**Table 1. a.** List of new dwarf galaxy candidates found in the SERC EJ zone

| kksg | R.A. (1950.0) | Dec. | $a$ | $b$ | Type | S.B. | $B_t$ | Ref.(B) | $A_b$ | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | h m s | ° ′ ″ | arc | min | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1 | 00 23 38.5 | −11 19 50 | 5.0 | 4.3 | Sph | VL | | | 0.12 | Cetus dw, LG member |
| 2 | 00 37 44.6 | −18 06 04 | 0.9 | 0.6 | Sph/Ir | L | | | 0.08 | |
| 3 | 01 32 16.7 | −07 36 38 | 0.6 | 0.4 | Ir | L | 17.4 | IK | 0.14 | NGC 615 5' NE |
| 4 | 02 39 19.2 | −08 36 54 | 1.2 | 1.1 | Sph | L | | | 0.10 | in NGC 1052 gr.? |
| 5 | 02 47 03.0 | −13 25 06 | 1.0 | 0.5 | Ir | L | | | 0.12 | |
| 6 | 04 27 59.2 | −14 18 56 | 0.9 | 0.4 | Ir | L | 17.7 | IK | 0.64 | |
| 7 | 05 57 02.8 | −13 05 28 | 0.8 | 0.2 | Ir | L | 17.7 | IK | 2.20 | |
| 8 | 06 42 15.2 | −17 52 51 | 1.8 | 0.3 | Ir | H | 15.13 | NED | 1.79 | |
| 9 | 06 44 44.3 | −17 53 10 | 0.5 | 0.35 | Epec | H | 17.2 | IK | 1.91 | NGC2283 22'S |
| 10 | 07 10 28.9 | −07 44 12 | 1.0 | 0.25 | Ir | L | 18.5 | IK | 3.38 | |
| 11 | 07 28 41.0 | −00 52 04 | 0.7 | 0.4 | Ir | L | | | 0.47 | |
| 12 | 08 51 05.8 | −17 47 42 | 0.5 | 0.4 | Ir | L | 17.4 | IK | 0.80 | |
| 13 | 09 33 05.4 | −16 06 34 | 1.2 | 0.2 | Ir | VL | 18.2 | IK | 0.24 | |
| 14 | 09 37 55.0 | −03 39 30 | 1.1 | 1.0 | Ir | L | 16.6 | IK | 0.23 | |
| 15 | 09 52 40.9 | −06 02 00 | 1.3 | 0.3 | Ir? | H | 15.14 | NED | 0.18 | comp. N 3115 ? |
| 16 | 09 57 18.2 | −09 06 39 | 0.9 | 0.7 | Ir? | VL | | | 0.31 | comp. N 3115 ? |
| 17 | 09 59 09.4 | −08 00 27 | 1.4 | 0.25 | Ir | H | 15.5 | NED | 0.26 | comp. N 3115 ? |
| 18 | 10 03 12.3 | −07 44 16 | 1.7 | 1.4 | S0pec | H | 13.84 | NED | 0.23 | |
| 19 | 10 22 00.5 | −12 10 43 | 0.7 | 0.6 | Ir | L | 17.9 | IK | 0.30 | |
| 20 | 11 02 06.3 | +00 19 40 | 0.4 | 0.4 | Ir/Sph | L | | | 0.16 | comp. N 3521? |
| 21 | 11 03 01.7 | −01 35 36 | 1.7 | 0.8 | Ir | L | 17.3 | IK | 0.24 | UGC6145, comp. N3521? |
| 22 | 11 03 34.5 | −01 10 36 | 0.5 | 0.4 | Ir? | L | | | 0.20 | comp. N 3521 ? |
| 23 | 11 03 42.2 | −14 08 04 | 3.5 | 1.2 | Ir | L | 15.8 | IK | 0.23 | |
| 24 | 11 11 20.3 | −03 15 31 | 0.5 | 0.4 | Ir | L | 17.4 | IK | 0.25 | |
| 25 | 11 42 45.5 | −16 59 46 | 1.2 | 0.7 | Ir | VL | 18.2 | IK | 0.17 | |
| 26 | 11 51 18.3 | −14 44 51 | 1.8 | 1.1 | Ir | VL | 17.8 | IK | 0.17 | |
| 27 | 12 19 30.9 | −09 31 23 | 0.8 | 0.3 | Ir | L | 17.7 | IK | 0.19 | |
| 28 | 12 21 22.0 | −14 40 34 | 1.2 | 1.0 | Ir | EL | 18.6 | IK | 0.25 | |
| 29 | 12 34 38.4 | −10 13 21 | 1.4 | 0.6 | Ir | L | | | 0.12 | comp. N 4594? |
| 30 | 12 35 00.5 | −08 35 32 | 1.0 | 0.5 | Ir | L | 17.3 | IK | 0.14 | comp. N 4594? |
| 31 | 12 35 58.0 | −10 12 56 | 0.8 | 0.7 | Sph | VL | | | 0.13 | comp. N 4594 ? |
| 32 | 12 37 18.3 | −11 28 35 | 0.6 | 0.5 | Sph | EL | | | 0.21 | comp. N 4594 ? |
| 33 | 12 37 32.7 | −12 05 25 | 0.4 | 0.4 | Sph | VL | | | 0.20 | comp. N 4594 ? |
| 34 | 12 38 42.7 | −11 39 12 | 0.8 | 0.7 | Sph | VL | | | 0.23 | comp. N 4594 ? |
| 35 | 12 39 58.6 | −14 40 02 | 0.4 | 0.4 | Ir | EL | | | 0.22 | |
| 36 | 12 44 02.8 | −03 48 10 | 0.9 | 0.65 | Ir | L | 17.4 | IK | 0.10 | |
| 37 | 12 45 24.2 | −12 23 00 | 0.6 | 0.5 | Sph? | VL | 18.7 | IK | 0.22 | |
| 38 | 12 50 56.6 | −05 39 25 | 1.2 | 0.5 | Ir | L | 17.0 | IK | 0.15 | |
| 39 | 12 51 06.5 | −05 48 46 | 0.8 | 0.6 | Sph | EL | 18.5 | IK | 0.17 | |
| 40 | 12 57 15.7 | −13 51 04 | 1.0 | 0.6 | Ir | VL | | | 0.20 | |
| 41 | 13 03 07.6 | −07 29 29 | 1.4 | 1.1 | Ir | L | | | 0.20 | comp. N 4948? |
| 42 | 13 03 42.7 | −07 49 31 | 1.2 | 0.9 | Ir | VL | | | 0.20 | comp. N 4948 ? |
| 43 | 13 06 39.6 | −17 05 55 | 0.7 | 0.5 | Ir? | EL | | | 0.31 | |
| 44 | 13 30 23.5 | −12 00 20 | 0.5 | 0.3 | Ir | L | | | 0.26 | |
| 45 | 14 11 06.0 | −01 57 12 | 0.6 | 0.4 | Sph? | L | 17.5 | IK | 0.29 | |

