3.31	11.05	0.20	10.83	0.61	0.17	2.70
18565611-0613346	CGMW 3-2854	28.01	-4.05	10.21	0.14	10.05	0.98	0.28	2.41
18573128-0436546	*	29.51	-3.45	11.27	0.22	11.01	*	0.38	2.51
18583627+1137375	IRAS 18562+1133	44.10	3.71	10.77	0.28	10.45	0.94	0.27	1.63
19004514+1741359	2MFGC 14688	49.77	5.98	11.47	0.19	11.23	1.30	0.38	2.33

Table A5: continued.

2MASX J	Other name	l	b	K_{20}	A_K	$K_{\rm s}^{\rm o,d}$	$(J-K_{\rm s})^{\rm o,d}$	$(H-K_{\rm s})^{\rm o,d}$	rms
		deg	deg	mag	mag	mag	mag	mag	mJy
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
19004973-0322063	CGMW3-02939	31.00	-3.62	11.28	0.30	10.94	0.99	0.28	2.86
19033623-0348066	CGMW 3-3054	30.93	-4.44	11.21	0.29	10.87	1.06	0.36	2.52
19041528+1256371	*	45.91	3.08	11.53	0.46	10.95	1.15	0.31	1.80
19120105+2043284	CGMW 5-10305	53.70	4.98	11.47	0.34	11.06	0.93	0.29	2.51
19123993+1728258	CGMW 5-10344	50.87	3.35	11.32	0.47	10.74	0.69	0.15	2.72
19124699+0256056	2MIG 2613	37.99	-3.40	10.79	0.28	10.43	*	0.22	1.73
19151500+0434501	2MIG 2618	39.73	-3.19	11.24	0.47	10.68	0.74	0.15	2.16
19203180+0836246	2MIG 2635	43.91	-2.47	11.44	0.42	10.92	*	0.16	2.33
19205612+1841331	*	52.87	2.17	11.03	0.84	9.96	*	0.25	2.12
19222374+2036181	*	54.72	2.77	11.77	0.61	11.01	0.79	0.21	2.25
19223320+2054242	*	55.00	2.88	11.87	0.63	11.07	*	0.26	2.52
19225733+0833551	*	44.16	-3.02	11.36	0.31	10.99	0.78	0.26	2.35
19241113+2208141	*	56.27	3.12	11.66	0.43	11.13	0.74	0.28	2.44
19241426+2047311	*	55.09	2.48	10.97	0.90	9.86	0.36	0.13	1.95
19265425+2104568	*	55.64	2.07	11.01	0.79	9.98	*	*	2.61
19271138+2121295	*	55.91	2.14	11.69	0.78	10.70	*	*	2.51
19285189+1307064	*	48.86	-2.15	11.05	0.47	10.50	*	0.39	2.28
19290252+1239344	*	48.47	-2.40	11.16	0.49	10.56	0.90	0.27	1.85
19312354+2632370	*	60.93	3.77	11.37	0.27	11.05	0.88	0.19	2.69
19315025+2543597	*	60.27	3.29	10.84	0.34	10.45	1.04	0.26	2.35
19365060+3039283	*	65.13	4.69	11.31	0.14	11.16	0.91	0.27	1.96
19370681+2524584	*	60.57	2.10	11.88	0.53	11.22	*	0.34	2.48
19382863+2810502	CGMW 5-11044	63.13	3.18	11.26	0.26	10.97	0.92	0.24	2.51
19385562+2813452	*	63.22	3.12	11.31	0.27	11.00	0.70	0.18	2.02
19390019+1631210	2MIG 2682	53.03	-2.64	10.64	0.40	10.18	0.96	0.25	2.25
19390547+2856372	CGMW 5-11060	63.86	3.43	11.51	0.25	11.21	1.00	0.27	2.54
19410154+2638147	*	62.06	1.93	10.16	0.65	9.35	0.43	0.05	1.80
19502869+1822386[a,n]	CGMW 5-11225	56.00	-4.10	10.42	0.17	10.23	1.10	0.34	1.56
19530266+1953218	*	57.62	-3.85	11.42	0.20	11.19	0.96	0.22	2.84
19550925+3154161	*	68.17	1.93	11.65	0.67	10.83	*	0.67	2.83
19564949+2141345	2MIG 2718	59.62	-3.68	11.39	0.27	11.06	0.56	*	2.96
19573332+3211022	*	68.67	1.64	11.33	0.62	10.53	*	0.27	1.66
20000942+4321590	*	78.52	7.01	11.16	0.13	11.01	1.14	*	2.45
20010969+2655338	*	64.60	-1.79	11.59	0.72	10.66	0.63	0.16	2.30
20055181+3016339	*	67.99	-0.88	12.30	0.90	11.08	*	*	2.46
20092934+2818579	*	66.77	-2.60	12.07	0.81	11.02	1.07	0.17	2.73
20093668+2917070	*	67.60	-2.10	11.15	0.54	10.50	0.96	0.29	1.99
20100506+2557368	*	64.86	-3.99	11.87	0.53	11.22	0.98	0.28	2.25
20101324+2850488	*	67.30	-2.45	11.98	0.65	11.14	0.80	0.19	2.49
20113049+4209265	2MIG 2751	78.60	4.60	11.68	0.39	11.19	1.14	0.43	2.11
20114417+2743549	2MIG 2753	66.55	-3.34	11.76	0.82	10.70	0.80	0.36	2.17
20135618+4443093[v]	2MIG 2761	81.00	5.63	11.29	0.40	10.79	0.96	0.31	2.22
20141998+3732490	2MFGC 15403	75.04	1.62	10.89	0.71	9.96	*	0.44	2.55
20171300+4341267[d]	*	80.47	4.57	11.39	0.36	10.92	1.29	0.43	1.81
20194861+4046363[a,n]	*	78.32	2.54	10.10	1.34	8.41	0.51	0.09	2.63
20201507+4148266	*	79.22	3.05	11.48	0.30	11.12	2.43	0.81	2.83
20202170+3954306	*	77.66	1.96	12.60	1.33	10.73	*	*	3.20
20212592+4438079	2MIG 2775	81.68	4.48	10.84	0.84	9.80	0.88	0.19	2.79
20270462+3535048	*	74.88	-1.61	12.29	0.97	10.98	0.43	0.21	2.77
20321160+4937105	2MFGC 15589	86.82	5.85	11.07	0.48	10.48	1.10	0.38	2.51
20321954+4951445[v]	*	87.03	5.98	11.29	0.50	10.68	0.79	0.18	3.12
20334726+4511401	*	83.40	3.02	10.60	0.61	9.84	0.63	0.16	2.81
20341242+4658296	*	84.88	4.02	11.29	1.74	8.98	0.03	-0.05	3.39
20351333+3947557[d]	*	79.23	-0.42	11.75	2.12	8.90	*	0.27	1.78
20351918+4542555	*	83.98	3.11	10.27	0.67	9.46	1.09	0.36	2.48
20362143+3634452	*	76.79	-2.53	11.80	0.60	11.05	0.90	0.22	2.54
20373467+3559279	*	76.47	-3.08	11.74	0.57	11.03	1.11	0.28	1.66
20394281+3211363[v+]	PGC 1985055	73.70	-5.73	10.92	0.41	10.43	1.13	0.33	2.33
20400769+3853421	2MFGC 15664	79.09	-1.72	12.42	0.98	11.01	*	0.44	1.83
20401346+5059165[v]	IRAS 20386+5049	88.70	5.64	9.11	0.47	8.59	0.90	0.25	2.51
20403052+5054257[v]	PGC 2384678	88.66	5.55	10.41	0.42	9.91	0.85	0.21	3.26
20412222+5054235[v]	*	88.74	5.45	10.50	0.43	10.00	0.94	0.33	3.33

Table A5: continued.

