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CO Multi-line Imaging of Nearby Galaxies (COMING) IV. Overview of the Project

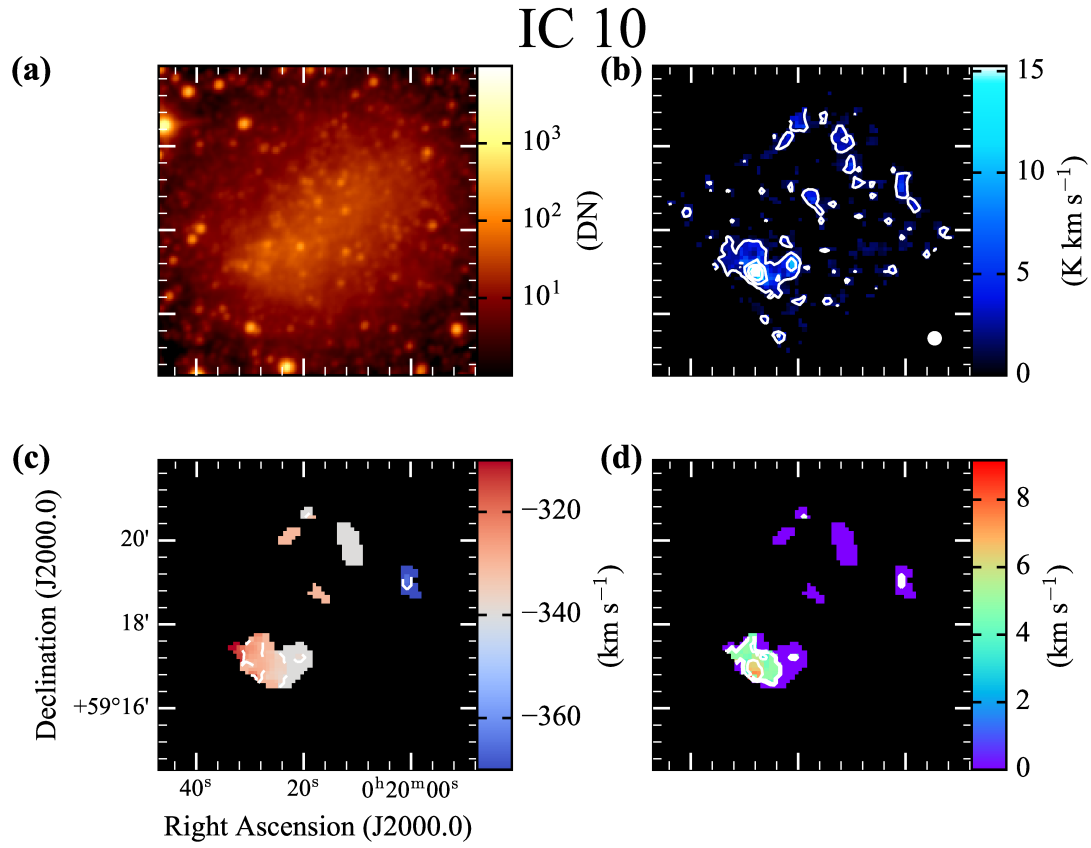
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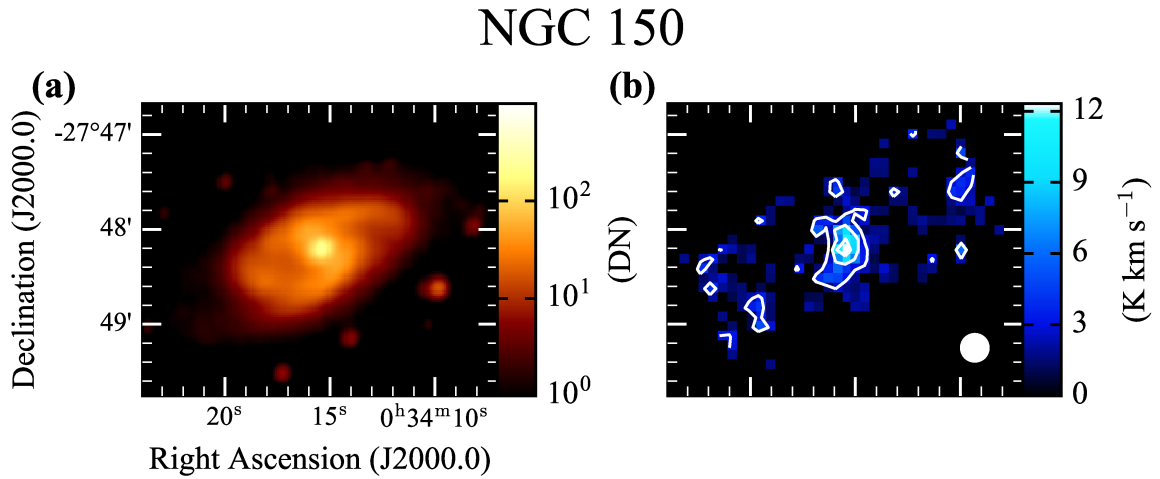
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Supplementary data

Supplementary figures 1 – 134 show the background-subtracted infrared image in WISE $3.4\mu\text{m}$ (a), integrated intensity map (b), first-degree moment map (c), and second-degree moment map (d) of ^{12}CO ($J = 1 - 0$), (e) integrated intensity map of ^{13}CO ($J = 1 - 0$), and (f) integrated intensity map of C^{18}O ($J = 1 - 0$) of all the observed galaxies. Panels (c) and (d) were not presented in 17 figures (for 19 galaxies), as described in subsection 6.1. Panel (e) is presented in 52 figures (for 54 galaxies), while panel (f) is only presented in three figures (for three galaxies), as also discussed in subsection 6.1. The observation beam size is shown in the bottom right or left corner of panels (b), (e), and (f). The white contours overlaid on panels (b), (e), and (f) depict the integrated intensity of ^{12}CO ($J = 1 - 0$). The magenta contours overlaid on panels (e) and (f) are the integrated intensity of ^{13}CO ($J = 1 - 0$) and C^{18}O ($J = 1 - 0$), respectively. The contours levels are indicated in each figure caption. The galaxies are shown in the order listed in table 1.

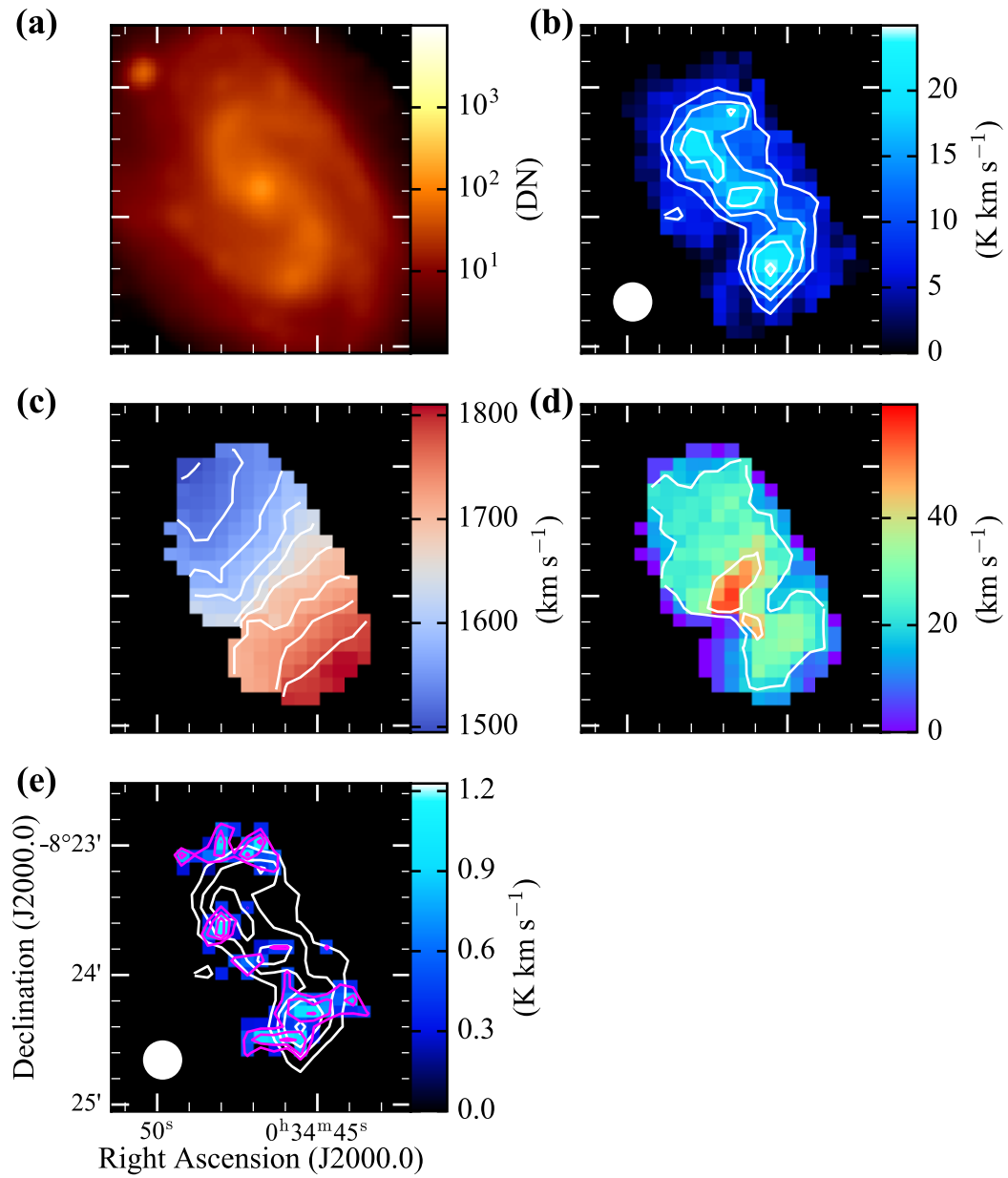


Supplementary fig. 1. Same as figure 12, but for IC 10. The contours are plotted at 10 %, 35 %, 60 %, and 85 % of the maximum intensity of $20.12 \text{ K km s}^{-1}$ in (b) and in steps of 10 km s^{-1} in (c) and in steps of 2 km s^{-1} in (d).



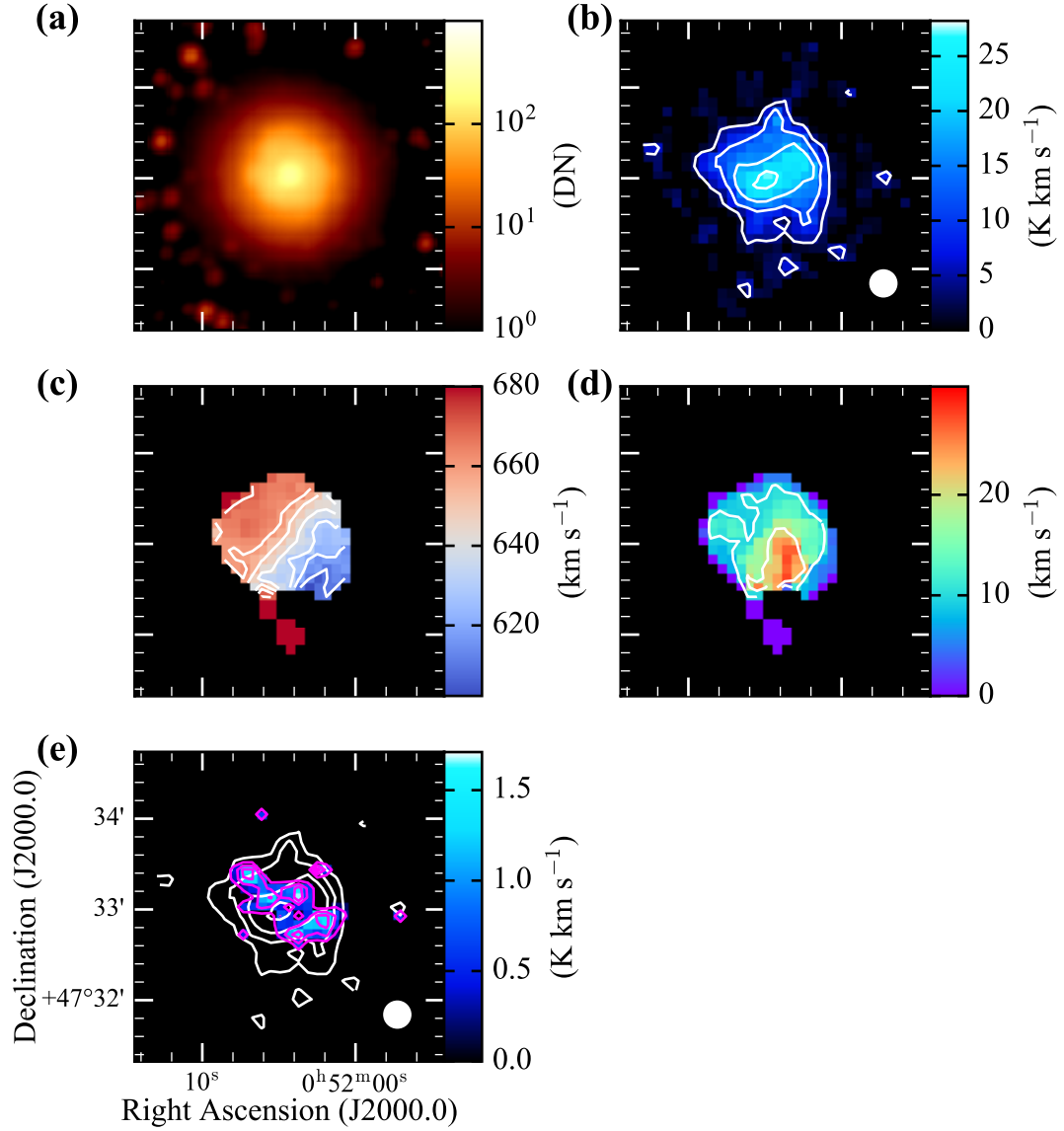
Supplementary fig. 2. Same as figure 12, but for NGC 150. The contours are plotted at 20 %, 50 %, and 80 % of the maximum intensity of $13.79 \text{ K km s}^{-1}$ in (b). First- and second-degree moment maps are not presented, since no significant emission is detected after masking (see subsection 6.1).

NGC 157



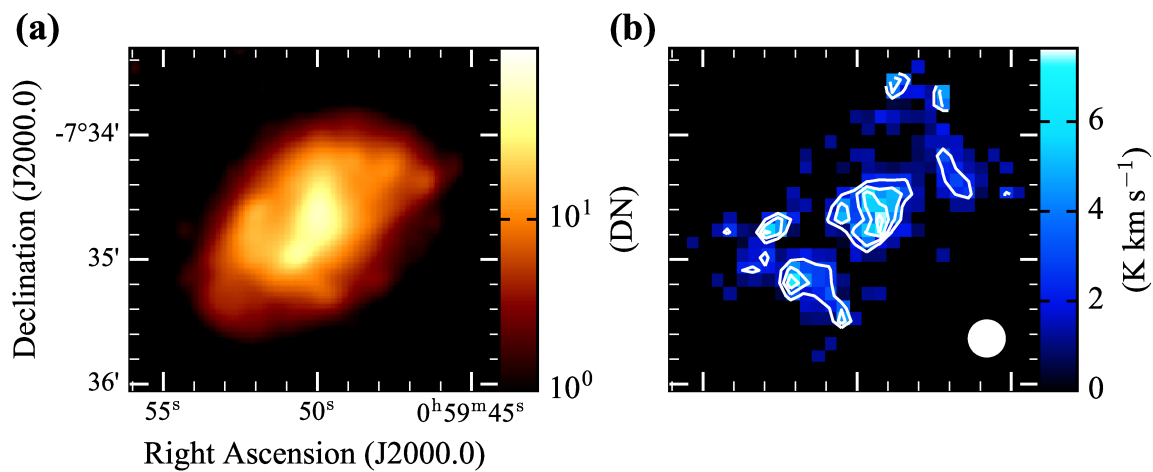
Supplementary fig. 3. Same as figure 12, but for NGC 157 and the OTF beam size is indicated as a white filled circle in the bottom left corner in panel (b). The contours are plotted at 35%, 55%, 75%, and 95% of the maximum intensity of $24.13 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 35 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and 35%, 60%, and 85% of the maximum intensity of 1.13 K km s^{-1} in (e) (*magenta*).

NGC 278



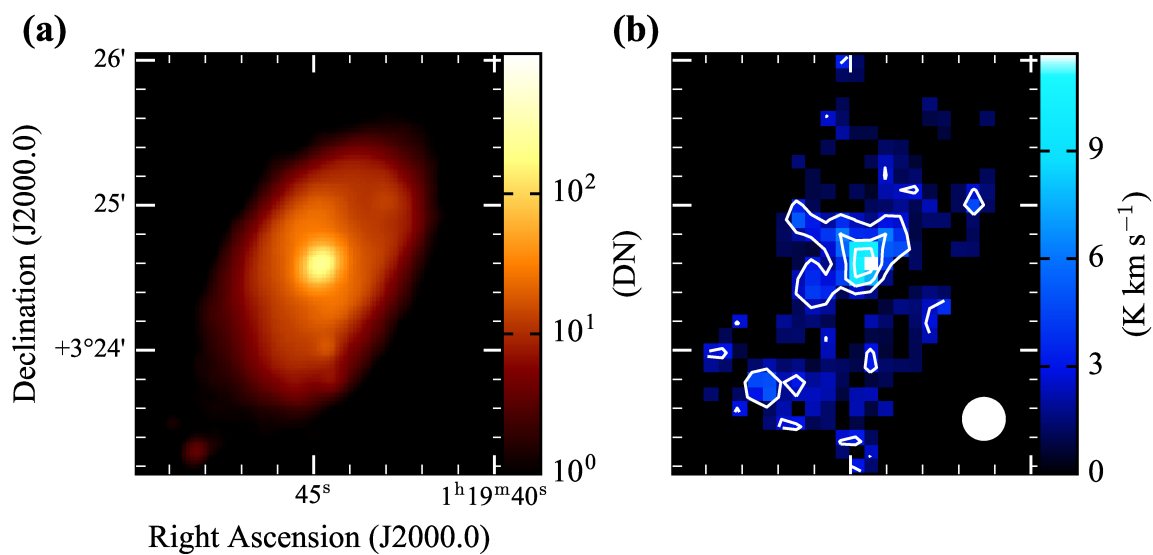
Supplementary fig. 4. Same as figure 12, but for NGC 278. The contours are plotted at 15 %, 40 %, 65 %, and 90 % of the maximum intensity of $27.24 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 10 km s^{-1} in (c) and (d), and at 15 %, 45 %, and 75 % of the maximum intensity of 1.67 K km s^{-1} in (e) (*magenta*).

NGC 337

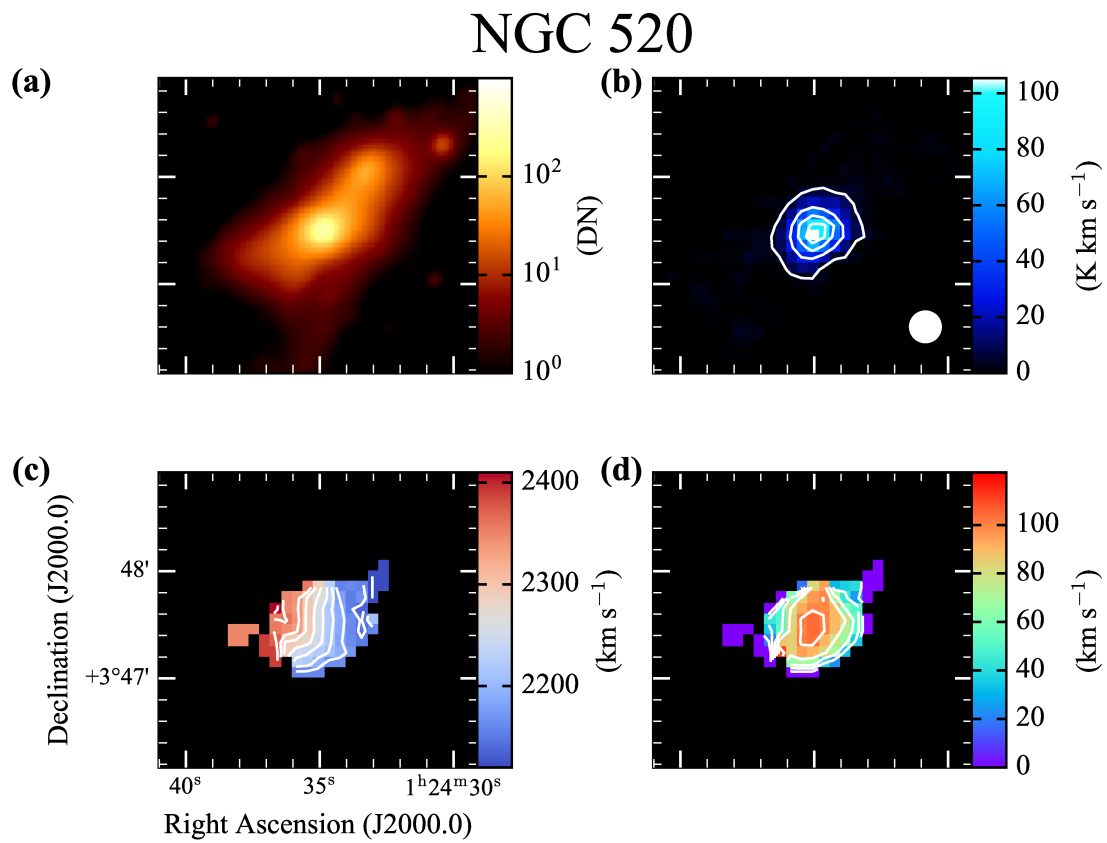


Supplementary fig. 5. Same as figure 12, but for NGC 337. The contours are plotted at 30 %, 50 %, 70 %, and 90 % of the maximum intensity of 7.46 K km s^{-1} in (b).

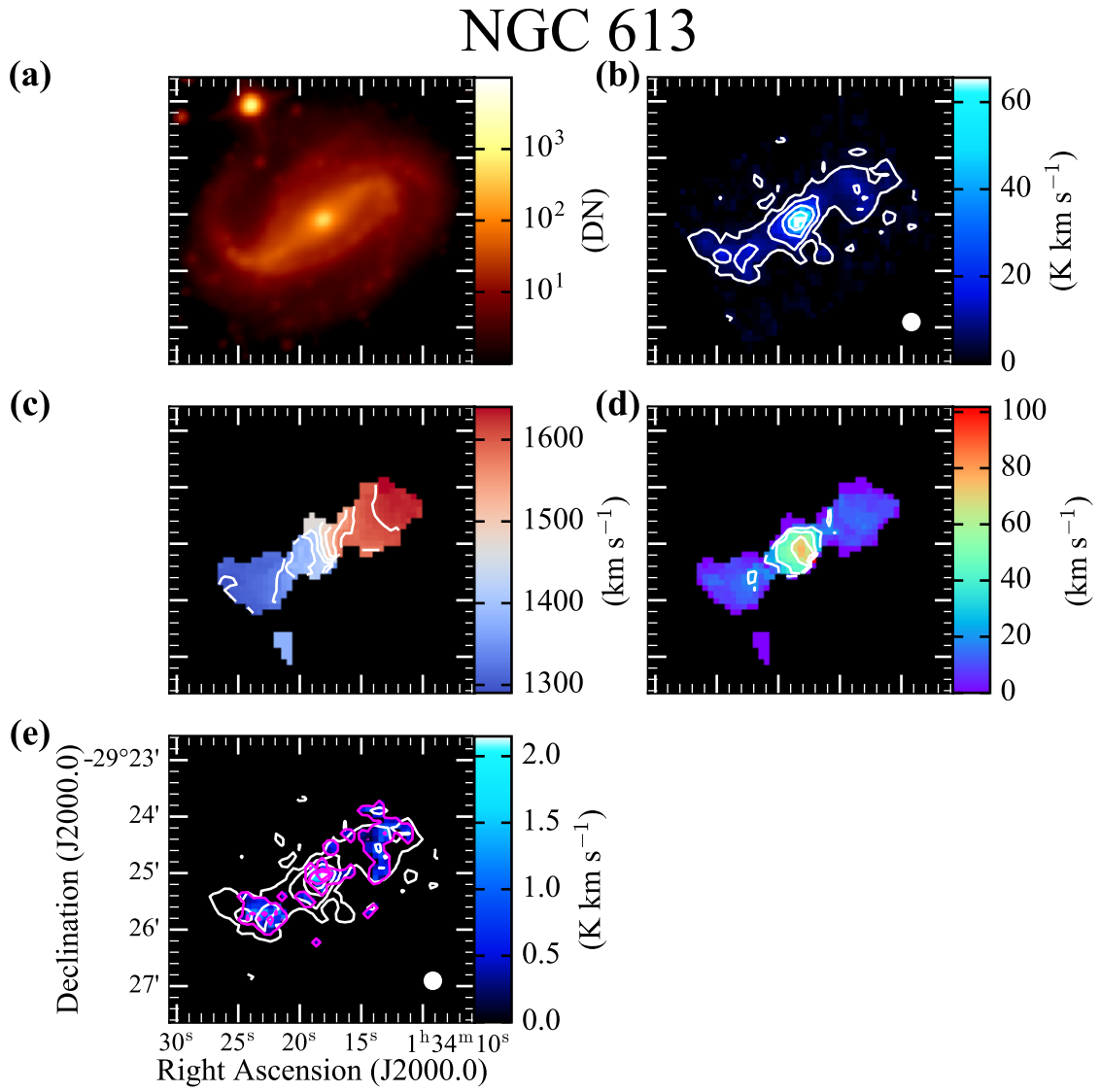
NGC 470



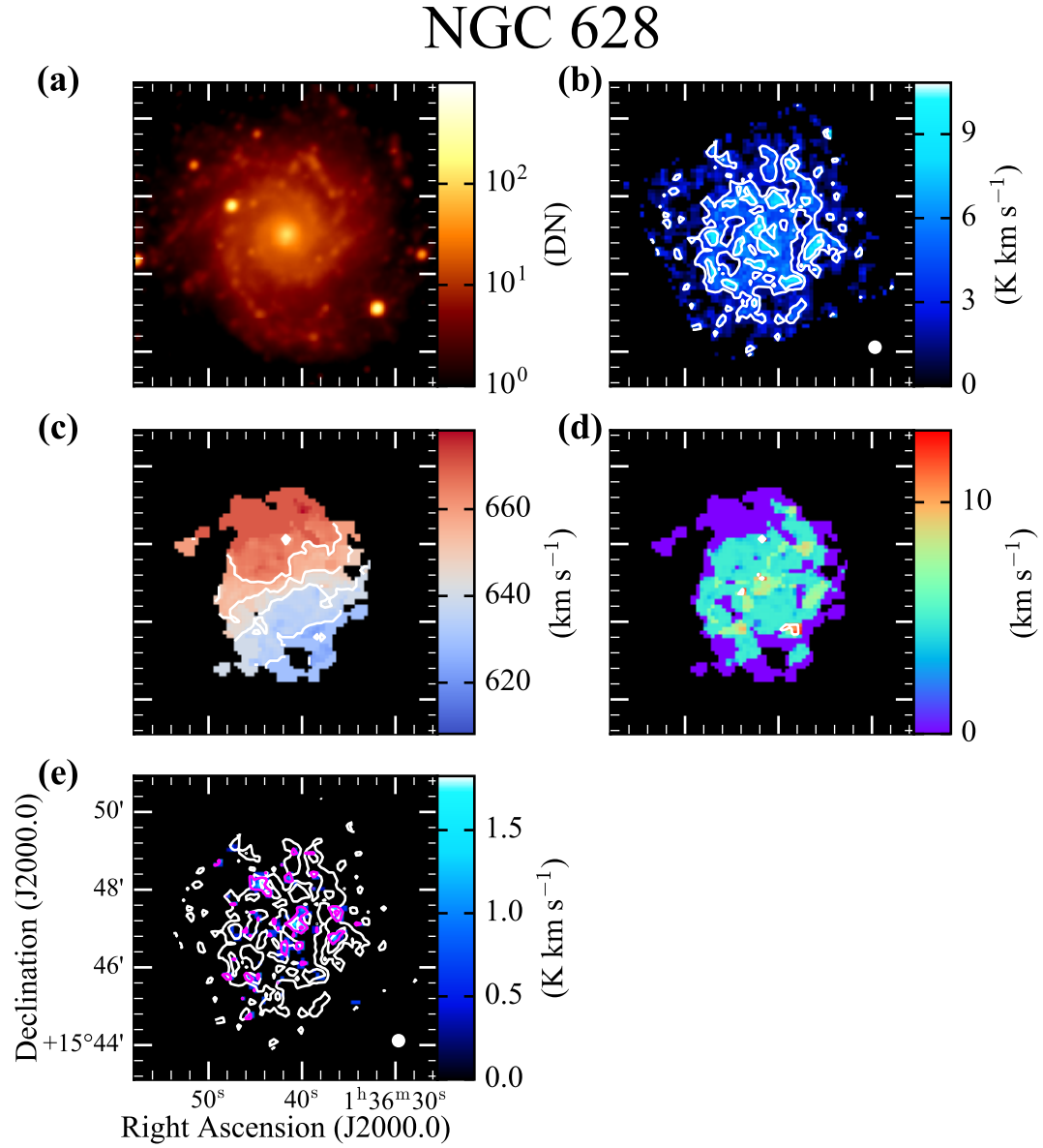
Supplementary fig. 6. Same as figure 12, but for NGC 470. The contours are plotted at 20 %, 50 %, and 80 % of the maximum intensity of $12.26 \text{ K km s}^{-1}$ in (b).



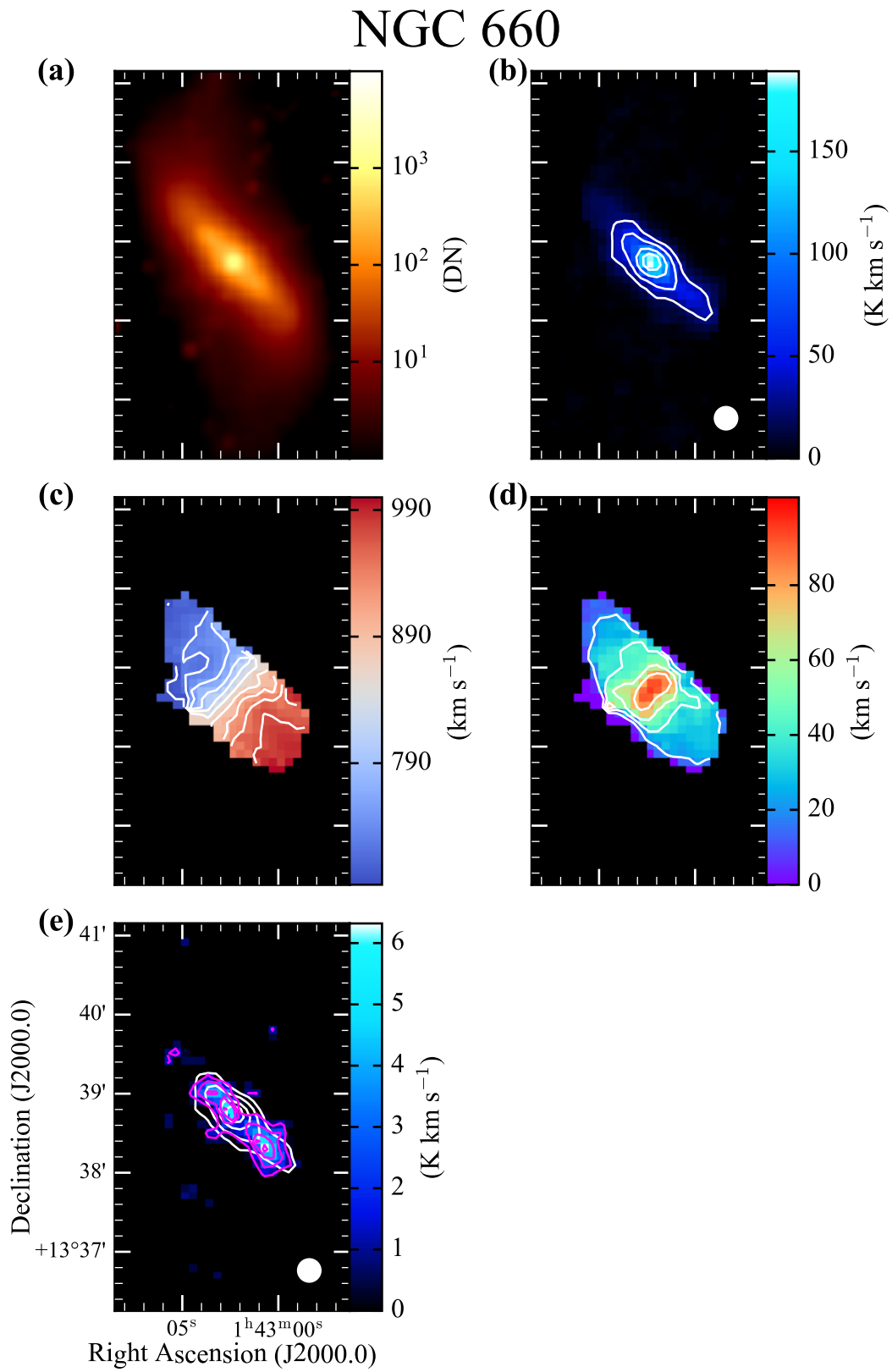
Supplementary fig. 7. Same as figure 12, but for NGC 520. The contours are plotted at 5 %, 30 %, 55 %, and 80 % of the maximum intensity of $105.56 \text{ K km s}^{-1}$ in (b), in steps of 30 km s^{-1} in (c), and in steps of 20 km s^{-1} in (d).



Supplementary fig. 8. Same as figure 12, but for NGC 613. The contours are plotted at 5 %, 15 %, 35 %, and 65 % of the maximum intensity of $78.03 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 35 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 5 %, 45 %, and 75 % of the maximum intensity of 2.62 K km s^{-1} in (e) (*magenta*).

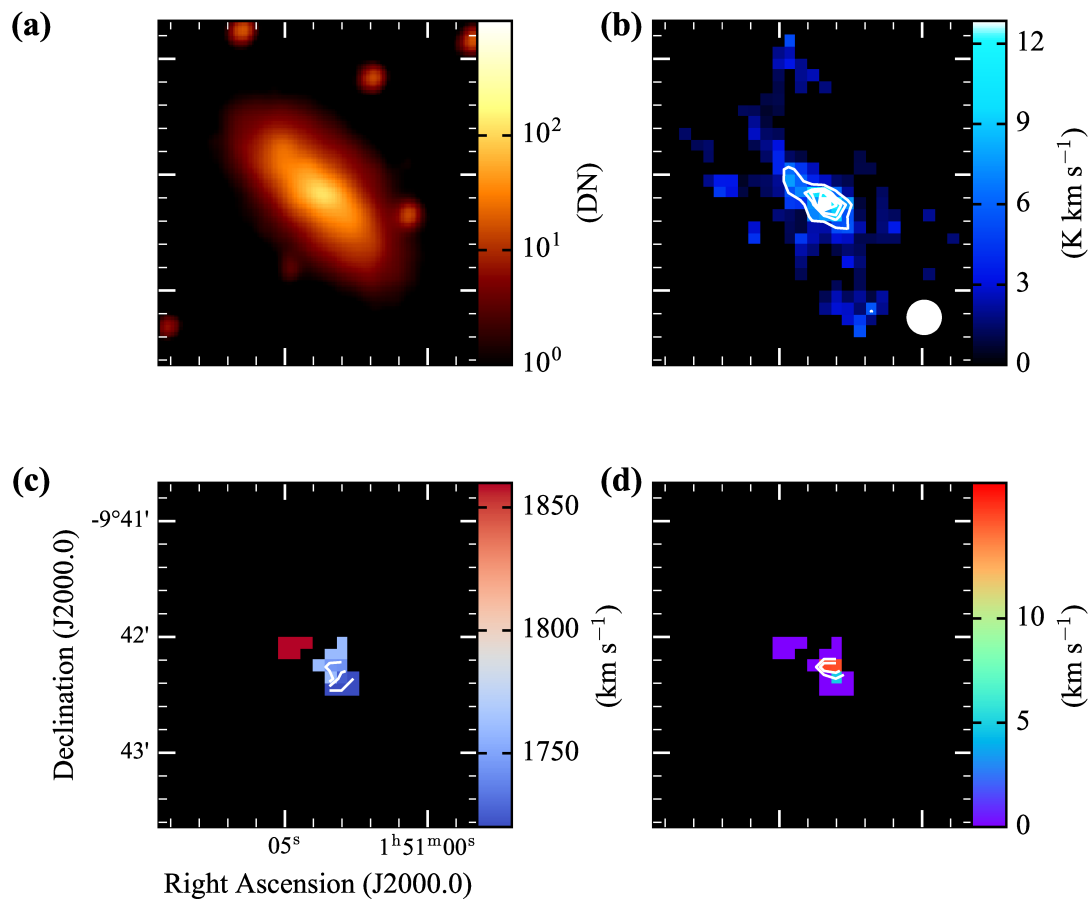


Supplementary fig. 9. Same as figure 12, but for NGC 628. The contours are plotted at 30% and 60% of the maximum intensity of $11.00 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 10 km s^{-1} in (c) and (d), and at 30% and 80% of the maximum intensity of 2.46 K km s^{-1} in (e) (*magenta*).