| kksg | R.A. (1950.0) Dec. | | $a$ | $b$ | Type | S.B. | $B_t$ | Ref.(B) | $A_b$ | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | h m s | ° ′ ″ | arc | min | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 46 | 14 25 47.0 | −08 41 55 | 0.5 | 0.5 | Ir | L | | | 0.25 | |
| 47 | 14 32 38.5 | −16 56 43 | 1.8 | 0.9 | Ir | L | 17.7 | IK | 0.33 | |
| 48 | 16 03 02.4 | −04 26 16 | 1.3 | 1.0 | Ir | L | 18.2 | IK | 1.19 | |
| 49 | 16 40 45.7 | −07 58 00 | 1.1 | 0.4 | Ir | L | | | 1.72 | |
| 50 | 17 39 00.1 | −04 35 59 | 1.3 | 0.5 | Ir | L | | | 3.08 | |
| 51 | 02 31 28.0 | −06 34 44 | 0.8 | 0.4 | Ir | L | 15.4 | IK | 0.11 | |
| 52 | 02 46 50.9 | −02 51 43 | 0.9 | 0.5 | Ir/SB | L | 16.9 | IK | 0.22 | |
| 53 | 04 06 39.3 | −08 45 28 | 1.0 | 0.6 | Ir/S | L | 17.3 | IK | 0.23 | |
| 54 | 05 39 36.7 | −12 35 09 | 1.0 | 0.4 | Ir/Sm | L | 15.4 | IK | 0.73 | |
| 55 | 05 47 55.8 | −10 18 45 | 2.0 | 0.9 | SB/Ir | L | 17.4 | IK | 3.57 | |
| 56 | 05 49 44.0 | −11 09 05 | 0.9 | 0.8 | Sph/Ir | VL | 15.5 | NED | 2.90 | pair w.No55 |
| 57 | 08 41 04.4 | −17 12 15 | 1.8 | 0.5 | Ir | L | 16.1 | IK | 0.32 | |
| 58 | 10 50 29.1 | +02 45 33 | 1.5 | 0.5 | Ir | L | 17.4 | NED | 0.16 | CGCG08-043 at 8.8’ |
| 59 | 11 10 13.9 | −00 17 39 | 0.5 | 0.4 | Ir | L | 17.8 | NED | 0.17 | |
| 60 | 12 20 35.1 | −13 40 05 | 1.4 | 0.9 | Ir | L | 16.2 | IK | 0.21 | |
| 61 | 12 42 18.7 | −08 51 15 | 4.0 | 1.8 | Sm | L | 15.1 | IK | 0.16 | UGCA295 |
| 62 | 12 56 29.6 | −11 57 31 | 1.2 | 0.8 | Ir | L | 16.6 | IK | 0.18 | |
| 63 | 13 23 43.5 | +02 43 06 | 0.8 | 0.4 | Ir | L | 16.8 | NED | 0.10 | |
| 64 | 13 25 39.4 | +02 32 20 | 0.8 | 0.45 | Ir | L | 16.3 | NED | 0.12 | |
| 65 | 14 11 47.0 | −02 47 59 | 0.8 | 0.25 | Ir | L | 15.8 | NED | 0.30 | |
| 66 | 14 31 20.7 | +01 42 14 | 1.0 | 0.2 | Ir | L | 17.4 | NED | 0.20 | |
| 67 | 20 06 41.4 | −06 26 05 | 2.2 | 1.4 | S | L | 15.3 | IK | 0.34 | |