2MASX J	Other name	l	b	K_{20}	A_K	$K_s^{o,d}$	$(J-K_s)^{o,d}$	$(H-K_s)^{o,d}$	rms
		deg	deg	mag	mag	mag	mag	mag	mJy
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
20413936+4450026[d]	*	83.96	1.69	12.15	1.03	10.68	*	0.39	1.71
20420550+4636124	*	85.40	2.72	10.83	0.94	9.67	1.43	0.43	2.48
20440027+4143156	*	81.77	-0.56	10.66	0.63	9.90	2.02	0.65	2.81
20453717+4046002	*	81.21	-1.40	11.96	0.66	11.12	0.85	0.29	2.63
20491597+5119089	*	89.84	4.73	7.39	0.44	6.78	0.42	4.45	3.27
20494713+5206261[v+]	*	90.50	5.16	10.20	0.45	9.70	0.84	0.21	2.96
20494797+5041271	2MFGC 15782	89.40	4.27	11.47	0.62	10.66	1.18	0.28	3.05
20495444+5131530	*	90.06	4.78	11.77	0.45	11.19	1.14	0.44	2.75
20514892+5132328	*	90.26	4.56	11.94	0.62	11.14	0.82	0.22	3.00
20520777+5224130[v]	*	90.96	5.07	10.63	0.63	9.86	0.60	0.07	2.77
20535370+5012580	*	89.45	3.46	12.34	0.95	10.89	*	0.64	2.89
20540993+4608346[a,n]	*	86.35	0.81	10.40	0.82	9.42	1.07	0.30	2.41
20550635+4603460	*	86.40	0.63	11.51	0.85	10.42	*	0.37	2.58
20564755+5441095[v]	2MFGC 15831	93.17	6.00	10.21	0.38	9.79	0.91	0.27	2.82
20573213+4548173	2MIG 2850	86.47	0.15	11.66	0.76	10.64	*	0.80	2.90
20584833+4535334	*	86.46	-0.16	10.91	0.70	10.07	0.77	0.19	3.10
21042220+4742415	*	88.68	0.52	11.86	0.77	10.86	0.99	0.22	3.17
21053995+4958040	*	90.50	1.87	10.98	1.21	9.46	0.43	0.19	2.71
21054461+4958350	*	90.51	1.87	12.16	1.23	10.56	0.65	0.21	2.68
21055031+4956260	*	90.50	1.84	11.33	1.28	9.67	0.79	0.16	3.15
21055135+4957389	*	90.52	1.85	12.41	1.28	10.66	*	*	2.39
21060867+4532092[d]	*	87.27	-1.16	10.86	0.35	10.45	0.90	0.21	2.75
21071353+4456529	*	86.96	-1.70	10.34	0.40	9.86	1.01	0.26	2.75
21081300+4403398	*	86.43	-2.43	11.01	0.27	10.70	0.86	0.27	3.00
21084767+4354039	*	86.38	-2.61	10.84	0.27	10.53	0.97	0.32	2.74
21085630+4451164[v]	WEIN 002	87.10	-1.98	10.44	0.40	9.98	0.95	0.25	2.87
21121597+4531167[v]	WEIN 005	87.99	-1.96	10.37	0.25	10.09	0.91	0.23	2.61
21140974+4835425	*	90.44	-0.08	11.55	0.71	10.65	0.82	0.19	2.89
21150476+5034133	*	91.97	1.19	11.44	0.95	10.23	0.80	0.17	2.16
21154360+4725180	*	89.77	-1.08	10.81	0.57	10.13	0.45	0.15	2.55
21155845+4655229	*	89.44	-1.45	10.66	0.42	10.18	0.72	0.21	2.41
21162340+4547366	*	88.68	-2.29	11.60	0.36	11.15	1.00	0.30	2.98
21164349+5200341	*	93.18	2.00	12.11	1.18	10.51	*	0.47	3.17
21164758+5508395	*	95.44	4.17	11.04	0.48	10.47	0.70	0.20	3.26
21173015+4915194	*	91.29	-0.01	11.78	0.94	10.42	*	0.25	2.37
21174271+4815503	2MIG 2888	90.61	-0.73	11.91	0.89	10.72	1.03	0.37	1.98
21181305+4526187	*	88.65	-2.77	11.41	0.29	11.07	0.91	0.26	3.04
21184034+5218497	*	93.61	2.00	12.18	1.24	10.44	*	0.56	2.66
21202103+4519063	*	88.83	-3.12	11.60	0.31	11.23	0.82	0.26	2.43
21214731+4414419	*	88.25	-4.06	10.33	0.27	10.01	0.88	0.23	3.02
21215894+5219203	*	93.97	1.65	12.68	1.59	10.46	*	0.13	1.83
21224661+5208343	*	93.93	1.43	12.90	1.38	10.87	*	*	2.83
21231420+4850254	*	91.66	-0.97	11.87	0.56	11.17	1.07	0.34	2.45
21240760+4943370	*	92.39	-0.44	11.82	0.80	10.77	*	0.35	2.10
21242503+4933591	*	92.31	-0.59	11.65	0.77	10.68	0.67	0.22	2.06
21253828+4809267	ZOAG G091.47-01.73	91.47	-1.74	11.08	0.44	10.56	1.08	0.33	2.72
21255239+4423193	WHIJ2125+44	88.87	-4.47	11.16	0.25	10.83	0.84	0.24	3.13
21263514+4541569	*	89.87	-3.61	11.27	0.24	10.99	0.81	0.32	3.39
21274031+4741107	*	91.39	-2.31	11.38	0.32	11.02	0.79	0.16	2.36
21292943+5030411	*	93.55	-0.47	11.83	0.87	10.68	1.11	0.29	2.93
21305323+4813559[a,n,v]	*	92.15	-2.29	9.92	0.32	9.56	0.87	0.24	2.99
21311568+4752142	ZOAG G091.95-02.59	91.95	-2.59	10.77	0.31	10.39	0.90	0.22	2.54
21324206+4816460	*	92.41	-2.46	11.26	0.29	10.92	1.00	0.36	2.66
21333640+4747326	*	92.19	-2.92	11.04	0.31	10.67	1.02	0.35	2.97
21350281+5309074	*	95.98	0.88	11.68	0.70	10.81	0.82	0.16	2.69
21355259+4734217	ZOAG G092.32-03.33	92.32	-3.34	10.48	0.20	10.24	0.73	0.23	2.48
21355399+4728217[v]	*	92.26	-3.41	11.46	0.20	11.24	1.14	0.44	1.80
21362763+5936230[v+]	2MFGC 16319	100.47	5.53	11.62	0.33	11.21	1.09	0.41	2.92
21375000+5929172[v+]	*	100.52	5.33	10.94	0.33	10.55	1.20	0.41	2.58
21411938+5103170	*	95.30	-1.32	11.49	0.60	10.75	0.78	*	2.46
21413756+5245302	*	96.45	-0.07	12.23	0.98	10.96	0.80	0.17	2.28
21431837+5456250	*	98.07	1.42	12.19	3.95	7.08	*	-1.01	2.92

Table A5: continued.

2MASX J	Other name	l	b	K_{20}	A_K	$K_{\rm s}^{\rm o,d}$	$(J-K_{\rm s})^{\rm o,d}$	$(H-K_{\rm s})^{\rm o,d}$	rms
		deg	deg	mag	mag	mag	mag	mag	mJy
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
21464183+5427064	2MIG 2956	98.13	0.73	11.78	0.46	11.21	0.98	0.35	2.81
21511496+5439031	*	98.76	0.47	11.25	0.84	10.08	0.85	*	2.40
21511714+5439331	*	98.77	0.47	11.25	0.84	10.16	0.83	0.31	2.68
21512814+5316383^{a,n}	*	97.92	-0.62	11.06	0.44	10.55	0.97	0.30	2.06
21523166+5245290	2MIG 2973	97.72	-1.13	11.25	0.41	10.77	0.93	0.20	2.16
21565664+5539243	*	100.02	0.75	11.77	0.58	11.04	1.04	0.34	1.60
21584706+5408535^{a,n}	*	99.31	-0.61	11.72	0.54	11.04	0.99	0.27	5.13
22051749+5935350	*	103.29	3.22	11.67	0.38	11.21	0.85	0.23	2.35
22053512+5411551	*	100.14	-1.16	11.29	0.36	10.86	0.85	0.19	2.30
22131198+6153077	ZOAG G105.41+04.52	105.41	4.52	11.08	0.35	10.63	1.20	0.47	2.99
22134060+6026059^{d}	*	104.63	3.30	11.83	0.60	11.05	1.22	0.42	1.95
22143934+5902441	*	103.95	2.08	11.77	0.68	10.88	1.13	0.32	2.34
22200608+5846345^{d}	*	104.39	1.47	11.85	0.85	10.70	0.97	0.22	1.68
22201001+6345395	*	107.13	5.63	12.18	0.80	11.12	1.19	0.38	3.42
22220225+5837501	*	104.52	1.21	11.93	1.17	10.39	0.45	0.18	3.03
22234144+5140563^{v+}	IRAS 22217+5125	100.98	-4.78	11.30	0.10	11.19	1.03	0.45	2.03
22262597+6135161	*	106.56	3.42	11.37	0.49	10.76	1.01	0.32	2.66
22300095+5848477	*	105.49	0.82	11.86	0.58	11.12	1.30	0.44	2.65
22342113+5759454	*	105.57	-0.18	9.45	0.35	9.06	1.04	0.29	3.32
22491636+6053023	*	108.61	1.46	11.78	0.85	10.65	1.02	0.38	3.38
22541372+5702353	*	107.48	-2.27	11.38	0.21	11.14	1.13	0.35	2.28
22545382+5756391	*	107.95	-1.50	11.25	0.33	10.85	1.07	0.31	3.05
23013861+5711360	*	108.46	-2.56	11.51	0.31	11.13	0.97	0.37	2.64
23145710+5928024	*	110.95	-1.14	12.17	0.84	10.94	0.49	0.10	2.73
23230542+6135541	*	112.63	0.51	11.15	0.34	10.74	1.28	0.46	2.38
23530292+6727217	*	117.36	5.22	11.44	0.49	10.81	1.50	0.39	3.11
23541834+5959178	ZOAG G115.84-02.10	115.84	-2.09	11.64	0.35	11.23	0.91	0.19	2.56
23552751+6701119	*	117.50	4.74	11.74	0.63	10.94	0.90	0.27	2.76
23570980+6437388	*	117.16	2.37	11.32	0.48	10.74	1.10	0.29	2.34

Table A6: Possible HI detections – observational data

2MASX J	Other name	K_{20}	J-K	H-K	d_{K20}	b/a	V_{50}	σ_V	W_{50}	W_{20}	$F_{\rm HI}$	σ_F	rms	S/N
		mag	mag	mag	$''$		$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm km}{\rm s}$	$\frac{\rm Jykm}{\rm s}$	$\frac{\rm Jykm}{\rm s}$	mJy	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
02590152+5318199	ZOAG G141.41-04.92	11.49	1.35	0.38	38	0.32	7146	8	229	250	0.79	0.30	2.05	4.3
03104409+6106477[a]	ZOAG G138.96+02.65	8.08	1.51	0.48	133	0.54	2505	38	162	267	1.47	0.41	2.73	7.1
03192996+5755423	*	11.61	1.39	0.48	24	0.78	1327	15	254	291	1.55	0.41	2.58	6.3
04110830+3837269B	*	10.90	1.45	0.45	46	0.34	6158	13	234	273	1.62	0.31	2.03	8.7
04264449+3810182	2MFGC 03603	10.87	2.07	0.65	61	0.30	6546	32	129	216	0.82	0.24	1.77	6.8
04292626+4855120	ZOAG G155.28+00.24	10.87	1.62	0.53	45	0.42	7231	30	94	154	0.55	0.25	2.18	4.3
04413675+4203562	*	11.13	1.44	0.38	38	0.48	3975	22	99	147	0.36	0.14	1.27	4.7
05141860+4622066	ZOAG G162.04+04.44	10.73	1.25	0.31	61	0.46	6388	8	388	405	1.21	0.36	1.90	5.4
06162583+1654326	*	11.59	1.60	0.53	38	0.60	5131	54	55	239	1.18	0.33	2.30	11.5
18202335-0117447	2MFGC 14346	11.47	1.69	0.51	53	0.20	6875	11	455	484	1.63	0.44	2.14	6.0
20135618+4443093[v]	2MIG 2761	11.29	1.52	0.50	45	0.42	7078	9	360	383	1.69	0.40	2.22	6.7
21071353+4456529[c?]	*	10.34	1.58	0.45	50	0.90	4793	28	460	535	3.13	0.59	2.75	8.8