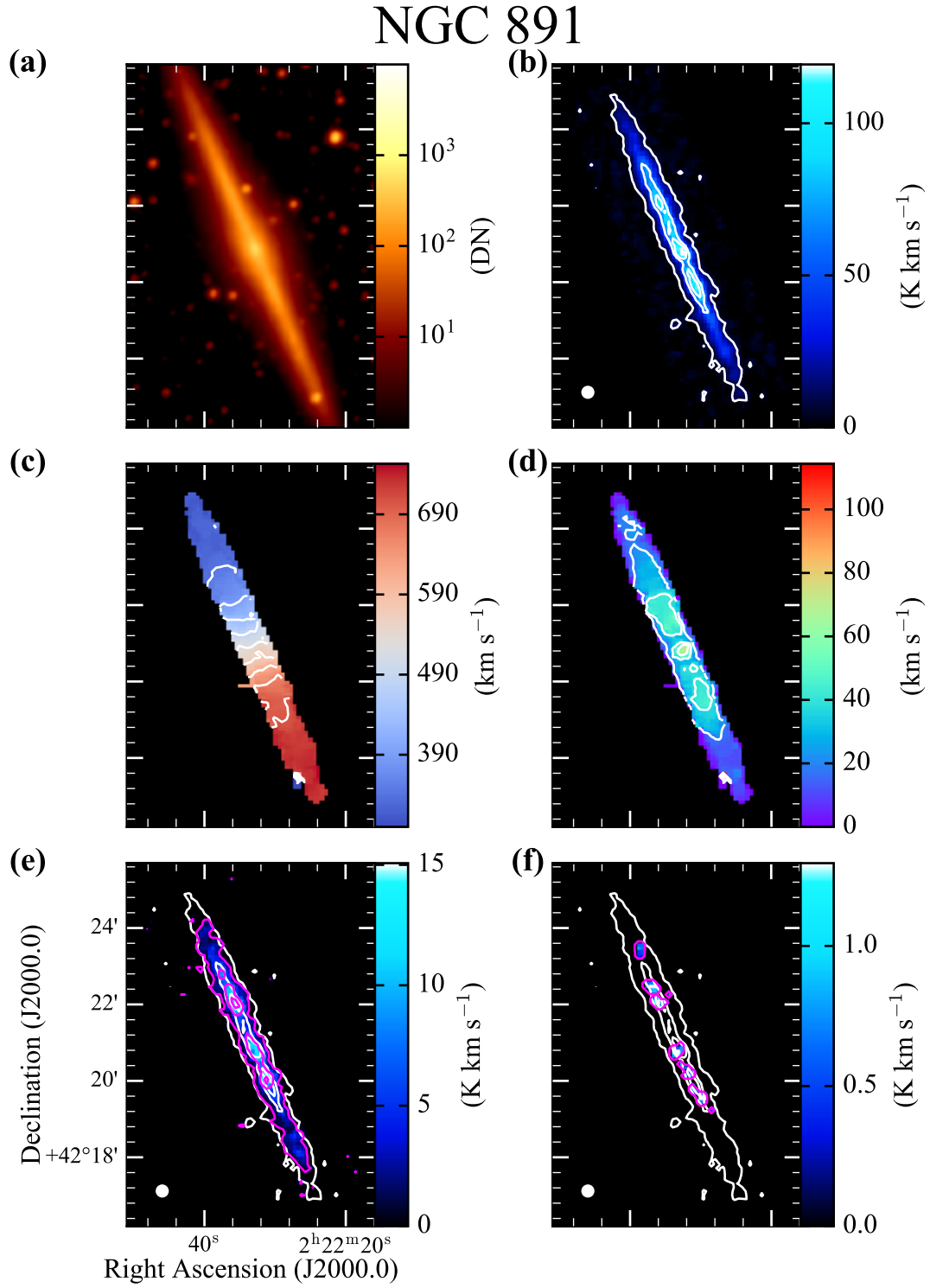


Supplementary fig. 10. Same as figure 12, but for NGC 660. The contours are plotted at 15%, 30%, 55%, and 80% of the maximum intensity of $187.78 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 30 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 15%, 40%, 65%, and 90% of the maximum intensity of 6.28 K km s^{-1} in (e) (*magenta*).

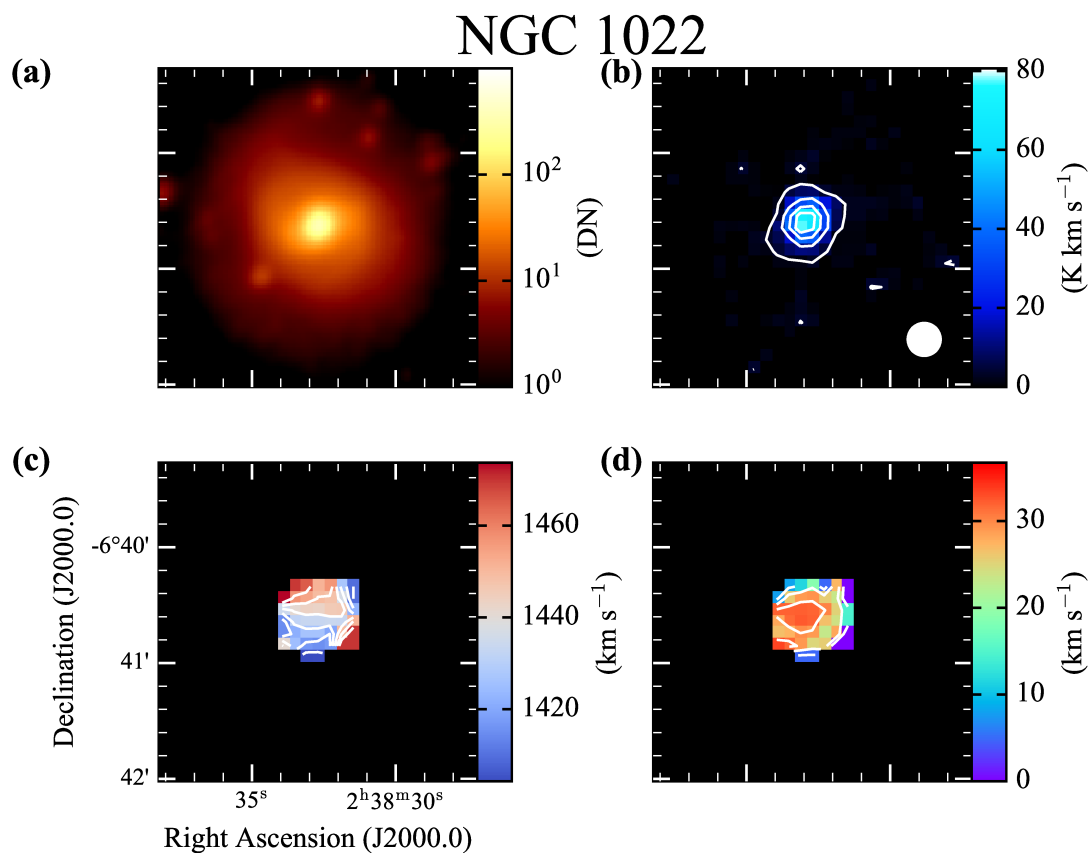
NGC 701



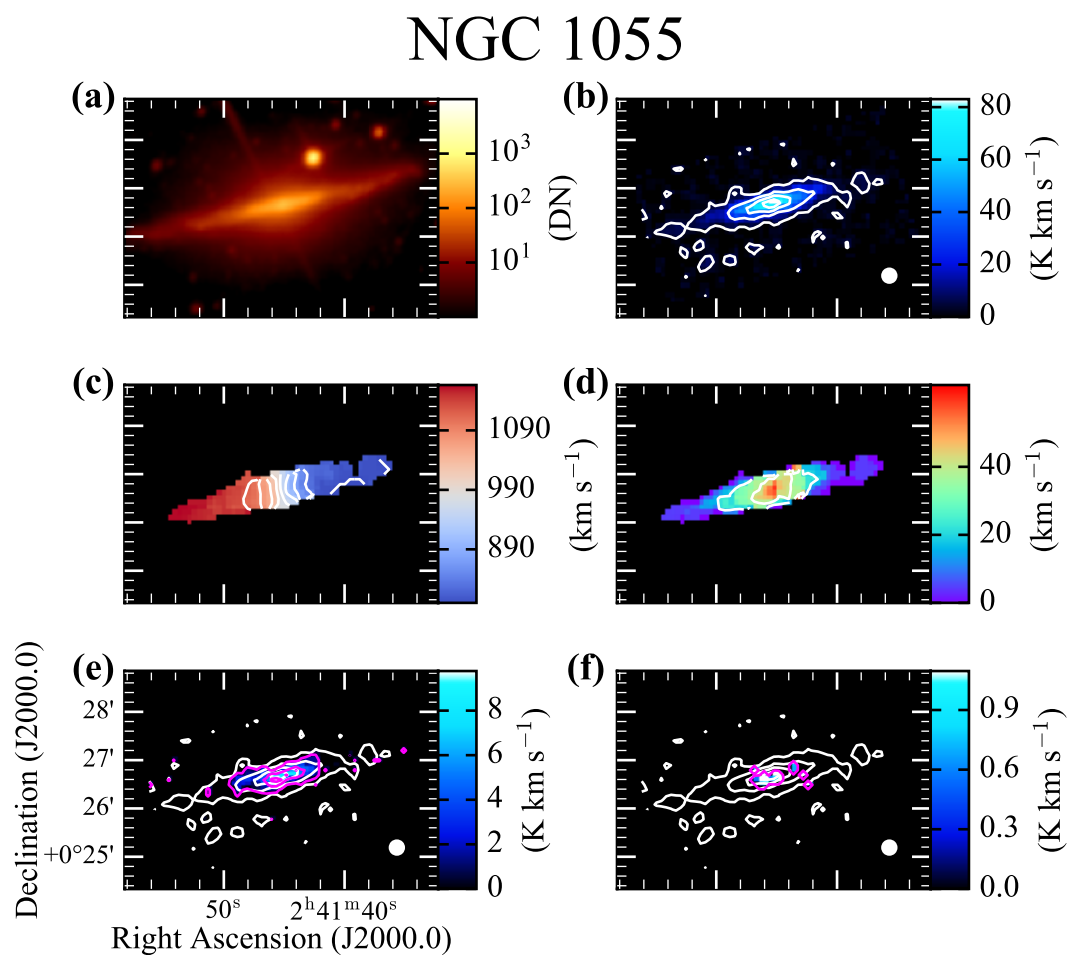
Supplementary fig. 11. Same as figure 12, but for NGC 701. The contours are plotted at 40%, 60%, 70%, and 80% of the maximum intensity of $13.63 \text{ K km s}^{-1}$ in (b), in steps of 15 km s^{-1} in (c), and in steps of 5 km s^{-1} in (d).



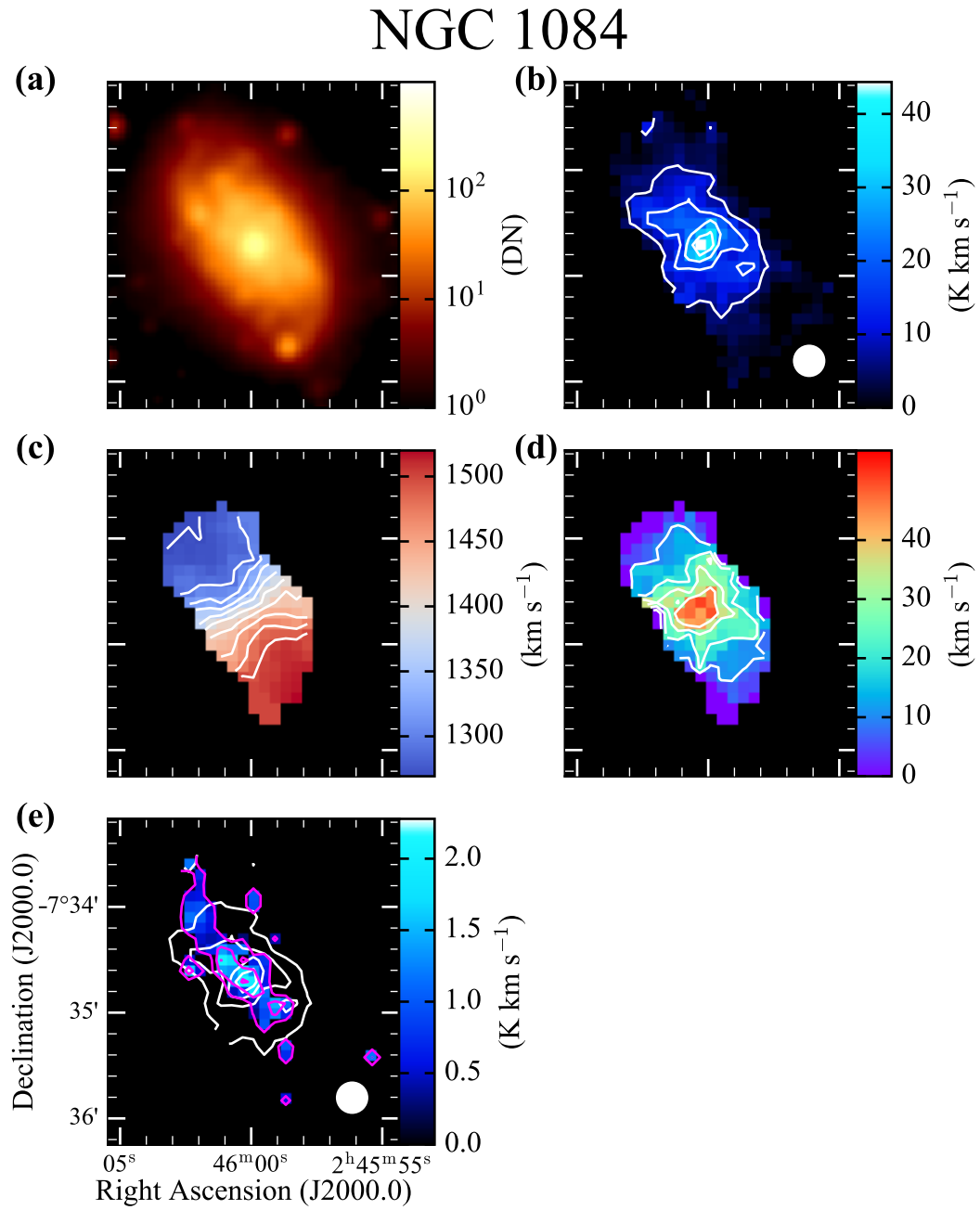
Supplementary fig. 12. Same as figure 12 (NGC 891). The contours are plotted at 5%, 40%, and 60% of the maximum intensity of $152.45 \text{ K km s}^{-1}$ in (b), (e), and (f) (*white*), in steps of 45 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), at 5%, 45%, and 85% of the maximum intensity of $16.53 \text{ K km s}^{-1}$ in (e) (*magenta*), and at 5% of the maximum intensity of 2.26 K km s^{-1} in (C^{18}O)f (*magenta*).



Supplementary fig. 13. Same as figure 12, but for NGC 1022. The contours are plotted at 5%, 30%, 55%, and 80% of the maximum intensity of $77.55 \text{ K km s}^{-1}$ in (b) and in steps of 10 km s^{-1} in (c) and (d).

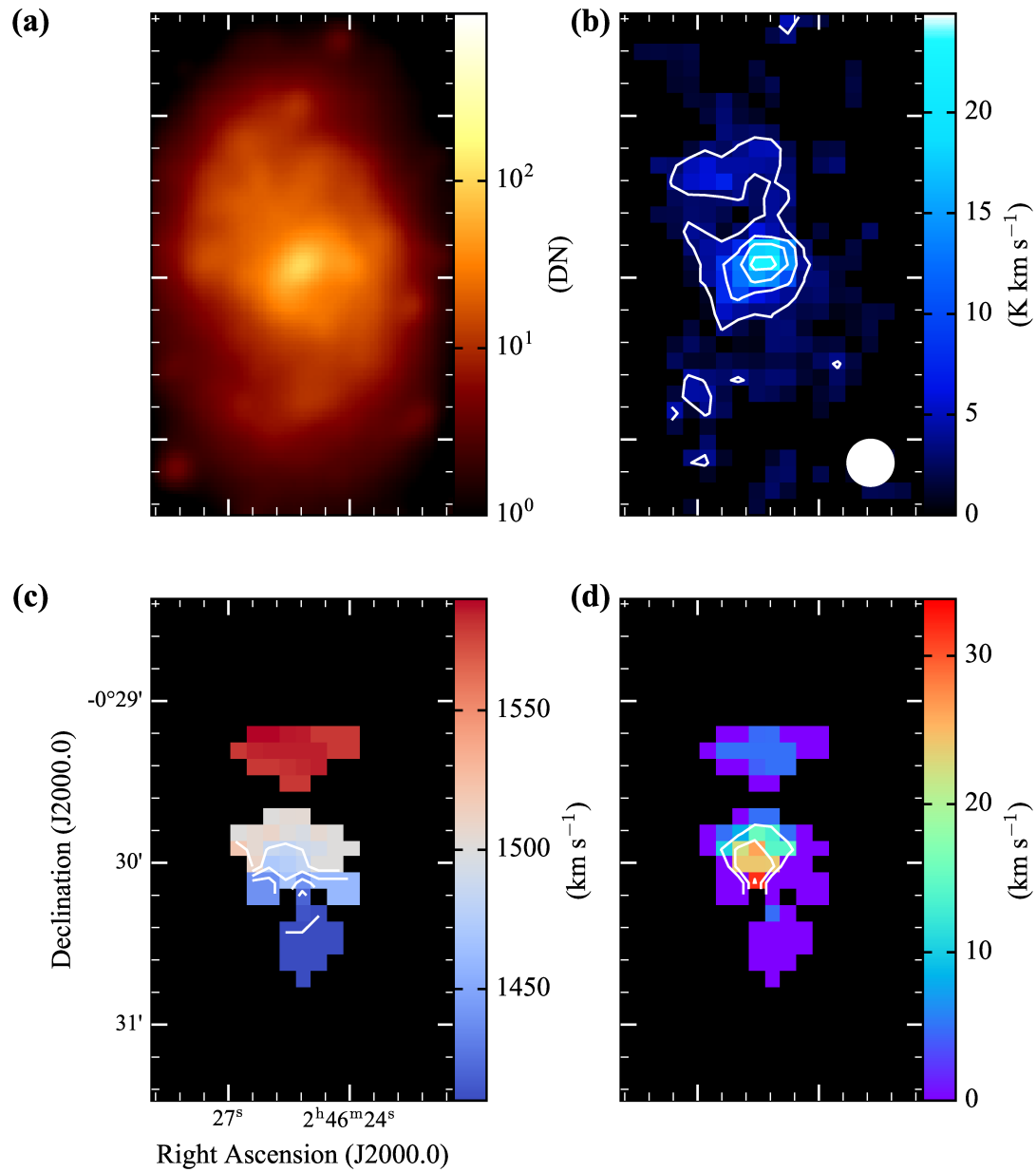


Supplementary fig. 14. Same as figure 12, but for NGC 1055. The contours are plotted at 5%, 30%, 55%, and 80% of the maximum intensity of $94.59 \text{ K km s}^{-1}$ in (b), (e), and (f) (*white*), in steps of 40 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), at 5%, 45%, and 85% of the maximum intensity of $10.35 \text{ K km s}^{-1}$ in (e) (*magenta*), and at 5% of the maximum intensity of 1.59 K km s^{-1} in (f) (*magenta*).

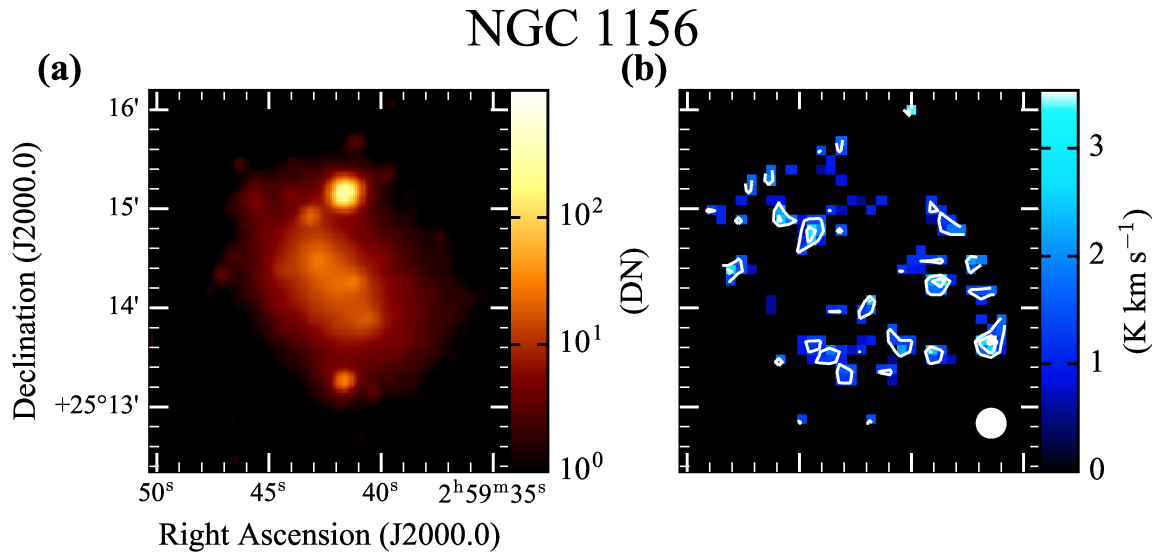


Supplementary fig. 15. Same as figure 12, but for NGC 1084. The contours are plotted at 15%, 35%, 55%, and 75% of the maximum intensity of $45.15 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 25 km s^{-1} in (c), in steps of 10 km s^{-1} in (d), and at 15%, 55%, and 95% of the maximum intensity of 2.14 K km s^{-1} in (e) (*magenta*).

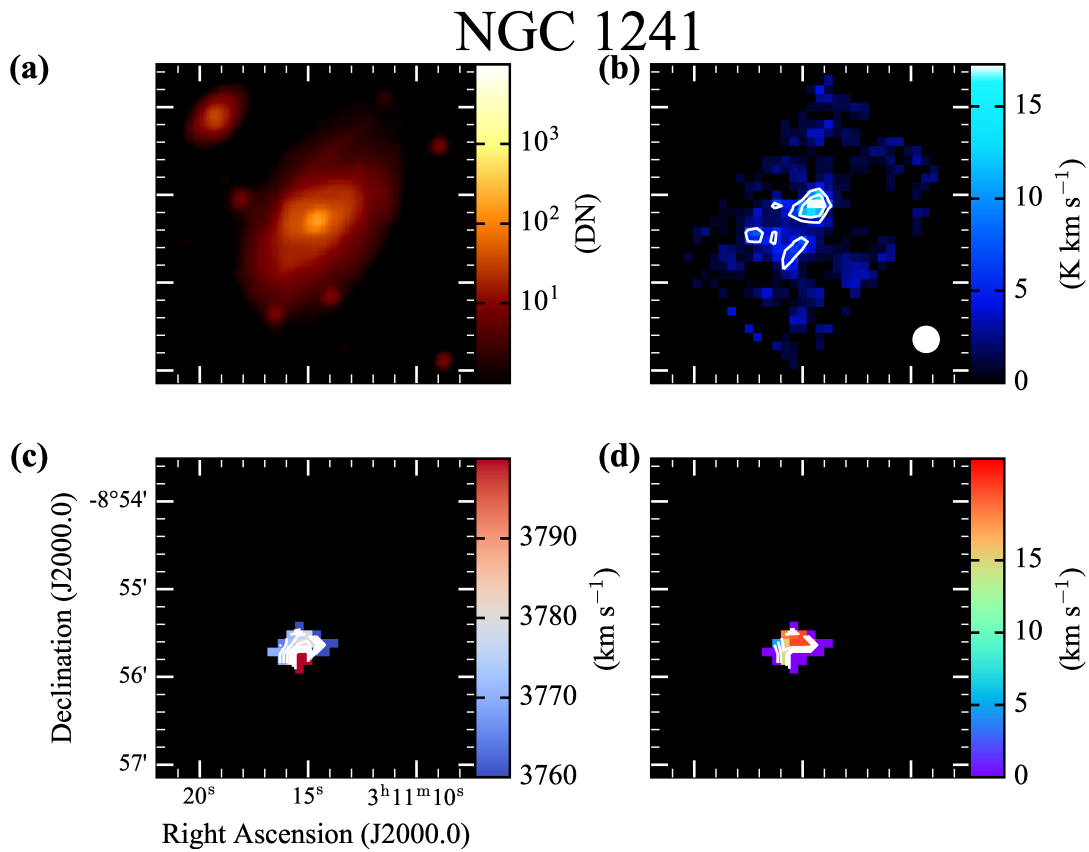
NGC 1087



Supplementary fig. 16. Same as figure 12, but for NGC 1087. The contours are plotted at 15%, 40%, 65%, and 90% of the maximum intensity of $22.93 \text{ K km s}^{-1}$ in (b), in steps of 20 km s^{-1} in (c), and in steps of 10 km s^{-1} in (d).

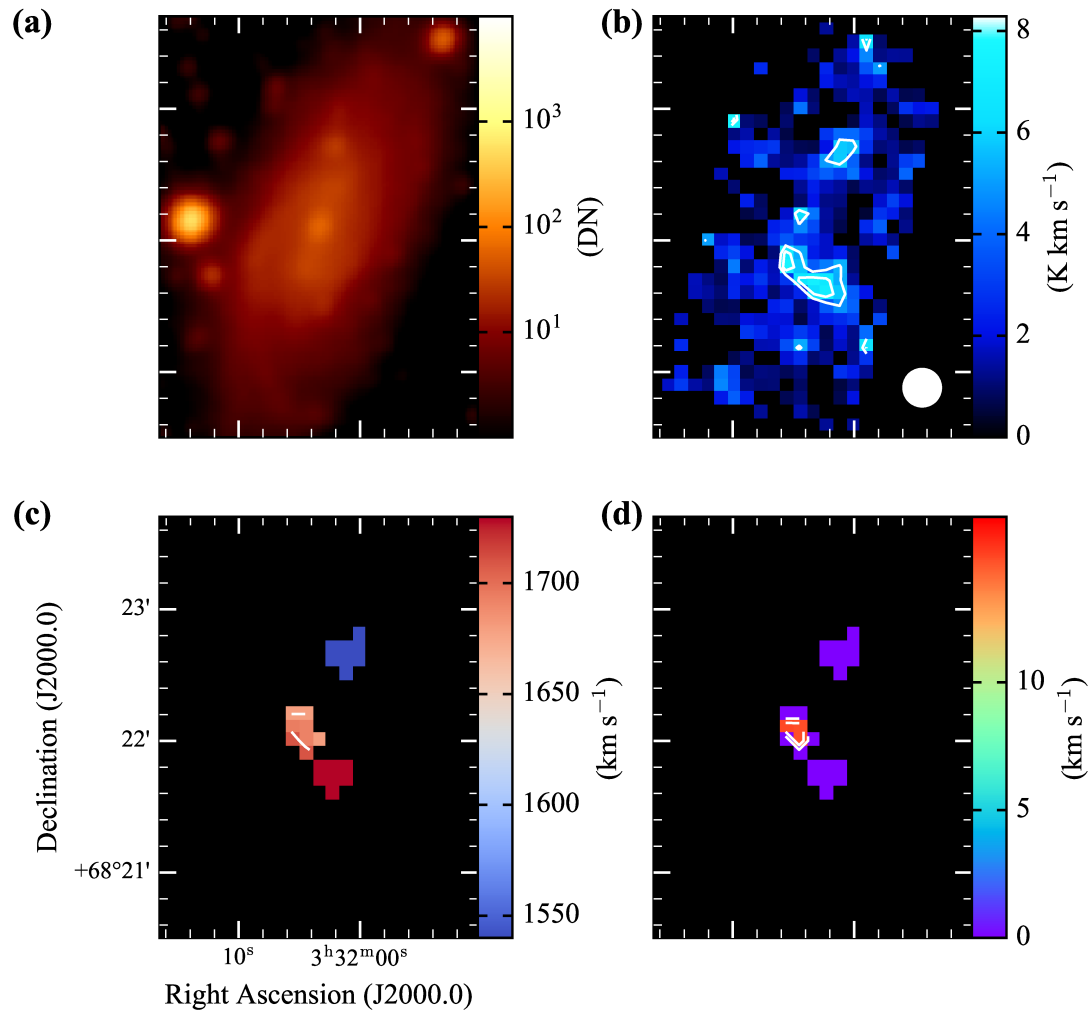


Supplementary fig. 17. Same as figure 12, but for NGC 1156. The contours are plotted at 30%, 60%, and 90% of the maximum intensity of 3.88 K km s^{-1} in (b).



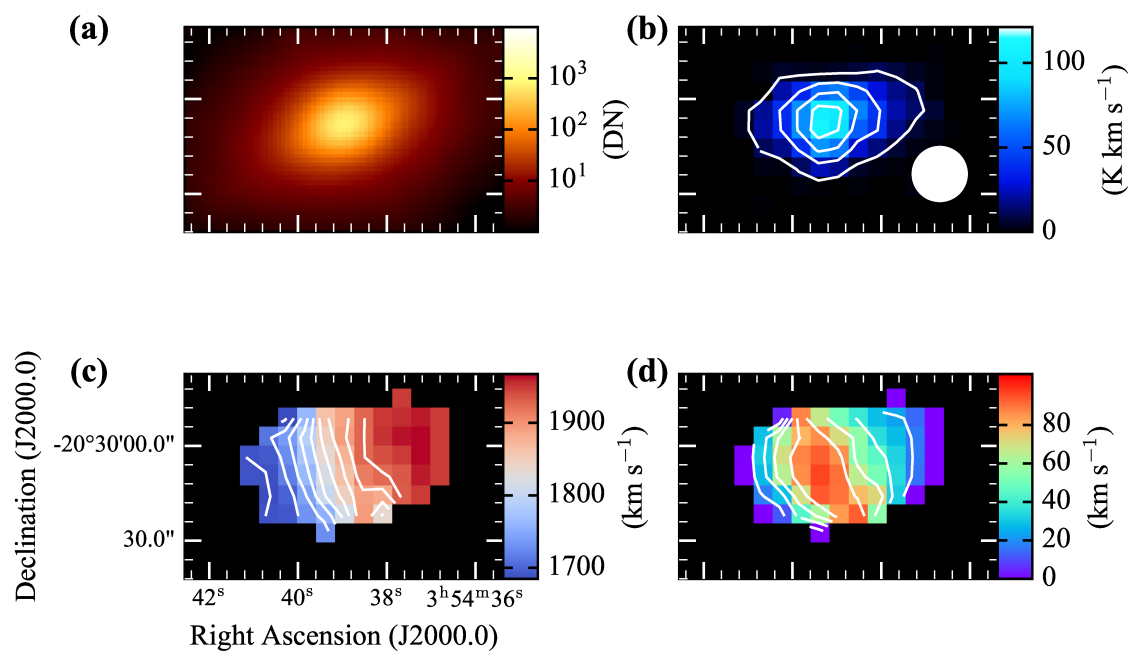
Supplementary fig. 18. Same as figure 12, but for NGC 1241. The contours are plotted at 30% and 60% of the maximum intensity of $17.33 \text{ K km s}^{-1}$ in (b) and in steps of 5 km s^{-1} in (c) and (d).

UGC 2765



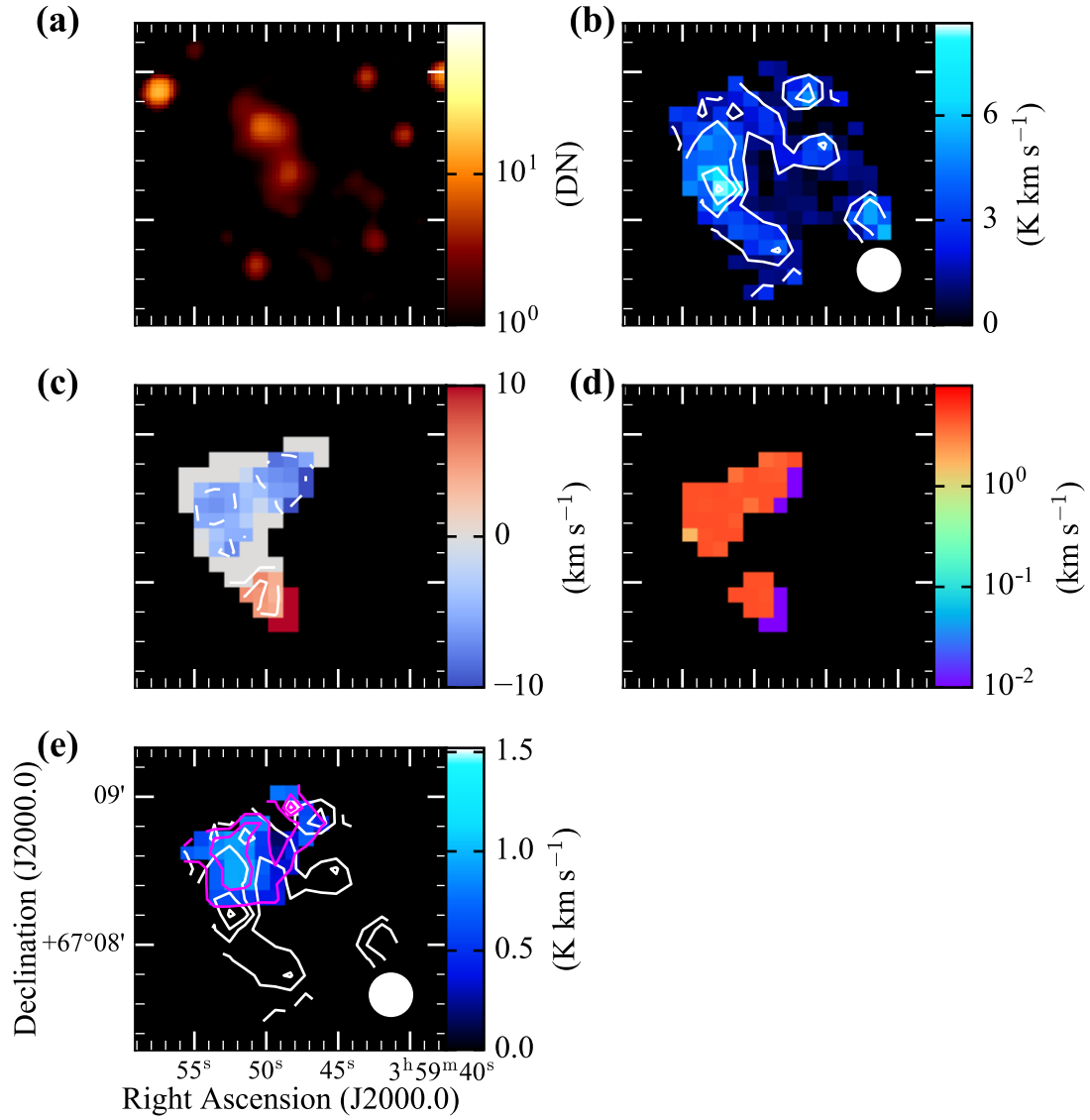
Supplementary fig. 19. Same as figure 12, but for UGC 2765. The contours are plotted at 65 % and 85 % of the maximum intensity of 7.56 K km s^{-1} in (b), in steps of 20 km s^{-1} in (c), and in steps of 5 km s^{-1} in (d).