**Table 1. b.** List of new dwarf galaxy candidates found in the southern sky

| kks | R.A. (1950.0) Dec. | | $a$ | $b$ | Type | S.B. | $B_t$ | Ref.(B) | $A_b$ | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | h m s | ° ′ ″ | arc | min | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1 | 02 12 45.1 | −32 26 31 | 0.80 | 0.70 | Ir | LV | 18.0: | IK | 0.09 | |
| 2 | 02 23 38.7 | −19 55 07 | 1.30 | 0.60 | Ir | L | 16.23 | NED | 0.14 | |
| 3 | 02 24 23.1 | −73 44 16 | 2.50 | 1.00 | Sph? | VL | 16.0: | IK | 0.22 | |
| 4 | 03 12 06.1 | −66 27 22 | 2.0: | 1.0: | Ir | EL | 17.8: | IK | 0.14 | comp. to NGC 1313 |
| 5 | 03 12 12.4 | −38 10 42 | 1.20 | 0.70 | Sph | L | 17.18 | NED | 0.07 | |
| 6 | 03 13 47.5 | −66 34 32 | 3.2: | 1.4: | Ir | EL | 17.0: | IK | 0.24 | comp. to NGC 1313 |
| 7 | 03 15 28.0 | −25 05 30 | 1.20 | 0.60 | Ir | L | 17.2 | IK | 0.05 | |
| 8 | 03 19 37.2 | −42 10 40 | 1.10 | 0.90 | Ir | L | 16.37 | NED | 0.05 | |
| 9 | 03 33 36.1 | −51 37 11 | 1.3: | 1.0: | Ir | VL | 16.24 | NED | 0.06 | |
| 10 | 03 37 33.1 | −31 57 12 | 1.20 | 0.70 | Ir | L | 16.9 | IK | 0.04 | |
| 11 | 03 40 08.9 | −22 54 54 | 1.90 | 1.40 | S | VL | 14.92 | NED | 0.08 | projected on E482-36 |
| 12 | 03 41 49.2 | −25 04 48 | 1.0: | 0.7: | Ir | L | 17.49 | NED | 0.06 | |
| 13 | 03 47 12.8 | −48 34 18 | 1.10 | 0.80 | Ir | L | 16.39 | NED | 0.04 | |
| 14 | 05 26 23.6 | −63 36 16 | 0.70 | 0.55 | Ir | EL | 17.8 | IK | 0.22 | near NGC 1947 |
| 15 | 05 26 45.5 | −63 16 41 | 1.70 | 0.80 | Ir? | VL | 16.81 | NED | 0.24 | near NGC 1947 |
| 16 | 05 30 10.8 | −17 43 54 | 0.70 | 0.40 | Ir | L | 17.8 | IK | 0.32 | |
| 17 | 05 32 13.0 | −61 57 49 | 0.95 | 0.65 | Ir | VL | 17.4 | IK | 0.26 | |
| 18 | 06 03 55.2 | −33 04 33 | 3.5: | 2.5: | Ir? | L | 13.58 | NED | 0.19 | |
| 19 | 06 15 06.3 | −57 42 27 | 1.40 | 1.00 | Ir | L | 15.85 | NED | 0.17 | ESO 121-G020 |
| 20 | 07 01 21.5 | −44 59 30 | 1.10 | 0.50 | Ir | L | 16.19 | NED | 0.41 | |
| 21 | 07 14 52.7 | −40 00 21 | 1.30 | 0.40 | Ir | L | 16.32 | NED | 1.17 | |
| 22 | 07 31 04.6 | −35 22 50 | 1.20 | 0.80 | Ir | VL | 16.7 | IK | 1.94 | |
| 23 | 07 42 13.9 | −45 01 45 | 0.90 | 0.90 | Sph? | EL | 17.5 | IK | 1.49 | |
| 24 | 07 50 14.8 | −55 19 22 | 1.10 | 0.90 | Ir | L | 17.3 | IK | 0.89 | |
| 25 | 07 54 33.4 | −26 07 03 | 0.50 | 0.40 | Ir | VL | 17.7 | IK | 1.45 | |
| 26 | 07 55 43.5 | −26 44 00 | 0.80 | 0.35 | Ir | VL | 18.0 | IK | 2.67 | |
| 27 | 08 44 39.8 | −21 36 43 | 0.80 | 0.60 | Ir | L | 17.4 | IK | 0.74 | |
| 28 | 08 52 39.5 | −32 37 34 | 1.20 | 0.50 | Ir | VL | 17.42 | NED | 1.36 | |
| 29 | 09 08 51.2 | −63 41 27 | 0.75 | 0.45 | Ir | VL | 17.5 | IK | 0.89 | |
| 30 | 09 20 51.7 | −19 57 10 | 0.60 | 0.40 | Im | H | 15.53 | NED | 0.27 | |
| 31 | 09 30 38.2 | −33 01 20 | 1.3: | 0.7: | Ir | L | 16.4 | IK | 0.58 | |
| 32 | 09 32 24.3 | −74 01 55 | 0.80 | 0.60 | Ir | VL | 16.69 | NED | 0.48 | |
| 33 | 09 53 30.2 | −67 50 06 | 0.70 | 0.50 | Sph? | L | 17.2 | IK | 0.80 | |
| 34 | 10 03 11.4 | −31 47 17 | 0.80 | 0.40 | Ir | L | 17.5 | IK | 0.45 | |
| 35 | 10 05 32.0 | −64 07 16 | 1.00 | 0.90 | Ir? | VL | 14.3 | NED | 0.93 | |
| 36 | 10 28 25.0 | −46 00 51 | 1.60 | 1.20 | Sph? | L | 14.86 | NED | 0.77 | |
| 37 | 10 29 18.9 | −21 59 33 | 1.20 | 0.60 | Ir | L | 16.44 | NED | 0.28 | |
| 38 | 10 43 38.3 | −44 25 04 | 0.80 | 0.40 | Ir | L | 16.8 | IK | 0.77 | |
| 39 | 10 53 00.6 | −47 26 12 | 1.10 | 0.80 | Ir | VL | 17.5 | IK | 0.93 | |
| 40 | 10 55 16.8 | −47 54 40 | 2.00 | 1.20 | Ir? | VL | 16.03 | NED | 0.95 | |
| 41 | 11 17 39.2 | −68 48 49 | 0.90 | 0.60 | Ir | VL | 18.0 | IK | 1.20 | |
| 42 | 11 24 11.0 | −72 20 19 | 1.00 | 0.60 | Ir? | VL | 17.8 | IK | 1.46 | |
| 43 | 11 32 51.7 | −41 16 14 | 0.70 | 0.50 | Ir? | VL | 17.9 | IK | 0.35 | |
| 44 | 11 35 25.2 | −38 56 37 | 1.40 | 0.90 | Ir | H | 15.85 | NED | 0.61 | |
| 45 | 11 37 59.9 | −46 55 44 | 0.60 | 0.50 | Ir | VL | 18.2 | IK | 0.71 | |