Table A7: HI detections – derived properties

2MASX J	l	b	A_K	D	$K_{\rm s}^{\rm o,d}$	$(J-K_{\rm s})^{\rm o,d}$	$(H-K_{\rm s})^{\rm o,d}$	$r_{K_s}^{\rm o,d}$	$\log(L_{\rm K_c})$	$\log(M_{\rm HI})$	$\log(\frac{M_{\rm HI}}{L_{K_c}})$	$V_{\rm rot}$	$\log(M_{\rm dyn})$	$\log(\frac{M_{\rm bar}}{M_{\rm dyn}})$
	deg	deg	mag	Mpc	mag	mag	mag	kpc	$L_{\odot,K}$	$M_\odot$	$M_\odot/L_{\odot,K}$	$\frac{\rm km}{\rm s}$	$M_\odot$	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
a) clear HI detections of 2MZOAG galaxies														
00141253+7036448^{v}	119.82	7.97	0.31	92.6	10.54	0.93	0.24	9.9	11.04	10.26	-0.78	277	11.25	-0.19
00384223+6017130	121.35	-2.55	0.22	55.0	10.67	0.89	0.21	5.7	10.54	9.43	-1.10	165	10.56	-0.06
00475430+6807433^{a,v}	122.60	5.26	0.35	50.0	10.37	0.92	0.33	7.7	10.57	9.80	-0.78	179	10.76	-0.17
01191829+6219297	126.16	-0.37	0.38	55.7	10.22	1.14	0.34	6.8	10.73	9.54	-1.19	151	10.55	0.12
01203021+6525055	125.95	2.72	0.40	54.3	9.47	0.88	0.26	9.2	11.01	9.87	-1.14	245	11.11	-0.15
01261932+6046064	127.18	-1.82	0.21	78.5	9.92	1.14	0.38	9.6	11.15	9.87	-1.27	298	11.30	-0.21
01273787+6308155	127.01	0.55	0.53	86.3	10.28	1.09	0.37	6.4	11.08	9.81	-1.28	83	10.01	1.01
01485859+6045514	129.90	-1.33	0.35	57.7	10.61	0.88	0.24	5.4	10.60	9.65	-0.95	145	10.42	0.16
01572719+6601408	129.58	4.01	0.41	53.9	10.08	1.66	0.52	4.5	10.75	9.25	-1.50	143	10.33	0.35
02013241+6824219^{a,v}	129.34	6.41	0.35	48.3	9.19	0.89	0.25	8.9	11.02	9.08	-1.93	81	10.13	0.79
02023124+6008000	131.68	-1.53	0.41	61.0	10.74	0.95	0.36	6.9	10.60	9.34	-1.25	170	10.67	-0.12
02084091+7102087^{a,v}	129.18	9.11	0.25	45.5	10.65	0.90	0.32	4.5	10.38	9.60	-0.78	152	10.39	0.01
02085980+7114029^{a}	129.15	9.30	0.22	40.7	10.86	*	*	4.9	10.20	9.12	-1.08	620	11.64	-1.48
02101852+6300516	131.74	1.50	0.44	57.4	10.81	0.97	0.32	5.0	10.52	9.32	-1.19	94	10.01	0.46
02153787+6139179	132.75	0.40	0.42	89.7	11.05	1.23	0.24	6.8	10.81	9.48	-1.33	229	10.92	-0.17
02235399+6337032	132.99	2.57	0.27	45.6	10.66	1.21	0.33	3.6	10.38	9.18	-1.20	119	10.07	0.25
02243924+5926126	134.54	-1.32	0.33	90.5	10.95	1.05	0.30	6.3	10.86	9.81	-1.05	291	11.09	-0.27
02294695+6523350	132.94	4.45	0.32	84.9	10.36	0.77	0.21	9.2	11.04	9.85	-1.19	206	10.96	0.03
02322165+6454104	133.38	4.10	0.35	69.1	10.92	0.99	0.31	6.1	10.63	9.61	-1.03	156	10.54	0.06
02332153+6009100	135.30	-0.25	0.39	60.0	10.72	1.30	0.38	5.9	10.59	9.47	-1.12	179	10.65	-0.10
02440181+7005273^{v}	132.30	9.30	0.55	53.8	10.47	0.77	0.22	5.5	10.60	9.51	-1.09	146	10.44	0.12
02472414+6239425	135.81	2.73	0.26	81.3	9.89	0.99	0.29	12.4	11.19	10.04	-1.15	260	11.29	-0.15
02531475+5528143^{a,c,v}	139.66	-3.40	0.41	54.0	10.18	0.35	1.03	7.6	10.72	9.40	-1.32	189	10.80	-0.15
02531969+5529140^{a,c,v}	139.66	-3.38	0.40	55.6	10.30	0.92	0.30	4.0	10.69	9.52	-1.18	74	9.71	0.93
02545129+5625144	139.43	-2.45	0.40	53.0	11.18	0.94	0.31	3.1	10.30	9.43	-0.87	152	10.23	0.07
02545198+5812134	138.61	-0.86	0.56	56.5	10.81	0.85	0.20	3.8	10.50	9.23	-1.27	69	9.63	0.82
02550583+6624065^{v}	134.88	6.44	0.32	47.3	9.36	0.93	0.27	6.5	10.93	9.55	-1.38	226	10.89	-0.03
02570346+5658488	139.44	-1.81	0.45	46.6	10.83	0.89	0.22	3.5	10.33	9.92	-0.41	171	10.37	0.08
02592153+5736175	139.42	-1.11	0.51	30.7	10.25	1.04	0.27	2.4	10.20	9.16	-1.04	176	10.23	-0.07
03082803+5745174	140.41	-0.39	0.43	33.1	10.16	1.14	0.32	3.7	10.30	9.18	-1.12	120	10.09	0.17
03111176+6105047$^{a,c?}$	139.03	2.66	0.38	34.5	10.98	0.96	0.30	3.1	10.01	8.90	-1.10	98	9.84	0.13
03124721+6231391	138.45	3.99	0.41	83.7	11.12	0.95	0.36	6.0	10.72	9.74	-0.98	168	10.60	0.10
03264399+5419084	144.39	-1.95	0.48	65.0	11.15	0.91	0.31	5.5	10.49	9.04	-1.45	88	10.00	0.42
03285780+6656000^{v}	137.49	8.63	0.32	79.3	10.73	0.93	0.26	5.4	10.83	9.52	-1.31	152	10.47	0.30
03290640+6458319^{v}	138.63	7.03	0.34	34.0	9.07	0.87	0.23	4.6	10.76	9.46	-1.30	265	10.87	-0.18
03292042+6601389^{a,v}	138.05	7.91	0.36	28.2	9.18	0.96	0.23	6.4	10.55	8.89	-1.66	184	10.70	-0.23
03292877+5429573	144.62	-1.58	0.65	67.5	10.62	1.01	0.30	6.6	10.73	9.29	-1.44	180	10.70	-0.04
03331908+6609092^{v}	138.31	8.24	0.40	74.5	10.45	0.88	0.29	8.0	10.89	10.13	-0.76	218	10.94	-0.04
03362290+5048356^{v}	147.61	-3.99	0.32	67.2	10.69	1.07	0.35	6.2	10.70	9.91	-0.80	180	10.67	0.05
03385418+6617499^{a,c,v}	138.68	8.69	0.38	79.3	10.34	0.97	0.31	9.3	10.99	9.86	-1.13	163	10.76	0.18
03393937+6527116^{a,c,v}	139.26	8.06	0.32	68.3	10.62	0.88	0.21	6.8	10.74	9.92	-0.83	217	10.88	-0.13

Table A7: continued.

2MASX J	l	b	A_K	D	$K_s^{o,d}$	$(J-K_s)^{o,d}$	$(H-K_s)^{o,d}$	$r_{K_s}^{o,d}$	$\log(L_{K_c})$	$\log(M_{HI})$	$\log(\frac{M_{HI}}{L_{K_c}})$	V_{rot}	$\log(M_{dyn})$	$\log(\frac{M_{bar}}{M_{dyn}})$
	deg	deg	mag	Mpc	mag	mag	mag	kpc	$L_{\odot,K}$	$M_\odot$	$M_\odot/L_{\odot,K}$	$\frac{km}{s}$	$M_\odot$	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
03394709+6528486[a,c,v]	139.25	8.09	0.32	68.5	9.77	0.98	0.25	10.4	11.09	9.89	-1.20	176	10.87	0.16
03480684+4955450[a,c]	149.64	-3.56	0.39	136.2	10.65	1.12	0.46	8.3	11.33	10.48	-0.85	225	10.99	0.34
03480963+4955140[a,c,v]	149.65	-3.56	0.39	136.5	10.77	1.09	0.44	8.8	11.29	10.26	-1.02	159	10.71	0.54
03514420+5105033	149.36	-2.29	0.61	66.8	9.81	1.10	0.32	8.5	11.05	9.36	-1.69	122	10.47	0.50
03543651+4910571	150.93	-3.47	0.41	55.0	10.79	0.92	0.20	4.4	10.49	9.39	-1.10	165	10.45	0.00
04002219+3839233[a,e,c]	158.64	-10.78	0.30	86.0	10.16	1.06	0.35	9.9	11.13	9.79	-1.34	301	11.32	-0.25
04075531+4549400	154.84	-4.52	0.25	60.2	10.90	0.91	0.22	6.2	10.52	10.01	-0.52	157	10.55	0.06
04095823+5450065	148.98	2.34	0.63	60.9	10.59	1.07	0.31	7.1	10.66	9.62	-1.04	93	10.16	0.47
04112872+5518091	148.82	2.83	0.47	67.4	11.22	0.87	0.38	3.7	10.49	8.99	-1.50	51	9.35	1.07
04115755+3838463[a,c,v]	160.33	-9.25	0.46	77.3	10.12	0.91	0.25	9.9	11.05	9.87	-1.18	263	11.20	-0.20
04115864+3842213[a,c,v]	160.29	-9.21	0.49	77.1	10.74	0.89	0.24	5.0	10.80	9.84	-0.96	298	11.02	-0.24
04120068+3846073[a,c]	160.25	-9.16	0.52	77.1	9.68	0.99	0.31	9.7	11.23	9.97	-1.25	301	11.31	-0.14
04121283+3842023[a,c]	160.33	-9.18	0.52	77.5	10.35	1.07	0.25	7.7	10.96	9.90	-1.06	435	11.53	-0.60
04124119+3843433[a,c?]	160.38	-9.10	0.50	86.1	9.93	1.19	0.35	12.6	11.22	9.83	-1.39	98	10.45	0.70
04131853+3819491[v]	160.74	-9.30	0.51	87.8	10.66	1.02	0.28	6.7	10.95	10.20	-0.75	162	10.61	0.36
04151246+3840071[v]	160.78	-8.80	0.45	81.1	10.79	0.91	0.41	6.1	10.83	9.72	-1.10	268	11.01	-0.23
04191179+5552439	149.21	4.00	0.35	72.7	9.93	0.91	0.26	8.3	11.07	9.89	-1.19	260	11.12	-0.09
04204654+5237183	151.67	1.85	0.46	74.3	11.13	0.93	0.21	5.7	10.61	9.51	-1.11	106	10.17	0.40
04230274+3722007	162.81	-8.62	0.49	79.2	10.62	0.87	0.17	10.7	10.87	9.87	-1.00	220	11.08	-0.24
04241490+3725180[a]	162.94	-8.41	0.44	92.1	11.14	0.91	0.29	6.0	10.80	9.42	-1.38	132	10.39	0.34
04244617+4244494	159.16	-4.63	0.19	79.8	10.19	0.90	0.26	13.2	11.05	9.70	-1.35	258	11.31	-0.32
04250287+4726453	155.83	-1.32	0.46	74.5	9.94	1.03	0.33	7.8	11.09	10.02	-1.07	77	10.03	1.02
04254161+4222276	159.55	-4.77	0.19	78.4	11.10	1.05	0.44	5.8	10.67	9.16	-1.51	91	10.05	0.55
04263959+4700055	156.34	-1.43	0.48	74.7	10.96	0.89	0.17	7.7	10.69	9.38	-1.31	191	10.81	-0.19
04271586+5049248	153.66	1.30	0.60	59.3	10.18	0.85	0.17	8.0	10.80	9.88	-0.92	237	11.02	-0.23
04283316+3625579	164.26	-8.47	0.60	89.0	10.58	1.04	0.41	10.0	10.99	10.16	-0.83	219	11.05	-0.05
04302392+5020090	154.35	1.32	0.44	30.7	11.03	0.82	0.26	1.9	9.89	8.39	-1.50	49	9.01	0.80
04313523+4714048	156.75	-0.66	0.47	76.5	11.19	1.14	0.39	6.3	10.61	9.81	-0.80	191	10.73	-0.10
04333811+4530061	158.26	-1.58	0.41	51.3	9.18	0.97	0.29	11.1	11.07	9.63	-1.44	204	11.03	-0.03
04340516+4101321	161.61	-4.56	0.19	83.7	11.08	0.97	0.23	5.4	10.74	9.62	-1.12	164	10.53	0.17
04341003+2556378[e]	173.05	-14.58	0.53	96.0	10.92	0.88	0.25	5.5	10.92	9.57	-1.35	34	9.18	1.68
04345504+2642366[e]	172.57	-13.95	0.48	30.1	11.00	1.16	0.43	2.8	9.88	9.24	-0.64	133	10.06	-0.13
04382270+4746546	157.12	0.55	0.48	82.3	11.13	1.01	0.26	6.6	10.70	9.79	-0.91	188	10.74	-0.05
04390278+3532568[v]	166.36	-7.49	0.33	85.7	10.70	1.09	0.37	5.8	10.91	9.51	-1.40	86	9.99	0.85
04410782+5136224	154.55	3.43	0.40	78.1	11.02	1.02	0.33	5.3	10.70	9.62	-1.08	194	10.66	0.00
04464159+4943063	156.56	2.86	0.28	89.7	10.67	0.90	0.28	11.9	10.96	9.68	-1.28	210	11.09	-0.18
04481997+3436502[a,v]	168.32	-6.65	0.48	78.0	10.14	1.00	0.31	7.4	11.05	9.30	-1.75	47	9.57	1.40
04485356+3728102	166.19	-4.74	0.29	85.7	10.74	0.85	0.20	7.0	10.89	9.87	-1.03	353	11.31	-0.45
04514426+3856227	165.41	-3.37	0.30	48.8	10.18	1.01	0.28	8.0	10.63	9.56	-1.07	182	10.79	-0.20
04534877+4218445[a,v]	163.05	-0.93	0.21	90.7	10.51	1.17	0.39	10.9	11.04	9.95	-1.08	175	10.89	0.11
04563494+3723521	167.21	-3.60	0.26	89.0	11.23	1.08	0.38	6.6	10.73	9.70	-1.03	203	10.80	-0.10
04574731+4607167	160.52	2.02	0.29	96.5	11.24	0.94	0.23	7.5	10.80	9.97	-0.83	208	10.88	-0.08
05004115+4238061	163.58	0.27	0.17	95.4	11.18	1.12	0.39	5.0	10.81	9.71	-1.10	230	10.79	-0.02
05014040+4338109[a]	162.90	1.02	0.24	95.0	10.43	1.11	0.29	14.0	11.11	9.95	-1.16	261	11.34	-0.28