NGC 1482

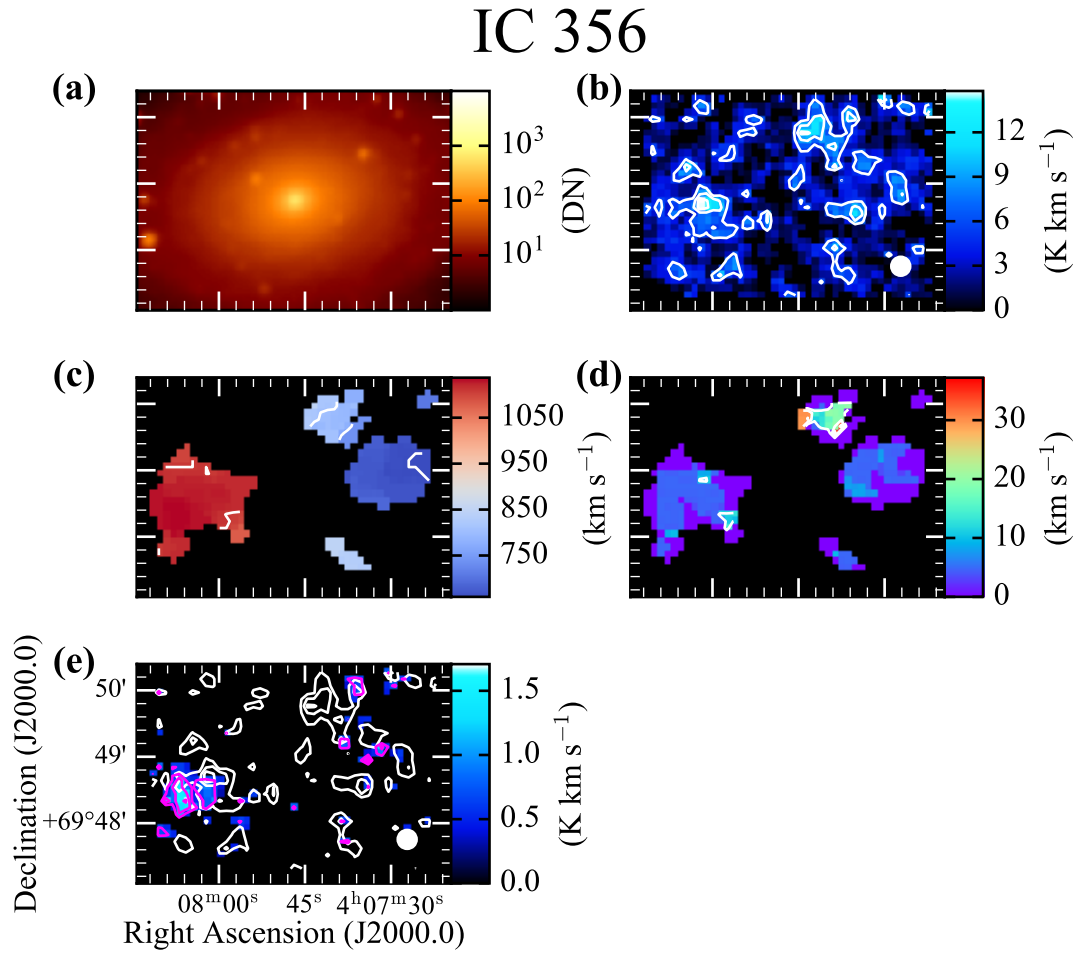


Supplementary fig. 20. Same as figure 12, but for NGC 1482. The contours are plotted at 10 %, 35 %, 60 %, and 85 % of the maximum intensity of $111.32 \text{ K km s}^{-1}$ in (b), in steps of 30 km s^{-1} in (c), and in steps of 20 km s^{-1} in (d).

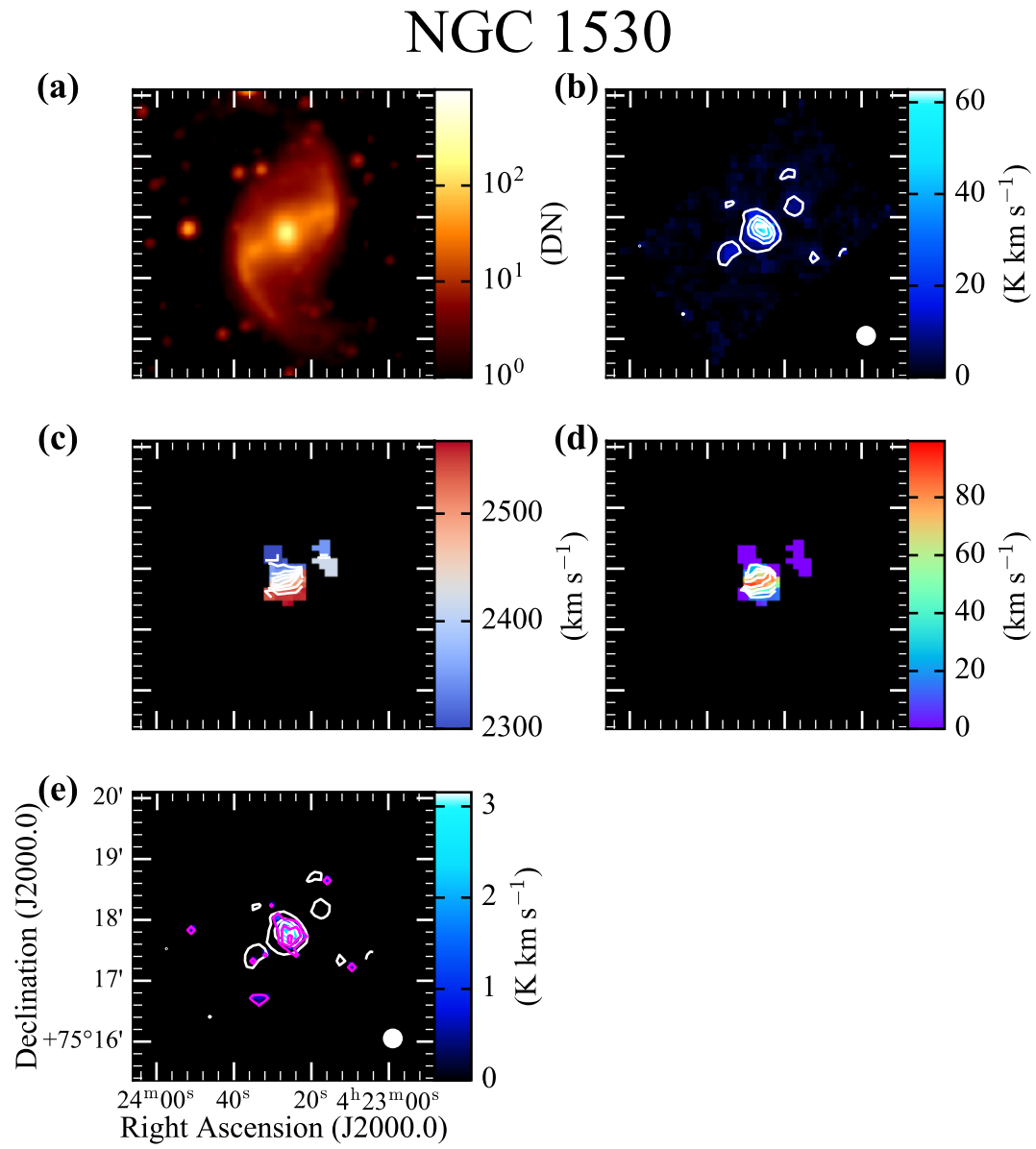
UGCA 86



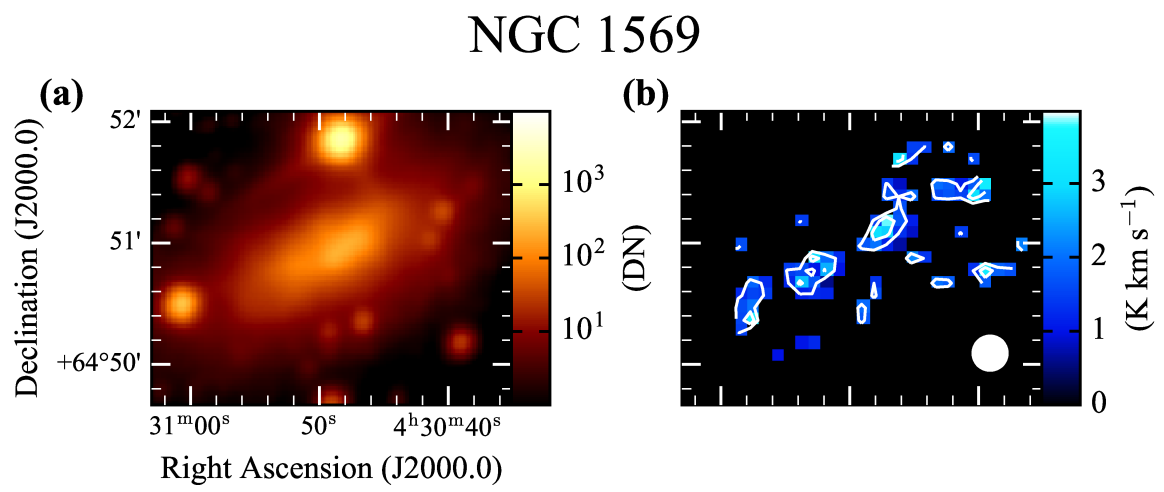
Supplementary fig. 21. Same as figure 12, but for UGCA 86. The contours are plotted at 20 %, 45 %, 70 %, and 95 % of the maximum intensity of 8.40 K km s^{-1} in (b) and (e) (*white*), in steps of 5 km s^{-1} in (c) (dashed contours indicate negative velocities), and at 20 %, 50 %, and 80 % of the maximum intensity of 1.67 K km s^{-1} in (e) (*magenta*).



Supplementary fig. 22. Same as figure 12, but for IC 356. The contours are plotted at 35 %, 60 %, and 85 % of the maximum intensity of $15.13 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 50 km s^{-1} in (c), in steps of 10 km s^{-1} in (d), and at 35 %, 65 %, and 95 % of the maximum intensity of 1.81 K km s^{-1} in (e) (*magenta*).

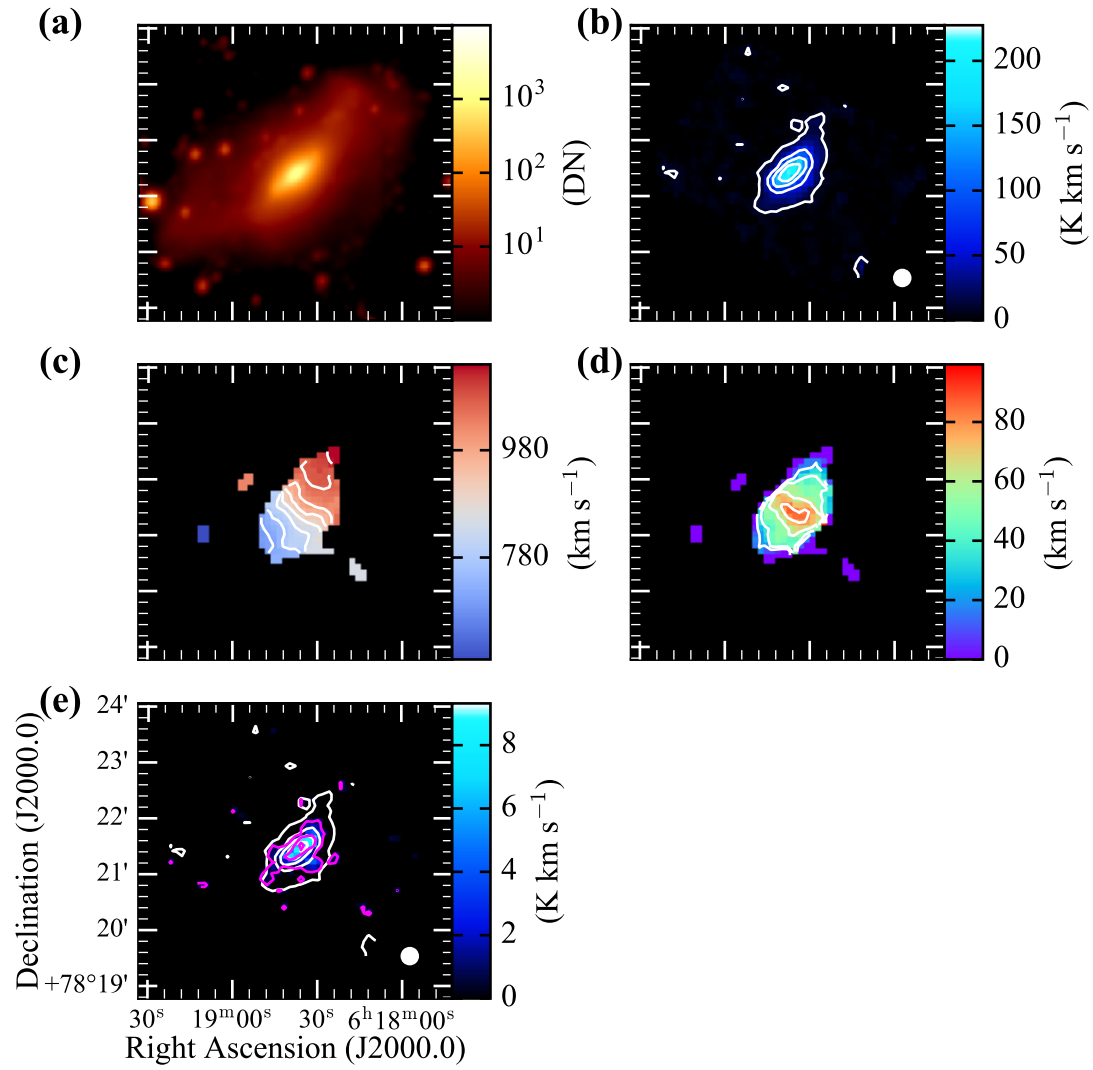


Supplementary fig. 23. Same as figure 12, but for NGC 1530. The contours are plotted at 10%, 35%, 60%, and 85% of the maximum intensity of $63.97 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 30 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 10%, 50%, and 90% of the maximum intensity of 3.49 K km s^{-1} in (e) (*magenta*).

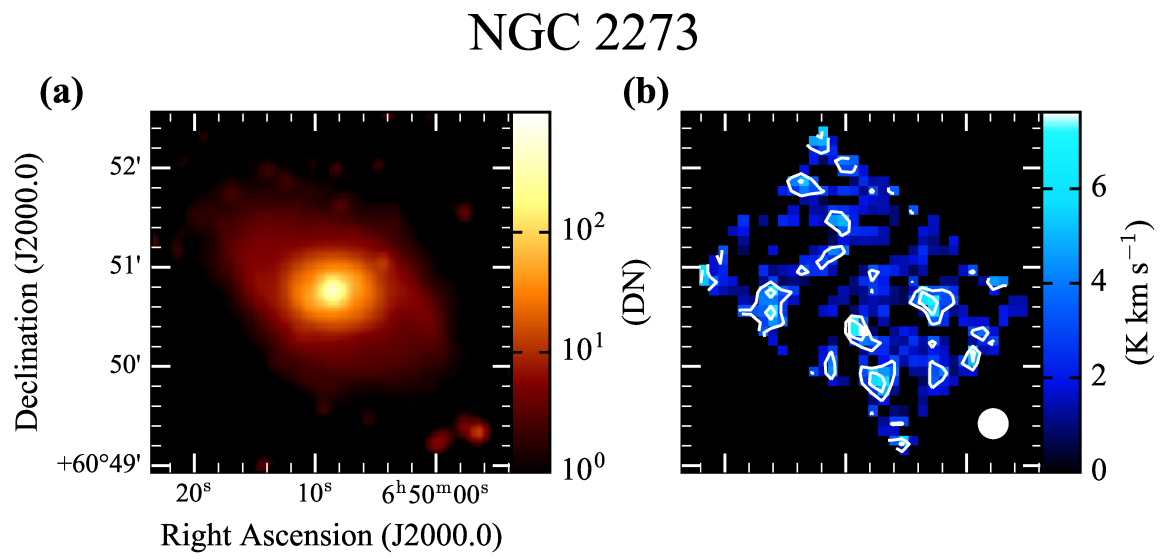


Supplementary fig. 24. Same as figure 12, but for NGC 1569. The contours are plotted at 35% and 65% of the maximum intensity of 3.84 K km s^{-1} in (b).

NGC 2146

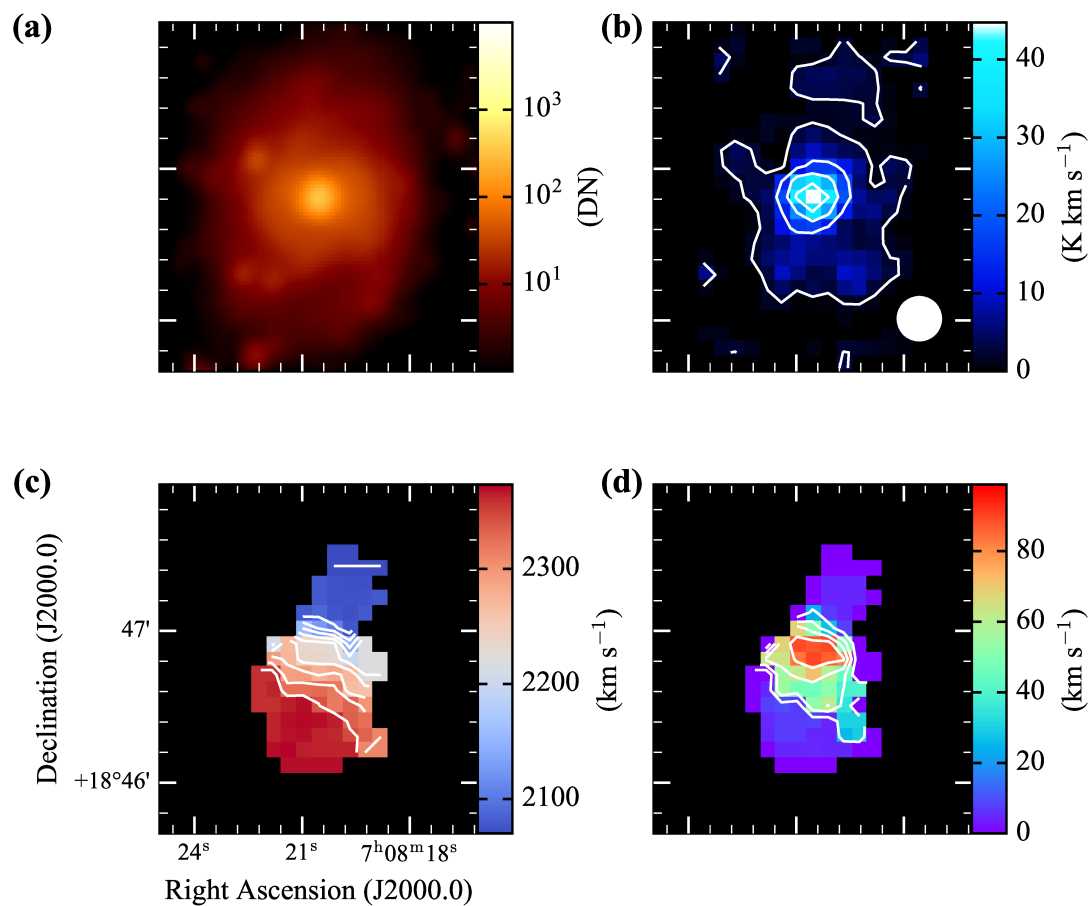


Supplementary fig. 25. Same as figure 12, but for NGC 2146. The contours are plotted at 5%, 30%, 55%, and 80% of the maximum intensity of $217.12 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 60 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 5%, 45%, and 85% of the maximum intensity of $11.75 \text{ K km s}^{-1}$ in (e) (*magenta*).



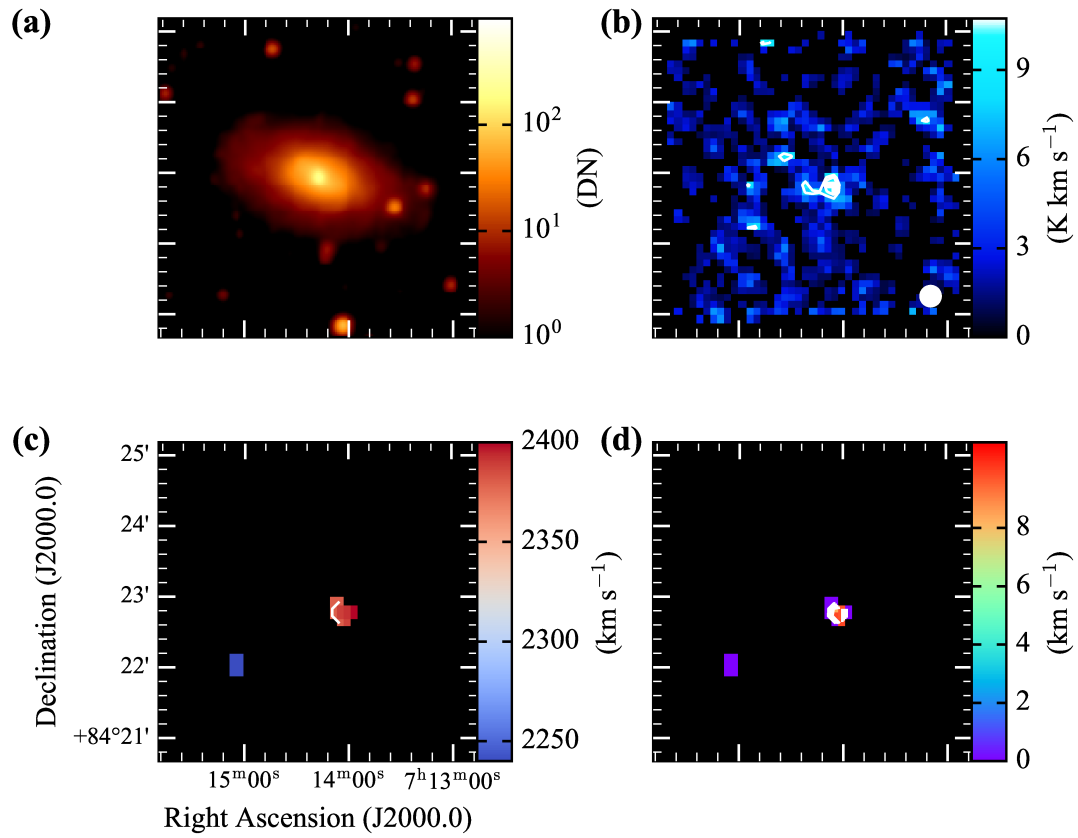
Supplementary fig. 26. Same as figure 12, but for NGC 2273. The contours are plotted at 35% and 65% of the maximum intensity of 7.83 K km s^{-1} in (b).

NGC 2339

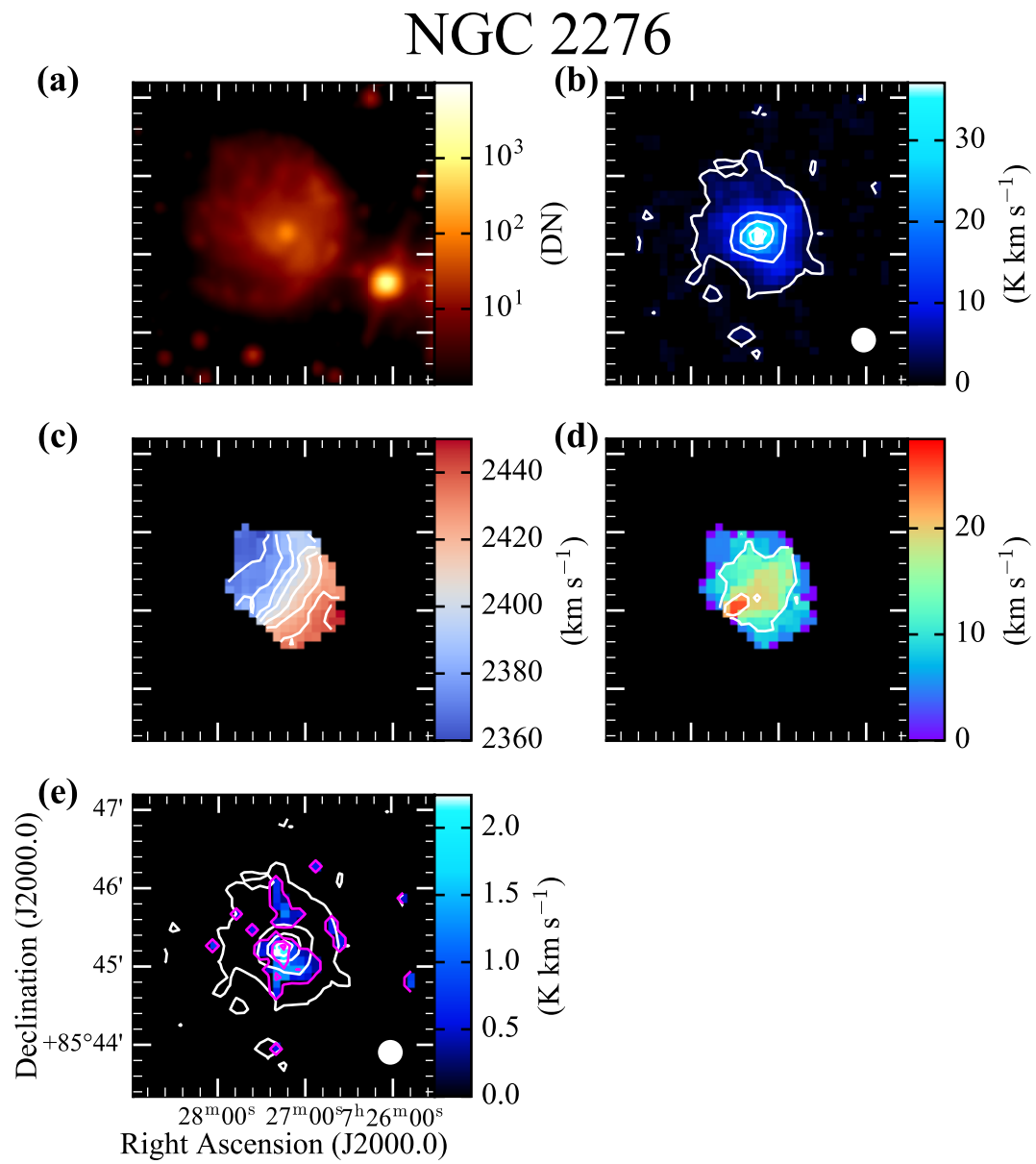


Supplementary fig. 27. Same as figure 12, but for NGC 2339. The contours are plotted at 5%, 30%, 55%, and 80% of the maximum intensity of $46.34 \text{ K km s}^{-1}$ in (b), in steps of 30 km s^{-1} in (c), and in steps of 20 km s^{-1} in (d).

NGC 2268

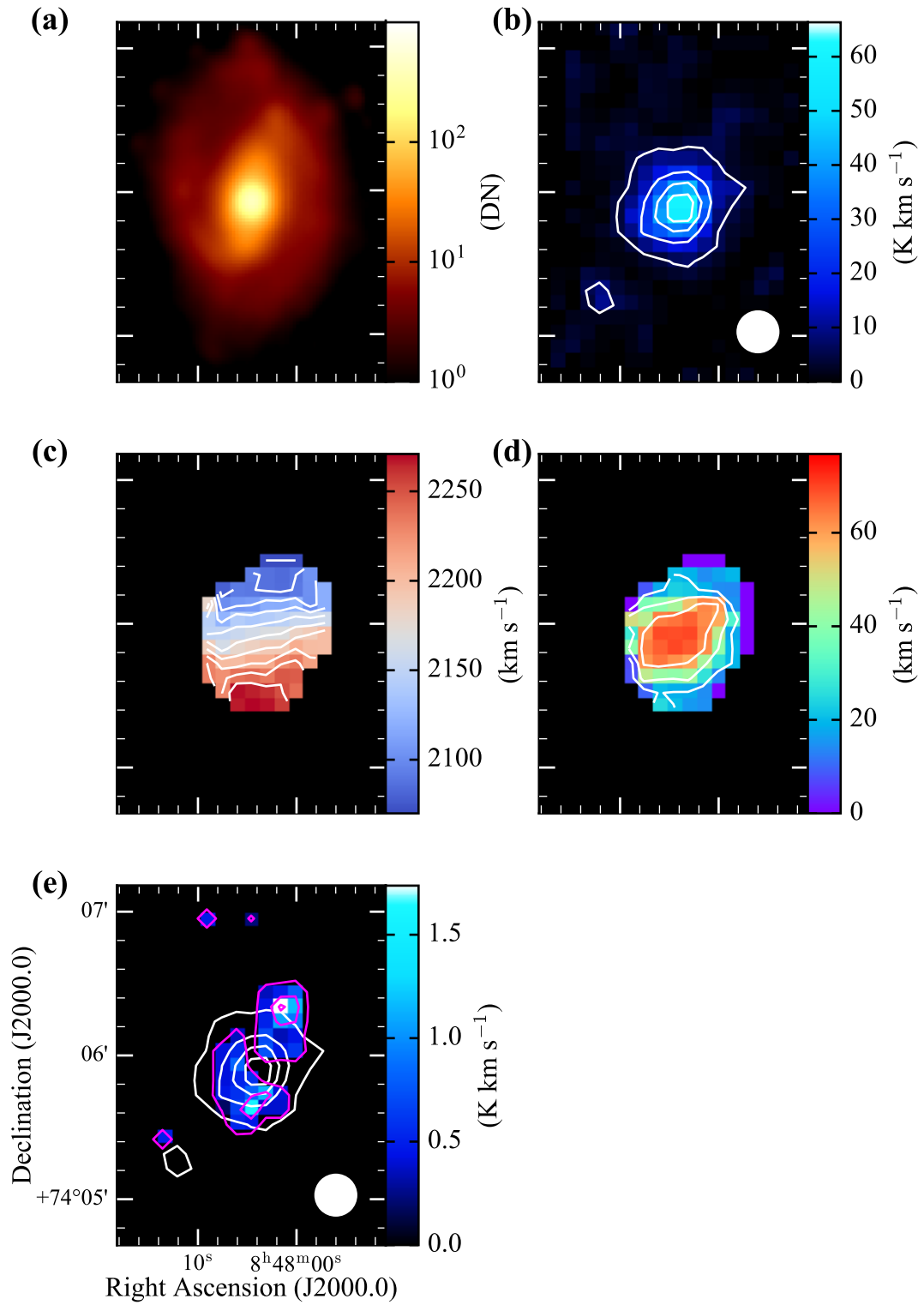


Supplementary fig. 28. Same as figure 12, but for NGC 2268. The contours are plotted at 55 % and 70 % of the maximum intensity of $13.53 \text{ K km s}^{-1}$ in (b), in steps of 20 km s^{-1} step in (c), and in steps of 2 km s^{-1} in (d).



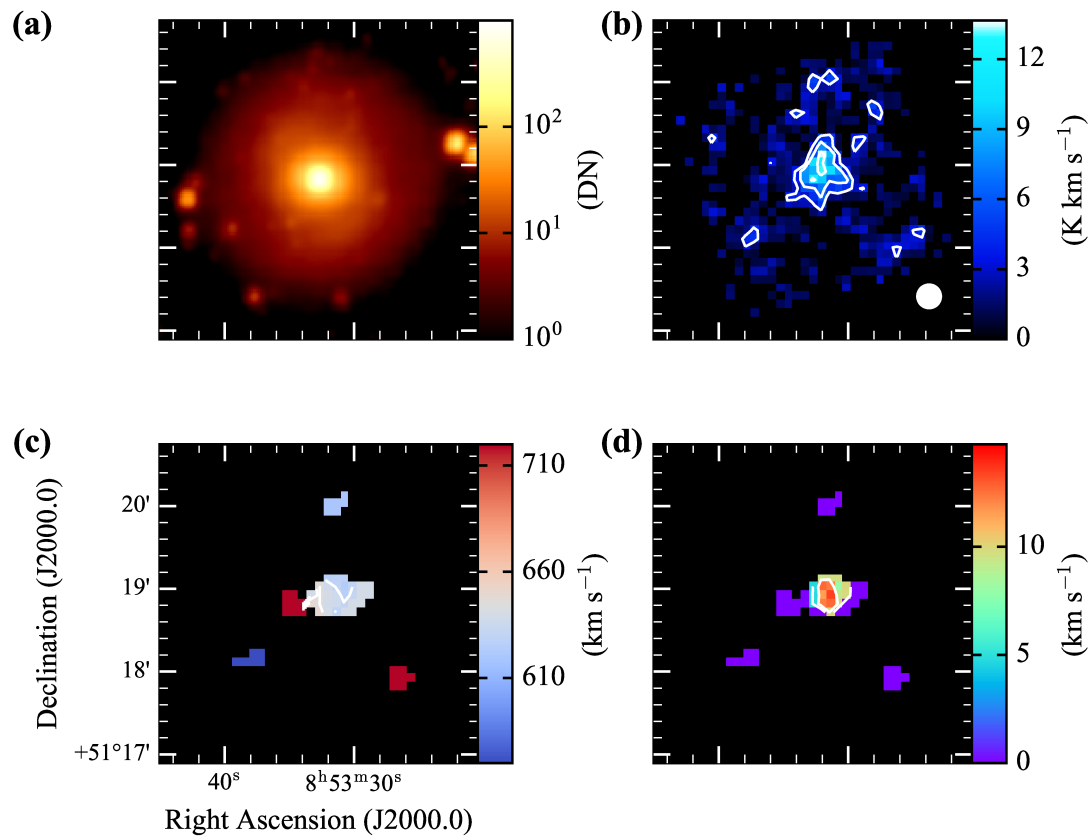
Supplementary fig. 29. Same as figure 12, but for NGC 2276. The contours are plotted at 5%, 30%, 55%, and 80% of the maximum intensity of $41.92 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 10 km s^{-1} in (c) and (d), and at 5%, 45%, and 85% of the maximum intensity of 3.09 K km s^{-1} in (e) (*magenta*).

NGC 2633



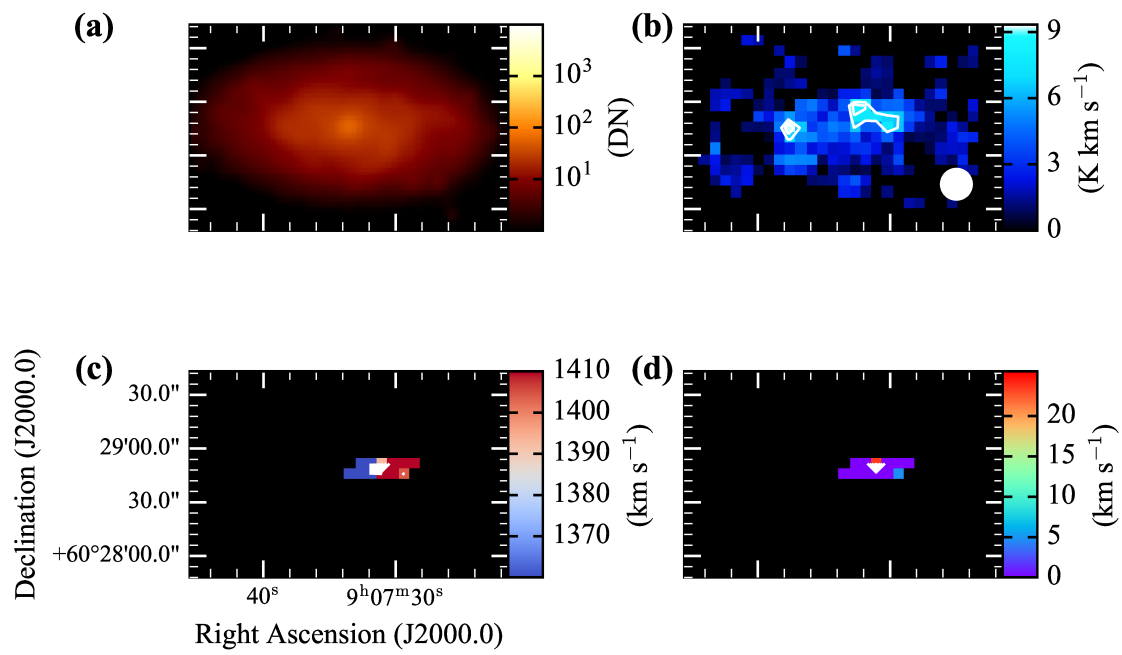
Supplementary fig. 30. Same as figure 12, but for NGC 2633. The contours are plotted at 10%, 35%, 60%, and 85% of the maximum intensity of $60.58 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 20 km s^{-1} in (c) and (d), and at 10%, 50%, and 90% of the maximum intensity of 1.80 K km s^{-1} in (e) (*magenta*).