| kks | R.A. (1950.0) | Dec. | $a$ | $b$ | Type | S.B. | $B_t$ | Ref.(B) | $A_b$ | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | h m s | ° ′ ″ | arc | min | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 46 | 11 40 02.3 | −25 38 08 | 0.80 | 0.70 | Ir | L | 16.60 | NED | 0.20 | |
| 47 | 11 54 57.6 | −27 50 45 | 1.30 | 1.10 | Ir/Sph | VL | 17.5 | IK | 0.32 | conf. E440-35 |
| 48 | 12 03 01.0 | −43 29 30 | 1.30 | 0.90 | Ir | L | 17.20 | NED | 0.53 | |
| 49 | 12 05 02.6 | −30 54 58 | 0.80 | 0.60 | Ir/Sph | L | 17.25 | NED | 0.28 | |
| 50 | 12 06 55.1 | −30 05 07 | 0.60 | 0.45 | Sph? | L | 18.0 | IK | 0.25 | |
| 51 | 12 41 36.2 | −42 39 58 | 0.90 | 0.40 | E/Sph | L | 16.7 | IK | 0.38 | |
| 52 | 12 55 13.5 | −45 32 31 | 1.60 | 1.10 | Ir/Sm | VL | 16.4 | IK | 0.38 | |
| 53 | 13 08 24.3 | −38 38 26 | 0.80 | 0.70 | Sph | VL | 17.3 | IK | 0.38 | |
| 54 | 13 18 44.5 | −31 37 29 | 1.10 | 0.75 | Ir? | EL | 17.6 | IK | 0.29 | |
| 55 | 13 19 17.8 | −42 28 00 | 0.80 | 0.70 | Sph | EL | 18.5 | IK | 0.63 | Centaurus. gr. |
| 56 | 13 32 56.1 | −56 16 46 | 1.10 | 0.95 | Ir? | L | 16.7 | IK | 3.02 | |
| 57 | 13 38 38.5 | −42 19 47 | 0.80 | 0.70 | Sph | EL | 18.1 | IK | 0.39 | Centaurus gr.? |
| 58 | 13 43 05.7 | −36 04 41 | 1.00 | 0.70 | Sph? | VL | 17.1 | IK | 0.27 | |
| 59 | 13 44 43.9 | −53 06 08 | 3.00 | 1.30 | Ir | L | 14.2 | NED | 2.13 | |
| 60 | 13 50 42.2 | −61 59 18 | 1.70 | 1.20 | RN? | L | 17.1 | IK | 77.92 | |
| 61 | 15 05 56.6 | −67 45 15 | 1.50 | 0.60 | Ir | L | 18.0 | IK | 0.79 | |
| 62 | 15 40 49.7 | −27 55 07 | 1.00 | 0.50 | Ir | L | 18.1 | IK | 0.90 | |
| 63 | 15 56 42.3 | −31 08 45 | 2.5: | 1.5: | Ir? | EL | 16.0 | IK | 0.94 | |
| 64 | 16 06 01.7 | −65 37 14 | 0.90 | 0.75 | Ir? | L | 16.9 | IK | 0.56 | |
| 65 | 16 44 08.9 | −27 05 17 | 0.80 | 0.60 | S? | L | 17.5 | IK | 1.24 | |
| 66 | 16 49 29.1 | −59 00 29 | 1.50 | 0.70 | Ir | VL | 16.7 | IK | 0.58 | comp. to NGC 6221? |
| 67 | 17 00 38.2 | −18 48 14 | 0.70 | 0.70 | Ir | VL | 17.7 | IK | 1.40 | |
| 68 | 18 18 05.8 | −62 17 42 | 1.00 | 0.55 | Ir | L | 16.59 | NED | 0.34 | |
| 69 | 18 46 22.8 | −64 04 02 | 0.40 | 0.30 | Ir | L | 18.09 | NED | 0.37 | comp. to NGC 6744? |
| 70 | 19 02 12.3 | −64 02 28 | 0.55 | 0.50 | Ir? | L | 17.7 | IK | 0.20 | comp. to NGC 6744? |
| 71 | 19 04 00.6 | −63 48 41 | 2.70 | 0.70 | Ir | L | 15.10 | NED | 0.19 | comp. to NGC 6744 |
| 72 | 19 07 40.0 | −63 56 21 | 0.60 | 0.45 | Ir | VL | 17.9 | IK | 0.17 | comp. to NGC 6744? |
| 73 | 19 17 20.4 | −60 46 41 | 1.20 | 1.00 | Ir | L | 16.9 | IK | 0.23 | |
| 74 | 19 23 16.9 | −61 06 43 | 0.90 | 0.45 | Ir | VL | 17.6 | IK | 0.34 | |
| 75 | 20 17 21.2 | −22 03 48 | 0.50 | 0.45 | Ir | L | 18.2 | IK | 0.34 | |
| 76 | 20 39 57.8 | −61 26 52 | 0.80 | 0.70 | Ir | L | 17.11 | NED | 0.23 | |
| 77 | 20 49 44.9 | −39 06 43 | 0.80 | 0.30 | Ir | L | 17.8 | IK | 0.24 | |
| 78 | 21 50 30.9 | −26 48 54 | 1.10 | 0.50 | Ir | L | 16.25 | NED | 0.15 | |
| 79 | 22 04 02.0 | −46 39 31 | 0.9: | 0.7: | Sph? | L | 17.5 | IK | 0.06 | |
| 80 | 22 12 51.8 | −59 46 48 | 0.90 | 0.70 | Ir | L | 17.4 | IK | 0.11 | |
| 81 | 22 44 29.4 | −19 06 33 | 1.10 | 0.60 | Ir | L | 16.47 | NED | 0.14 | |