Table A7: continued.

2MASX J	l	b	A_K	D	$K_{\rm s}^{\rm o,d}$	$(J-K_{\rm s})^{\rm o,d}$	$(H-K_{\rm s})^{\rm o,d}$	$r_{K_s}^{\rm o,d}$	$\log(L_{\rm K_c})$	$\log(M_{\rm HI})$	$\log(\frac{M_{\rm HI}}{L_{K_c}})$	$V_{\rm rot}$	$\log(M_{\rm dyn})$	$\log(\frac{M_{\rm bar}}{M_{\rm dyn}})$
	deg	deg	mag	Mpc	mag	mag	mag	kpc	$L_{\odot,K}$	$M_\odot$	$M_\odot/L_{\odot,K}$	$\frac{\rm km}{\rm s}$	$M_\odot$	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
05043136+3731335	168.08	-2.28	0.29	83.9	10.30	0.97	0.33	9.1	11.05	9.70	-1.35	228	11.04	-0.06
05095533+4436308	163.02	2.79	0.21	82.6	10.63	0.98	0.33	8.4	10.91	10.10	-0.80	216	10.96	-0.04
05115386+4537142^{v}	162.41	3.67	0.17	85.2	10.43	1.08	0.34	8.0	11.01	9.83	-1.18	194	10.85	0.12
05200866+4314313^{a}	165.21	3.49	0.19	46.8	10.45	0.85	0.20	3.3	10.49	9.73	-0.75	168	10.34	0.16
05221454+3826469	169.38	1.09	0.24	81.9	10.68	1.27	0.43	9.0	10.88	9.36	-1.52	174	10.81	0.00
05382465+3241509	175.99	0.67	0.22	113.9	11.19	1.00	0.31	8.6	10.96	9.69	-1.27	248	11.09	-0.19
05515780+1807051^{a}	190.04	-4.32	0.19	76.4	11.06	1.15	0.38	5.2	10.67	8.99	-1.68	107	10.14	0.44
05540715+1759352	190.40	-3.94	0.22	73.7	10.25	1.00	0.27	5.9	10.96	9.92	-1.03	37	9.27	1.66
05583187+2244210	186.81	-0.66	0.41	31.4	10.45	1.10	0.40	3.0	10.14	8.17	-1.97	80	9.64	0.41
05583483+1754200^{v}	191.01	-3.06	0.37	78.9	10.52	0.84	0.24	8.5	10.91	9.50	-1.41	75	10.05	0.79
05590035+1806455^{a,c}	190.88	-2.87	0.44	78.0	10.77	0.97	0.23	6.1	10.80	9.55	-1.25	171	10.62	0.12
05590393+1804285^{a,c}	190.92	-2.88	0.44	78.0	10.39	1.10	0.42	5.3	10.95	9.61	-1.34	170	10.55	0.34
06023546+2201525^{v}	187.89	-0.20	0.35	32.6	10.42	1.11	0.37	3.9	10.18	8.80	-1.38	58	9.49	0.62
06034588+1812362	191.35	-1.84	0.69	91.5	10.95	1.06	0.34	6.9	10.87	9.69	-1.17	218	10.88	-0.06
06074379+1608036^{a,c}	193.63	-2.03	0.46	75.7	11.19	1.11	0.17	4.6	10.61	9.83	-0.77	113	10.14	0.48
06110644+1551489	194.26	-1.45	0.41	72.1	10.14	1.19	0.34	11.1	10.98	9.82	-1.16	203	11.03	-0.09
06171616+1655575$^{a,c?}$	194.03	0.36	0.43	70.4	10.43	0.90	0.23	5.1	10.85	9.61	-1.24	425	11.33	-0.54
06200969+1650483	194.43	0.93	0.26	68.5	11.11	0.76	0.22	5.6	10.55	9.40	-1.15	158	10.51	0.00
06225815+1108312	199.78	-1.15	0.33	71.6	10.74	1.11	0.42	7.8	10.74	10.23	-0.51	200	10.86	-0.03
06284616+0149197	208.72	-4.21	0.29	36.5	10.24	0.98	0.29	3.3	10.35	8.47	-1.88	182	10.41	-0.14
06352675+0230578	208.87	-2.41	0.61	81.7	10.37	1.03	0.26	6.5	11.00	9.48	-1.52	91	10.10	0.83
06353794+0022498	210.79	-3.34	0.49	83.2	10.27	0.91	0.28	5.2	11.06	9.70	-1.36	230	10.81	0.18
06354230+0226468	208.96	-2.38	0.56	82.8	10.09	1.12	0.35	11.3	11.12	9.33	-1.80	93	10.35	0.68
06354846+1115047^{a,c}	201.15	1.69	0.31	51.1	10.76	0.93	0.20	5.3	10.44	9.58	-0.85	120	10.25	0.19
06405286+0948570	203.00	2.14	3.99	97.8	6.47	-2.91	-0.95	223.1	12.72	9.89	-2.83	205	11.35	1.27
06455492-1812493^{a}	228.68	-9.38	0.12	8.8	9.97	0.52	-0.09	1.7	9.22	9.12	-0.11	455	10.92	-1.42
06474744-0048518	213.24	-1.18	0.28	55.6	10.83	0.95	0.29	4.9	10.48	9.22	-1.27	248	10.84	-0.42
06503679-0352597	216.30	-1.95	0.45	86.3	11.10	1.11	0.25	8.0	10.76	9.49	-1.27	206	10.89	-0.20
06535387-0337410	216.44	-1.11	0.28	88.0	10.46	1.22	0.43	10.9	11.03	9.59	-1.44	252	11.21	-0.25
06541984-1208232	224.09	-4.87	0.24	130.7	10.86	0.84	0.21	8.5	11.21	10.21	-1.01	270	11.16	0.02
06552670-0411095	217.11	-1.02	0.40	72.1	10.94	1.00	0.33	6.2	10.66	9.33	-1.34	204	10.78	-0.18
06572149-0508597	218.19	-1.03	0.35	32.2	10.52	0.99	0.25	5.9	10.13	9.59	-0.54	138	10.42	-0.21
06590153+0634579^{a,v}	207.92	4.68	0.08	84.7	10.99	0.93	0.26	9.4	10.78	9.70	-1.08	195	10.92	-0.17
07005613-1147344	224.51	-3.27	0.20	40.4	9.47	1.33	0.41	6.2	10.75	9.74	-1.01	224	10.86	-0.14
07021533-0313467	217.04	0.93	0.63	88.5	10.74	0.50	0.10	9.4	10.92	9.93	-0.99	226	11.05	-0.15
07093459-0525404^{v}	219.83	1.54	0.14	22.9	9.92	0.94	0.26	3.4	10.07	9.19	-0.89	163	10.32	-0.25
07165094-1852251	232.57	-3.11	0.55	37.1	10.42	1.12	0.34	8.2	10.29	9.16	-1.13	134	10.54	-0.29
07245535-2430057^{a}	238.44	-4.08	0.48	12.9	10.54	0.87	0.20	0.8	9.33	8.56	-0.76	166	9.73	-0.39
07304535-2823585	242.50	-4.77	0.16	107.6	10.60	0.57	0.17	15.2	11.15	10.27	-0.87	195	11.13	0.01
07344923-2404306	239.14	-1.90	0.42	59.1	10.91	1.17	0.34	7.1	10.50	9.40	-1.11	173	10.69	-0.23
07360443-2748552^{v}	242.55	-3.47	0.25	105.8	11.13	1.09	0.29	7.2	10.92	9.69	-1.23	215	10.89	-0.03
07380245-2710388	242.21	-2.77	0.34	99.1	9.64	1.03	0.27	10.6	11.46	9.62	-1.84	447	11.69	-0.32
07385822-2855357^{v}	243.84	-3.45	0.22	70.3	10.93	1.26	0.43	7.2	10.65	9.54	-1.11	178	10.72	-0.12
07403156-2618279^{a,v}	241.72	-1.86	0.25	47.5	10.91	0.94	0.33	3.8	10.31	8.99	-1.33	162	10.36	-0.11

Table A7: continued.