NGC 2681



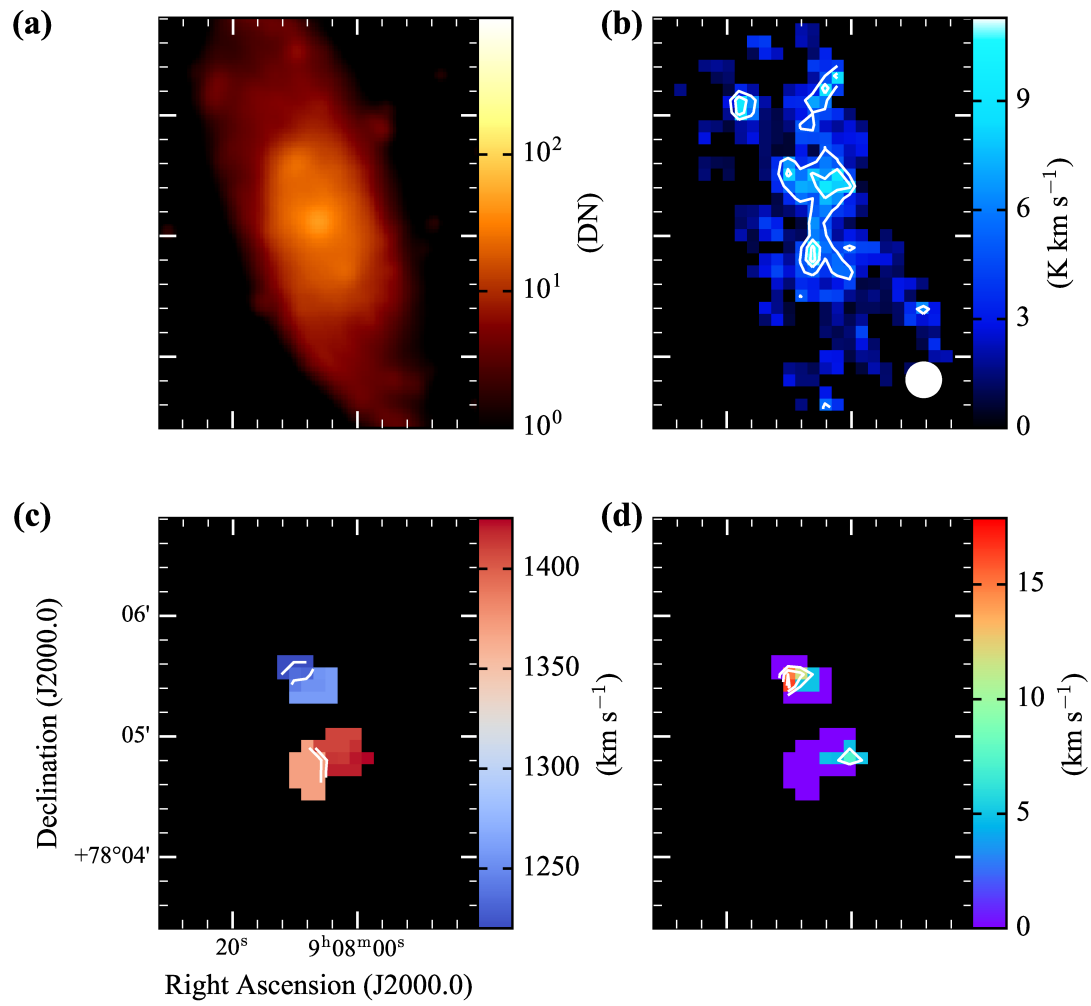
Supplementary fig. 31. Same as figure 12, but for NGC 2681. The contours are plotted at 25 %, 45 %, and 85 % of the maximum intensity of $13.50 \text{ K km s}^{-1}$ in (b), in steps of 15 km s^{-1} in (c), and in steps of 5 km s^{-1} in (d).

NGC 2742



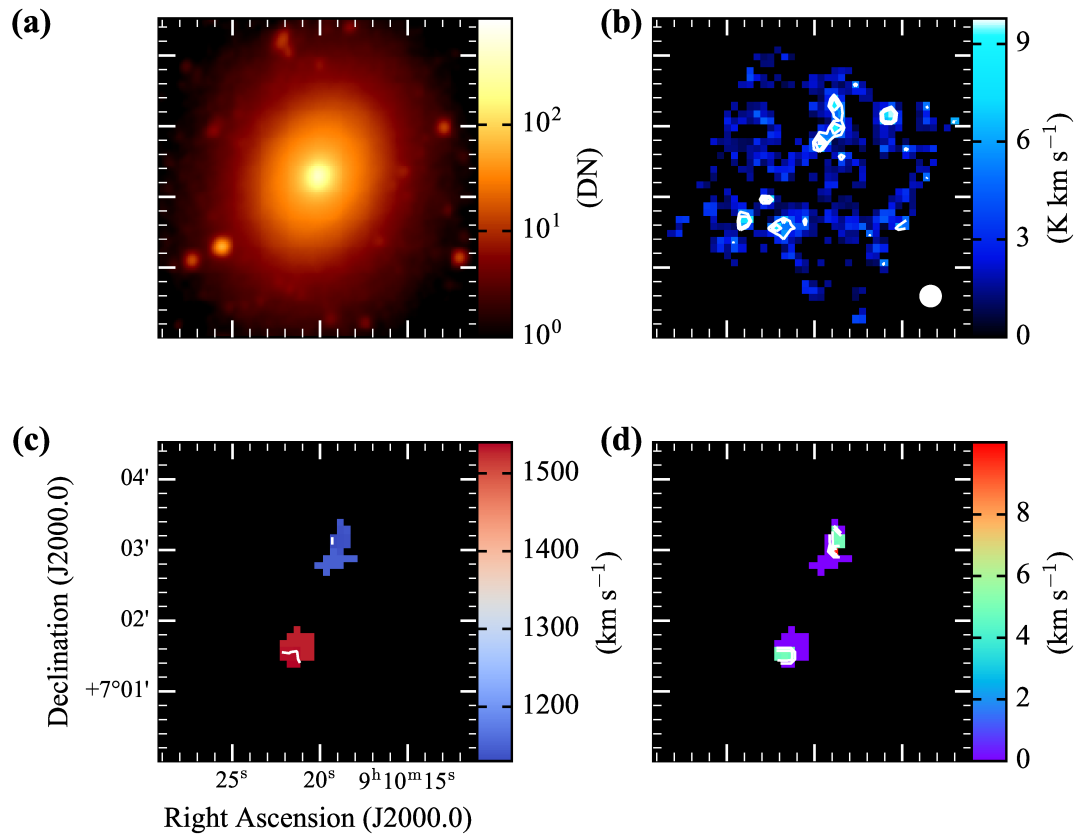
Supplementary fig. 32. Same as figure 12, but for NGC 2742. The contours are plotted at 70 % and 85 % of the maximum intensity of 9.21 K km s^{-1} in (b) and in steps of 5 km s^{-1} in (c) and (d).

NGC 2715



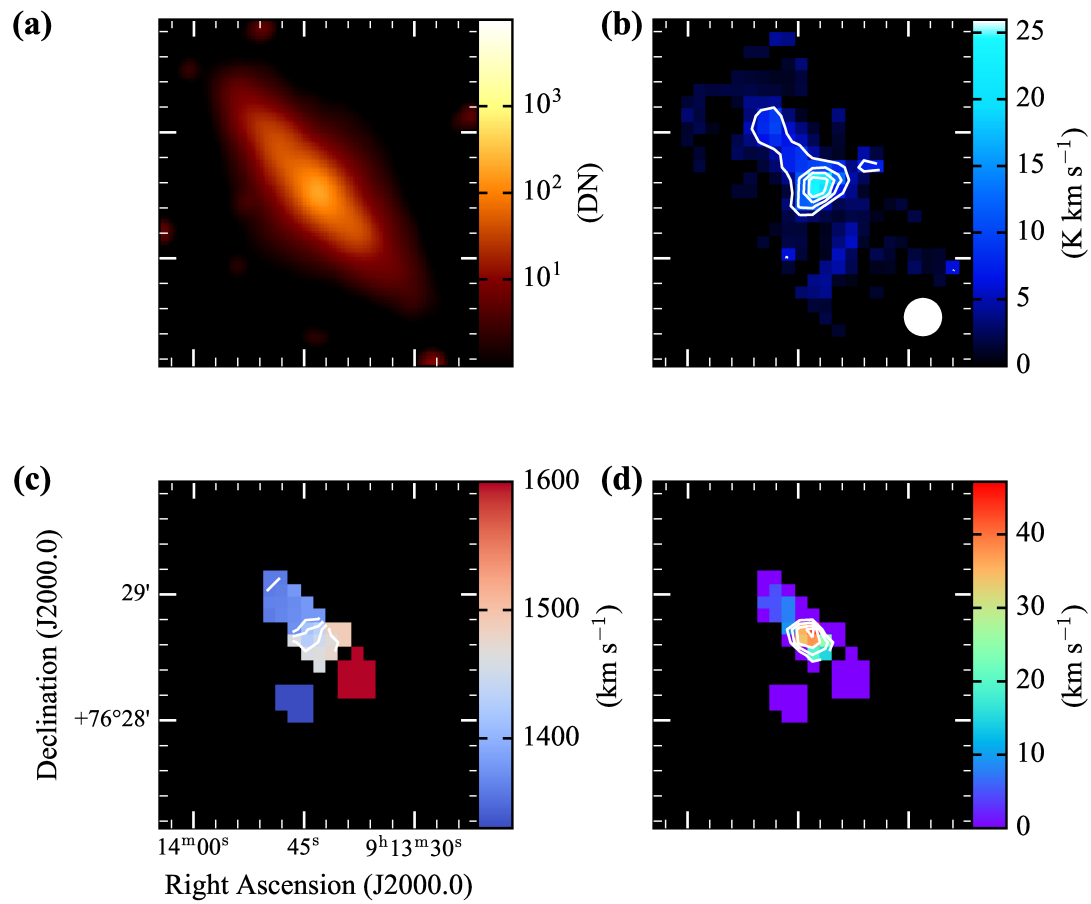
Supplementary fig. 33. Same as figure 12, but for NGC 2715. The contours are plotted at 45 %, 70 %, and 90 % of the maximum intensity of $10.81 \text{ K km s}^{-1}$ in (b), in steps of 20 km s^{-1} in (c), and in steps of 5 km s^{-1} in (d).

NGC 2775



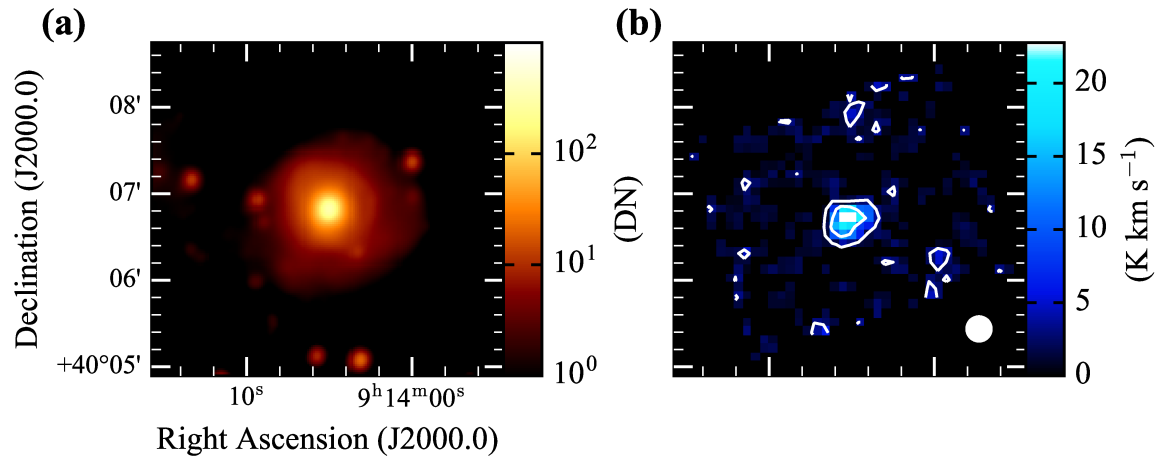
Supplementary fig. 34. Same as figure 12, but for NGC 2775. The contours are plotted at 45 % and 60 % of the maximum intensity of $10.23 \text{ K km s}^{-1}$ in (b), in steps of 45 km s^{-1} in (c), and in steps of 2 km s^{-1} in (d).

NGC 2748

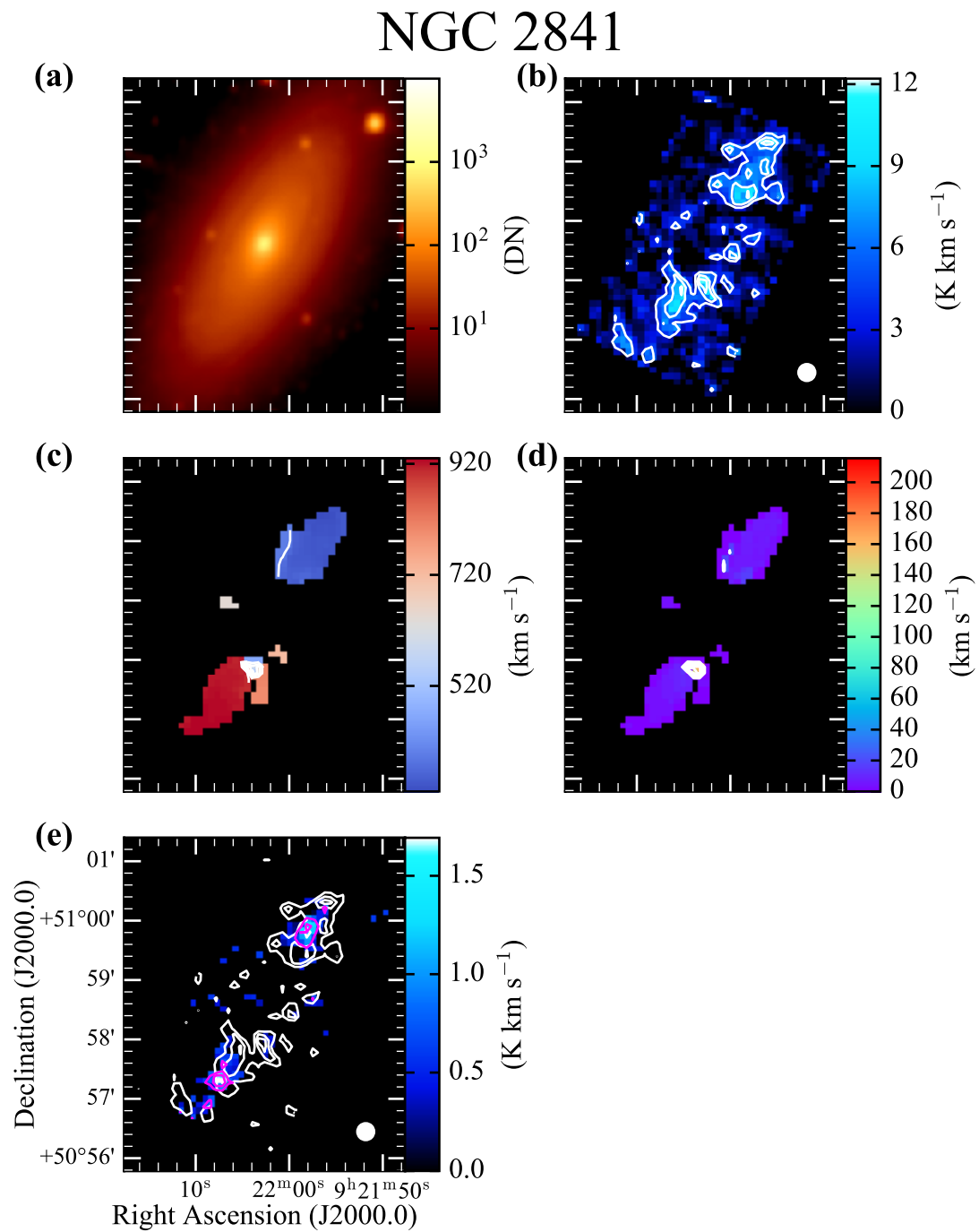


Supplementary fig. 35. Same as figure 12, but for NGC 2748. The contours are plotted at 25%, 45%, 65%, and 85% of the maximum intensity of $24.06 \text{ K km s}^{-1}$ in (b), in steps of 30 km s^{-1} in (c), and in steps of 10 km s^{-1} in (d).

NGC 2782

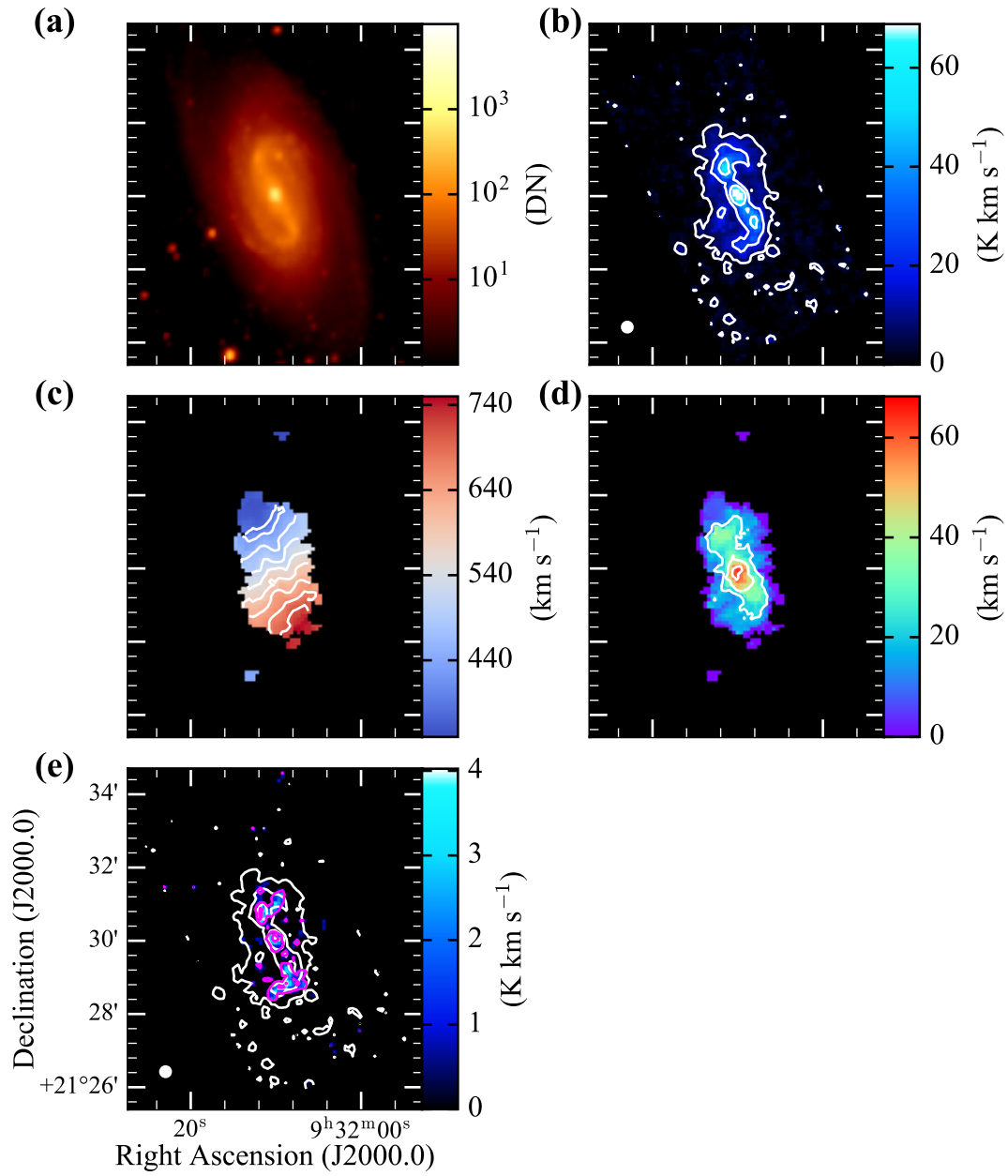


Supplementary fig. 36. Same as figure 12, but for NGC 2782. The contours are plotted at 10% and 45% of the maximum intensity of $28.37 \text{ K km s}^{-1}$ in (b).



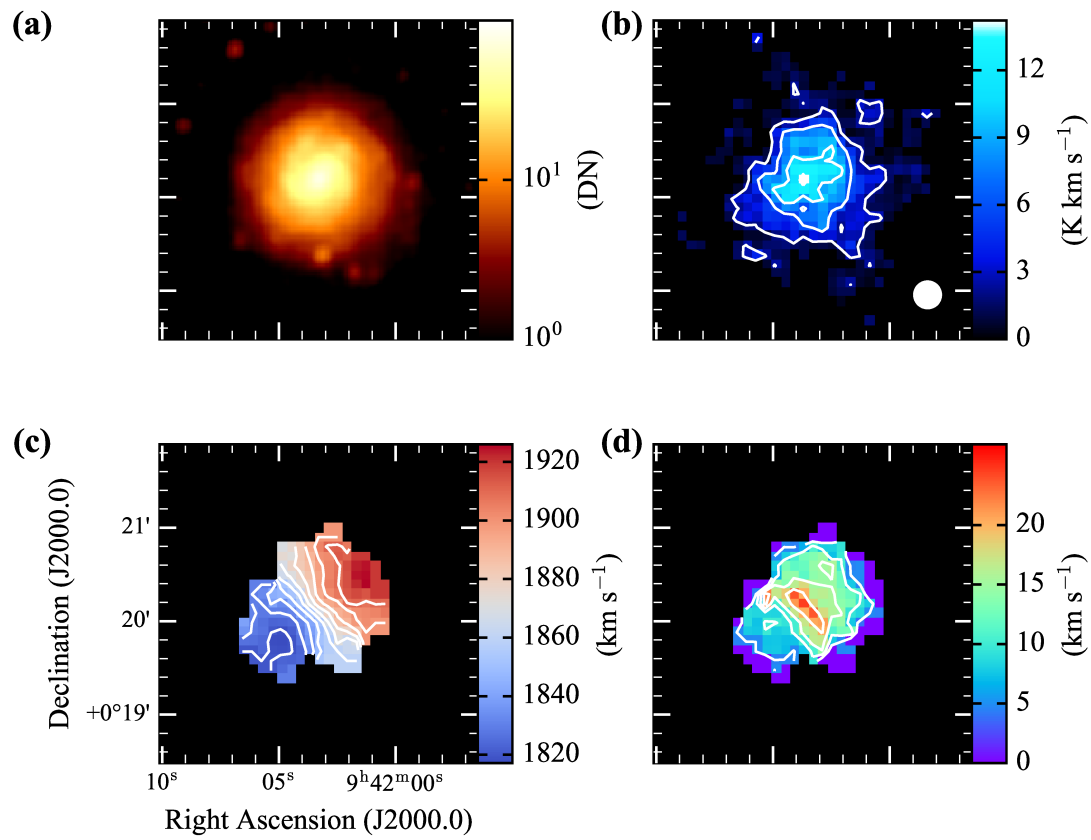
Supplementary fig. 37. Same as figure 12, but for NGC 2841. The contours are plotted at 35%, 60%, and 85% of the maximum intensity of $11.90 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 60 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 35% and 70% of the maximum intensity of 1.88 K km s^{-1} in (e) (*magenta*).

NGC 2903



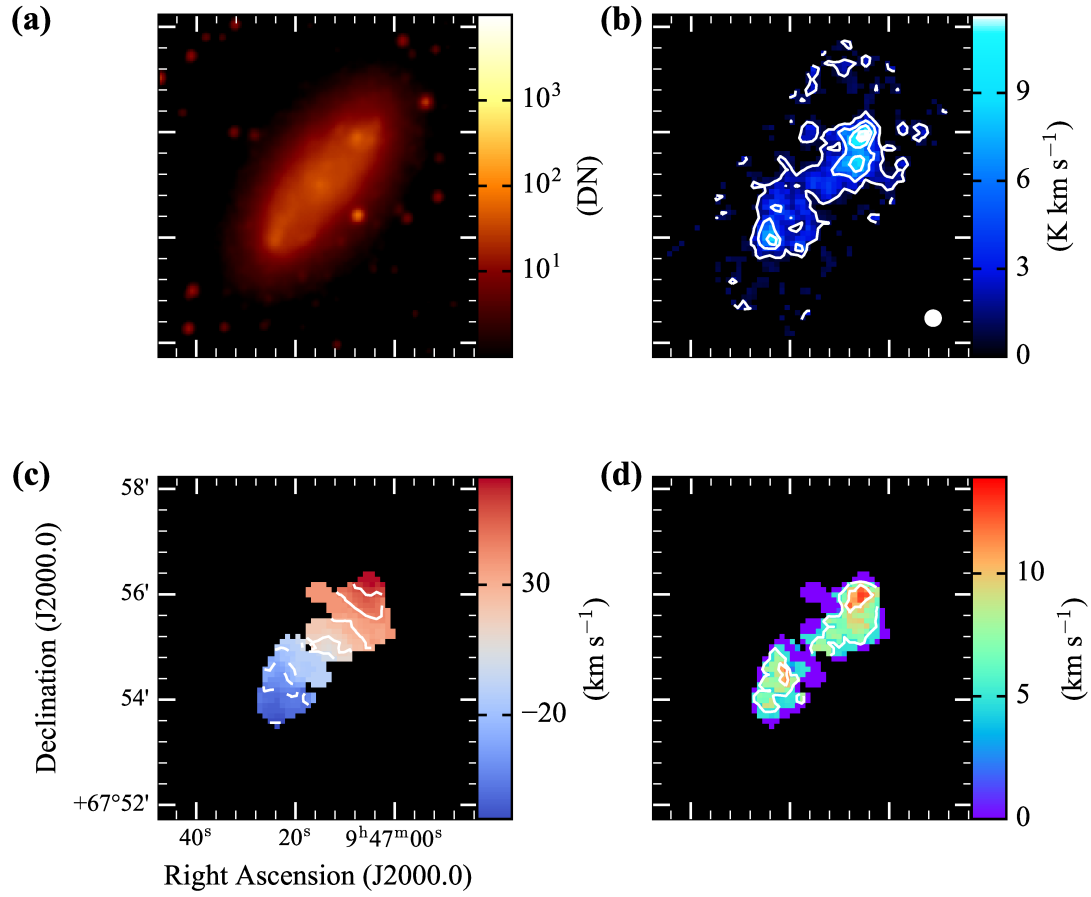
Supplementary fig. 38. Same as figure 12, but for NGC 2903. The contours are plotted at 5%, 20%, and 45% of the maximum intensity of $97.00 \text{ K km s}^{-1}$ in (b) and (e) (white), in steps of 40 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 15% and 65% of the maximum intensity of 5.93 K km s^{-1} in (e) (magenta).

NGC 2967



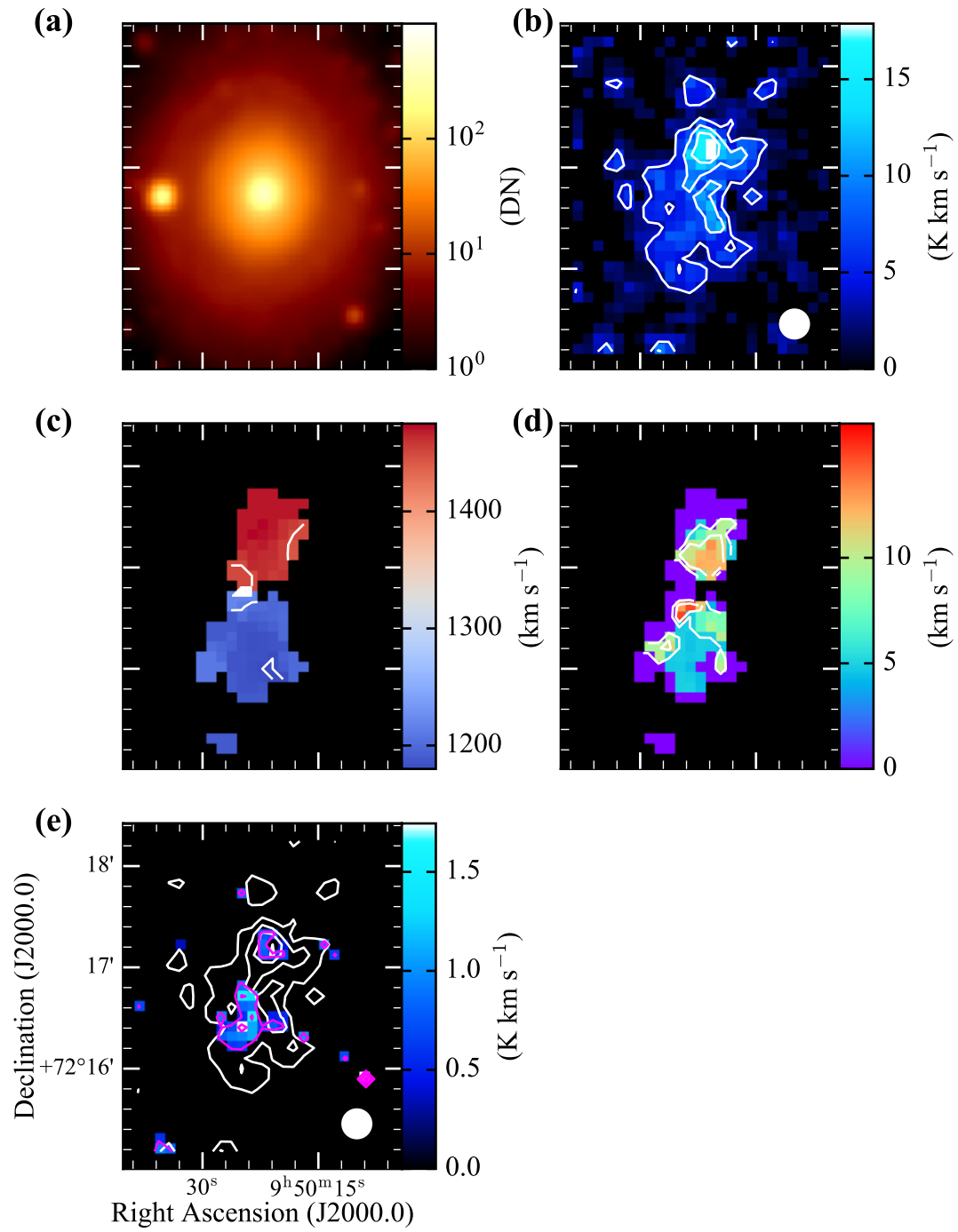
Supplementary fig. 39. Same as figure 12, but for NGC 2967. The contours are plotted at 15%, 40%, 65%, and 90% of the maximum intensity of $15.42 \text{ K km s}^{-1}$ in (b), in steps of 10 km s^{-1} in (c), and in steps of 5 km s^{-1} in (d).

NGC 2976

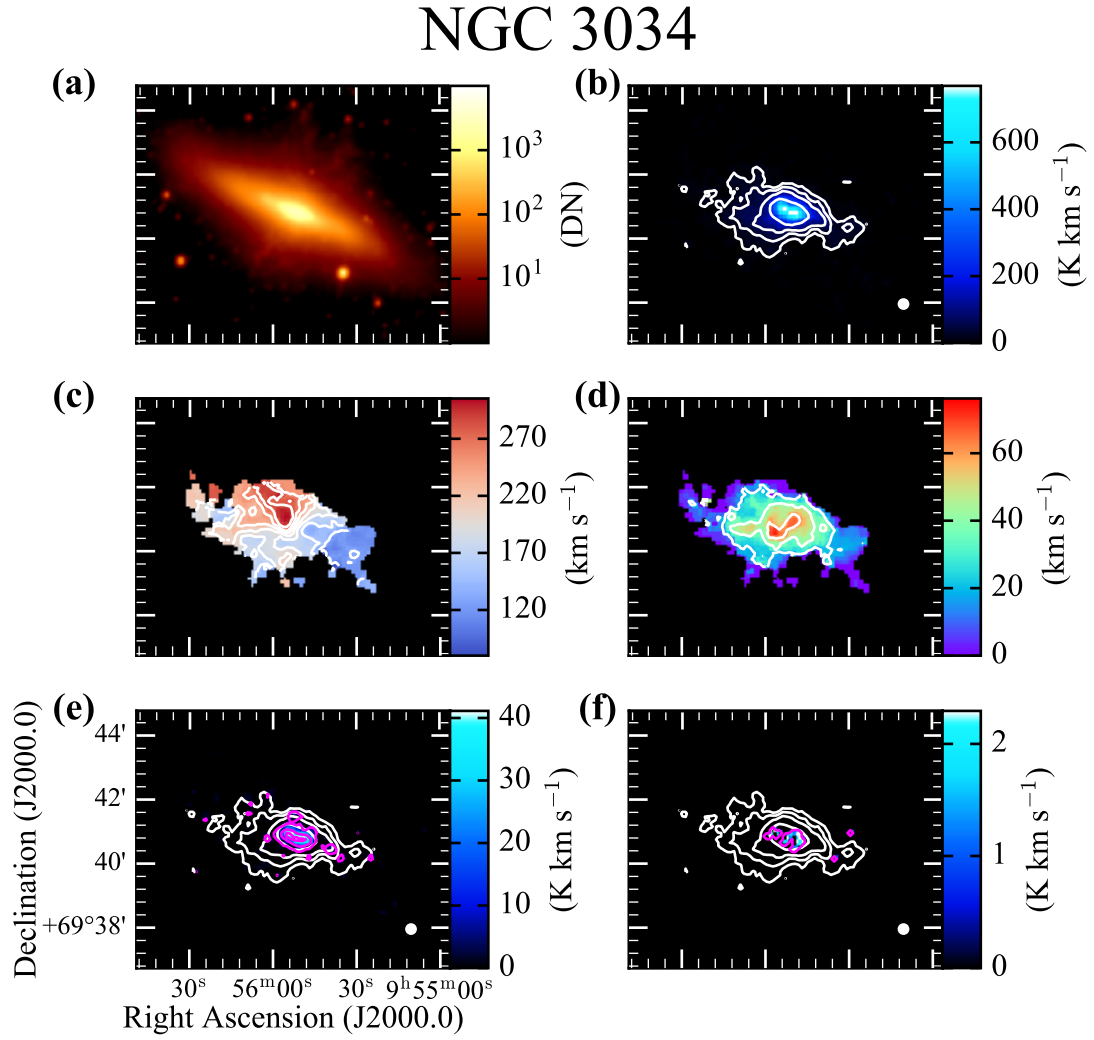


Supplementary fig. 40. Same as figure 12, but for NGC 2976. The contours are plotted at 10%, 35%, 60%, and 85% of the maximum intensity of $13.04 \text{ K km s}^{-1}$ in (b), in steps of 15 km s^{-1} in (c) (dashed contours indicate negative velocity), and in steps of 5 km s^{-1} in (d).