**Table 1. c.** List of new dwarf galaxy candidates from the kk list

| kk | R.A. (1950.0) Dec. | | $a$ | $b$ | Type | S.B. | $B_t$ | Ref.(B) | $A_b$ | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | h m s | ° ′ ″ | arc | min | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 11 | 01 06 03.4 | −38 28 35 | 0.9 | 0.4 | Im | H | | | | K3,AM0106-382 distant? |
| 47 | 05 27 49.0 | −87 37 36 | 1.0 | 0.45 | Im | L | 17.78 | NED | 0.652 | AM 0528-873 |
| 63 | 07 37 20.0 | −69 13 38 | 1.5 | 0.9 | Sph | VL | | | | FG219,AM0737-691 |
| 87 | 10 12 37.6 | −44 36 08 | 1.2 | 1.0 | Sm? | H | 13.49 | NED | 0.902 | AM 1012-443 |
| 88 | 10 13 57.4 | −39 44 23 | 0.9 | 0.5 | Ir | VL | 16.7 | IK | 0.592 | AM 1013-394 |
| 179 | 13 00 40.5 | −46 19 07 | 1.2: | 0.9: | Sph | L | | | | FG367,AM1300-461 |
| 272 | 13 03 33.1 | −49 33 38 | 1.6 | 0.6 | Ir | L | 17.83 | NED | 0.822 | ESO 219-G027 |
| 184 | 13 06 15.0 | −50 44 46 | 1.9 | 0.4 | Ir | H | | | | AM1305-501 distant? |
| 189 | 13 09 53.2 | −41 34 01 | 1.0 | 0.6 | Sph? | VL | | | | EL in R |
| 190 | 13 10 14.6 | −44 37 28 | 2.7 | 1.7 | Sph | L | | | | FG373,AM1310-443 |
| 197 | 13 19 06.8 | −42 16 20 | 1.5 | 1.1 | Sph | VL | | | | near NGC5128 |
| 203 | 13 24 29.6 | −45 05 36 | 0.5 | 0.5 | Ir/Sph | L | | | | AM1324-450 |
| 211 | 13 39 03.4 | −44 57 11 | 1.2 | 1.1 | Sph? | L | | | | AM1339-445 |
| 213 | 13 40 34.6 | −43 31 04 | 0.6 | 0.3 | Sph? | VL | | | | EL in R |
| 214 | 13 40 44.0 | −45 29 41 | 0.75 | 0.4 | Ir | L | | | | AM1340-453 distant? |
| 217 | 13 43 13.4 | −45 26 06 | 1.0 | 0.9 | Sph | L | | | | AM1343-452 |
| 221 | 13 45 40.5 | −46 44 54 | 1.5: | 1.0: | Sph | EL | | | | near br.star |
| 222 | 13 46 04.9 | −47 57 21 | 0.5 | 0.4 | Ir/Sph | L | | | | AM1346-475 |
| 226 | 13 53 01.2 | −45 24 47 | 1.1 | 0.7 | Ir | L | 15.73 | NED | 0.311 | |
| 235 | 15 03 11.2 | −39 42 36 | 0.8 | 0.6 | Ir | L | | | | FG438 distant? |
| 239 | 15 25 33.2 | −42 36 36 | 1.9 | 0.7 | Ir | L | 15.06 | NED | 0.621 | FG444 |
| 244 | 19 09 20.3 | −61 59 57 | 0.45 | 0.45 | Sph? | L | 17.0: | IK | 0.239 | AM1909-615 |
| 248 | 20 22 46.0 | −71 34 23 | 0.8 | 0.4 | Ir | L | 15.87 | NED | 0.208 | FG499 distant? |
| 256 | 22 09 04.6 | −43 25 29 | 0.6 | 0.5 | Im | L | 16.89 | NED | 0.053 | AM 2209-432 |
| 260 | 23 11 46.9 | −43 52 39 | 4.5 | 1.8 | Ir | VL | 15.0: | IK | 0.049 | |