2MASX J	l	b	A_K	D	$K_s^{o,d}$	$(J-K_s)^{o,d}$	$(H-K_s)^{o,d}$	$r_{K_s}^{o,d}$	$\log(L_{K_c})$	$\log(M_{HI})$	$\log(\frac{M_{HI}}{L_{K_c}})$	V_{rot}	$\log(M_{dyn})$	$\log(\frac{M_{bar}}{M_{dyn}})$
	deg	deg	mag	Mpc	mag	mag	mag	kpc	$L_{\odot,K}$	$M_\odot$	$M_\odot/L_{\odot,K}$	$\frac{km}{s}$	$M_\odot$	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
07413554-2544190	241.34	-1.37	0.25	104.5	10.81	1.01	0.33	6.5	11.04	10.12	-0.92	239	10.94	0.09
07414115-2231134	238.56	0.24	0.20	40.2	9.26	1.32	0.46	8.5	10.83	9.93	-0.90	231	11.02	-0.20
07414792-3028212[v]	245.49	-3.67	0.17	98.3	10.96	1.16	0.43	10.8	10.92	10.20	-0.73	200	11.00	-0.05
07431472-2545501[v]	241.55	-1.06	0.22	95.0	10.64	1.18	0.51	7.7	11.02	10.31	-0.71	288	11.17	-0.12
07440237-2721456	243.03	-1.71	0.23	106.3	10.96	1.01	0.36	8.6	10.99	9.78	-1.21	309	11.28	-0.34
07483070-2532370[a,v]	241.96	0.07	0.19	58.3	9.77	1.06	0.33	8.0	10.95	9.66	-1.29	242	11.04	-0.15
07492337-3542214	250.83	-4.90	0.41	37.8	10.16	1.07	0.27	6.1	10.41	9.62	-0.80	43	9.42	1.00
07502465-3106347	246.97	-2.39	0.32	92.0	11.15	1.07	0.58	7.7	10.79	9.69	-1.10	185	10.79	-0.04
07533288-2129485	239.06	3.13	0.13	93.2	10.59	0.99	0.31	9.5	11.03	9.84	-1.18	231	11.07	-0.09
07545280-3318173[v]	249.34	-2.70	0.40	39.6	10.57	0.95	0.25	3.4	10.29	9.47	-0.83	163	10.31	-0.02
07561560-3656270	252.61	-4.33	0.44	70.9	10.28	0.97	0.25	5.0	10.91	9.44	-1.47	138	10.34	0.50
08015503-3810213	254.25	-4.02	0.32	118.1	11.19	1.06	0.37	7.4	10.99	10.20	-0.80	191	10.80	0.20
08080066-3558243	253.03	-1.81	0.56	131.4	9.71	-0.00	0.02	12.0	11.68	10.56	-1.11	195	11.03	0.61
08111394-3854530	255.85	-2.88	0.55	75.1	10.56	0.85	0.21	4.3	10.85	9.51	-1.34	330	11.04	-0.25
08213966-3903268	257.10	-1.27	0.66	68.4	11.11	0.89	0.26	3.5	10.55	9.38	-1.17	107	9.97	0.53
08255863-3639240	255.62	0.80	0.26	68.9	10.98	1.05	0.32	5.4	10.61	9.99	-0.62	184	10.63	0.03
16183236-3723459[a,c,v]	342.15	9.24	0.40	62.9	9.36	0.79	0.24	10.2	11.18	8.92	-2.25	115:	10.50	0.58
16254669-3707583[v]	343.36	8.39	0.30	59.7	10.75	1.20	0.34	4.3	10.58	9.46	-1.12	174	10.48	0.05
16463421-3903086[a]	344.68	4.07	0.31	87.9	10.47	0.97	0.23	5.9	11.02	9.52	-1.51	179	10.65	0.30
16470867-3616459[v]	346.88	5.77	0.33	87.7	9.80	0.94	0.32	9.7	11.29	9.88	-1.41	240	11.11	0.11
16490239-3642570[a,v+]	346.79	5.20	0.26	86.9	10.60	1.14	0.31	10.7	10.96	9.76	-1.21	242	11.16	-0.25
16490503-3619500	347.09	5.44	0.37	53.9	11.04	*	0.22	3.9	10.37	9.33	-1.04	136	10.22	0.12
16500224-3712073	346.54	4.73	0.22	105.5	10.34	0.97	0.35	8.6	11.23	10.13	-1.10	135	10.56	0.63
16520999-3550026	347.87	5.27	0.32	86.8	10.27	0.89	0.30	7.4	11.09	9.81	-1.29	149	10.58	0.45
16532065-3532311	348.25	5.27	0.30	83.1	10.45	1.14	0.36	9.7	10.98	10.00	-0.98	183	10.88	0.08
16540803-3534375	348.33	5.12	0.27	85.1	9.85	0.90	0.24	6.6	11.24	9.90	-1.34	132	10.43	0.75
17054244-3329451	351.44	4.52	0.23	82.8	10.10	0.94	0.32	8.0	11.12	9.45	-1.67	38	9.42	1.62
17172214-2650068[v]	358.35	6.38	0.36	83.5	10.47	*	0.24	4.7	10.98	9.69	-1.29	150	10.39	0.53
17184154-2750144[v]	357.69	5.56	0.38	81.9	9.96	*	*	7.0	11.17	9.53	-1.63	221	10.90	0.19
17363878-0637040[e]	18.18	13.35	0.33	104.9	11.14	1.38	0.43	9.7	10.91	9.39	-1.52	108	10.42	0.42
18002449-0401023[a,c,v]	23.43	9.45	0.44	61.0	11.17	0.63	0.10	3.0	10.43	9.89	-0.54	123	10.02	0.49
18100236-0043306	27.52	8.87	0.32	94.6	10.55	0.91	0.35	8.7	11.06	9.51	-1.55	207	10.94	0.04
18243841+0149078[v]	31.49	6.79	0.38	38.5	9.71	0.90	0.23	5.6	10.61	9.06	-1.55	119	10.26	0.27
18333199-0001072	30.87	3.97	0.67	95.5	10.62	*	0.34	12.2	11.04	9.74	-1.30	200	11.06	-0.08
18453085+0501425	36.74	3.61	0.36	84.2	11.06	0.97	0.29	6.5	10.75	9.80	-0.95	182	10.70	0.03
19194212+0721408	42.71	-2.88	0.47	113.1	10.50	1.02	0.32	9.2	11.23	9.97	-1.26	186	10.87	0.30
19255928+2100385[c?]	55.47	2.22	0.62	102.9	10.79	*	0.16	4.5	11.03	9.99	-1.04	195	10.60	0.40
19505731+1822281[a]	56.06	-4.20	0.15	53.9	10.23	0.91	0.27	7.2	10.70	9.80	-0.90	158	10.62	0.06
19521116+3229039	68.34	2.76	0.42	112.3	10.44	0.96	0.38	8.9	11.25	10.08	-1.17	227	11.03	0.17
20084824+4339589[a,c,v]	79.61	5.83	0.39	64.0	10.73	0.87	0.23	6.5	10.64	9.42	-1.23	150	10.53	0.06
20085388+4338070[a,c,v]	79.59	5.80	0.40	62.5	10.39	0.92	0.29	5.4	10.76	9.40	-1.35	206	10.73	-0.03
20125530+4310184	79.60	4.94	0.50	66.5	10.80	0.72	0.16	7.1	10.65	9.40	-1.25	161	10.64	-0.04
20133996+3314015	71.38	-0.66	0.80	98.1	10.35	*	0.25	10.6	11.17	9.80	-1.37	252	11.20	-0.09
20135690+2902036	67.91	-3.03	0.50	59.9	10.26	0.92	0.30	6.6	10.77	9.78	-0.99	110	10.27	0.48

Table A7: continued.

2MASX J	l	b	A_K	D	$K_{\rm s}^{\rm o,d}$	$(J-K_{\rm s})^{\rm o,d}$	$(H-K_{\rm s})^{\rm o,d}$	$r_{K_s}^{\rm o,d}$	$\log(L_{\rm K_c})$	$\log(M_{\rm HI})$	$\log(\frac{M_{\rm HI}}{L_{K_c}})$	$V_{\rm rot}$	$\log(M_{\rm dyn})$	$\log(\frac{M_{\rm bar}}{M_{\rm dyn}})$
	deg	deg	mag	Mpc	mag	mag	mag	kpc	$L_{\odot,K}$	$M_\odot$	$M_\odot/L_{\odot,K}$	$\frac{\rm km}{\rm s}$	$M_\odot$	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
20170253+3150065	70.61	-2.03	0.80	14.7	9.13	0.87	0.27	3.2	10.01	8.78	-1.23	148	10.21	-0.26
20183871+4041003^{v}	78.12	2.67	1.05	56.2	9.38	0.83	0.29	5.8	11.07	9.75	-1.32	195	10.71	0.30
20201209+4039396^{a}	78.26	2.41	0.92	55.5	9.16	1.06	0.38	6.5	11.15	9.71	-1.44	133	10.43	0.65
20214907+4400399^{v}	81.20	4.07	0.41	68.9	10.71	1.10	0.36	5.1	10.72	9.60	-1.12	115	10.19	0.48
20321211+3255568^{c}	73.35	-4.02	0.28	57.7	10.85	0.74	0.16	7.6	10.51	10.07	-0.44	156	10.64	-0.02
20363702+4647294	84.98	3.58	0.93	61.7	10.18	*	0.55	8.6	10.83	9.31	-1.52	133	10.55	0.21
20363825+4546254	84.17	2.96	0.68	66.9	10.14	1.21	0.36	6.7	10.92	9.37	-1.55	199	10.79	0.05
20405419+4550412	84.68	2.42	0.84	68.1	10.72	*	*	7.6	10.70	9.60	-1.11	155	10.63	0.03
20435702+5032583	88.71	4.91	0.44	45.1	10.00	0.83	0.23	6.0	10.63	9.69	-0.94	191	10.71	-0.09
20440241+5043362^{a,c,v}	88.86	5.00	0.44	2.6	10.09	0.94	0.24	0.2	8.11	6.22	-1.89	69:	8.41	-0.39
20441259+4940566	88.05	4.34	0.54	102.7	11.12	1.01	0.23	5.5	10.90	10.04	-0.86	228	10.82	0.07
20470471+4046165	81.39	-1.61	0.61	122.4	11.13	0.84	0.17	9.5	11.05	10.14	-0.90	149	10.69	0.35
20501144+4516514	85.25	0.79	0.68	60.2	10.41	*	0.60	5.0	10.72	9.84	-0.88	138	10.34	0.37
20525943+5311105	91.65	5.47	0.52	40.0	10.97	0.98	0.29	3.1	10.14	8.60	-1.54	70	9.54	0.52
20571736+4738373	87.84	1.38	0.71	44.7	9.13	0.33	0.10	5.7	10.97	9.19	-1.78	116	10.25	0.64
20572285+4808542	88.24	1.69	0.77	75.7	9.45	0.79	0.22	15.0	11.30	9.78	-1.52	204	11.16	0.07
20581676+4615252	86.90	0.34	1.02	66.4	10.45	*	0.07	7.3	10.79	9.59	-1.20	175	10.72	0.02
20590227+4251273	84.42	-1.98	0.55	52.4	10.39	1.23	0.32	6.2	10.61	9.05	-1.55	194	10.73	-0.20
21012083+4624515	87.37	0.05	0.55	44.6	10.98	1.10	0.25	3.1	10.23	9.65	-0.58	120	10.01	0.28
21060821+4500472^{a,c}	86.88	-1.51	0.36	72.1	10.11	1.02	0.28	7.0	11.00	9.88	-1.11	277	11.10	-0.14
21061631+4503203^{a,c}	86.93	-1.50	0.36	71.8	9.84	0.75	0.19	7.2	11.10	10.13	-0.97	346	11.30	-0.23
21063587+4923012	90.17	1.37	0.84	97.6	10.74	0.38	-0.01	10.4	11.01	9.98	-1.03	163	10.81	0.17
21064188+4525375	87.25	-1.31	0.34	68.4	11.16	1.14	0.36	4.3	10.53	9.67	-0.86	176	10.49	0.03
21064324+4741525	88.94	0.22	0.75	50.9	9.99	0.77	0.24	3.3	10.74	8.87	-1.87	62	9.46	1.19
21095816+5437431	94.39	4.53	0.61	82.1	10.96	0.88	0.37	6.1	10.77	9.81	-0.95	233	10.89	-0.14
21104814+4341173	86.47	-3.02	0.26	61.4	10.50	0.93	0.26	4.6	10.70	9.47	-1.23	138	10.31	0.34
21123923+4556037	88.33	-1.72	0.35	46.3	10.75	1.23	0.45	6.9	10.36	9.40	-0.95	150	10.56	-0.22
21132159+4945237^{a}	91.19	0.82	0.78	77.3	10.57	1.02	0.28	7.4	10.87	9.82	-1.05	215	10.90	-0.06
21132528+4956168^{a,c}	91.33	0.94	0.75	78.8	10.82	*	0.49	6.5	10.79	9.87	-0.92	368	11.31	-0.54
21155335+4726430^{d}	89.81	-1.08	0.61	106.9	10.81	0.81	0.33	7.8	11.06	9.88	-1.18	229	10.98	0.03
21172770+4646547	89.52	-1.73	0.58	71.8	11.07	0.71	0.18	2.8	10.61	9.35	-1.26	166	10.26	0.29
21183139+5431287	95.17	3.56	0.60	78.2	9.75	1.07	0.38	10.7	11.21	9.98	-1.23	246	11.18	-0.02
21185980+4401180	87.73	-3.86	0.32	55.4	11.12	0.81	0.26	4.9	10.36	9.43	-0.94	87	9.94	0.41
21195557+4922432	91.66	-0.21	1.11	76.6	10.06	0.85	0.29	8.9	11.07	9.65	-1.42	128	10.53	0.47
21205780+4828155	91.14	-0.97	0.75	102.4	10.94	*	0.41	7.3	10.97	9.67	-1.30	199	10.82	0.08
21241922+4953140	92.52	-0.35	0.72	77.3	10.64	0.49	0.26	10.1	10.84	9.75	-1.09	234	11.11	-0.30
21273041+4525157	89.80	-3.93	0.21	68.1	10.75	0.88	0.17	7.6	10.69	9.47	-1.22	80	10.05	0.59
21281311+5311131	95.25	1.61	0.79	81.0	10.50	0.62	0.21	9.6	10.94	9.81	-1.13	94	10.30	0.60
21304063+5531209	97.12	3.06	0.57	95.5	11.01	*	0.59	11.4	10.88	9.84	-1.04	1058	12.47	-1.62
21310014+4814279	92.17	-2.29	0.32	52.7	9.37	0.95	0.30	8.4	11.02	9.75	-1.27	265	10.57	0.39
21554534+5228186	97.93	-1.66	0.35	81.6	11.01	0.79	0.28	7.4	10.74	9.81	-0.94	178	10.73	-0.01
22202196+5447486	102.25	-1.89	0.20	87.6	10.75	1.14	0.30	10.5	10.91	9.22	-1.69	232	11.12	-0.29
22352646+6048150	107.09	2.19	0.54	47.2	10.18	0.97	0.33	3.7	10.60	9.32	-1.28	160	10.34	0.20
22540054+6728086^{a,v}	112.02	7.12	0.39	55.3	10.17	1.08	0.34	7.5	10.74	9.07	-1.67	77	10.02	0.64