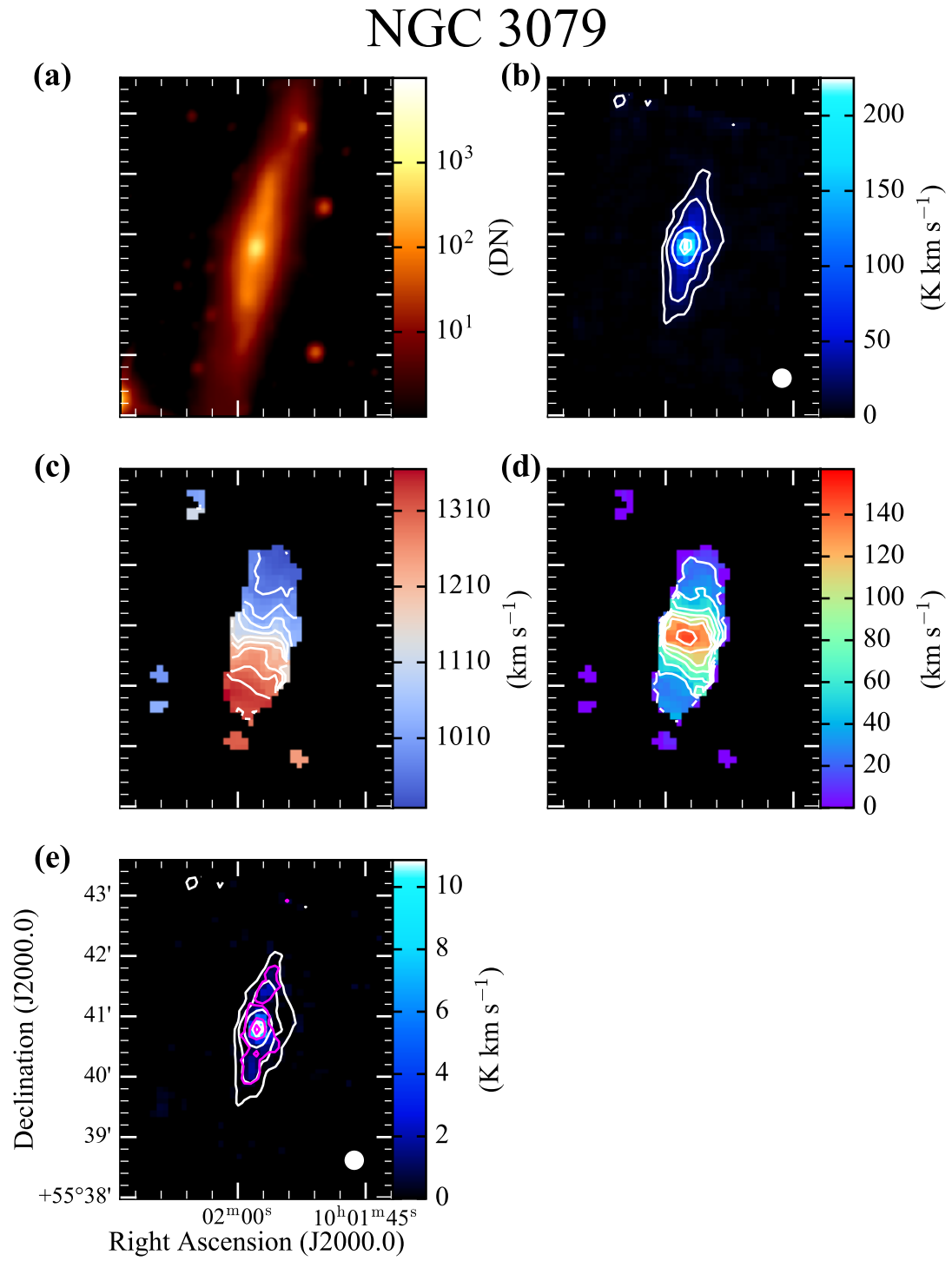
NGC 2985



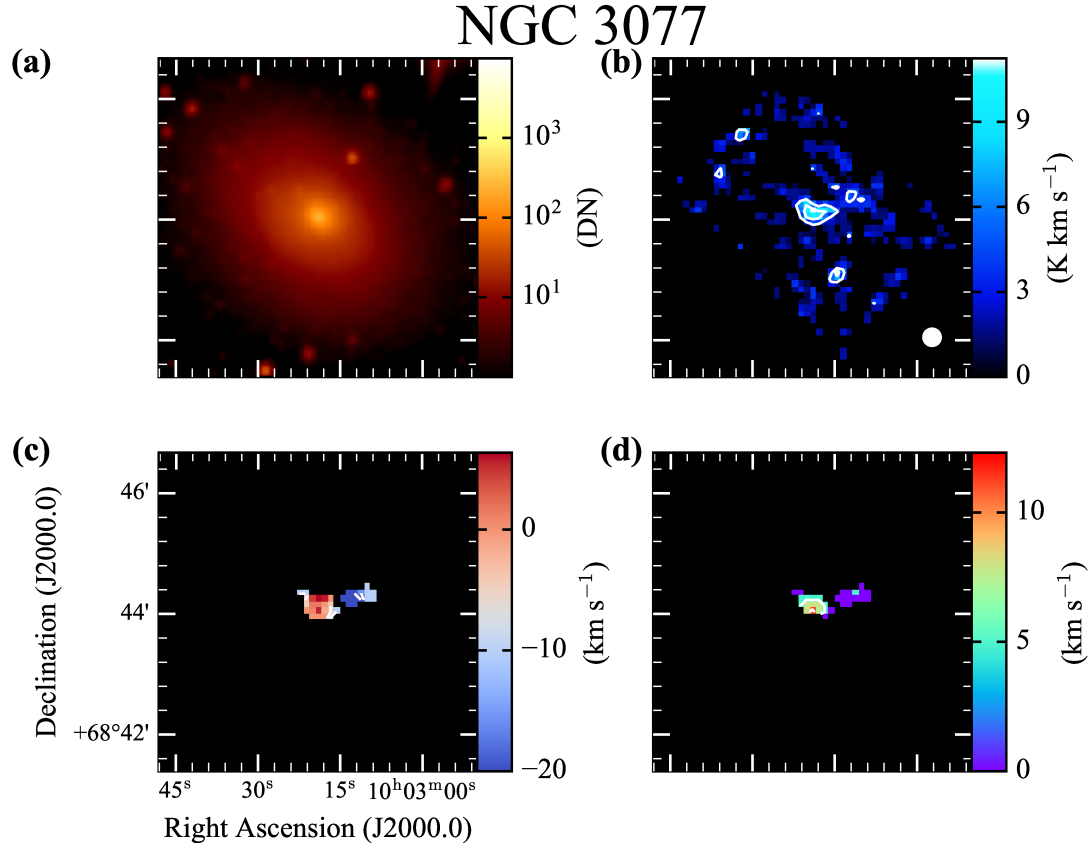
Supplementary fig. 41. Same as figure 12, but for NGC 2985. The contours are plotted at 20%, 45%, 70%, and 95% of the maximum intensity of $19.76 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 30 km s^{-1} in (c), in steps of 5 km s^{-1} in (d), and at 20%, 50%, and 80% of the maximum intensity of 2.90 K km s^{-1} in (e) (*magenta*).



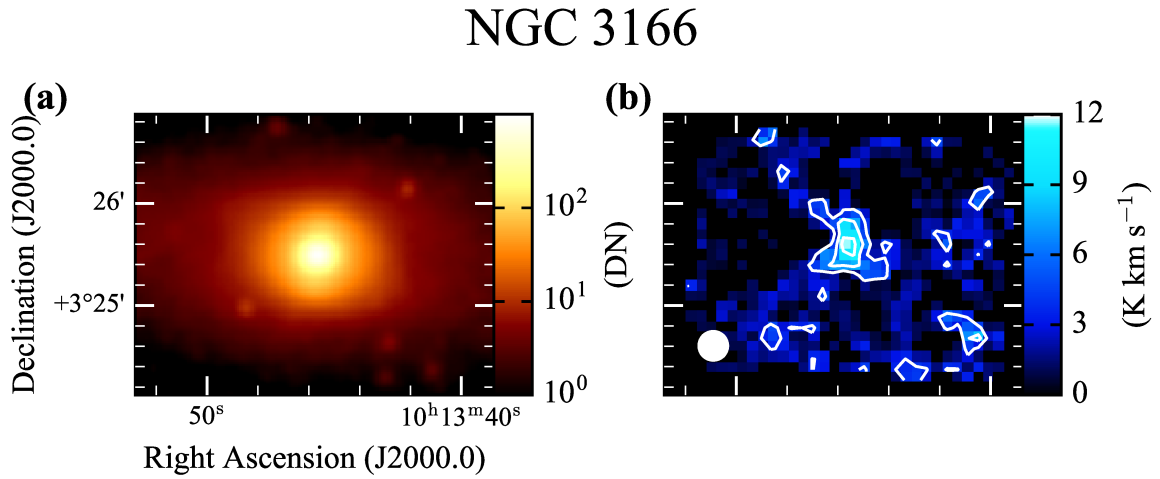
Supplementary fig. 42. Same as figure 12, but for NGC 3034. The contours are plotted at 2%, 5%, 10%, and 30% of the maximum intensity of $826.48 \text{ K km s}^{-1}$ in (b), (e), and (f) (*white*), and (f) (*white*), in steps of 25 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), at 4%, 44%, and 84% of the maximum intensity of $45.83 \text{ K km s}^{-1}$ in (e) (*magenta*), and at 4% of the maximum intensity of 3.58 K km s^{-1} in (f) (*magenta*).



Supplementary fig. 43. Same as figure 12, but for NGC 3079. The contours are plotted at 4%, 10%, 30%, and 80% of the maximum intensity of $250.49 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 45 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 4%, 44%, and 84% of the maximum intensity of $15.72 \text{ K km s}^{-1}$ in (e) (*magenta*).

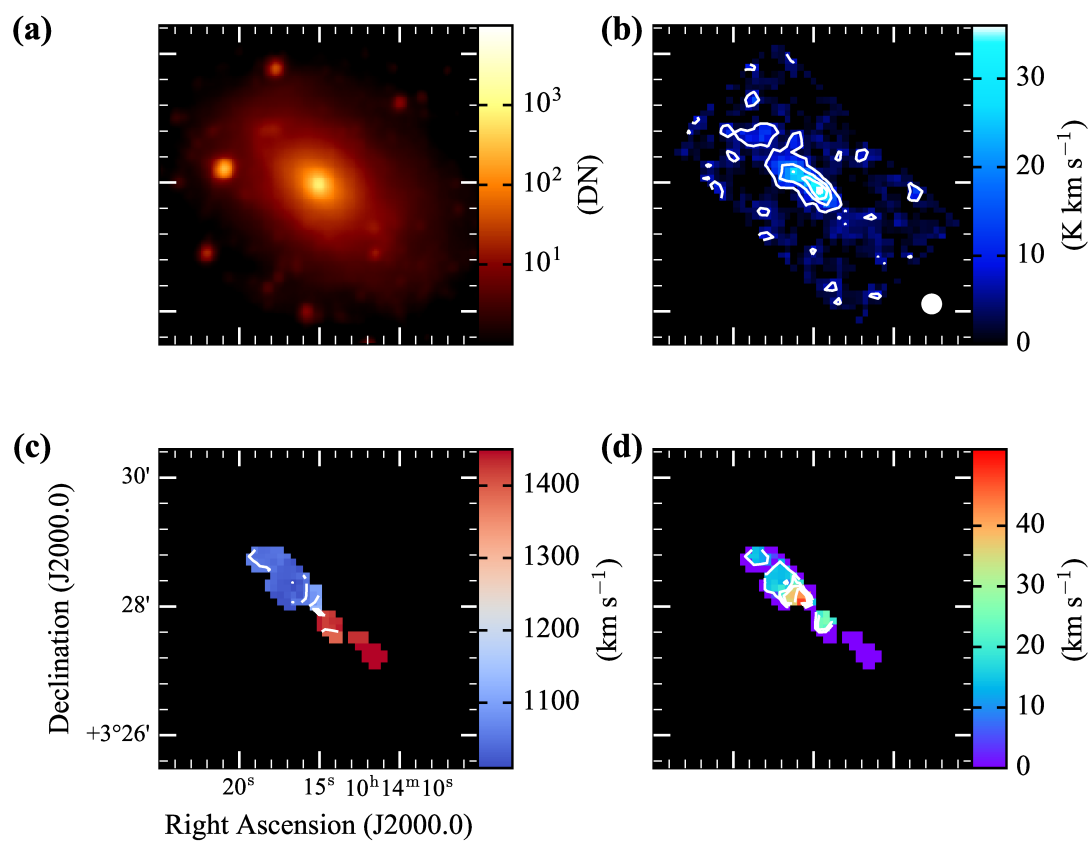


Supplementary fig. 44. Same as figure 12, but for NGC 3077. The contours are plotted at 35% and 75% of the maximum intensity of $11.72 \text{ K km s}^{-1}$ in (b) and in steps of 5 km s^{-1} in (c) and (d).

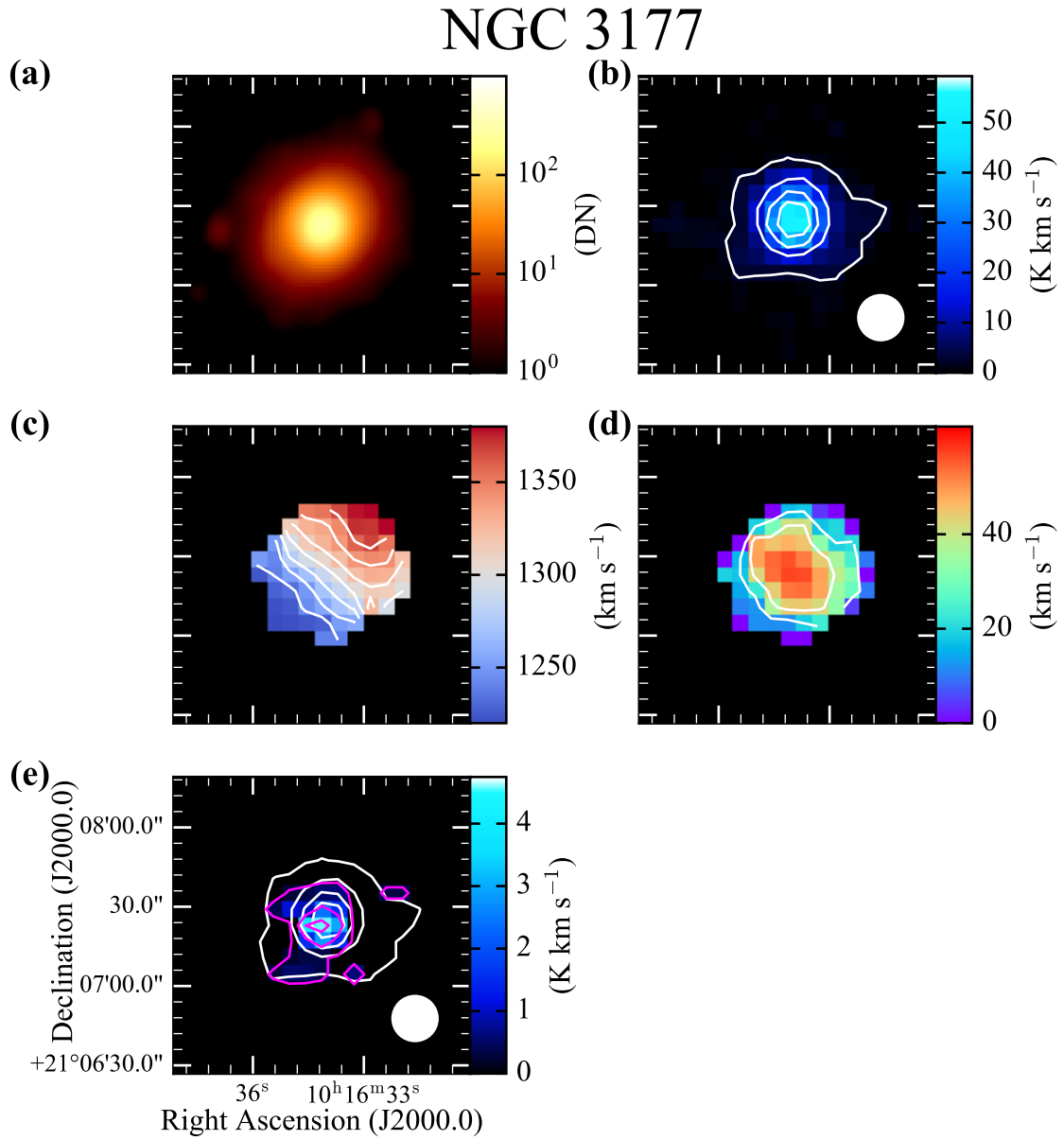


Supplementary fig. 45. Same as figure 12, but for NGC 3166 and the OTF beam size is indicated in the bottom left corner in panel (b). The contours are plotted at 30%, 60%, and 90% of the maximum intensity of $11.77 \text{ K km s}^{-1}$ in (b).

NGC 3169

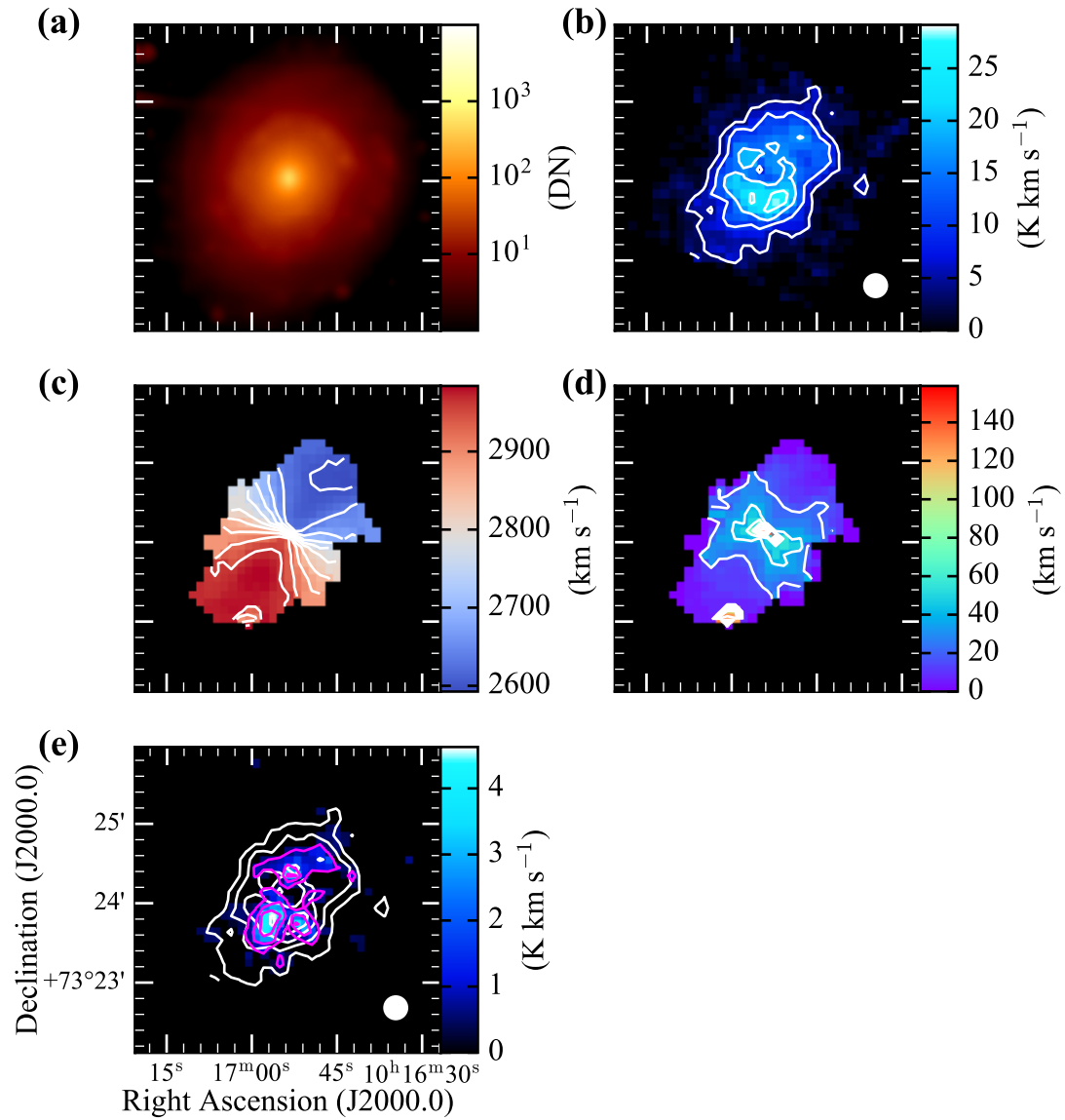


Supplementary fig. 46. Same as figure 12, but for NGC3169. The contours are plotted at 15%, 40%, 65%, and 90% of the maximum intensity of $42.89 \text{ K km s}^{-1}$ in (b), in steps of 45 km s^{-1} in (c), and in steps of 10 km s^{-1} in (d).



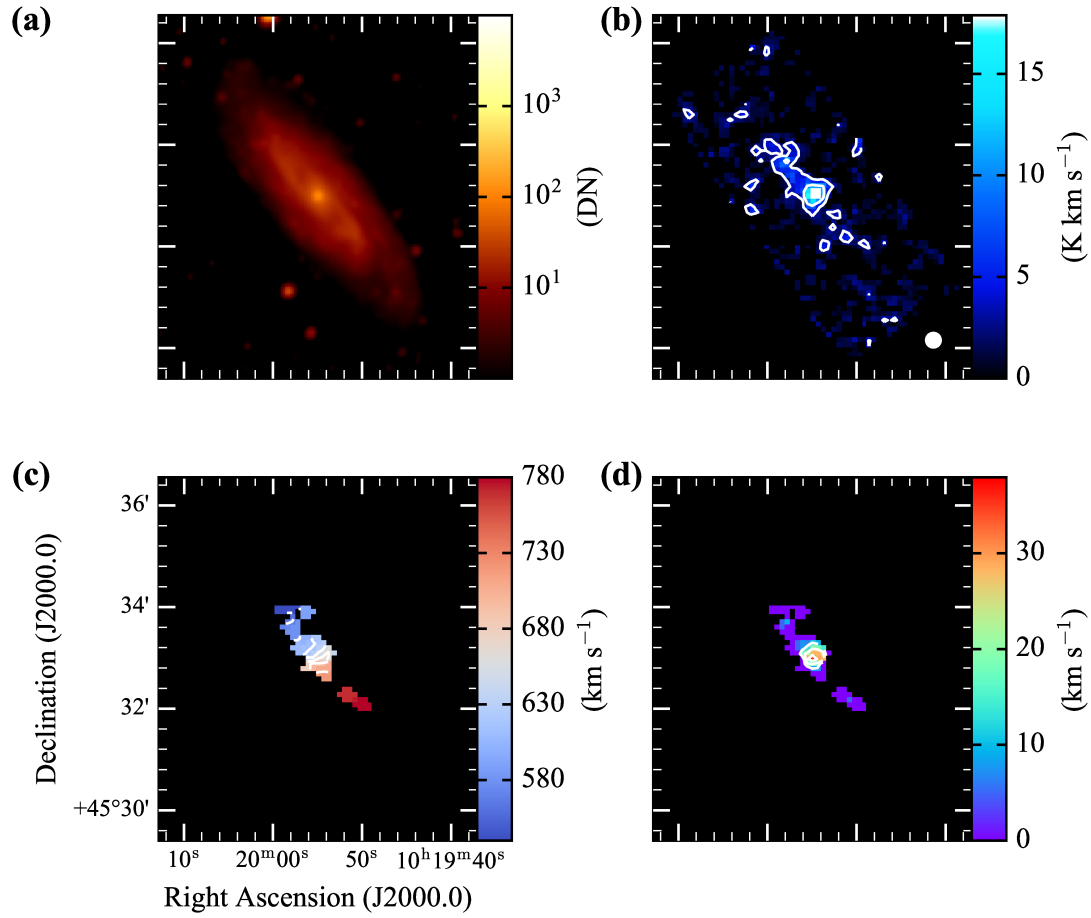
Supplementary fig. 47. Same as figure 12, but for NGC 3177. The contours are plotted at 5%, 30%, 55%, and 80% of the maximum intensity of $54.35 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 20 km s^{-1} in (c) and (d), and at 5%, 45%, and 85% of the maximum intensity of 4.58 K km s^{-1} in (e) (*magenta*).

NGC 3147



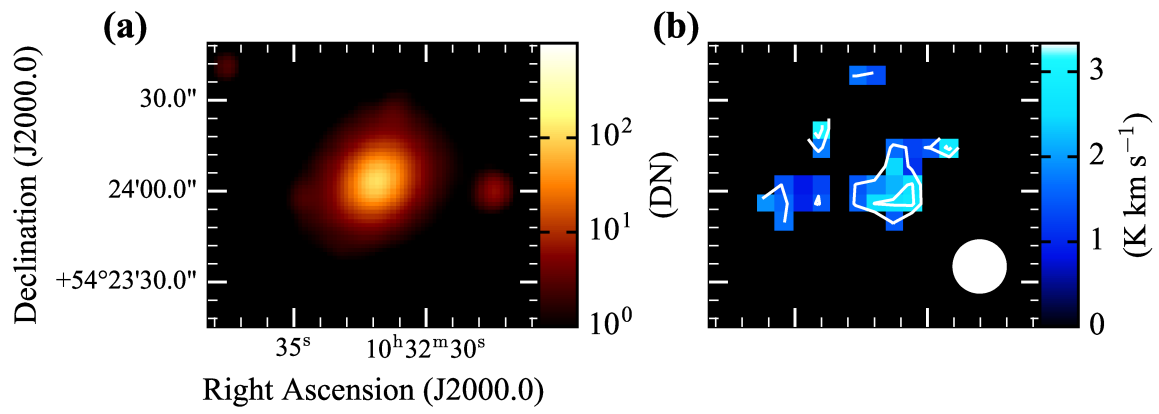
Supplementary fig. 48. Same as figure 12, but for NGC 3147. The contours are plotted at 15%, 35%, 60%, and 85% of the maximum intensity of 28.43 K km s^{-1} in (b) and (e) (*white*), in steps of 40 K km s^{-1} in (c), in steps of 20 K km s^{-1} in (d), and at 15%, 45%, and 75% of the maximum intensity of 4.57 K km s^{-1} in (e) (*magenta*).

NGC 3198



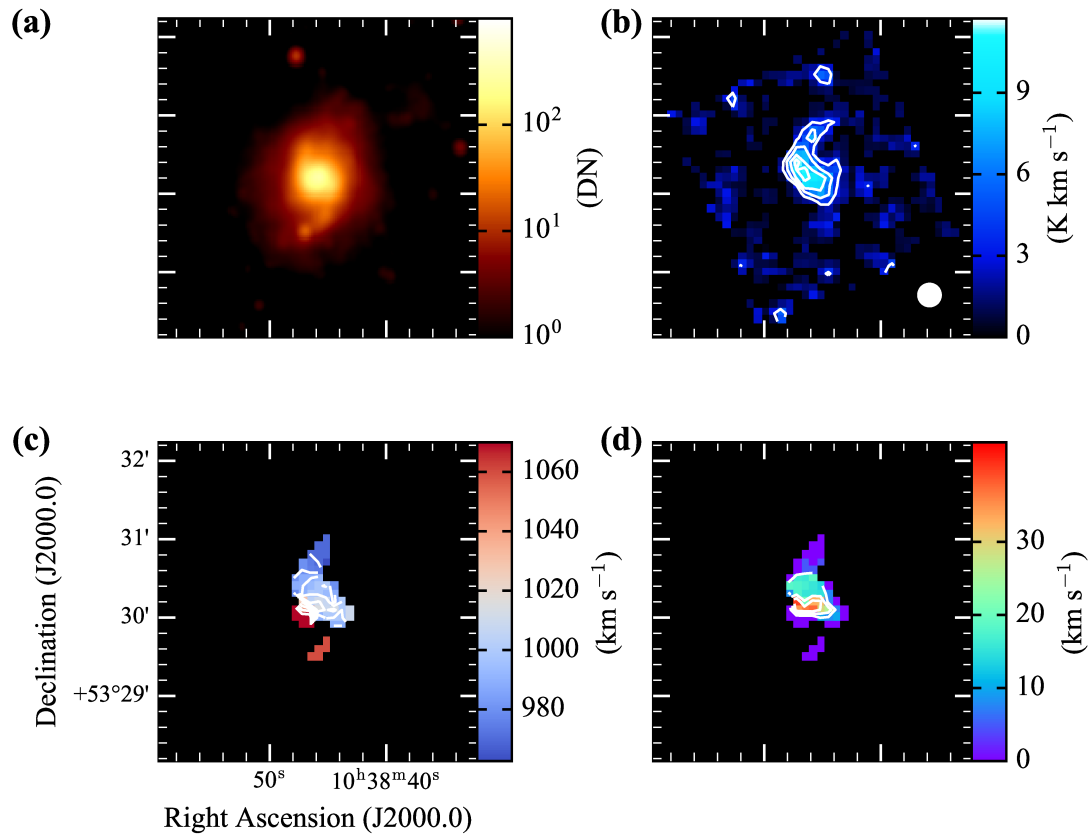
Supplementary fig. 49. Same as figure 12, but for NGC 3198. The contours are plotted at 15 % and 45 % of the maximum intensity of $20.87 \text{ K km s}^{-1}$ in (b), in steps of 25 km s^{-1} in (c), and in steps of 10 km s^{-1} in (d).

Mrk 33



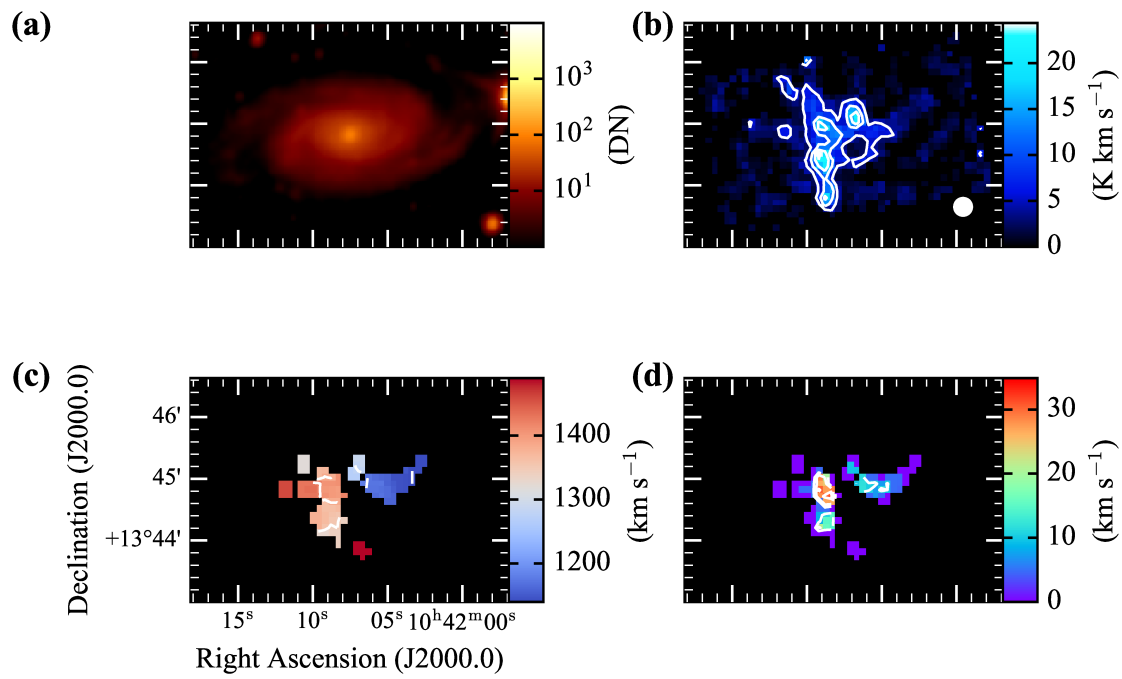
Supplementary fig. 50. Same as figure 12, but for Mrk 33. The contours are plotted at 45 % and 80 % of the maximum intensity of 3.11 K km s^{-1} in (b).

NGC 3310



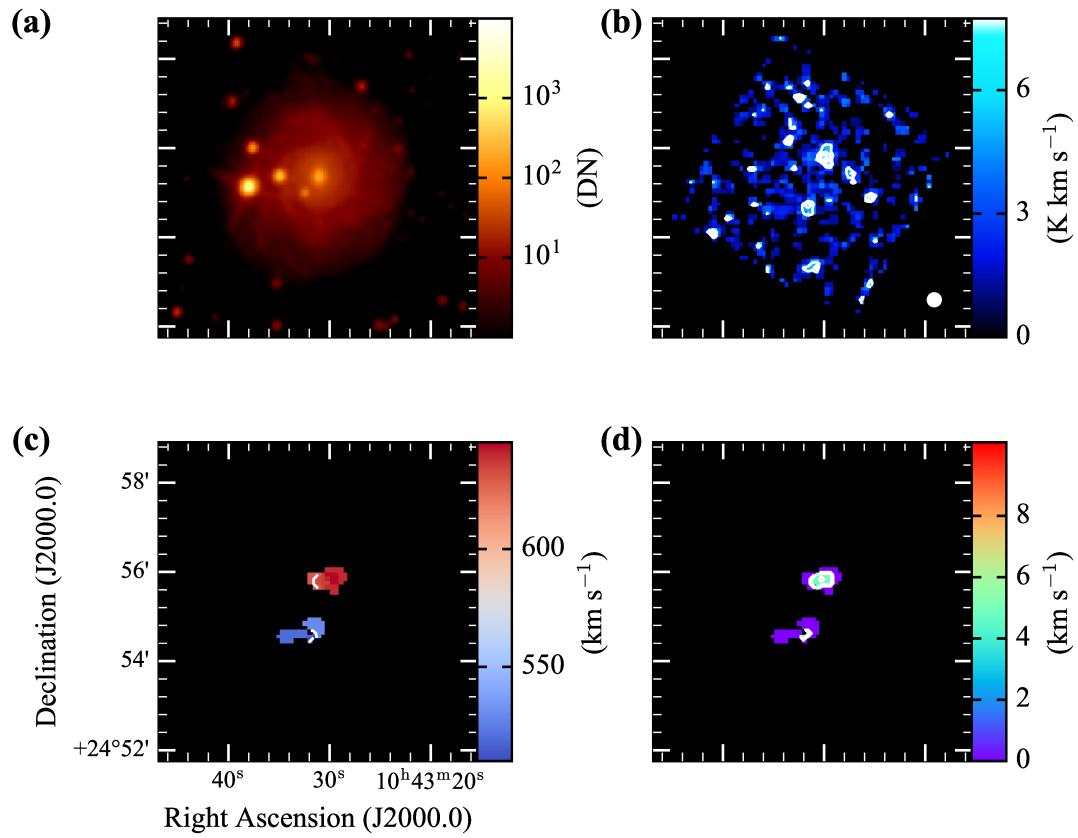
Supplementary fig. 51. Same as figure 12, but for NGC3310. The contours are plotted at 30%, 50%, 70%, and 90% of the maximum intensity of $11.34 \text{ K km s}^{-1}$ in (b) and in steps of 10 km s^{-1} in (c) and (d).

NGC 3338

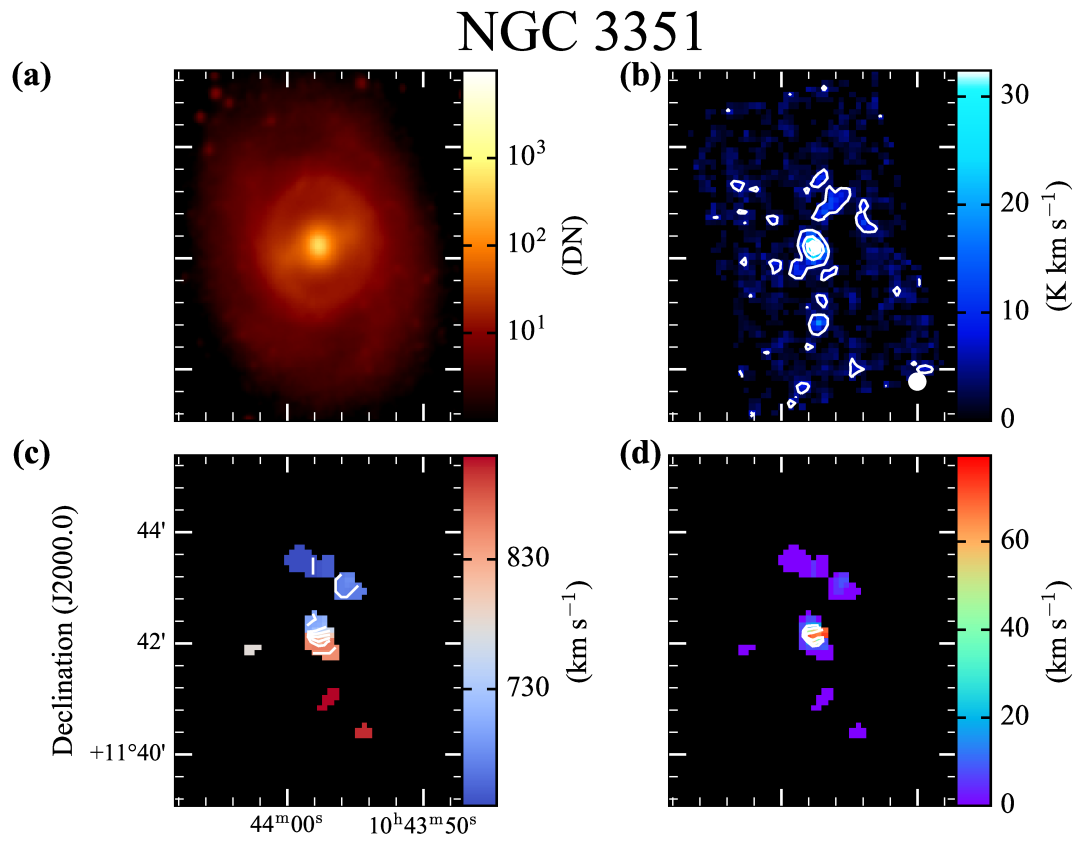


Supplementary fig. 52. Same as figure 12, but for NGC 3338. The contours are plotted at 20%, 45%, 70%, and 95% of the maximum intensity of $24.19 \text{ K km s}^{-1}$ in (b), in steps of 35 km s^{-1} in (c), and in steps of 10 km s^{-1} in (d).