**Table 2. a.** The HI line data for new dwarf galaxies found in the SERC EJ zone

| kksg | HI-flux | $S_{max}$ | $V_h$ | line width | $V_{LG}$ | $M^0_{Bt}$ | $M_{HI}/L_B$ | $M_{dyn}/L_B$ | Comments |
|---|---|---|---|---|---|---|---|---|---|
| No. | Jy km s$^{-1}$ | mJy | km s$^{-1}$ | km s$^{-1}$ | km s$^{-1}$ | | $M_\odot/L_\odot$ | $M_\odot/L_\odot$ | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | | ±10 | | | | | | | |
| 2 | | ±6 | | | | | | | |
| 3 | 14.1 | 61±11 | 1841±3 | 371 380 383 | 1922 | −14.78 | 17.1: | 99.6: | conf. by NGC615 |
| 4 | | ±4 | | | | | | | |
| 5 | | ±4 | | | | | | | |
| 6 | 1.2 | 35±8 | 2236±2 | 44 55 62 | 2135 | −15.21 | 1.21 | 1.6 | |
| 7 | 3.8 | 72±7 | 960±3 | 49 67 76 | 790 | −14.61 | 0.91 | 1.1 | |
| 8 | 12.5 | 108±8 | 785±2 | 118 152 155 | 568 | −16.06 | 0.41 | 2.8 | |
| 9 | 25.9 | 161±6 | 696±1 | 187 205 207 | 477 | −13.73 | 5.13: | 13.8: | conf. by NGC2283 |
| 10 | 3.9 | 48±6 | 2445±2 | 93 143 154 | 2245 | −17.26 | 0.66 | 1.2 | |
| 11 | | ±4 | | | | − | | | |
| 12 | 2.6 | 44±7 | 1830±3 | 51 78 96 | 1560 | −14.99 | 1.72 | 1.1 | |
| 13 | 6.9 | 36±6 | 90±1 | 18 25 27 | −180 | | | | |
| 14 | 3.5 | 75±7 | 1454±2 | 52 65 68 | 1225 | −14.70 | 1.87 | 2.5 | |
| 15 | 2.7 | 52±5 | 791±3 | 54 76 77 | 554 | −14.38 | 0.39 | 1.9 | |
| 16 | | ±5 | | | | | | | |
| 17 | 1.5 | 59±7 | 446±3 | 35 51 54 | 202 | −11.91 | 0.28 | 3.1 | |
| 18 | 0.6 | 39±7 | 134±3 | 36 39 40 | −108 | | | | |
| 19 | 3.5 | 112±6 | 628±2 | 31 44 46 | 373 | −10.88 | 5.82 | 5.7 | |
| 20 | | ±6 | | | | | | | |
| 21 | 2.8 | 52±8 | 744±2 | 56 60 61 | 537 | −12.21 | 2.83 | 19.1 | |
| 22 | | ±6 | | | | | | | |
| 23 | 11.9 | 157±5 | 1041±1 | 78 92 95 | 790 | −14.51 | 3.05 | 13.2 | |
| 24 | 3.6 | 38±7 | 3833±2 | 77 115 116 | 3623 | −16.27 | 3.96 | 1.7 | |
| 25 | 1.0 | 48±5 | 1226±2 | 25 33 35 | 982 | −12.56 | 2.47 | 3.6 | |
| 26 | 1.5 | 65±7 | 1732±2 | 20 34 37 | 1499 | −13.87 | 2.56 | 1.6 | |
| 27 | 2.2 | 104±4 | 1328±1 | 20 28 30 | 1128 | −13.38 | 3.37 | 0.8 | |
| 28 | 2.7 | 67±7 | 1416±3 | 37 52 56 | 1199 | −12.67 | 8.96 | 8.7 | |
| 29 | | ±0 | | | | | | | |
| 30 | 1.0 | 36±6 | 1105±2 | 36 43 45 | 917 | −13.28 | 1.11 | 3.0 | |
| 31 | | ±6 | | | | | | | |
| 32 | | ±9 | | | | | | | |
| 33 | | ±6 | | | | | | | |
| 34 | | ±8 | | | | | | | |
| 35 | | ±6 | | | | | | | |
| 36 | 1.2 | 37±5 | 1275±2 | 43 50 52 | 1111 | −13.55 | 1.51 | 3.6 | |
| 37 | 1.3 | 53±7 | 84±2 | 22 30 32 | −110 | | | | |
| 38 | 0.9 | 35±7 | 1071±4 | 44 50 52 | 905 | −13.56 | 0.75 | 4.1 | |
| 39 | 1.1 | 60±6 | 1470±3 | 16 31 37 | 1303 | −12.87 | 3.58 | 1.0 | |
| 40 | | ±8 | | | | | | | |
| 41 | | ±6 | | | | | | | |
| 42 | | ±9 | | | | | | | |
| 43 | | ±10 | | | | | | | |
| 44 | | ±6 | | | | | | | |
| 45 | 0.8 | 25±8 | 1446±4 | 40 55 56 | 1357 | −1408 | 0.93 | 1.6 | |

| kksg | HI-flux | $S_{max}$ | $V_h$ | line width | $V_{LG}$ | $M^0_{BT}$ | $M_{HI}/L_B$ | $M_{dyn}/L_B$ | Comments |
|---|---|---|---|---|---|---|---|---|---|
| No. | Jy km s$^{-1}$ | mJy | km s$^{-1}$ | km s$^{-1}$ | km s$^{-1}$ | | $M_\odot/L_\odot$ | $M_\odot/L_\odot$ | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 46 | | ±9 | | | | | | | |
| 47 | 9.8 | 114±13 | 1574±2 | 100 114 116 | 1447 | −14.06 | 13.19 | 31.9 | |
| 48 | 6.5 | 95±8 | 1611±1 | 82 87 89 | 1615 | −14.66 | 6.28 | 10.0 | |
| 49 | | ±7 | | | | | | | |
| 50 | | ±9 | | | | | | | |
| 51 | 3.0 | 75±7 | 1410±2 | 33 64 66 | 1446 | −16.14 | 0.59 | 0.2 | |
| 52 | 12.6 | 146±5 | 1090±1 | 88 101 104 | 1127 | −14.20 | 8.98 | 8.4 | |
| 53 | 4.9 | 86±8 | 894±2 | 63 71 79 | 834 | −13.16 | 5.0 | 9.3 | |
| 54 | 3.2 | 42±5 | 2243±2 | 85 135 136 | 2088 | −17.58 | 0.36 | 0.7 | |
| 55 | 51.7 | 386±8 | 900±1 | 172 185 188 | 746 | −16.16 | 2.67 | 7.8 | |
| 56 | 5.1 | 82±8 | 906±3 | 70 87 91 | 748 | −13.39 | 0.08 | 0.2 | |
| 57 | 9.1 | 95±9 | 2021±2 | 85 142 144 | 1754 | −16.06 | 2.83 | 4.2 | |
| 58 | 6.6 | 121±8 | 1052±2 | 77 88 91 | 859 | −13.05 | 7.88: | 23.6: | conf. |
| 59 | 1.1 | 14±4 | 8517±6 | 90 102 104 | 8318 | −17.59 | 1.88 | 1.6 | |
| 60 | 4.3 | 66±6 | 1156±3 | 69 86 90 | 942 | −14.50 | 1.62 | 5.1 | |
| 61 | 12.9 | 147±5 | 1381±2 | 106 118 121 | 1197 | −16.08 | 1.85 | 10.3 | |
| 62 | 18.2 | 277±12 | 1309±1 | 62 99 108 | 1124 | −14.46 | 10.21 | 4.4 | |
| 63 | 2.0 | 39±8 | 1028±3 | 51 67 72 | 919 | −13.74 | 1.45 | 3.1 | |
| 64 | 3.2 | 83±7 | 1021±2 | 37 52 54 | 913 | −14.25 | 1.44 | 1.0 | |
| 65 | 4.6 | 39±10 | 1902±3 | 60 150 162 | 1811 | −16.41 | 1.11 | 0.7 | |
| 66 | 3.0 | 45±6 | 1832±3 | 71 82 84 | 1776 | −14.67 | 3.45 | 6.2 | |
| 67 | 22.1 | 338±9 | 1424±1 | 77 87 90 | 1594 | −16.68 | 3.23 | 2.3 | |