Table A7: continued.

2MASX J	l	b	A_K	D	$K_{\rm s}^{\rm o,d}$	$(J-K_{\rm s})^{\rm o,d}$	$(H-K_{\rm s})^{\rm o,d}$	$r_{K_s}^{\rm o,d}$	$\log(L_{\rm K_c})$	$\log(M_{\rm HI})$	$\log(\frac{M_{\rm HI}}{L_{K_c}})$	$V_{\rm rot}$	$\log(M_{\rm dyn})$	$\log(\frac{M_{\rm bar}}{M_{\rm dyn}})$
	deg	deg	mag	Mpc	mag	mag	mag	kpc	$L_{\odot,K}$	$M_\odot$	$M_\odot/L_{\odot,K}$	$\frac{\rm km}{\rm s}$	$M_\odot$	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
22555131+5622305	107.39	-2.97	0.30	87.0	10.64	0.93	0.20	10.5	10.95	9.29	-1.66	90	10.29	0.57
23103197+6739390^{v}	113.55	6.65	0.47	21.7	*	0.94	0.25	*	*	8.40	*	149	*	*
23553308+6014324	116.05	-1.88	0.51	61.9	11.07	0.50	0.24	4.7	10.48	9.96	-0.52	191	10.60	-0.04
b) marginal HI detections of 2MZOAG galaxies														
00265906+6049388^{a}	119.96	-1.90	0.29	94.0	11.18	1.07	0.32	5.8	10.80	9.39	-1.41	283	11.04	-0.31
01230734+6049177	126.79	-1.81	0.17	76.8	10.65	0.95	0.23	7.5	10.83	9.65	-1.18	223	10.94	-0.15
01281012+6313517^{a}	127.05	0.65	0.51	83.7	9.69	0.90	0.25	13.3	11.29	9.33	-1.96	82	10.32	0.89
01330236+6404589	127.46	1.58	0.50	53.3	11.02	1.37	0.49	2.8	10.37	9.28	-1.09	149	10.16	0.17
02072277+5931285	132.43	-1.94	0.31	59.9	11.13	0.90	0.30	6.2	10.43	9.00	-1.43	80	9.96	0.39
05012594+4526430	161.45	2.10	0.36	85.5	10.76	0.96	0.27	6.5	10.88	9.27	-1.61	159	10.58	0.23
05295184+3835341	170.09	2.41	0.40	91.5	10.84	1.05	0.36	4.7	10.91	9.09	-1.82	207	10.67	0.16
08142154-3819354	255.70	-2.04	0.52	39.1	9.08	0.94	0.29	6.5	10.88	9.11	-1.76	273	11.05	-0.26
08243293-3637484	255.44	0.58	0.29	71.5	10.81	0.97	0.33	6.7	10.71	9.23	-1.48	97	10.17	0.47
21022141+6804366^{e,d}	104.04	14.08	1.11	50.7	10.88	0.53	0.18	3.2	10.38	9.31	-1.07	246	10.66	-0.31
c) clear HI detections of other galaxies														
(0253216+553602)^{s,a,c}	139.61	-3.27	0.38	54.1	*	*	*	*	*	9.54	*	*	*	*
(0319587+664959)^{s,a}	136.81	8.05	0.33	40.7	*	*	*	*	*	9.64	*	*	*	*
04580771+3533503^{s,a}	168.85	-4.50	0.30	84.3	11.53	0.92	0.25	6.3	10.56	10.00	-0.56	182	10.69	-0.05
(0724484-242441)^{s,a}	238.35	-4.06	0.51	63.0	*	*	*	*	*	9.47	*	*	*	*
15394772-3454550^{s,a,e,v}	337.87	16.30	0.29	69.0	9.97	0.77	0.20	7.6	11.01	9.74	-1.27	120	10.41	0.55
(1618262-373604)^{s,a}	341.99	9.11	0.43	59.6	*	*	*	*	*	9.67	*	*	*	*
d) marginal HI detections of other galaxies														
03390698+6620429^{s,a,c}	138.67	8.74	0.37	79.3	12.08	0.22	0.71	6.6	10.29	9.88	-0.42	162	10.60	-0.19
04481569+3435012^{s,a,c}	168.33	-6.68	0.47	78.0	12.26	0.86	0.14	3.8	10.20	9.57	-0.63	57	9.47	0.79
(0658452+063640)^{s,a}	207.87	4.63	0.08	81.1	*	*	*	*	*	9.01	*	*	*	*

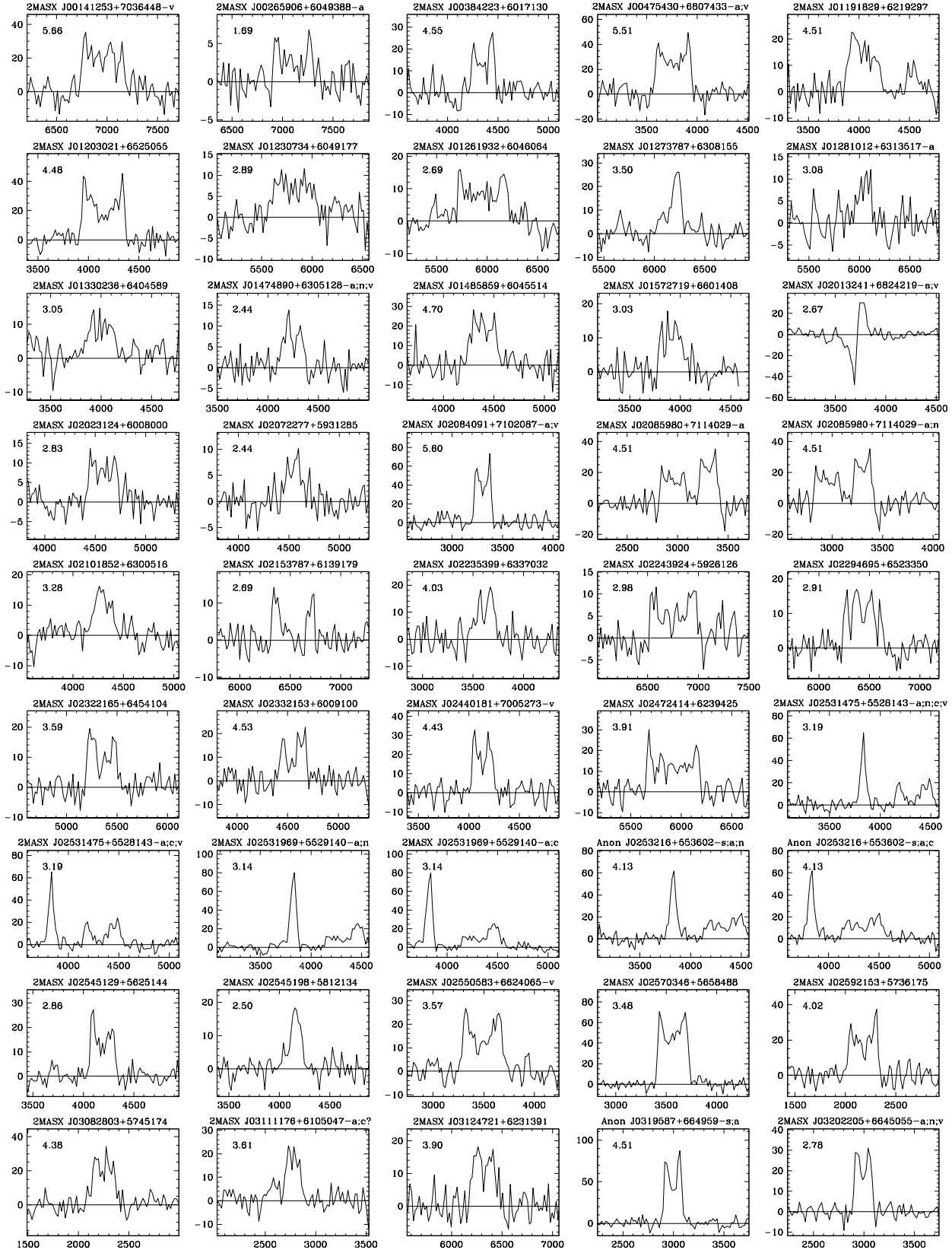

Figure A1. Nançay 21cm H I line spectra of detected galaxies (see Tables A1 and A2). Velocity resolution is 18 km s^{-1}.