NGC 3344

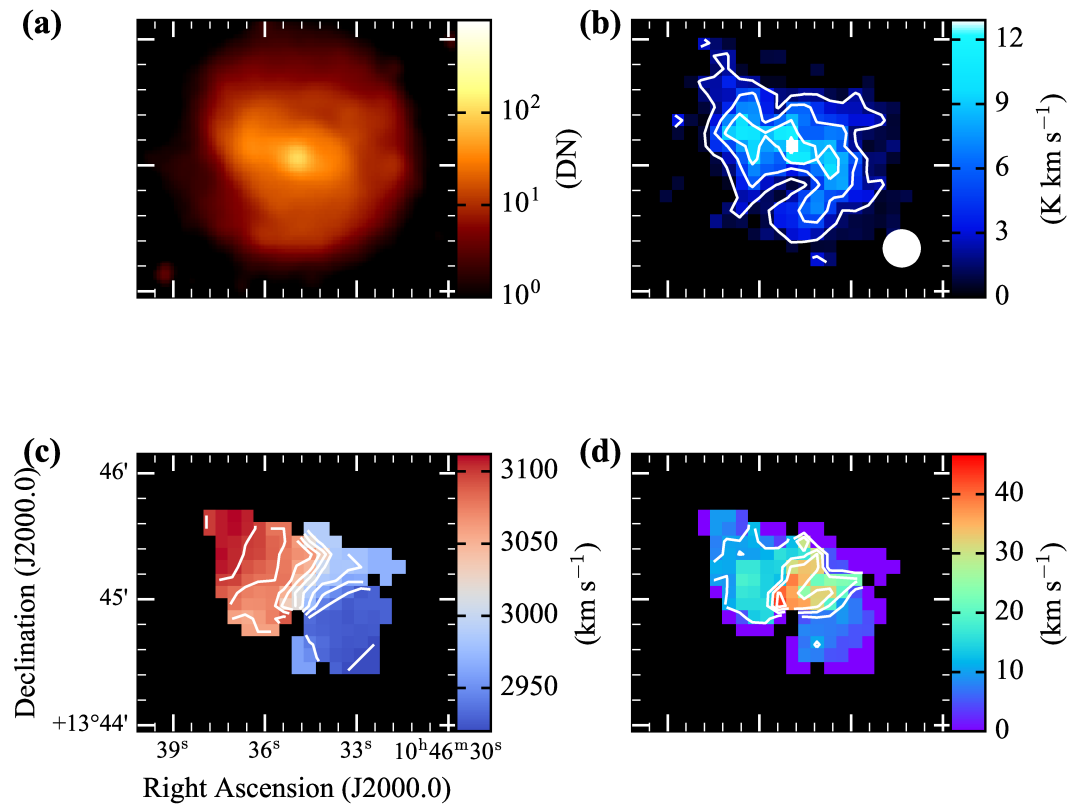


Supplementary fig. 53. Same as figure 12, but for NGC3344. The contours are plotted at 45%, 60%, 75%, and 90% of the maximum intensity of 9.28 K km s^{-1} in (b), in steps of 15 km s^{-1} in (c), and in steps of 2 km s^{-1} in (d).



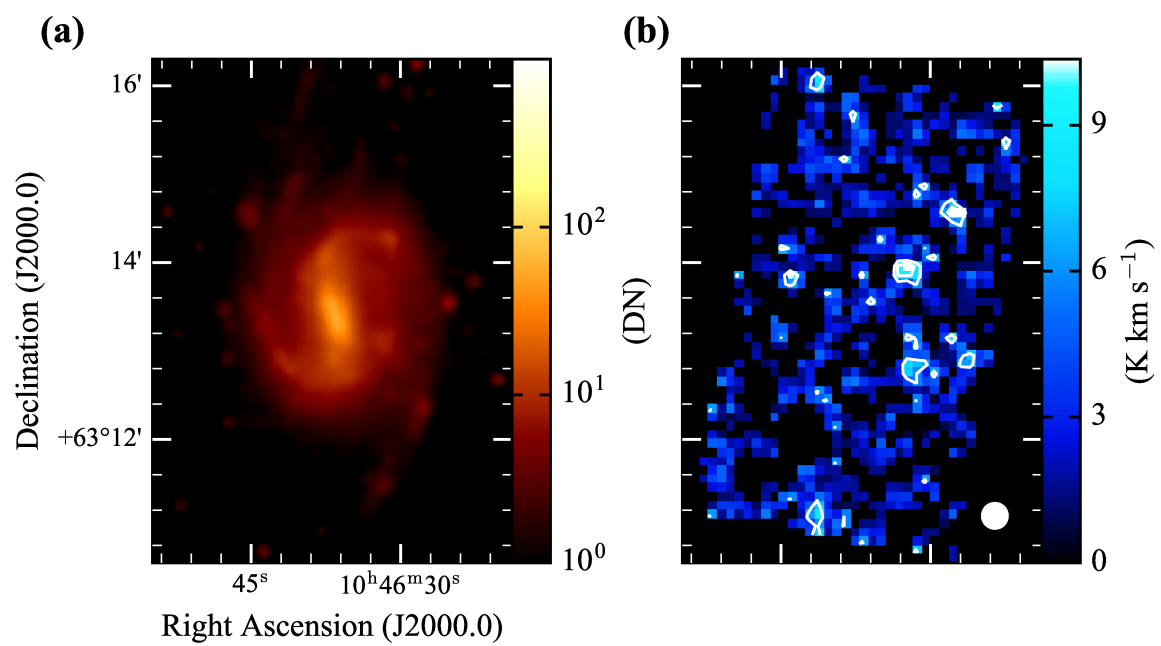
Supplementary fig. 54. Same as figure 12, but for NGC 3351. The contours are plotted at 10%, 35%, 60%, and 85% of the maximum intensity of $55.17 \text{ K km s}^{-1}$ in (b), in steps of 30 km s^{-1} in (c), and in steps of 20 km s^{-1} in (d).

NGC 3367



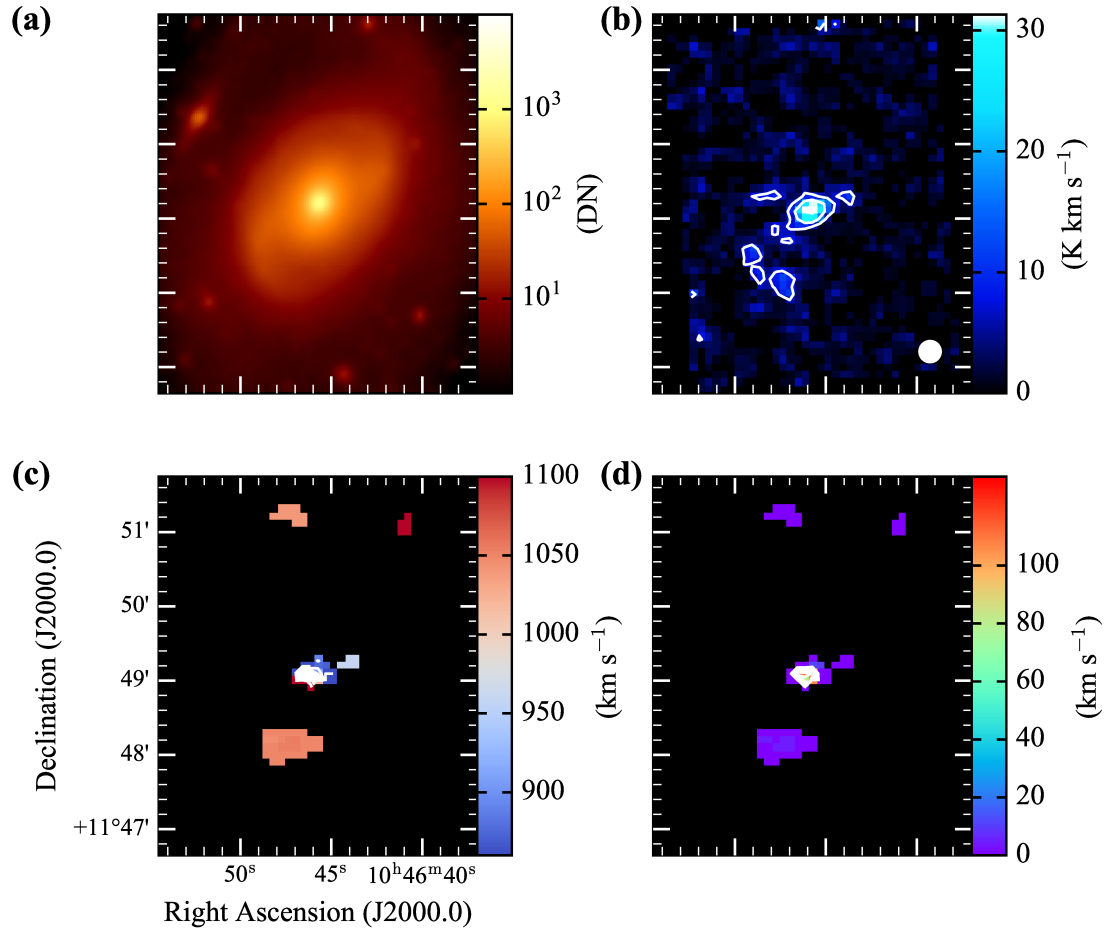
Supplementary fig. 55. Same as figure 12, but for NGC3367. The contours are plotted at 15%, 40%, 65%, and 90% of the maximum intensity of $13.14 \text{ K km s}^{-1}$ in (b), in steps of 20 km s^{-1} in (c), and in steps of 10 km s^{-1} in (d).

NGC 3359

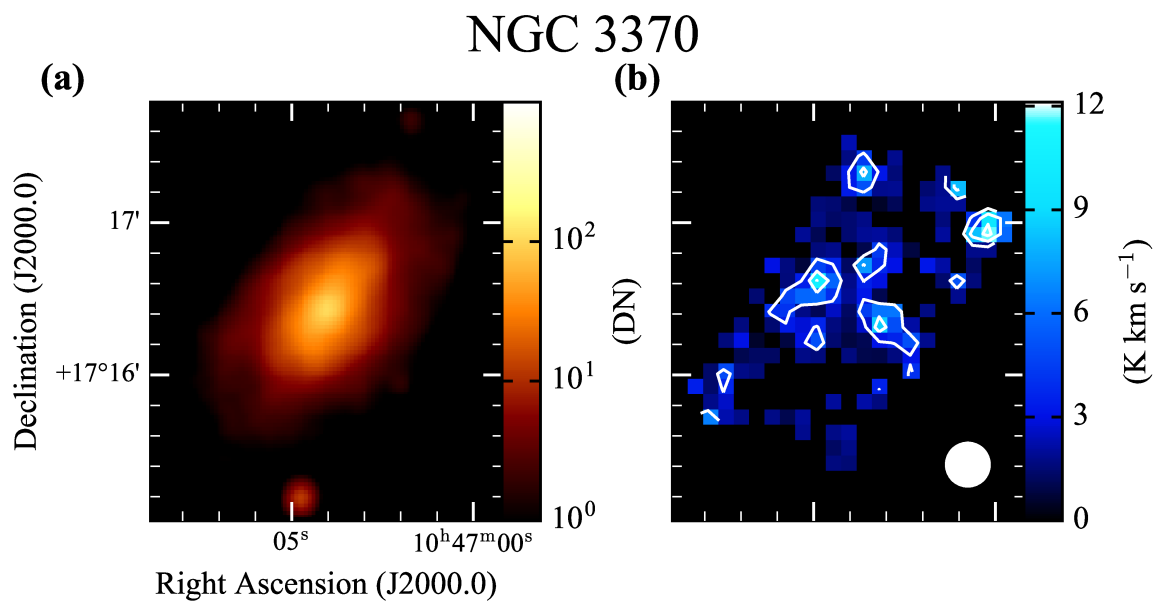


Supplementary fig. 56. Same as figure 12, but for NGC 3359. The contours are plotted at 50% and 80% of the maximum intensity of $11.02 \text{ K km s}^{-1}$ in (b).

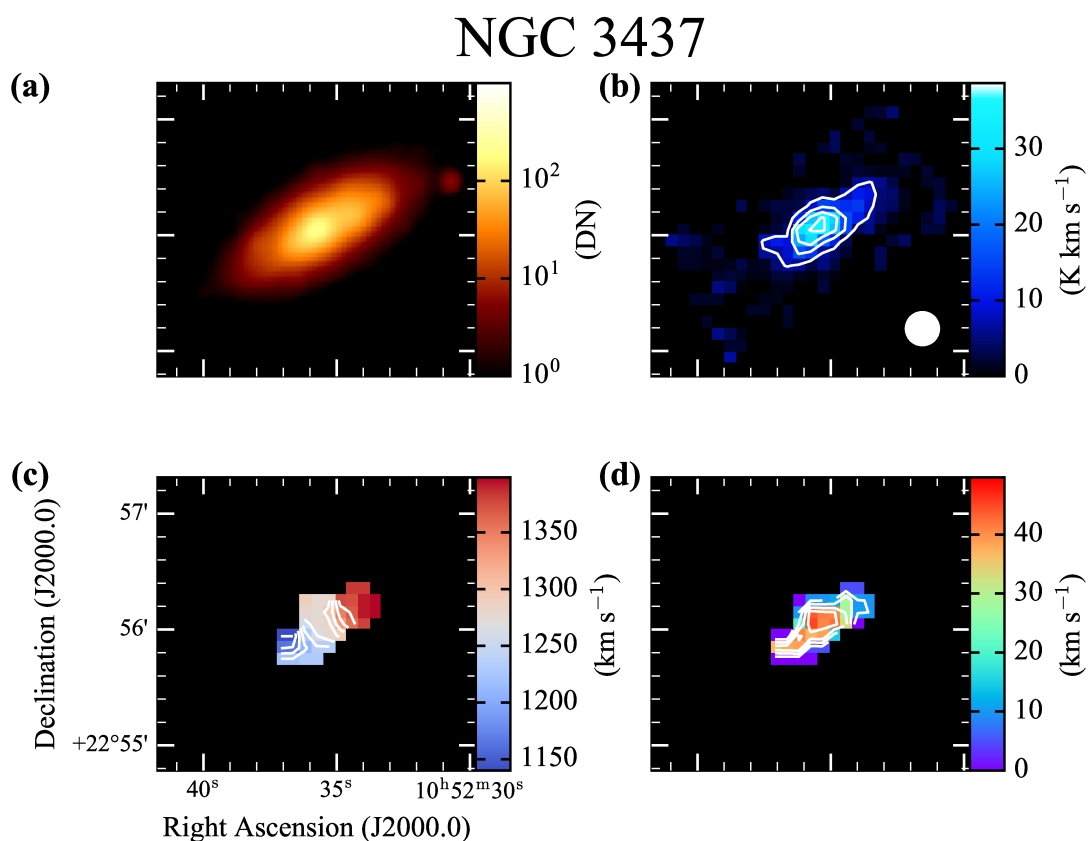
NGC 3368



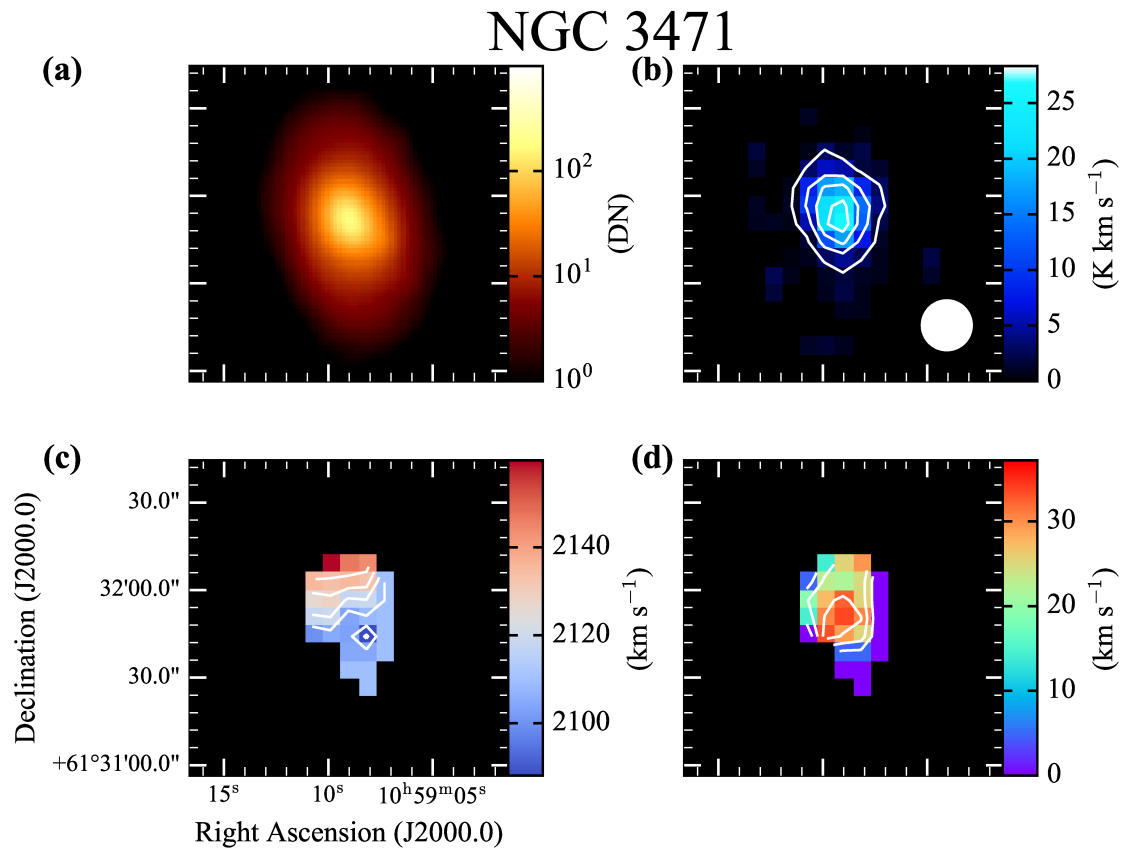
Supplementary fig. 57. Same as figure 12, but for NGC 3368. The contours are plotted at 15 %, 40 %, and 90 % of the maximum intensity of $47.27 \text{ K km s}^{-1}$ in (b), in steps of 25 km s^{-1} in (c), and in steps of 20 km s^{-1} in (d).



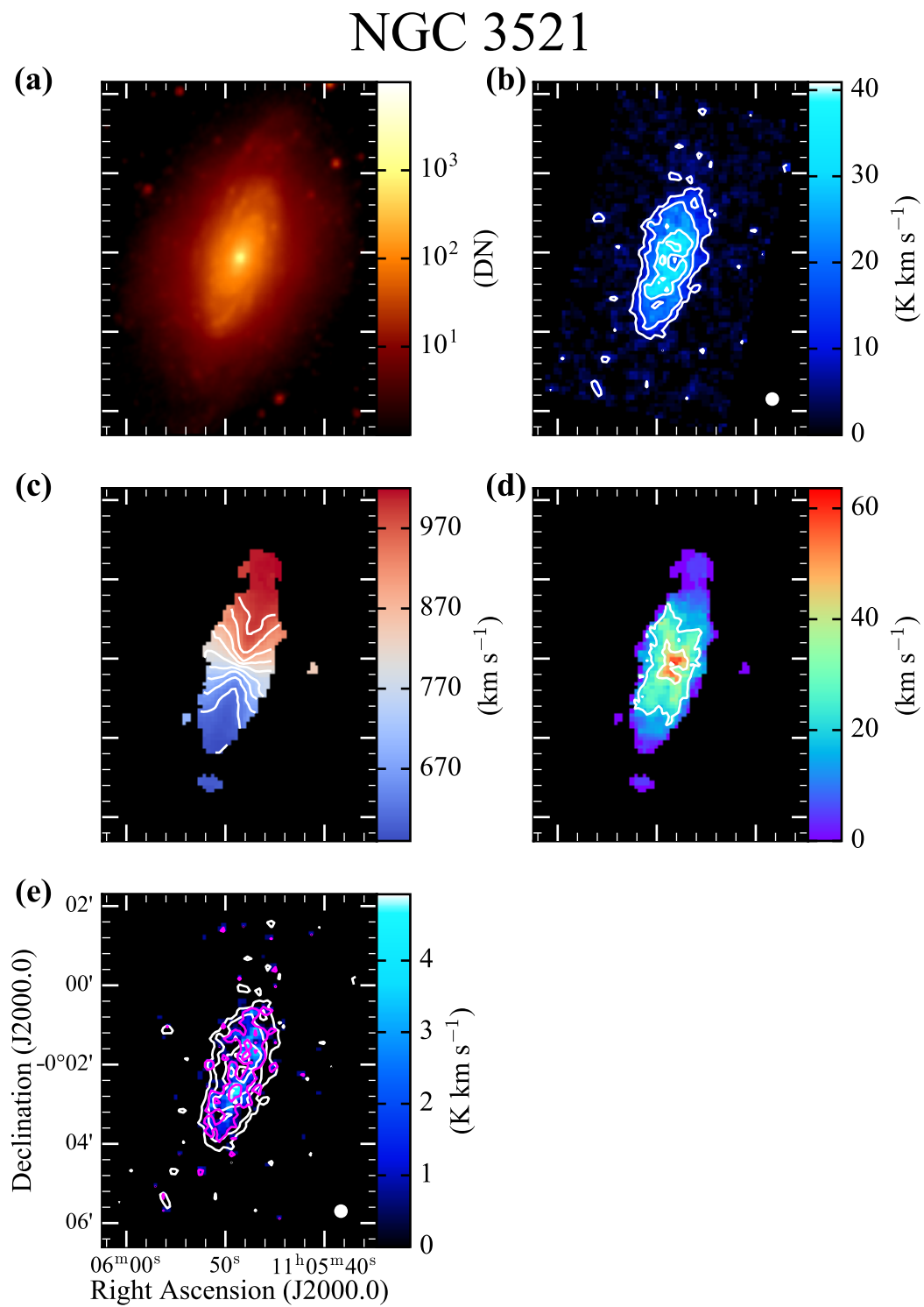
Supplementary fig. 58. Same as figure 12, but for NGC 3370. The contours are plotted at 30 %, 60 %, and 90 % of the maximum intensity of $11.70 \text{ K km s}^{-1}$ in (b).



Supplementary fig. 59. Same as figure 12, but for NGC 3437. The contours are plotted at 20 %, 45 %, 70 %, and 95 % of the maximum intensity of $35.56 \text{ K km s}^{-1}$ in (b), in steps of 25 km s^{-1} in (c), and in steps of 10 km s^{-1} in (d).

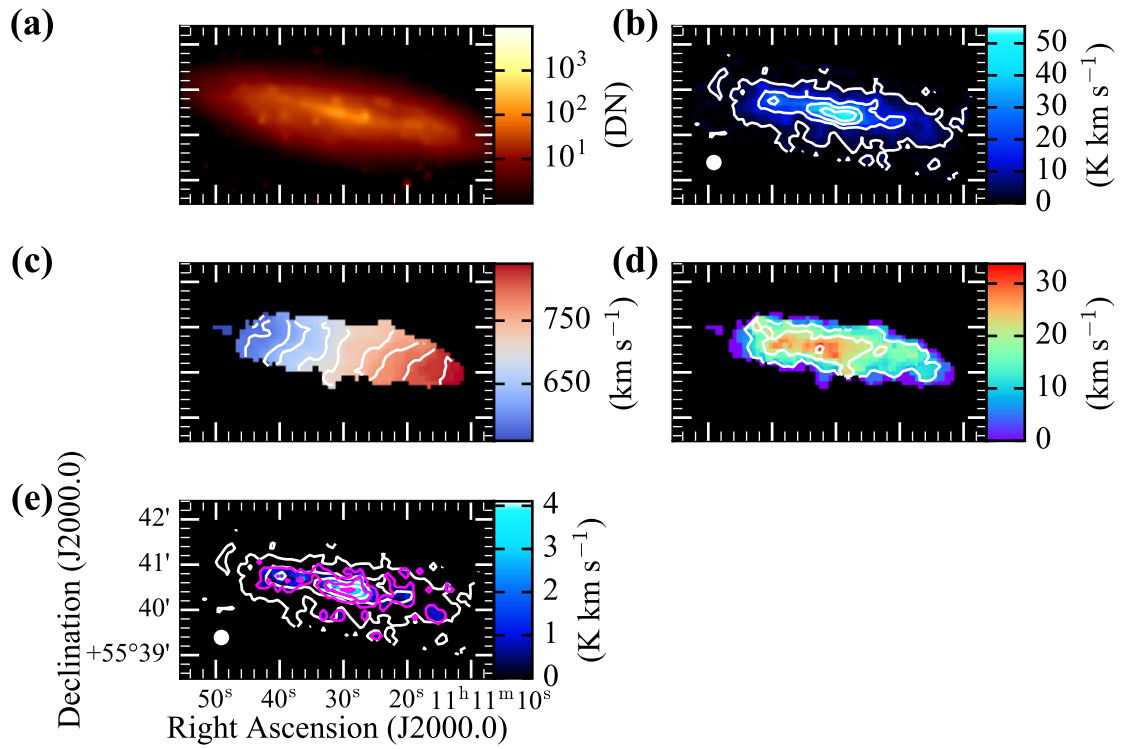


Supplementary fig. 60. Same as figure 12, but for NGC 3471. The contours are plotted at 10 %, 35 %, 60 %, and 85 % of the maximum intensity of $26.48 \text{ K km s}^{-1}$ in (b) and in steps of 10 km s^{-1} in (c) and (d).

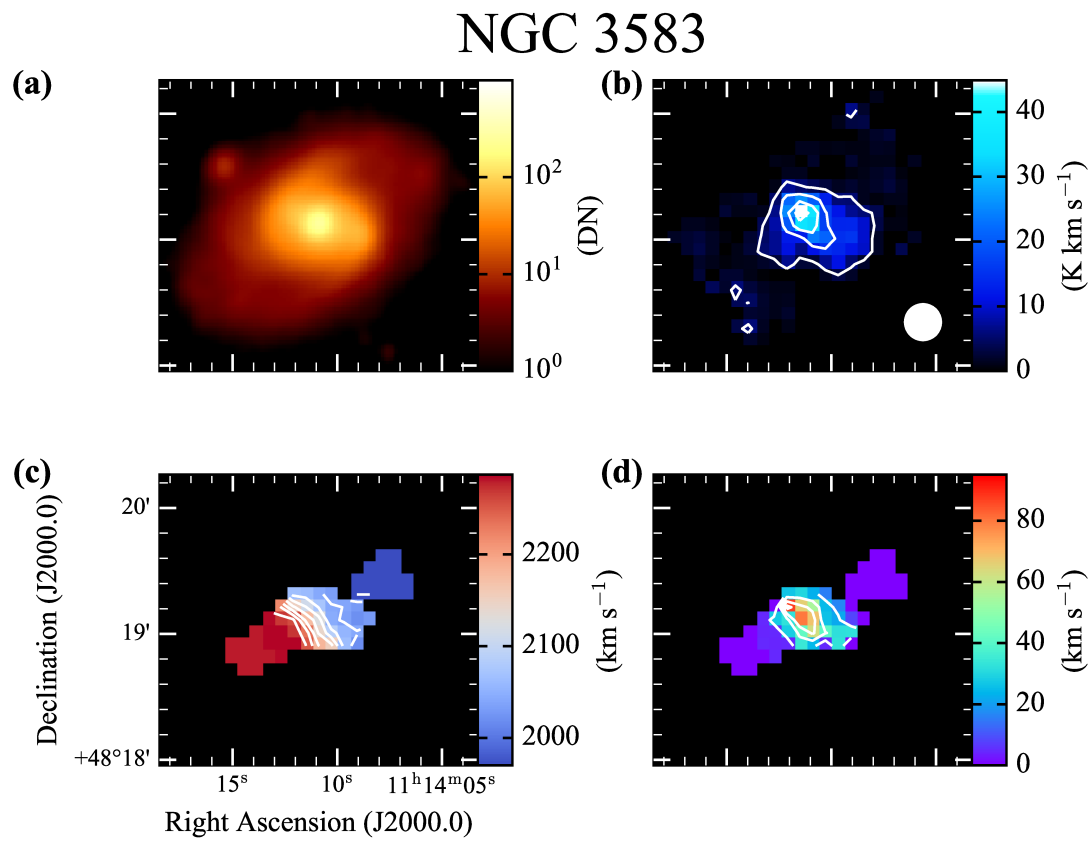


Supplementary fig. 61. Same as figure 12, but for NGC3521. The contours are plotted at 15%, 35%, 60%, and 80% of the maximum intensity of $45.62 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 45 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 15% and 65% of the maximum intensity of 5.51 K km s^{-1} in (e) (*magenta*).

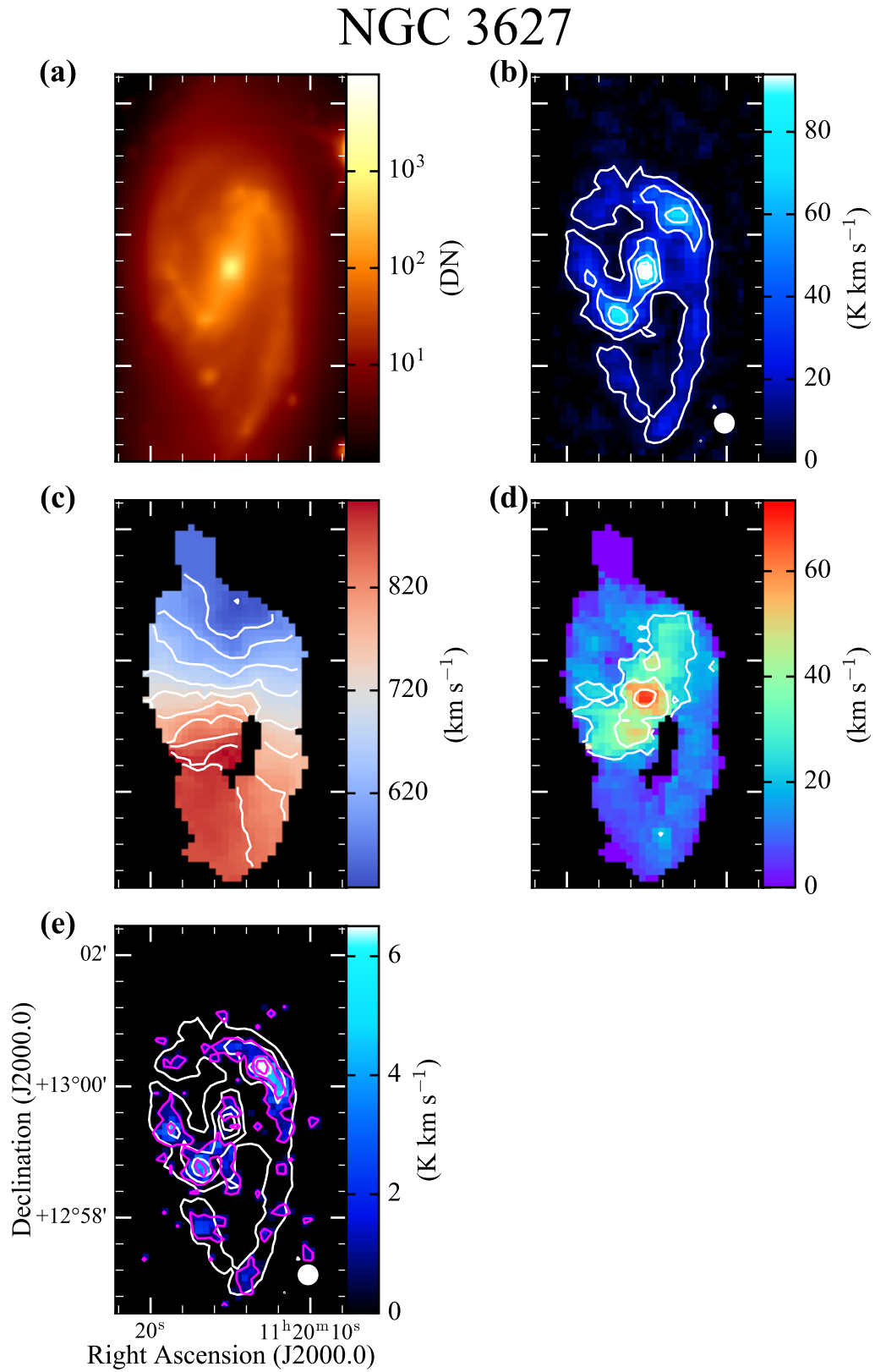
NGC 3556



Supplementary fig. 62. Same as figure 12, but for NGC 3556. The contours are plotted at 5%, 30%, 55%, and 80% of the maximum intensity of $53.23 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 30 km s^{-1} in (c), in steps of 10 km s^{-1} in (d), and at 5%, 45%, and 85% of the maximum intensity of 4.56 K km s^{-1} in (e) (*magenta*).

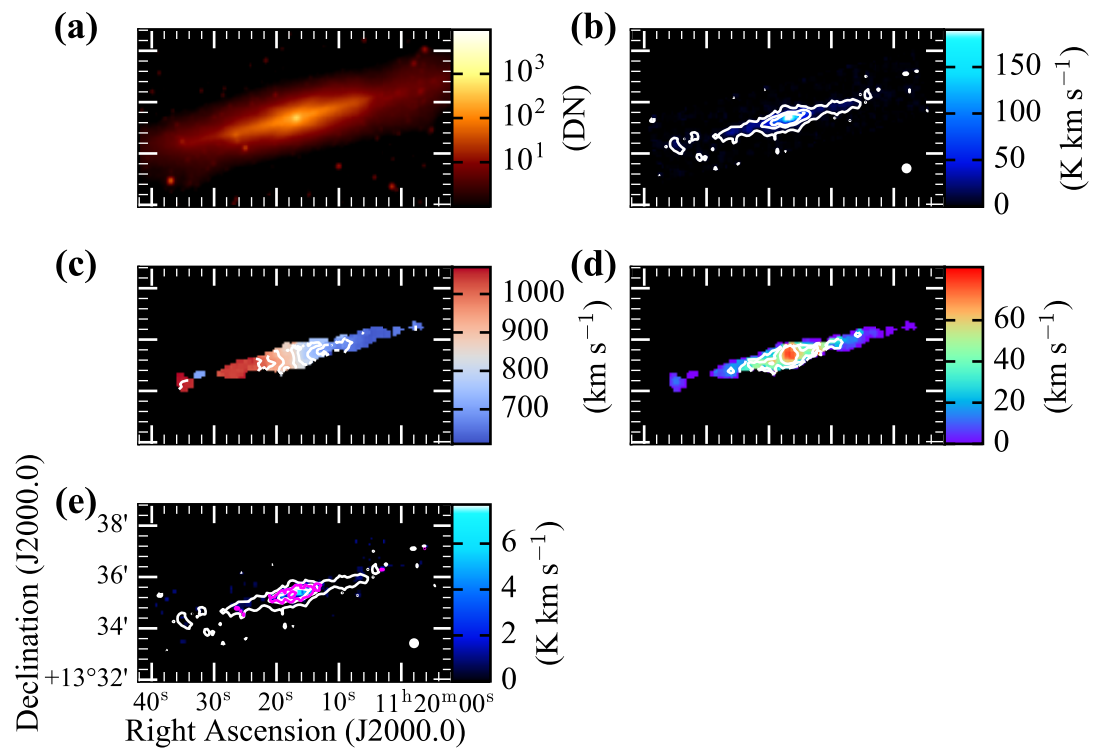


Supplementary fig. 63. Same as figure 12, but for NGC 3583. The contours are plotted at 10%, 35%, 60%, and 85% of the maximum intensity of $46.82 \text{ K km s}^{-1}$ in (b), in steps of 35 km s^{-1} in (c), and in steps of 20 km s^{-1} in (d).



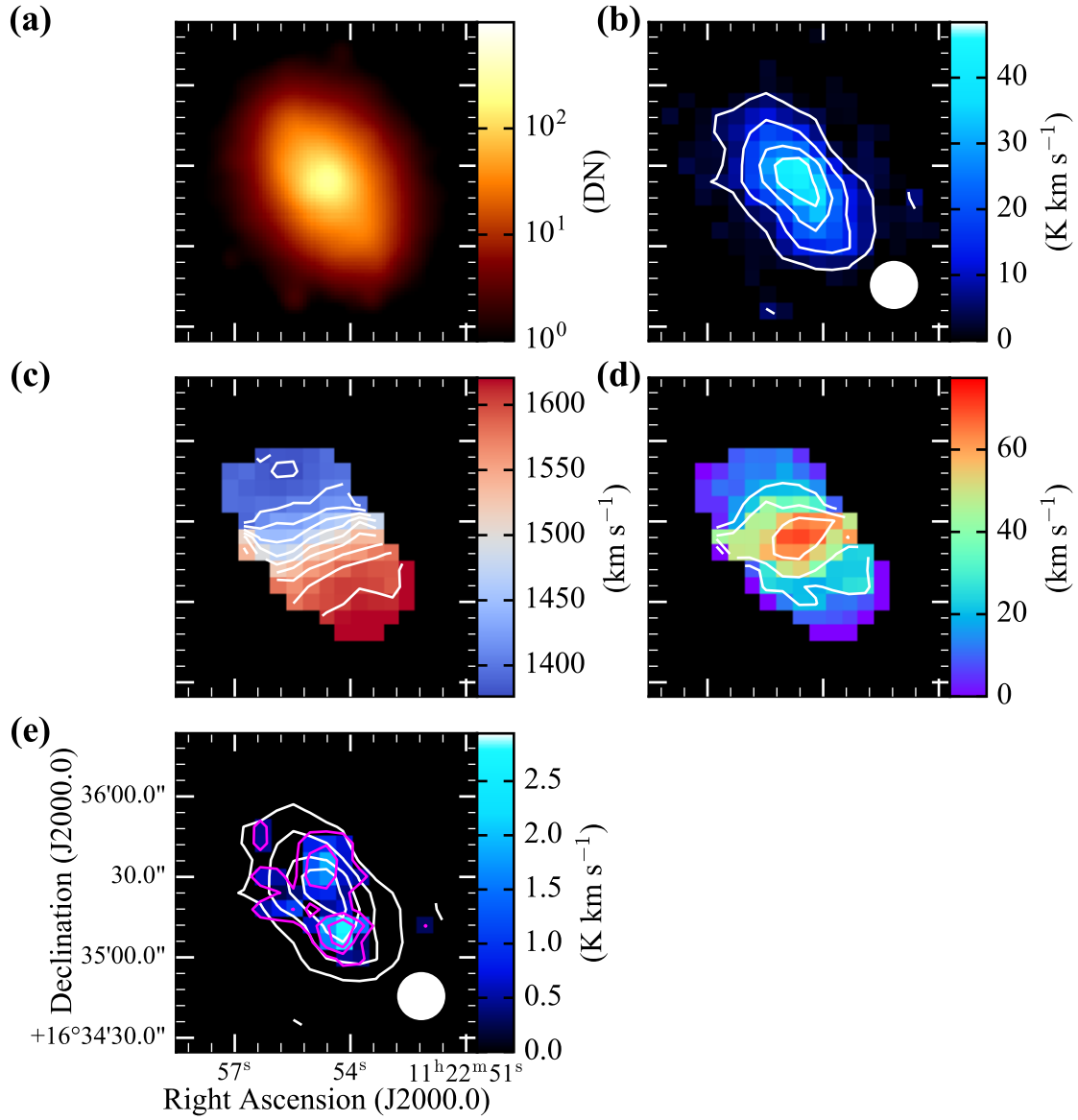
Supplementary fig. 64. Same as figure 12, but for NGC3627. The contours are plotted at 10%, 30%, 55%, and 80% of the maximum intensity of $109.87 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 40 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 10%, 45%, and 80% of the maximum intensity of 7.88 K km s^{-1} in (e) (*magenta*).