**Table 2. b.** The HI line data for new dwarf galaxies in the southern sky

| kks | HI-flux | $S_{max}$ | $V_h$ | line width | $V_{LG}$ | $M^0_{BT}$ | $M_{HI}/L_B$ | $M_{dyn}/L_B$ | Comments |
|---|---|---|---|---|---|---|---|---|---|
| No. | Jy km s$^{-1}$ | mJy | km s$^{-1}$ | km s$^{-1}$ | km s$^{-1}$ | | $M_\odot/L_\odot$ | $M_\odot/L_\odot$ | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | | ±10 | | | | | | | |
| 2 | 5.09 | 92±6 | 2286±2 | 67 79 83 | 2272 | −16.32 | 2.11 | 2.0 | 100-m RT |
| | 3.9 | 60 | 2293 | 65 | | | | | |
| 3 | | | | | | | | | |
| 4 | | ±4 | | | | | | | |
| 5 | | ±4 | | | | | | | |
| 6 | | | | | | | | | |
| 7 | 1.9 | 68±8 | 1949±2 | 33 45 48 | 1871 | −14.84 | 2.09 | 1.5 | 100-m RT |
| | 1.5 | 40 | 1945 | 39 | | | | | |
| 8 | | | | | | | | | |
| 9 | 2.6 | 68±6 | 1031 | 39 | 852 | −14.09 | 1.17 | 2.0 | |
| 10 | | ±6 | | | | | | | |
| 11 | 3.6 | 39±5 | 1567±5 | 122 133 136 | 1476 | −16.64 | 0.47 | 4.8 | 100-m RT |
| | 2.6 | 45 | 1538 | 65 | | | | | |
| 12 | 0.9 | 31±6 | 1381±3 | 30 38 39 | 1281 | −13.73 | 1.28 | 1.9 | 100-m RT |
| 13 | 1.6 | 52±6 | 1478±1 | 26 | 1299 | −14.85 | 0.84 | 0.6 | |
| 14 | | ±7 | | | | | | | |
| 15 | 2.5 | 54±5 | 1164±3 | 51 | 913 | −13.85 | 1.62 | 6.0 | |
| 16 | 2.04 | 52±5 | 3421±2 | 42 51 52 | 3256 | −15.71 | 3.04 | 1.1 | 100-m RT |
| 17 | | ±7 | | | | | | | |
| 18 | 13.7 | 222±7 | 787±3 | 65 | 554 | −15.95 | 0.47 | 1.8 | |
| 19 | 9.4 | 146±6 | 575±2 | 63 | 307 | −12.38 | 2.66 | 9.8 | |
| 20 | 3.1 | 79±6 | 1071 | 52 | 790 | −14.34 | 0.96 | 2.2 | |
| 21 | 9.7 | 83±8 | 1391±2 | 132 | 1109 | −15.70 | 1.69 | 6.8 | |
| 22 | 11.7 | 20±6 | 1394 | 59 | 1112 | −16.10 | 1.42 | 0.9 | |
| 23 | 3.6 | 61±5 | 1052±1 | 65 | 765 | −14.01 | 1.38 | 3.7 | |
| 24 | 5.8 | 124±7 | 1119±2 | 39 | 820 | −13.78 | 3.22 | 2.2 | |
| 25 | 0.7 | 67±5 | 241±2 | 26 27 30 | -34 | | | | 100-m RT |
| 26 | 4.4 | 68±10 | 967±2 | 62 82 84 | 690 | −14.49 | 0.90 | 1.7 | 100-m RT |
| 27 | 4.4 | 49±4 | 4641±1 | 92 | 4362 | −17.16 | 3.08 | 2.1 | |
| 28 | 3.2 | 48±7 | 1310±3 | 79 | 1008 | −14.59 | 1.28 | 5.7 | |
| 29 | | ±0 | | | | | | | |
| 30 | 1.8 | 54±9 | 829±3 | 31 51 53 | 549 | −14.06 | 0.35 | 0.4 | 100-m RT |
| | 1.6 | 37 | 827 | 35 | | | | | |
| 31 | 4.1 | 63±6 | 853 | 65 | 547 | −13.49 | 1.32 | 6.2 | |
| 32 | | ±9 | | | | | | | |
| 33 | | ±6 | | | | | | | |
| 34 | 2.1 | 74±8 | 1974 | 28 | 1670 | −14.69 | 2.10 | 0.7 | |
| 35 | | ±6 | | | | | | | |
| 36 | | ±5 | | | | | | | |
| 37 | 2.5 | 56±7 | 990±3 | 44 66 68 | 709 | −13.71 | 1.11 | 2.8 | 100-m RT |
| | 2.0 | 48 | 1006 | 30 | | | | | |
| 38 | | ±7 | | | | | | | |
| 39 | | ±6 | | | | | | | |
| 40 | 72.2 | 1270±8 | 594 | 51 | 286 | −12.83 | 11.77 | 5.7 | |