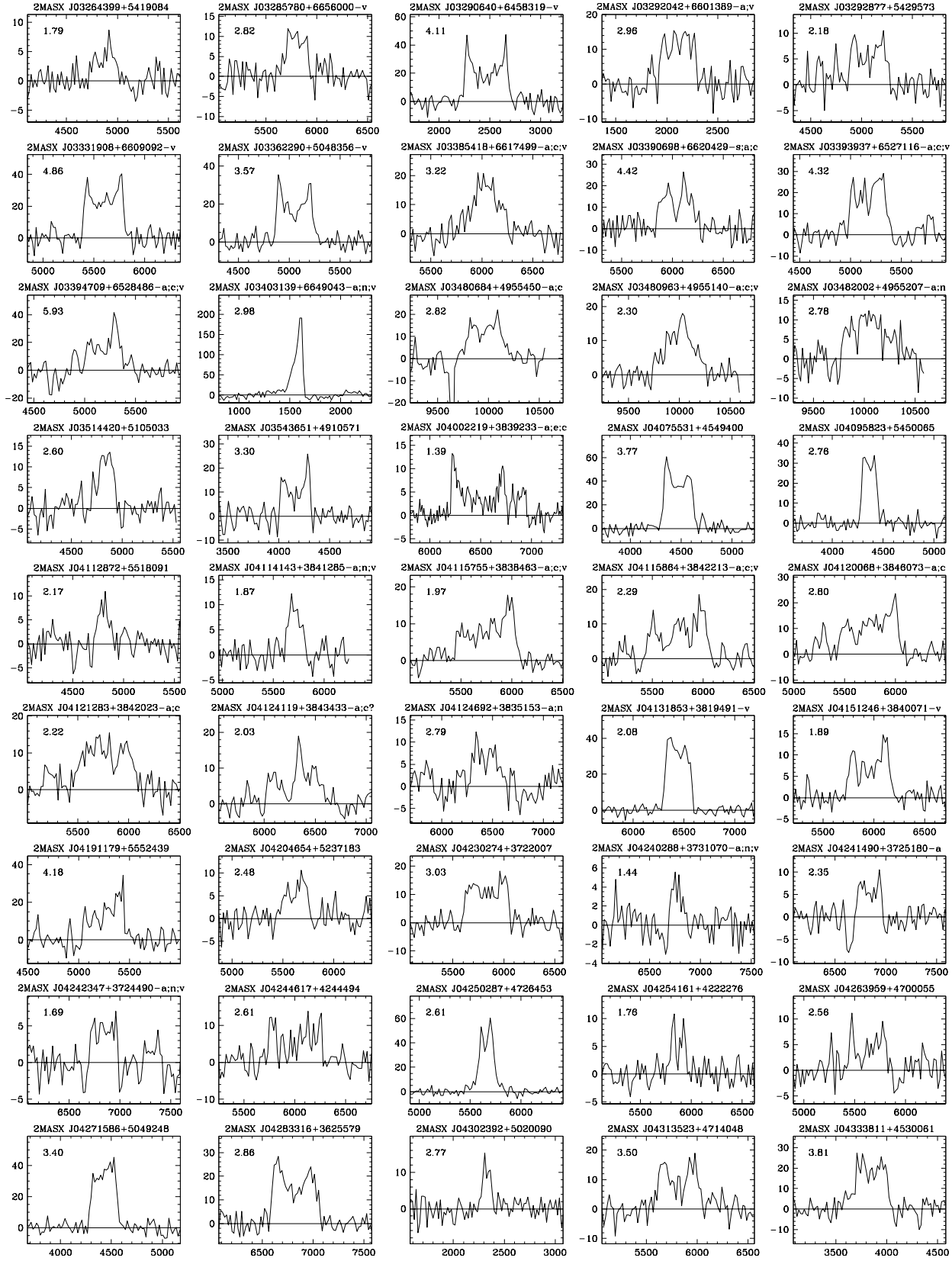

Figure A1. – *continued.*

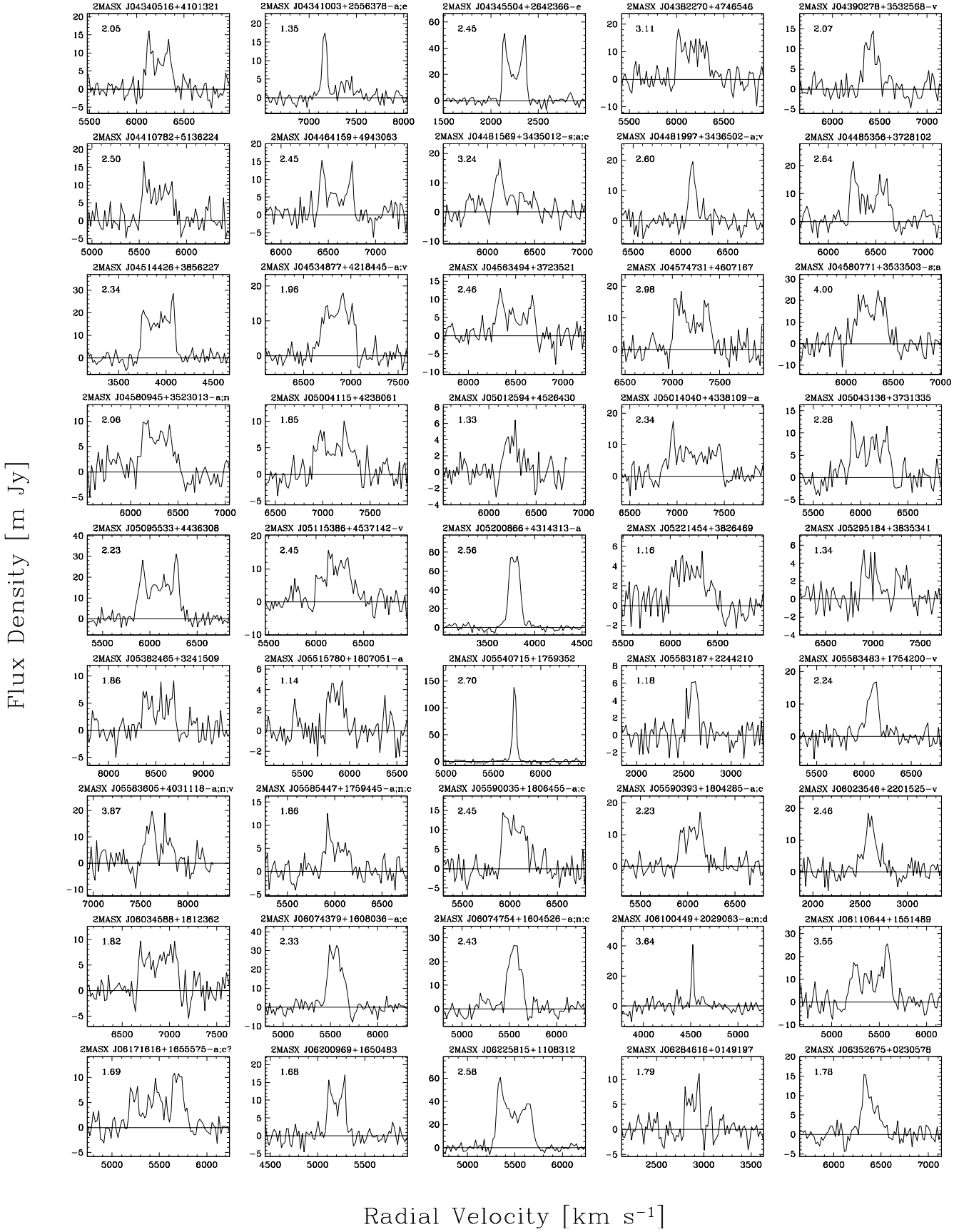

Figure A1. – *continued.*

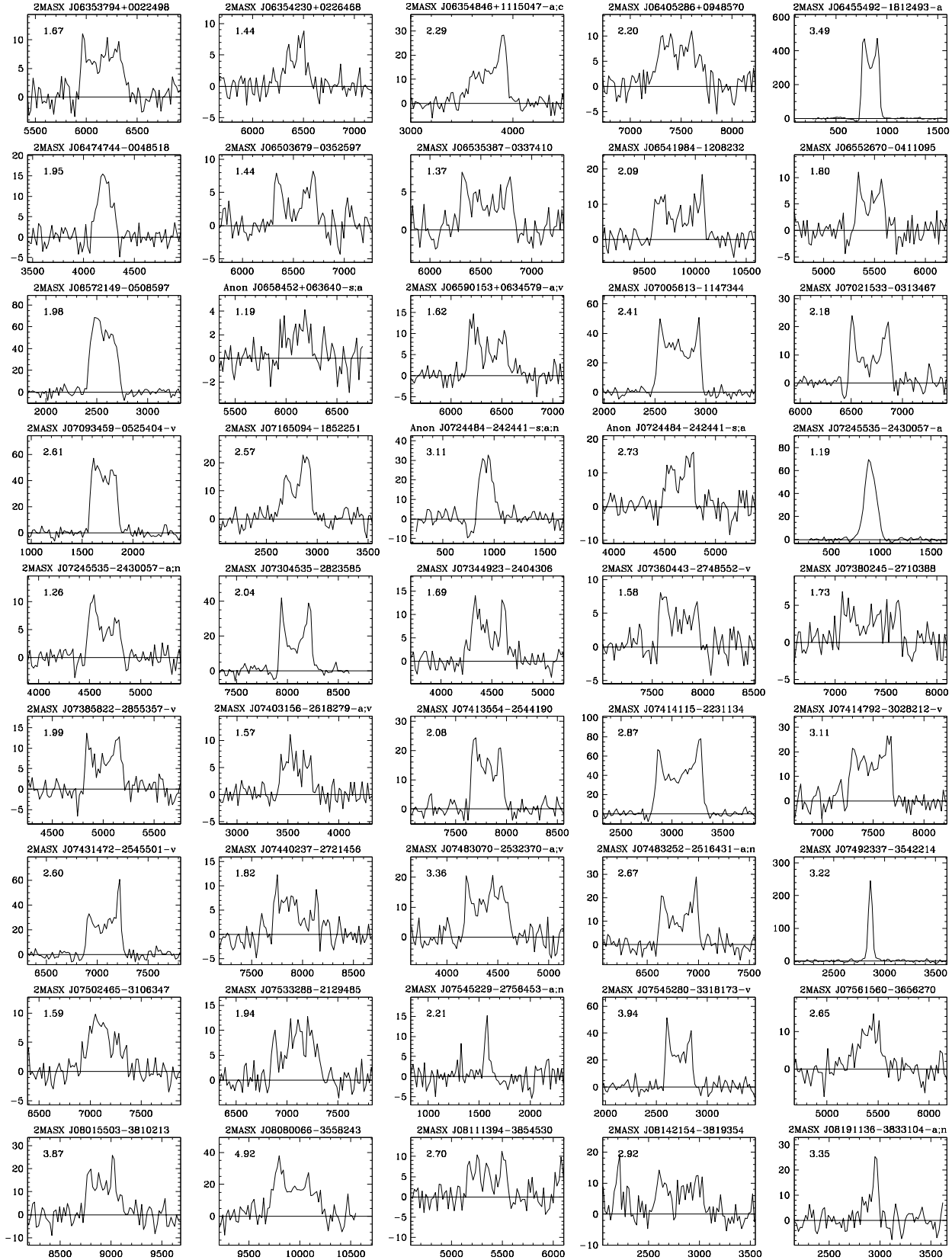

Figure A1. – *continued.*