NGC 3628



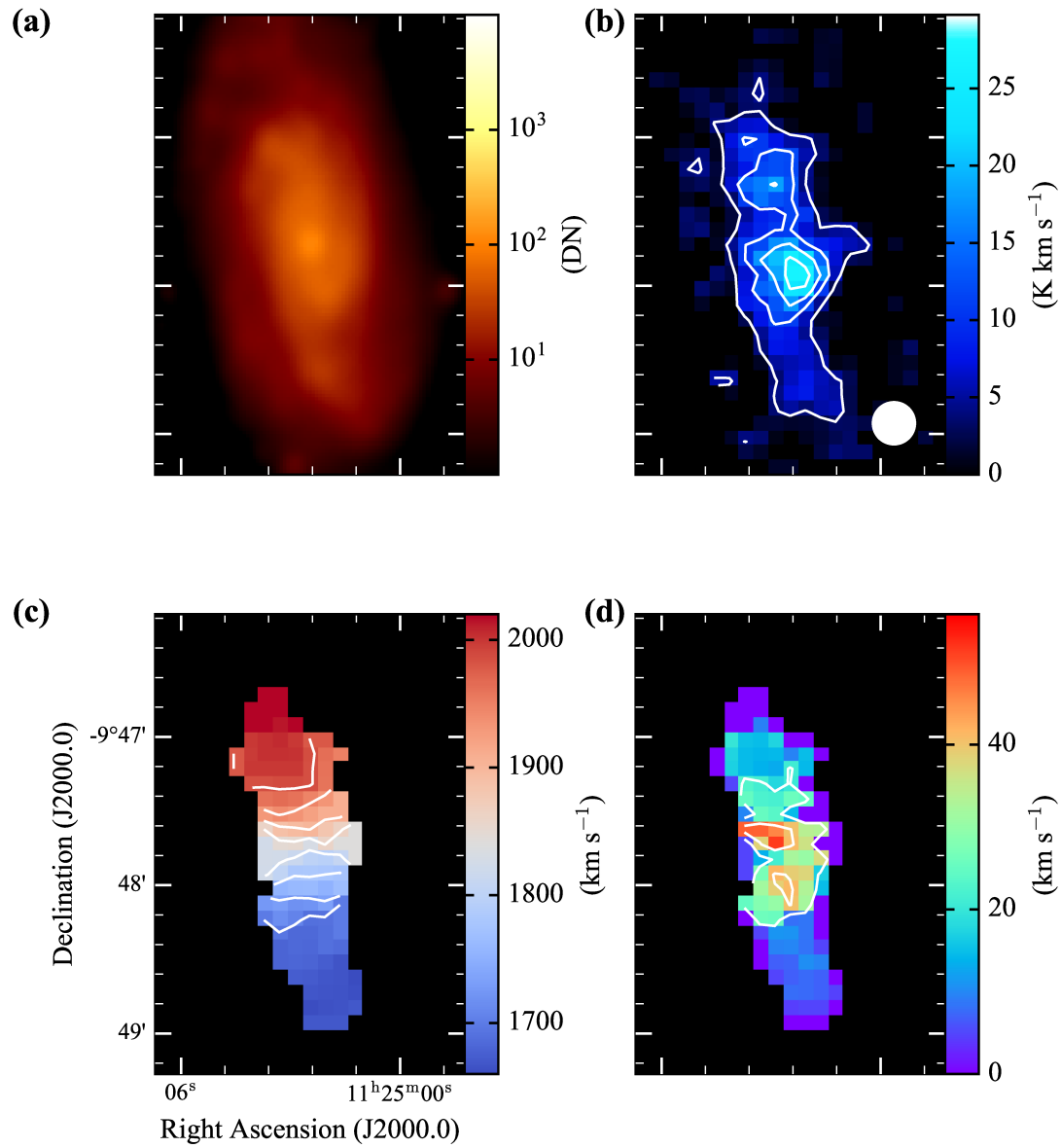
Supplementary fig. 65. Same as figure 12, but for NGC 3628. The contours are plotted at 3%, 15%, and 30% of the maximum intensity of $248.31 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 50 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 10% and 60% of the maximum intensity of $14.57 \text{ K km s}^{-1}$ in (e) (*magenta*).

NGC 3655



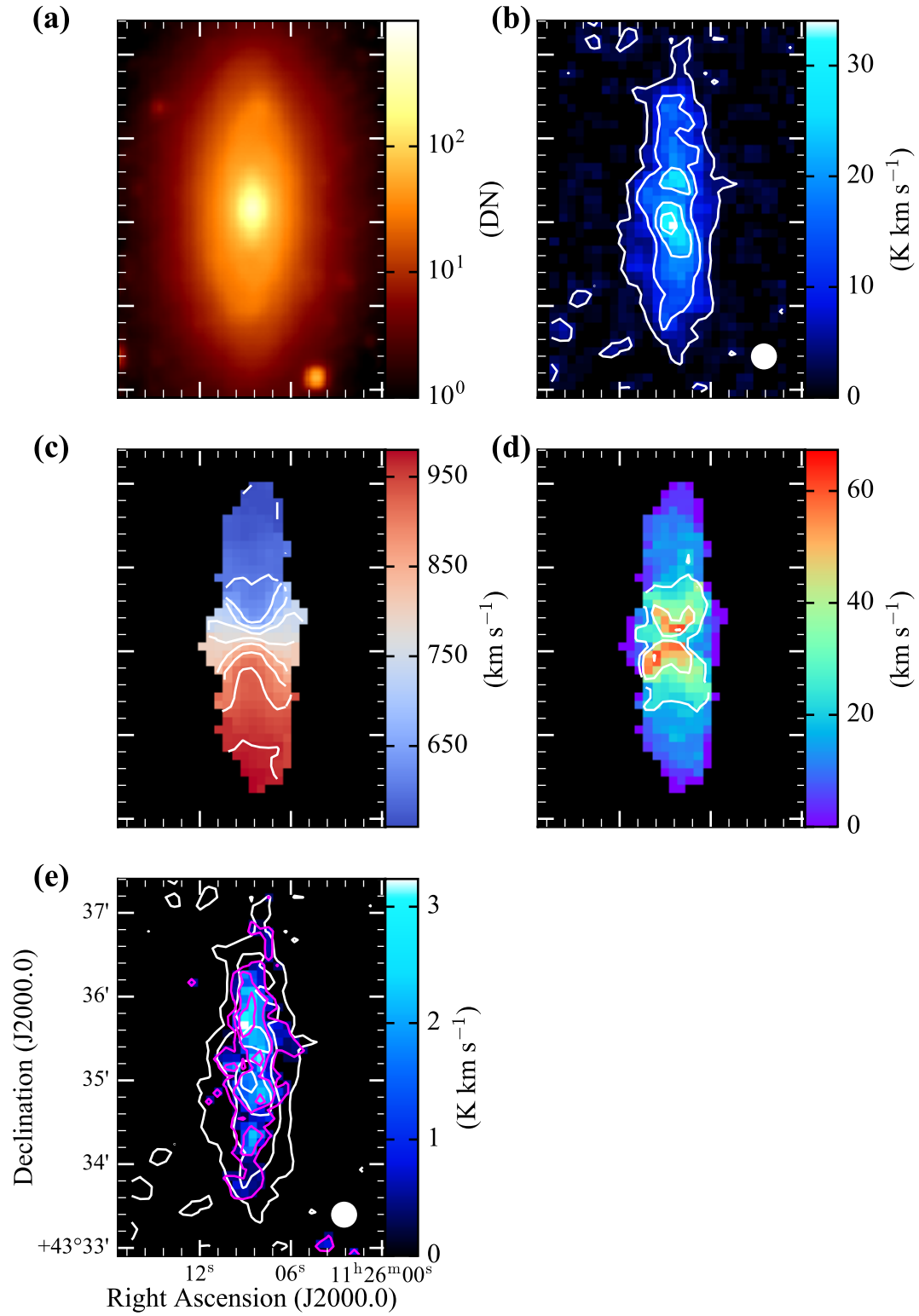
Supplementary fig. 66. Same as figure 12, but for NGC3655. The contours are plotted at 10%, 30%, 55%, and 80% of the maximum intensity of $45.22 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 25 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 10%, 40%, and 70% of the maximum intensity of 2.77 K km s^{-1} in (e) (*magenta*).

NGC 3672



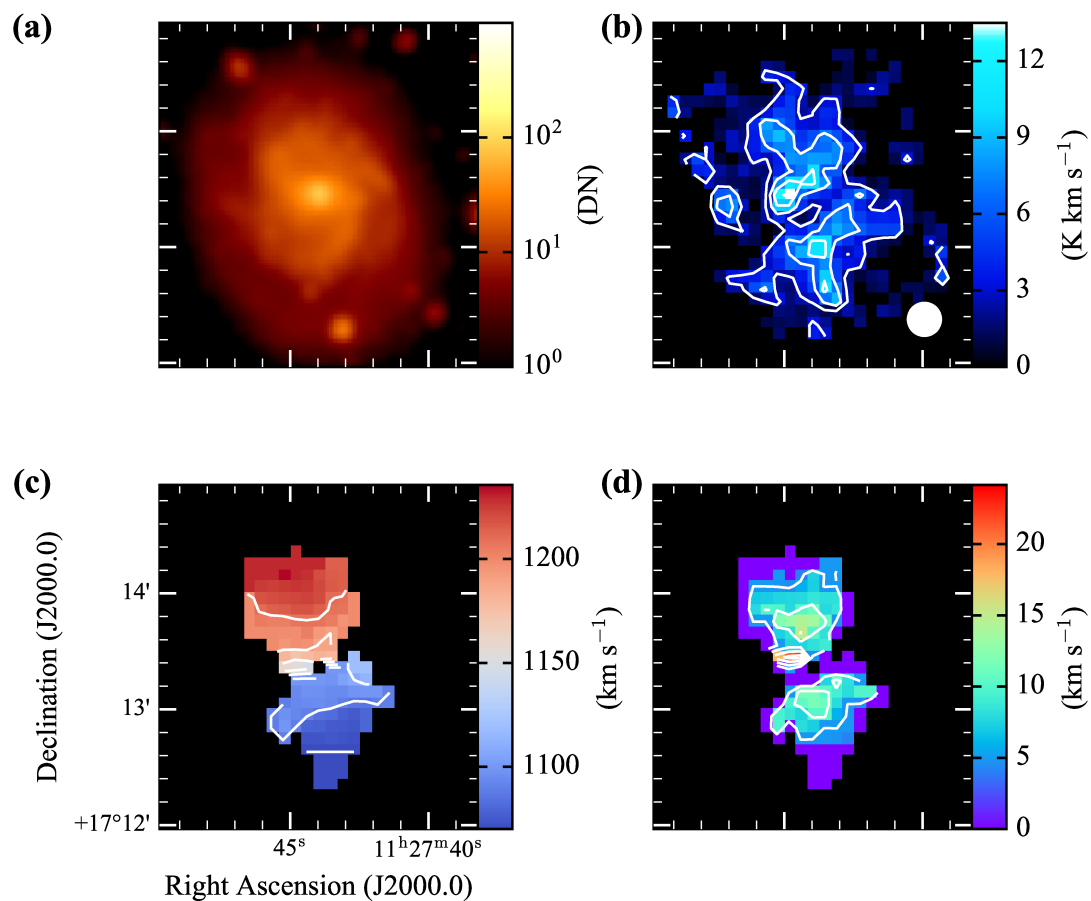
Supplementary fig. 67. Same as figure 12, but for NGC 3672. The contours are plotted at 15%, 40%, 65%, and 90% of the maximum intensity of $27.12 \text{ K km s}^{-1}$ in (b), in steps of 40 km s^{-1} in (c), and in steps of 20 km s^{-1} in (d).

NGC 3675



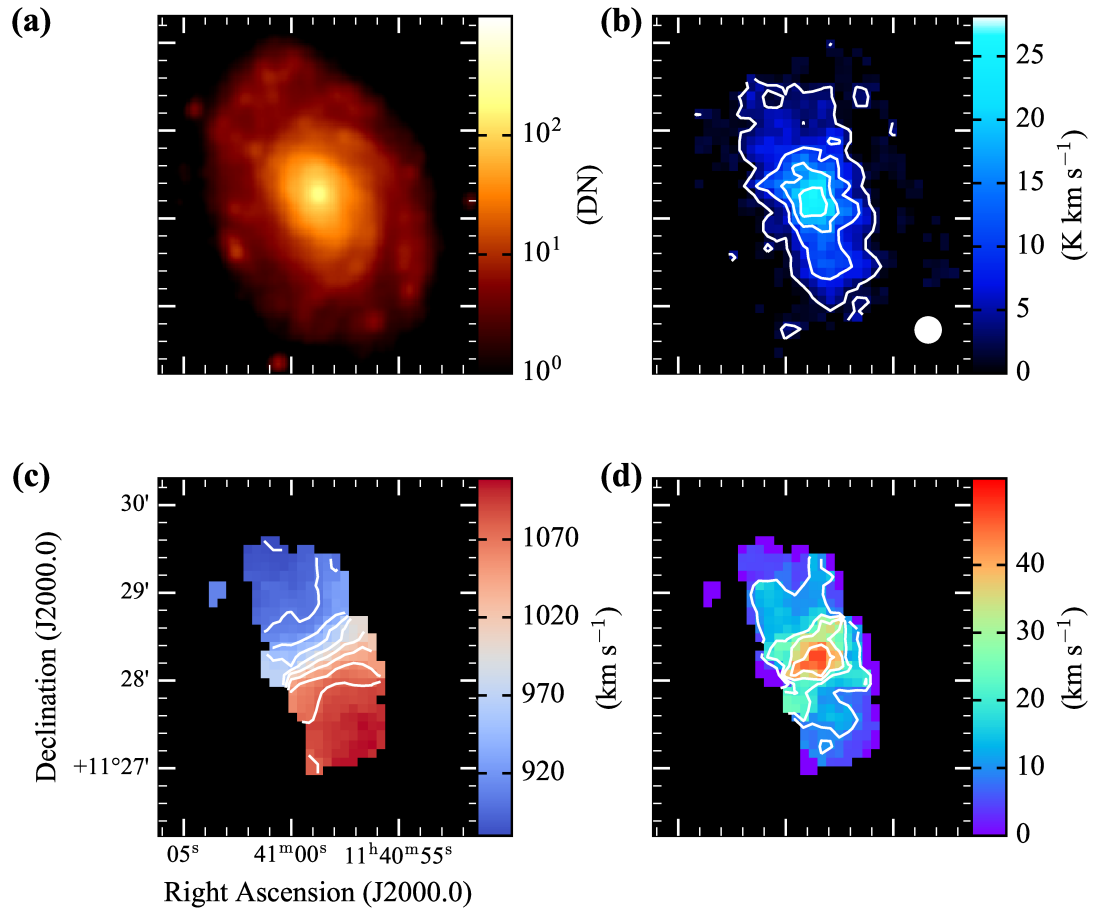
Supplementary fig. 68. Same as figure 12, but for NGC3675. The contours are plotted at 10%, 35%, 60%, and 85% of the maximum intensity of $33.93 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 45 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 10%, 40%, and 70% of the maximum intensity of 3.35 K km s^{-1} in (e) (*magenta*).

NGC 3686

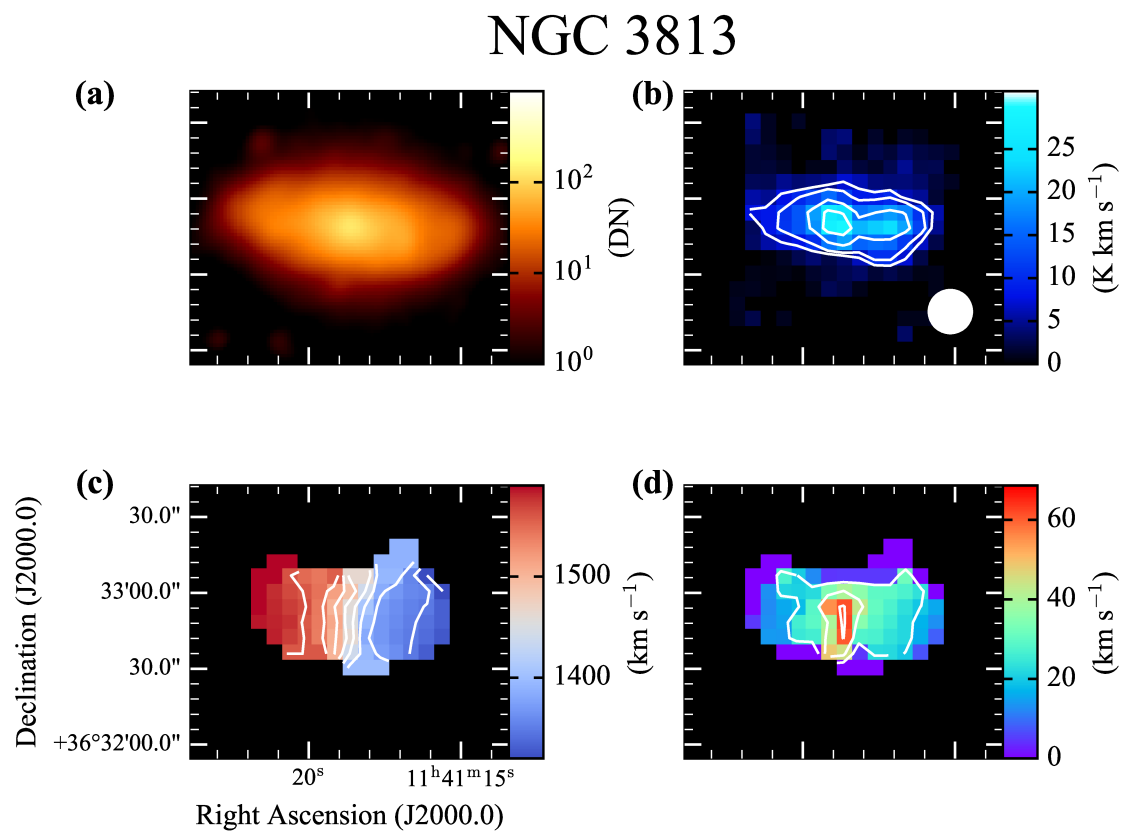


Supplementary fig. 69. Same as figure 12, but for NGC 3686. The contours are plotted at 20%, 45%, 70%, and 95% of the maximum intensity of $14.12 \text{ K km s}^{-1}$ in (b), in steps of 20 km s^{-1} in (c), and in steps of 5 km s^{-1} in (d).

NGC 3810

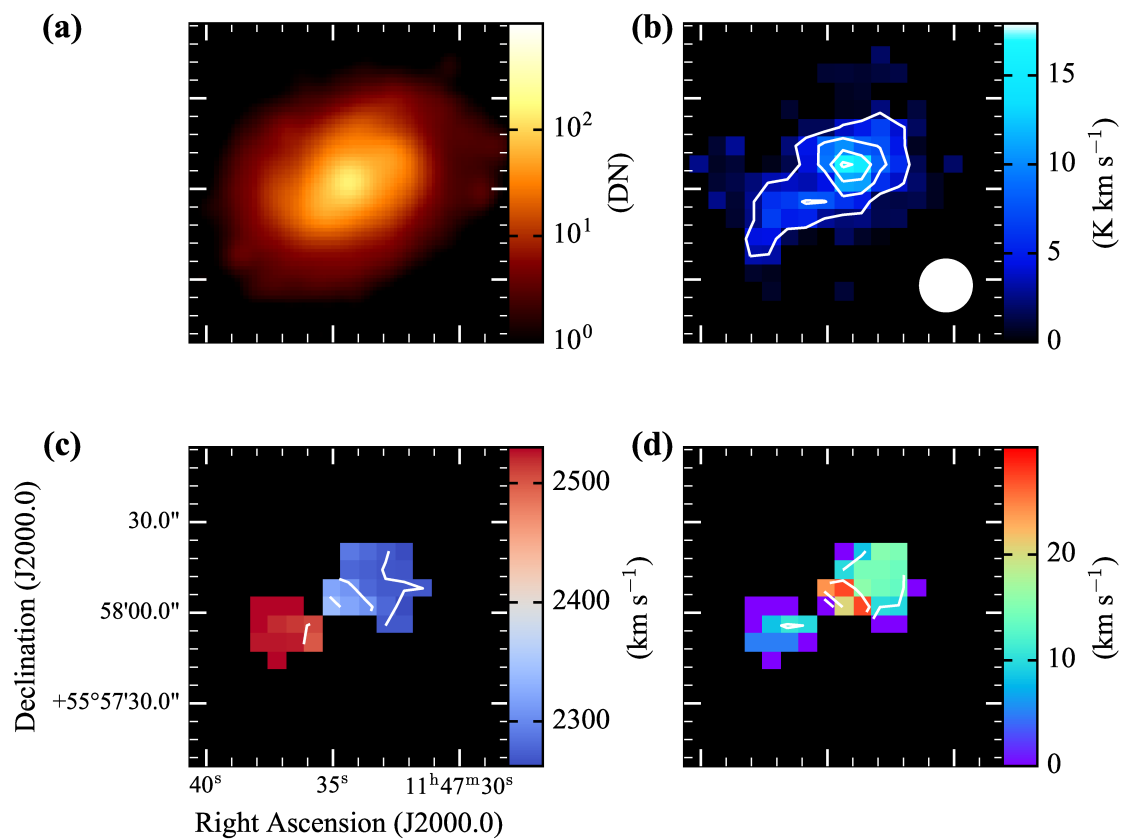


Supplementary fig. 70. Same as figure 12, but for NGC 3810. The contours are plotted at 10%, 35%, 60%, and 85% of the maximum intensity of $26.68 \text{ K km s}^{-1}$ in (b), in steps of 25 km s^{-1} in (c), and in steps of 10 km s^{-1} in (d).



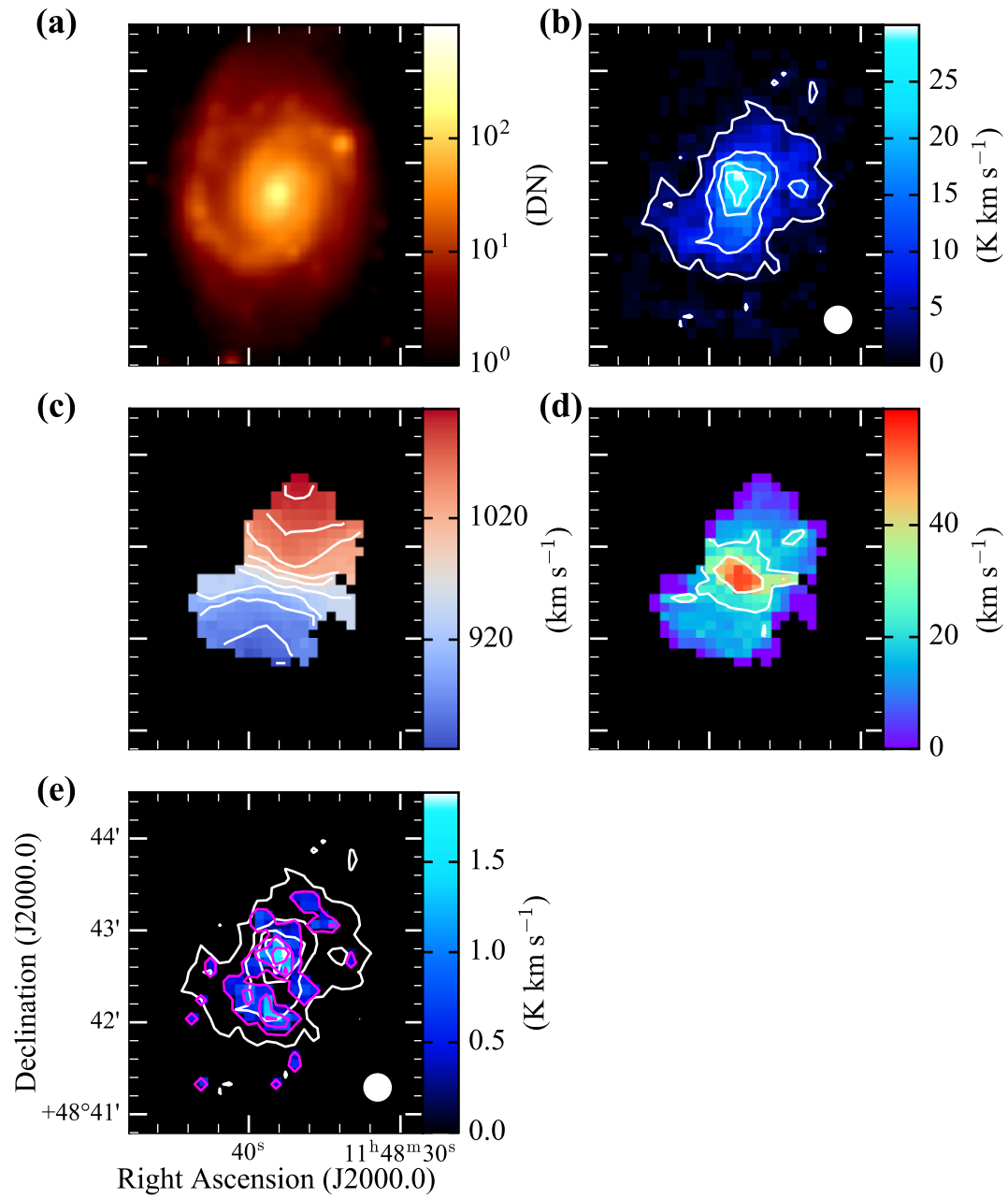
Supplementary fig. 71. Same as figure 12, but for NGC 3813. The contours are plotted at 25%, 35%, 60%, and 85% of the maximum intensity of $29.56 \text{ K km s}^{-1}$ in (b), in steps of 30 km s^{-1} in (c), and in steps of 20 km s^{-1} in (d).

NGC 3888



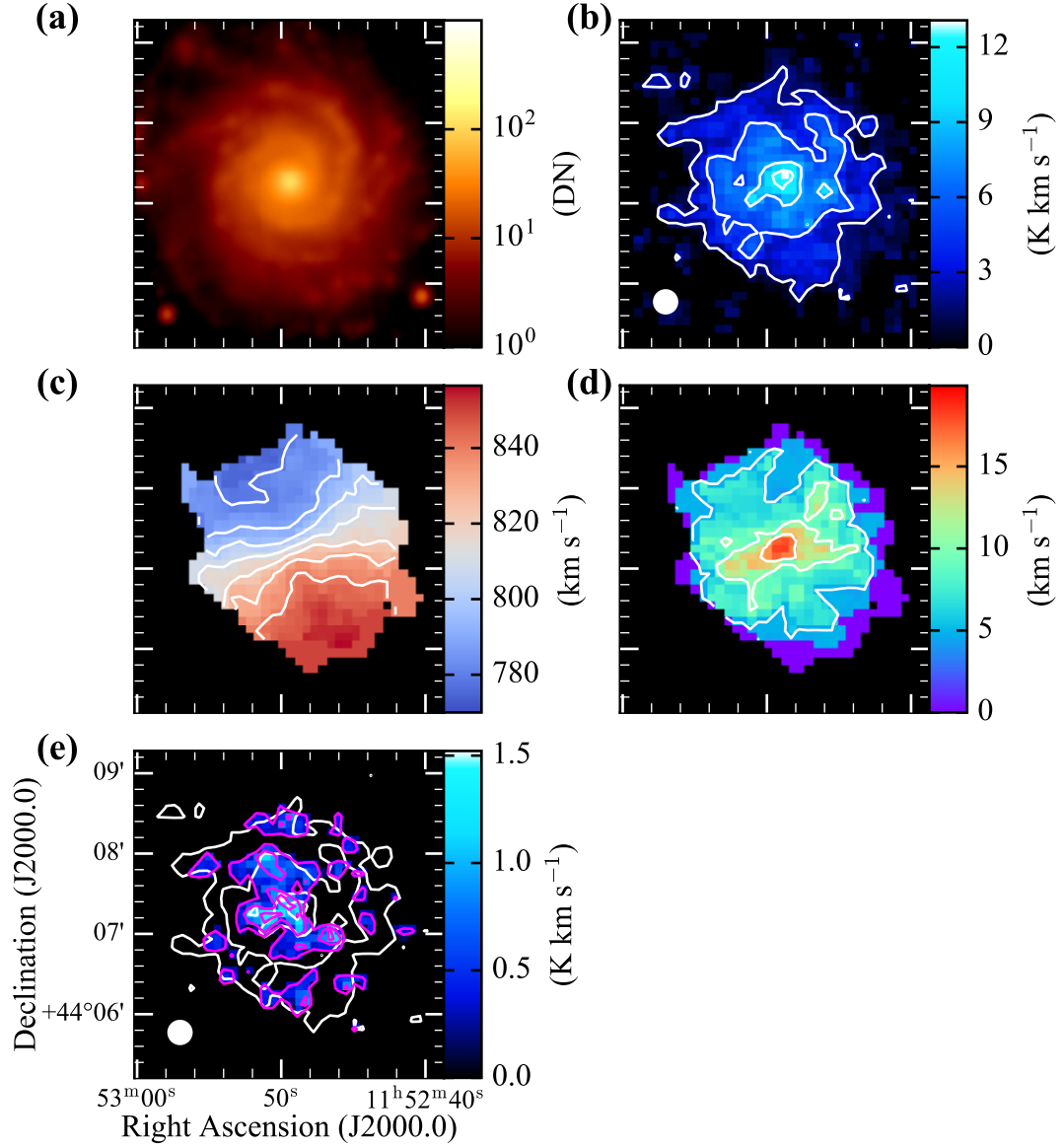
Supplementary fig. 72. Same as figure 12, but for NGC3888. The contours are plotted at 20%, 45%, 70%, and 95% of the maximum intensity of $16.93 \text{ K km s}^{-1}$ in (b), in steps of 30 km s^{-1} in (c), and in steps of 10 km s^{-1} in (d).

NGC 3893

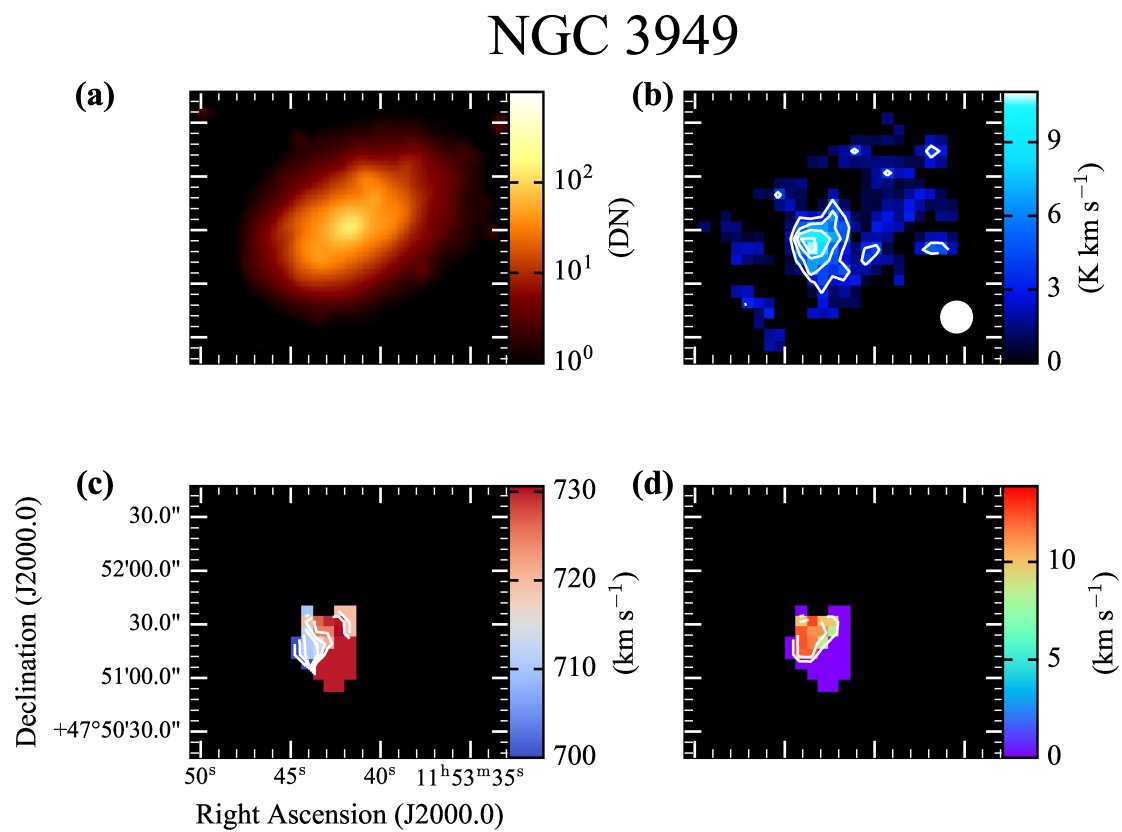


Supplementary fig. 73. Same as figure 12, but for NGC 3893. The contours are plotted at 10%, 35%, 60%, and 85% of the maximum intensity of $29.76 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 30 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 10%, 40%, and 70% of the maximum intensity of 2.12 K km s^{-1} in (e) (*magenta*).

NGC 3938

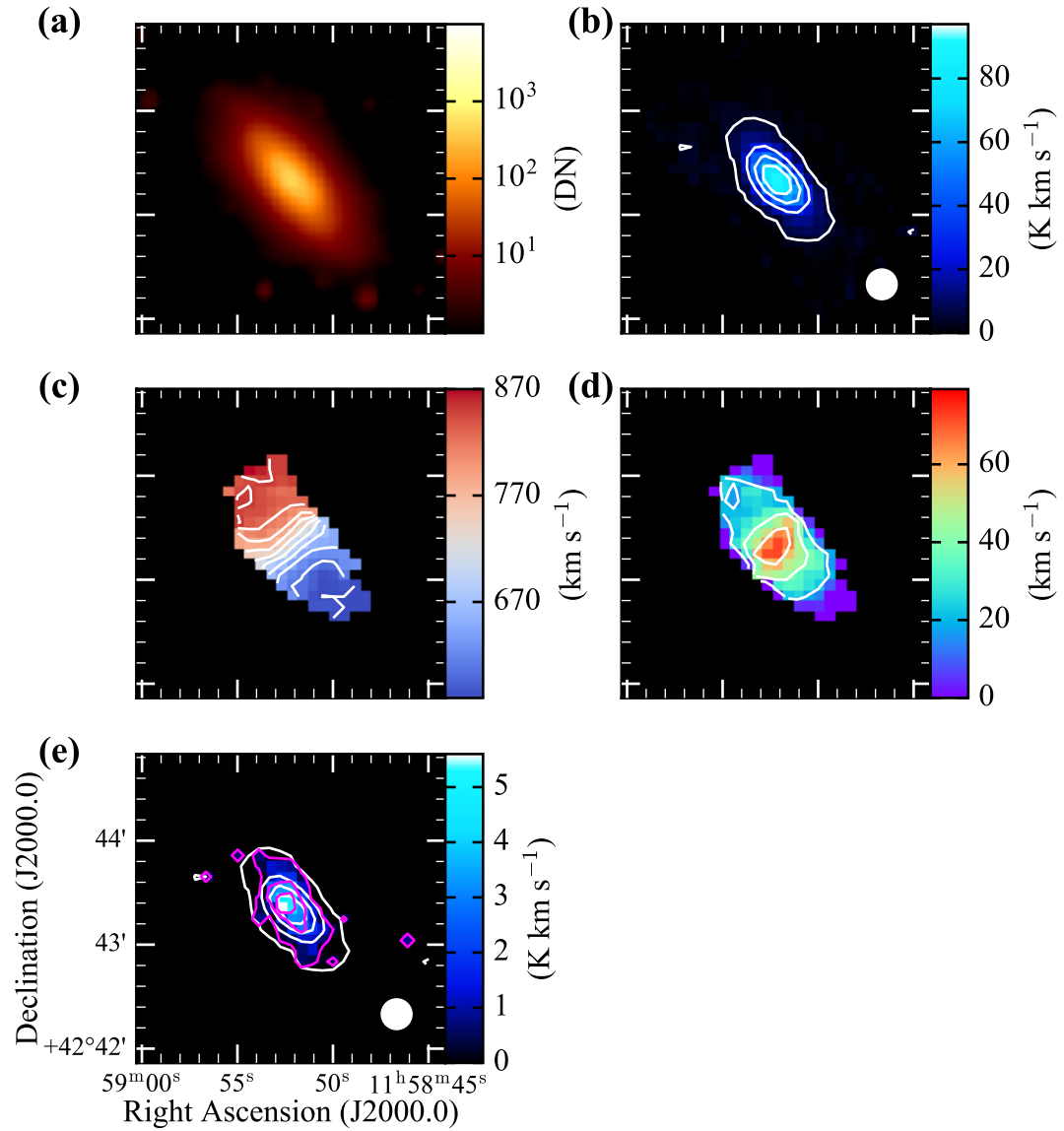


Supplementary fig. 74. Same as figure 12, but for NGC 3938. The contours are plotted at 15%, 35%, 60%, and 85% of the maximum intensity of $13.70 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 10 km s^{-1} in (c), in steps of 5 km s^{-1} in (d), and at 15%, 45%, and 75% of the maximum intensity of 1.69 K km s^{-1} in (e) (*magenta*).