| kks | HI-flux | $S_{max}$ | $V_h$ | line width | $V_{LG}$ | $M_B$ | $M_{HI}/L_B$ | $M/L_B$ | Comments |
|---|---|---|---|---|---|---|---|---|---|
| No. | Jy km s$^{-1}$ | mJy | km s$^{-1}$ | km s$^{-1}$ | km s$^{-1}$ | | $M_\odot/L_\odot$ | $M_\odot/L_\odot$ | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 41 | 6.1 | 90±6 | 1332 | 65 | 1045 | −13.92 | 4.86 | 5.5 | |
| 42 | 10.9 | 66±9 | 2030 | 23 | 1750 | −15.50 | 5.67 | 0.3 | |
| 43 | | ±10 | | | | | | | |
| 44 | 2.6 | 81±6 | 654 | 20 | 362 | −13.18 | 0.49 | 0.6 | |
| 45 | | ±8 | | | | | | | |
| 46 | | ±9 | | | | | | | |
| 47 | 1.8 | 64±13 | 2125±2 | 18: | 1859 | −14.79 | 2.03: | 0.5: | conf. E440-35 |
| 48 | 3.5 | 45±8 | 3018±1 | 105: | 2732 | −16.14 | 2.46 | 7.0 | |
| 49 | | ±7 | | | | | | | |
| 50 | 5.2 | 184±9 | 150±1.5 | 23 39 42 | -115 | | | | 100-m RT |
| 51 | | ±7 | | | | | | | |
| 52 | 3.9 | 59±5 | 2079±1 | 63 | 1814 | −15.90 | 1.51 | 2.6 | |
| 53 | | ±8 | | | | | | | |
| 54 | | ±5 | | | | | | | |
| 55 | | ±8 | | | | | | | |
| 56 | 11.6 | 61±8 | 4058±3 | 194 | 3802 | −19.85 | 0.52 | 0.9 | |
| 57 | | ±9 | | | | | | | |
| 58 | | ±8 | | | | | | | |
| 59 | 48.2 | 68±4 | 694±6 | 59 | 446 | −16.80 | 0.49 | 0.5 | |
| 60 | | ±6 | | | | | | | |
| 61 | | ±5 | | | | | | | |
| 62 | | ±12 | | | | | | | |
| 63 | | ±8 | | | | | | | |
| 64 | 5.8 | 66±7 | 3530±2 | 112 | 3329 | −16.90 | 3.02 | 3.4 | |
| 65 | | ±10 | | | | | | | |
| 66 | 28.2 | 1320±6 | 1559±3 | 218 | 1393 | −15.30 | 11.21: | 38.8: | conf. by NGC6221 |
| 67 | | ±9 | | | | | | | |
| 68 | 4.6 | 84 | 951 | 46 | 809 | −13.92 | 2.20 | 2.4 | |
| 69 | | | | | | | | | |
| 70 | | | | | | | | | conf. by NGC6744 |
| 71 | | | | | | | | | conf. by NGC6744 |
| 72 | | | | | | | | | conf. by NGC6744 |
| 73 | | | | | | | | | |
| 74 | | | | | | | | | |
| 75 | | | | | | | | | |
| 76 | | | | | | | | | |
| 77 | | | | | | | | | |
| 78 | 4.8 | 77±9 | 1772±1.5 | 82 107 109 | 1858 | −15.87 | 2.01 | 3.2 | 100-m RT |
| | 3.0 | 39 | 1751 | 104: | | | | | |
| 79 | | | | | | | | | |
| 80 | | | | | | | | | |
| 81 | | | | | | | | | |

**Table 2. c.** The HI line data for new dwarf galaxies from the kk list (HIPASS data)

| kk | HI-flux | $S_{max}$ | $V_h$ | line width | $V_{LG}$ | $M_B$ | $M_{HI}/L_B$ | $M/L_B$ | Comments |
|---|---|---|---|---|---|---|---|---|---|
| No. | Jy km s$^{-1}$ | mJy | km s$^{-1}$ | km s$^{-1}$ | km s$^{-1}$ | | $M_\odot/L_\odot$ | $M_\odot/L_\odot$ | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | | | | | | | | | |
| 47 | 2.0 | 48±7 | 1774±8 | 33 | 1538 | −14.43 | 2.15 | 1.5 | |
| 63 | | | | | | | | | |
| 87 | 5.9 | 80±7 | 1118±8 | 65 | 804 | −17.56 | 0.10 | 0.2 | |
| 88 | 4.8 | 75±7 | 3004±8 | 61 | 2692 | −16.67 | 2.02 | 1.0 | |
| 179 | | | | | | | | | |
| 272 | 7.5 | 90±7 | 1281±8 | 85 | 1017 | −13.65 | 7.23 | 20.9 | |
| 184 | | | | | | | | | |
| 189 | | | | | | | | | |
| 190 | | | | | | | | | |
| 197 | | | | | | | | | |
| 203 | | | | | | | | | |
| 211 | | | | | | | | | |
| 213 | | | | | | | | | |
| 214 | | | | | | | | | |
| 217 | | | | | | | | | |
| 221 | | | | | | | | | |
| 222 | | | | | | | | | |
| 226 | 4.6 | 86±7 | 2534±8 | 60 | 2301 | −17.02 | 1.03 | 0.7 | |
| 235 | | | | | | | | | |
| 239 | 18.4 | 152±7 | 1331±8 | 146 | 1164 | −16.52 | 1.66 | 6.0 | |
| 244 | 8.6 | 138± | 946±9 | 66 | 821 | −13.44 | 6.60: | 3.5: | confused by IC4831 |
| 248 | 3.8 | 66± | 4227±11 | 53 | 4070 | −18.01 | 1.06 | 0.3 | |
| 256 | 2.4 | 53±7 | 2199±8 | 40 | 2194 | −15.49 | 1.98 | 0.7 | |
| 260 | 4.4 | 110±7 | 1598±8 | 40 | 1579 | −16.67 | 0.64 | 1.3 | |

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