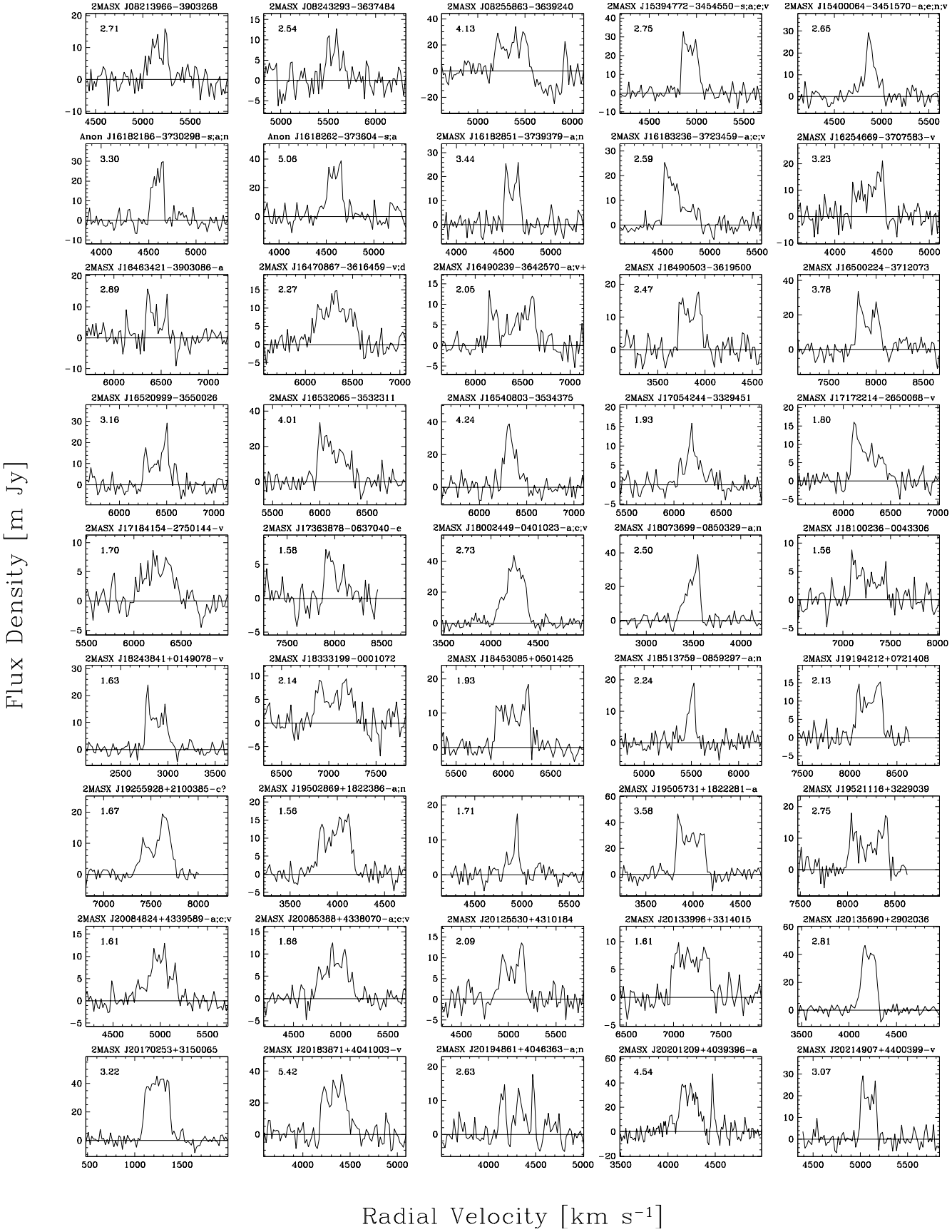

Figure A1. – *continued.*

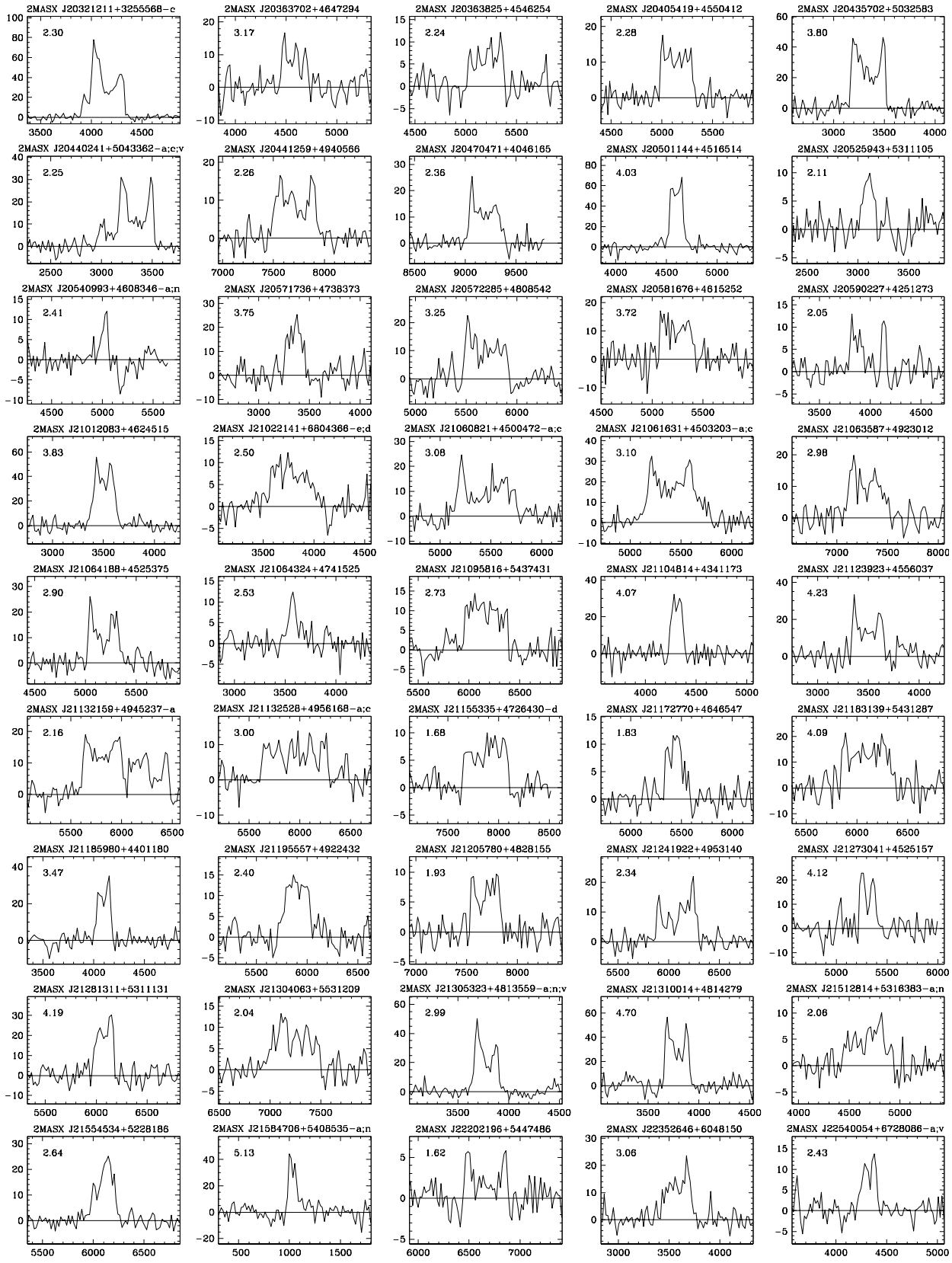

Figure A1. – *continued.*

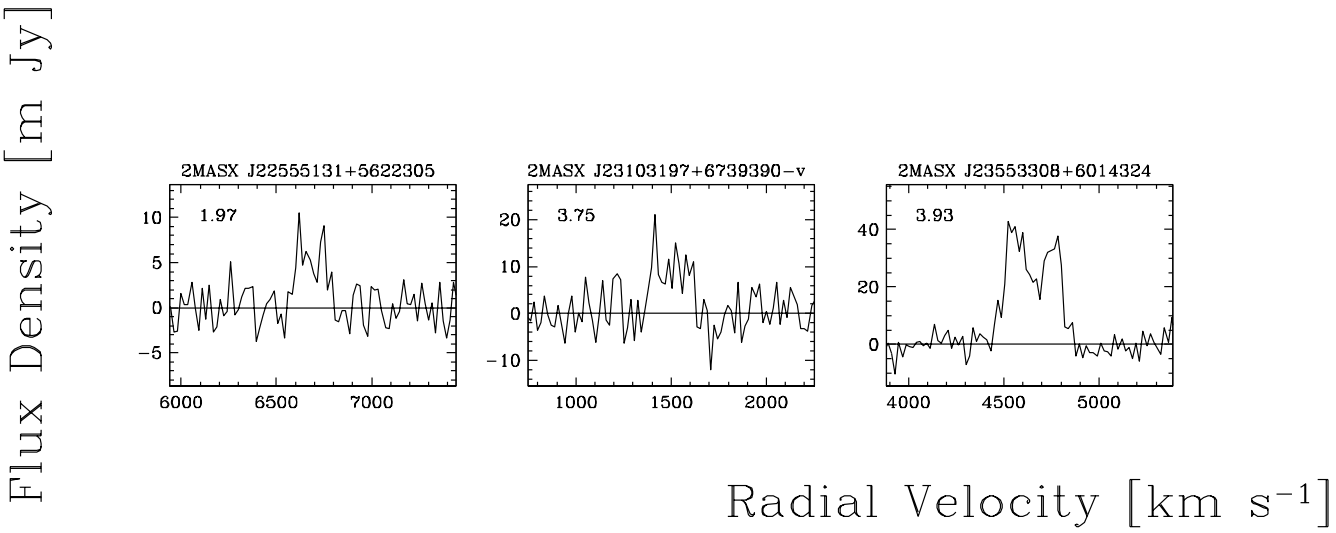

Figure A1. – *continued.*