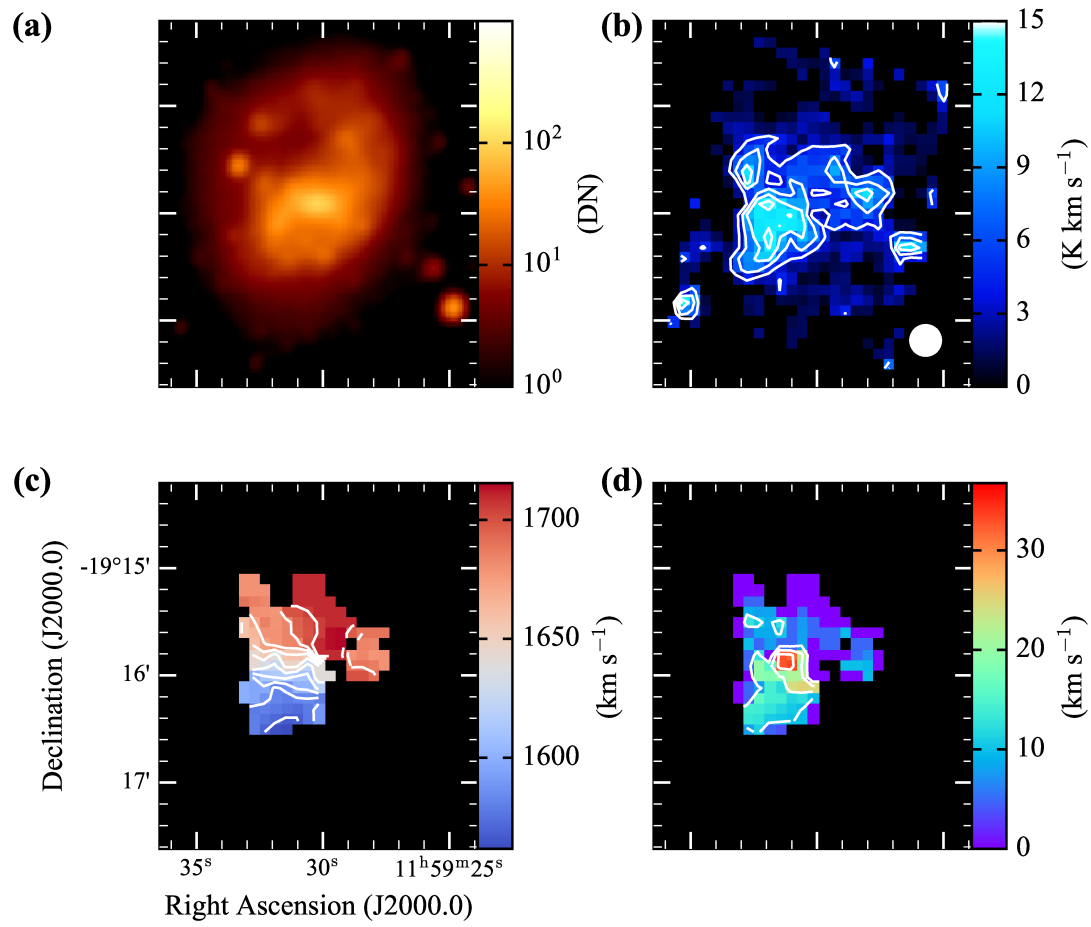
Supplementary fig. 75. Same as figure 12, but for NGC 3949. The contours are plotted at 30%, 50%, 70%, and 90% of the maximum intensity of $10.79 \text{ K km s}^{-1}$ in (b) and in steps of 5 km s^{-1} in (c) and (d).

UGC 6973

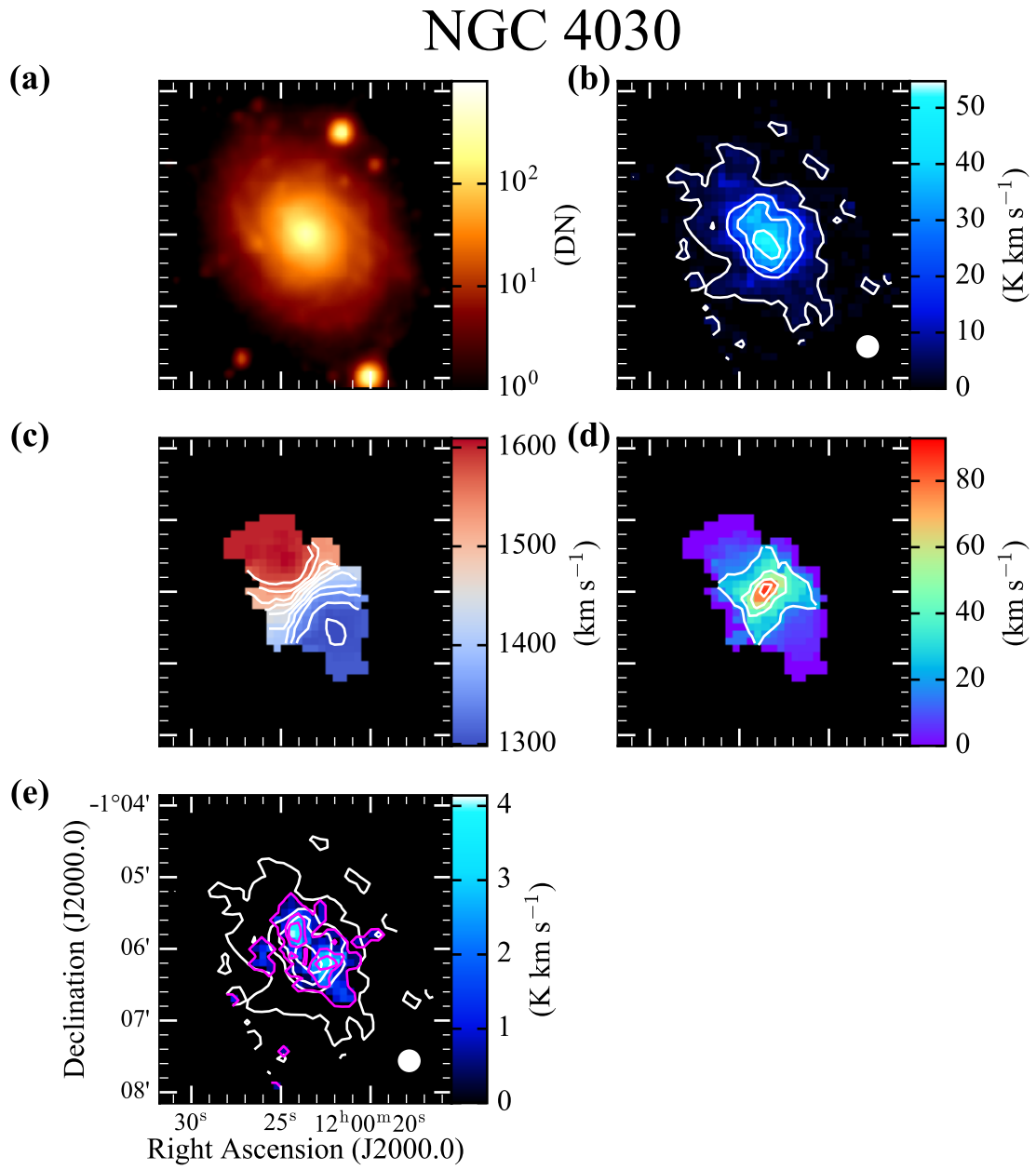


Supplementary fig. 76. Same as figure 12, but for UGC 6973. The contours are plotted at 5%, 30%, 55%, and 80% of the maximum intensity of $90.78 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 30 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 5%, 45%, and 75% of the maximum intensity of 5.71 K km s^{-1} in (e) (*magenta*).

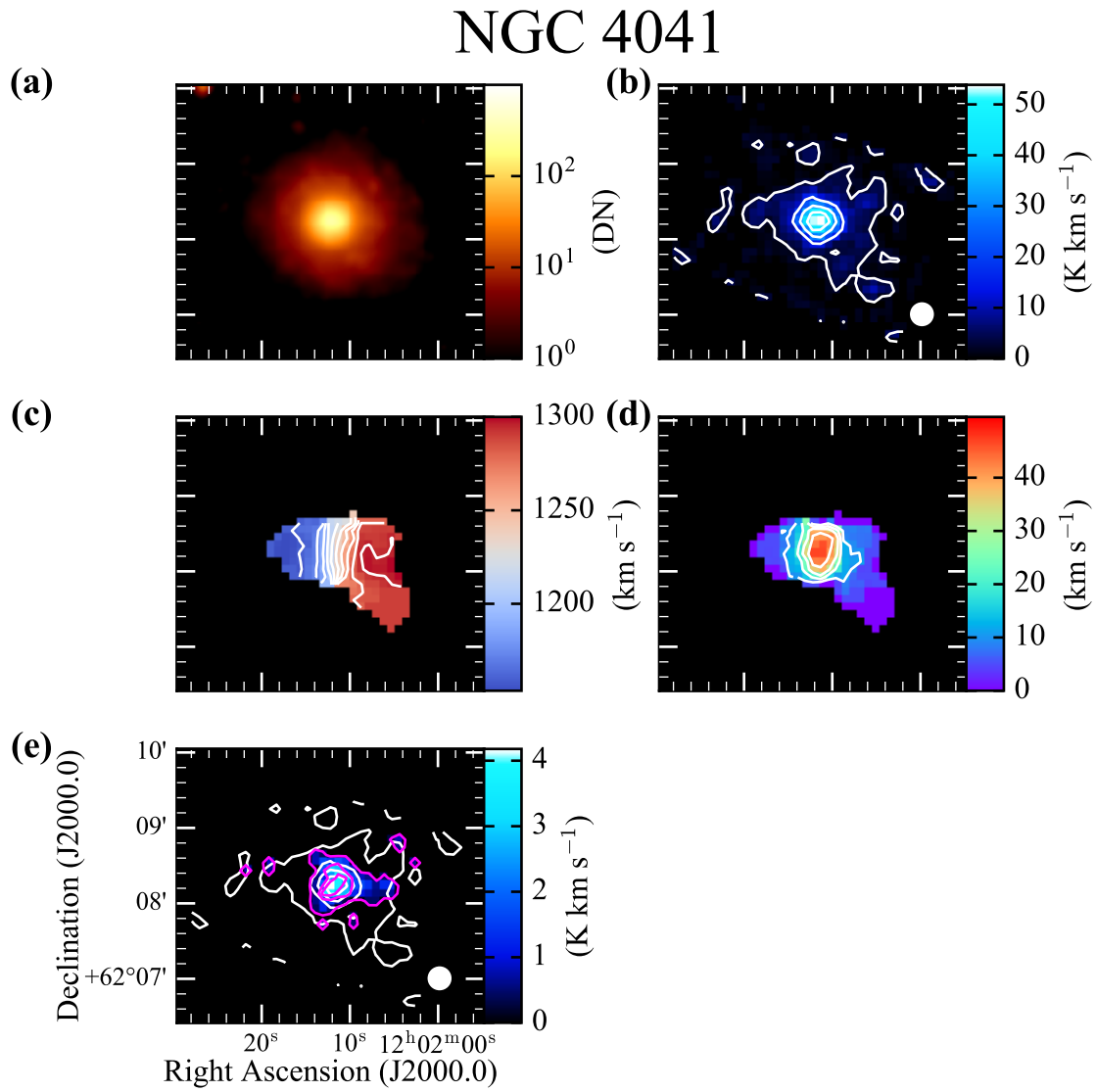
NGC 4027



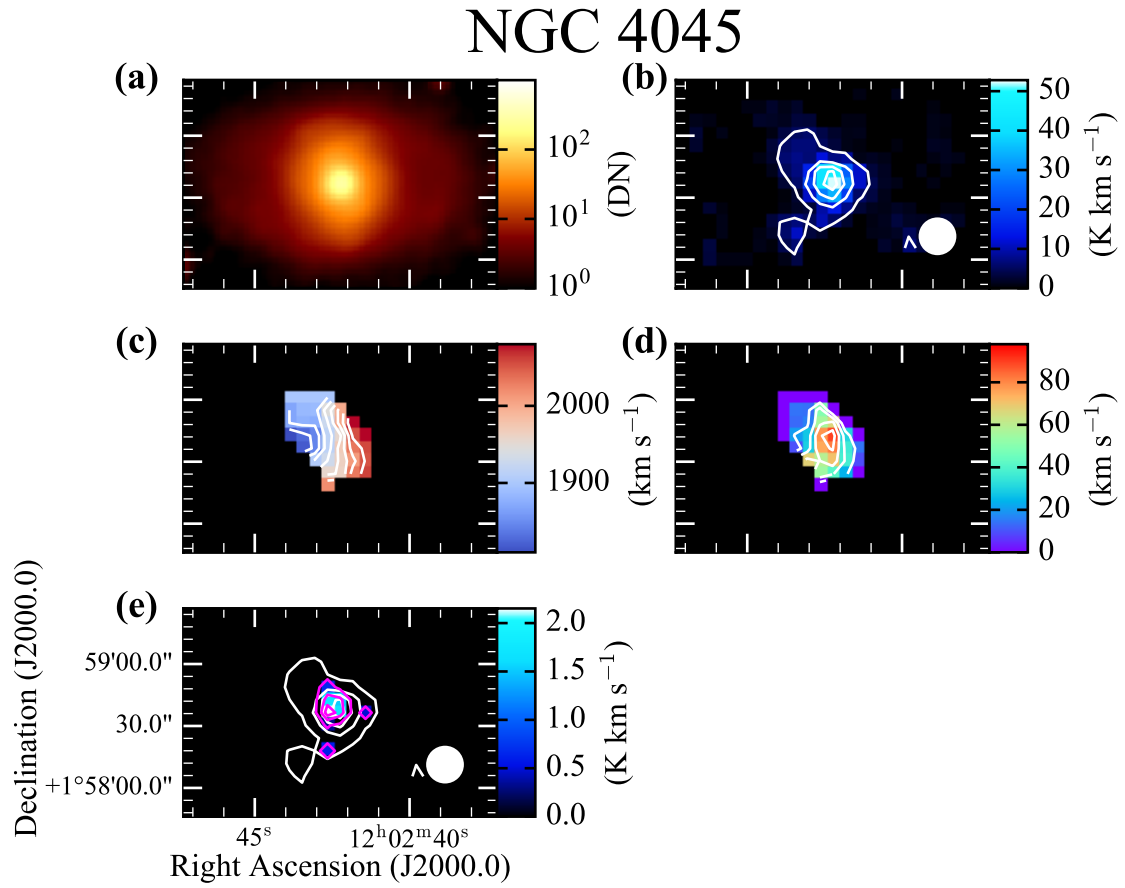
Supplementary fig. 77. Same as figure 12, but for NGC 4027. The contours are plotted at 30%, 50%, 70%, and 90% of the maximum intensity of $14.37 \text{ K km s}^{-1}$ in (b), in steps of 15 km s^{-1} in (c), and in steps of 10 km s^{-1} in (d).



Supplementary fig. 78. Same as figure 12, but for NGC 4030. The contours are plotted at 5%, 30%, 55%, and 80% of the maximum intensity of $51.99 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 30 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 5%, 45%, and 75% of the maximum intensity of 4.07 K km s^{-1} in (e) (*magenta*).

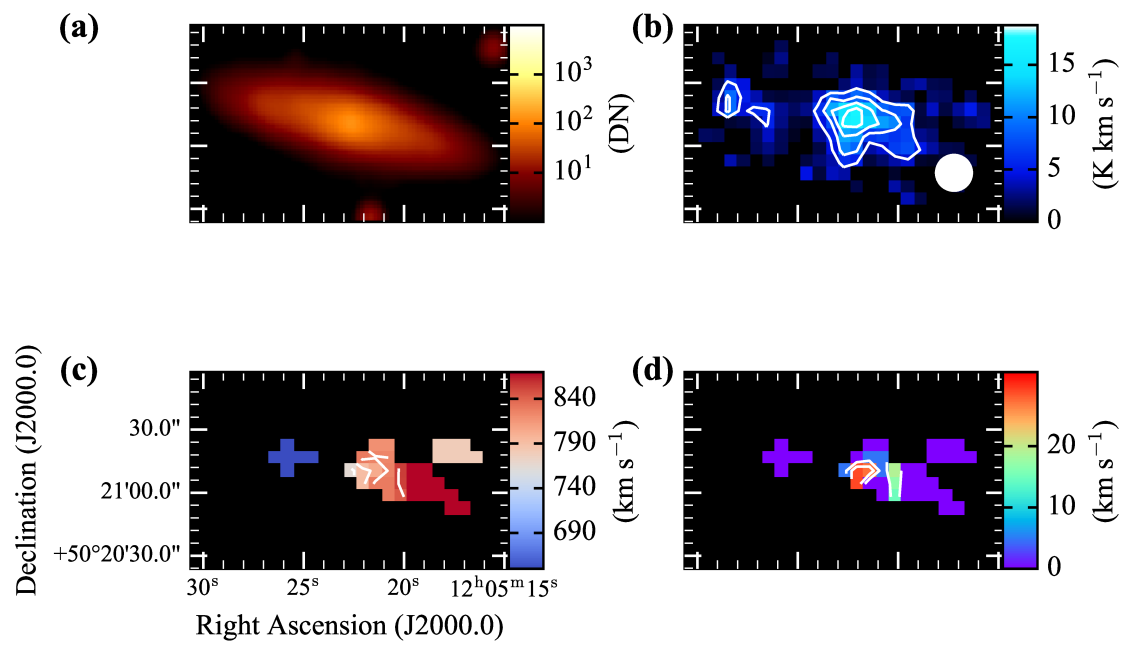


Supplementary fig. 79. Same as figure 12, but for NGC4041. The contours are plotted at 5%, 30%, 55%, and 80% of the maximum intensity of $54.66 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 15 km s^{-1} in (c), in steps of 10 km s^{-1} in (d), and at 5%, 45%, and 75% of the maximum intensity of 4.36 K km s^{-1} in (e) (*magenta*).



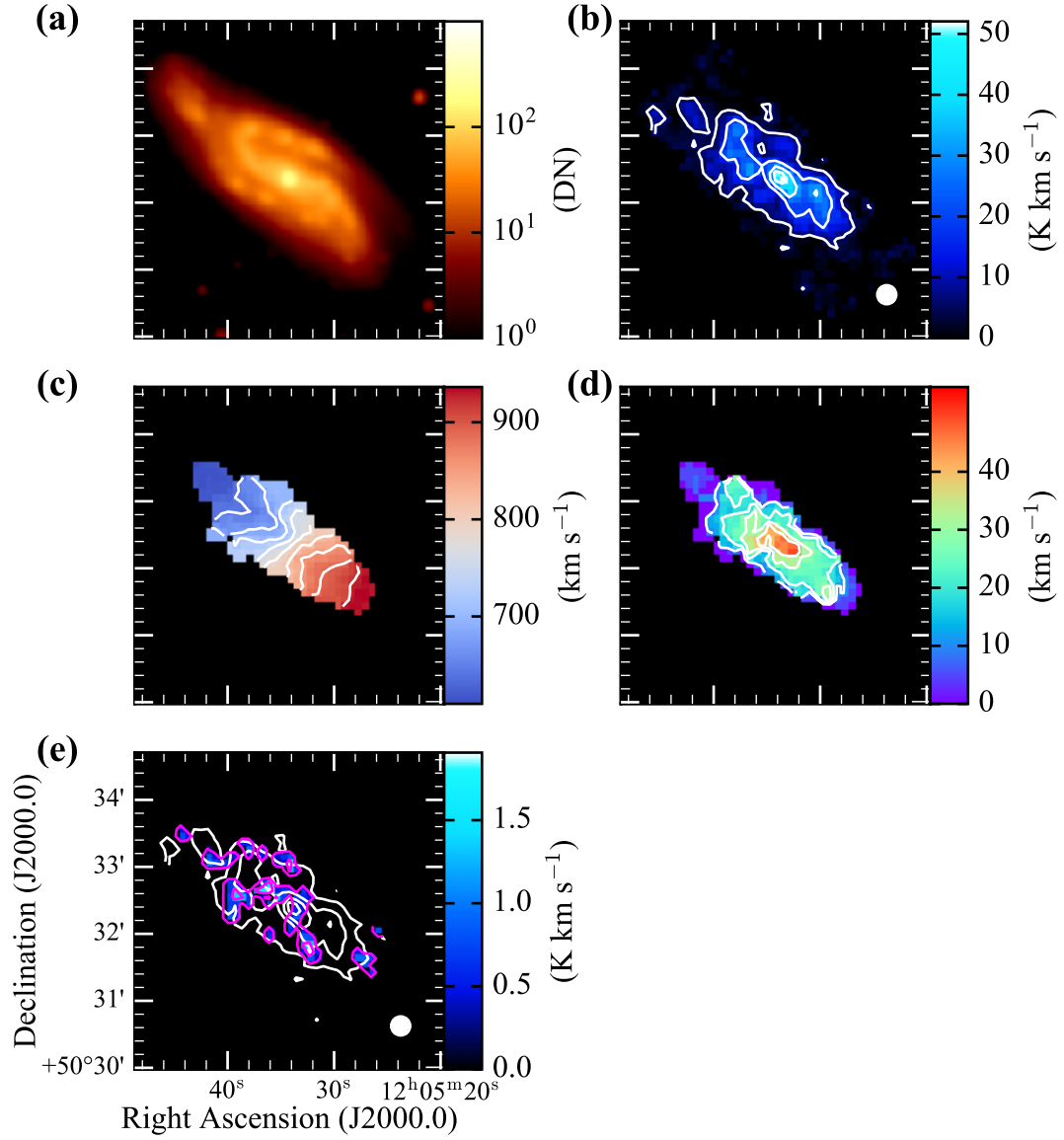
Supplementary fig. 80. Same as figure 12, but for NGC 4045. The contours are plotted at 10%, 35%, 60%, and 85% of the maximum intensity of $52.37 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 30 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 10%, 50%, and 80% of the maximum intensity of 2.52 K km s^{-1} in (e) (*magenta*).

NGC 4085



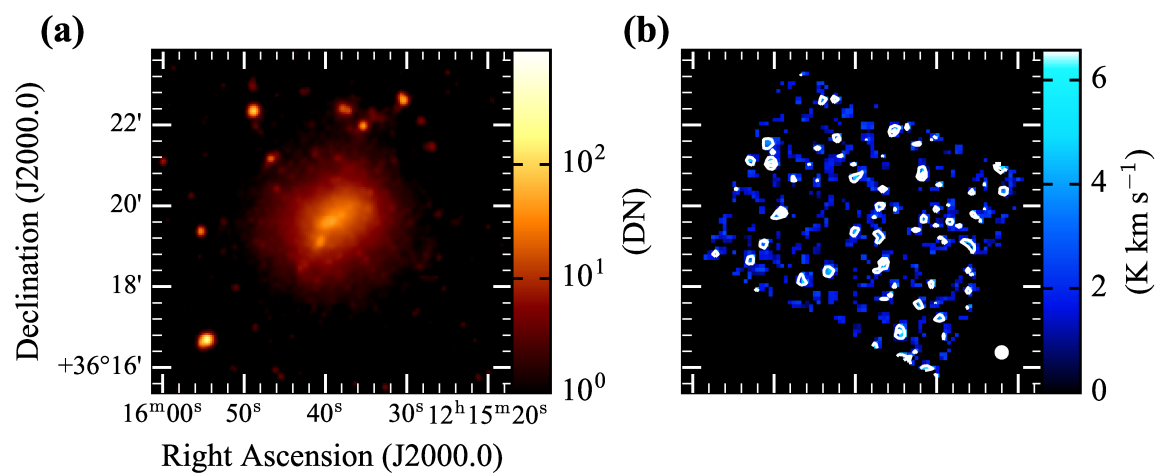
Supplementary fig. 81. Same as figure 12, but for NGC 4085. The contours are plotted at 30%, 50%, 70%, and 90% of the maximum intensity of $17.27 \text{ K km s}^{-1}$ in (b), in steps of 25 km s^{-1} in (c), and in steps of 10 km s^{-1} in (d).

NGC 4088

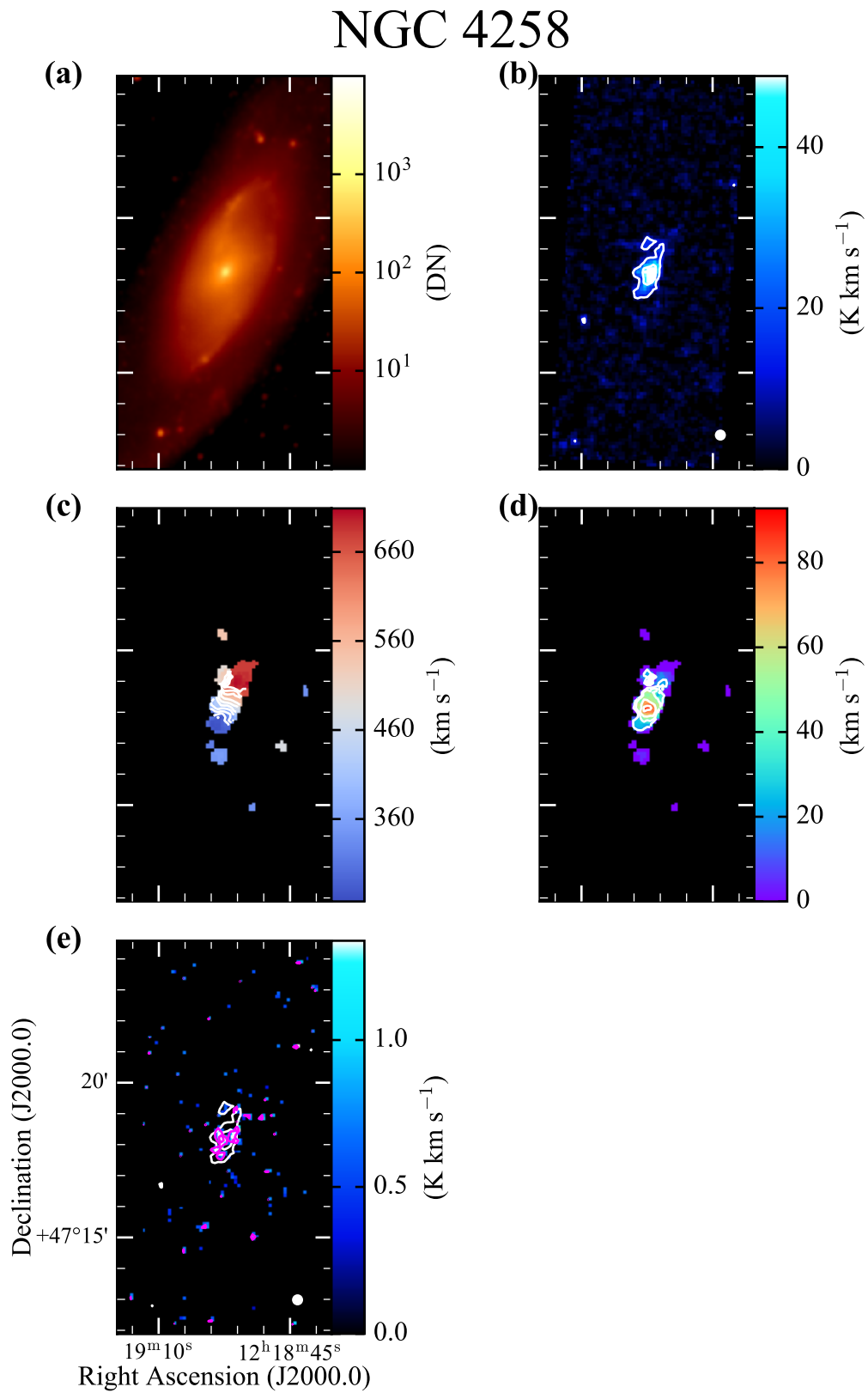


Supplementary fig. 82. Same as figure 12, but for NGC4088. The contours are plotted at 10%, 35%, 60%, and 85% of the maximum intensity of $53.05 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 35 km s^{-1} in (c), in steps of 10 km s^{-1} in (d), and at 10% and 60% of the maximum intensity of 1.95 K km s^{-1} in (e) (*magenta*).

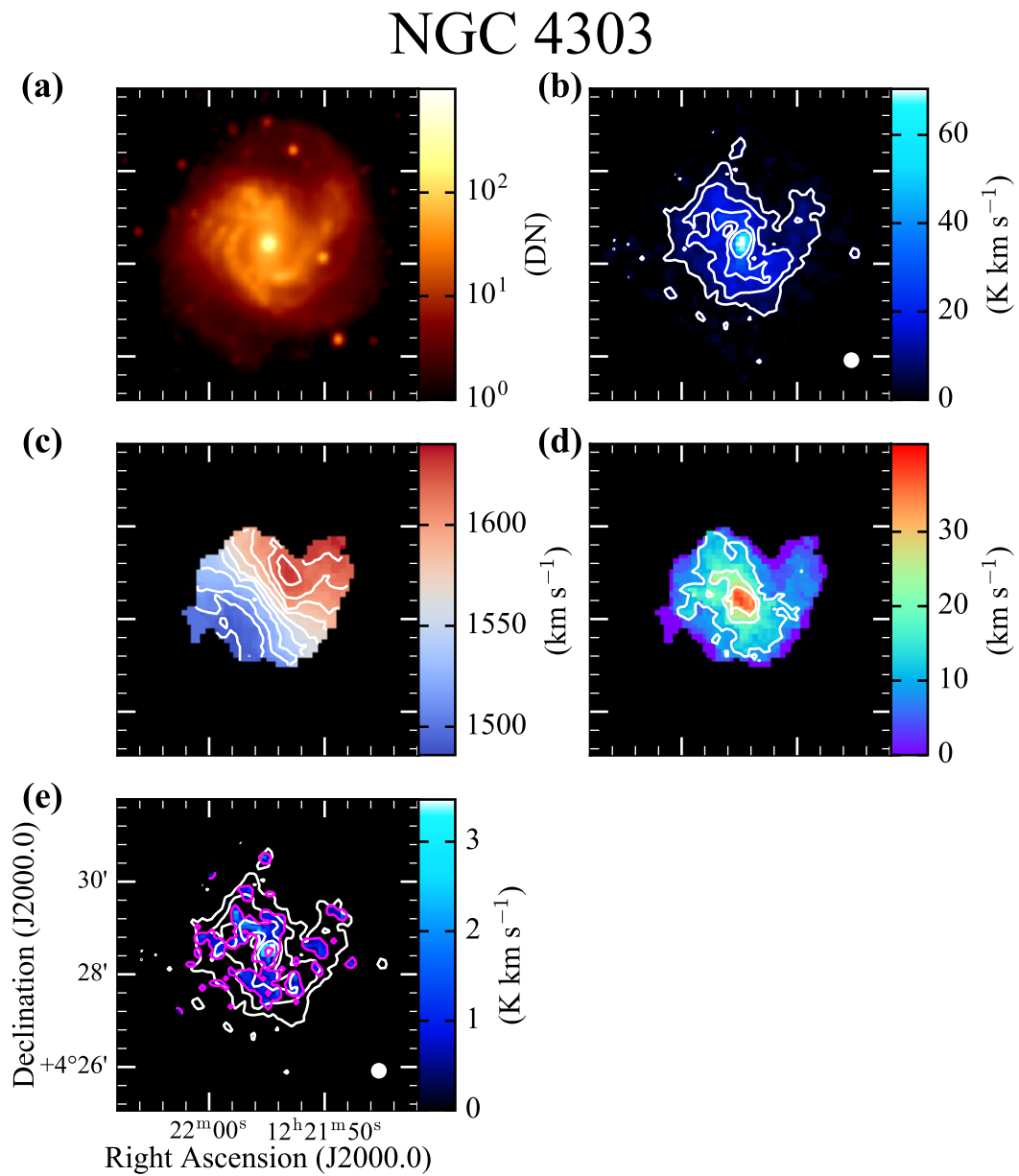
NGC 4214



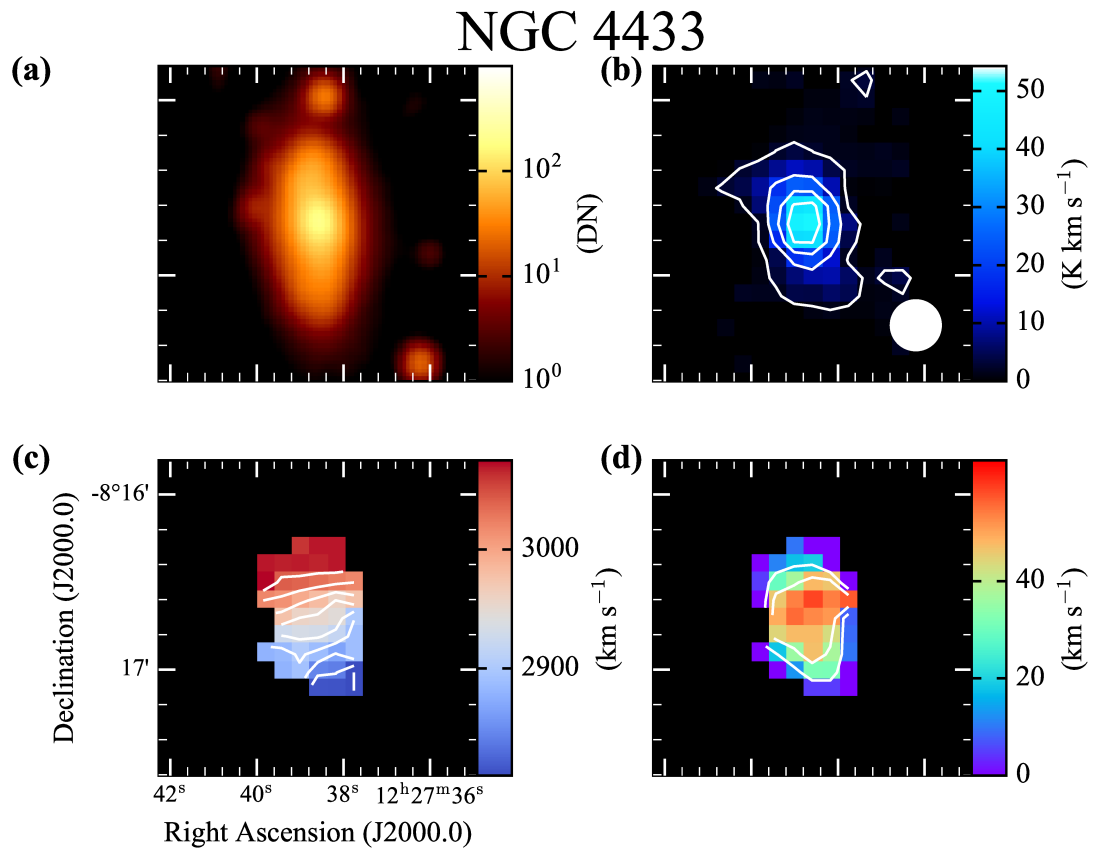
Supplementary fig. 83. Same as figure 12, but for NGC 4214. The contours are plotted at 30% and 60% of the maximum intensity of 8.85 K km s^{-1} in (b).



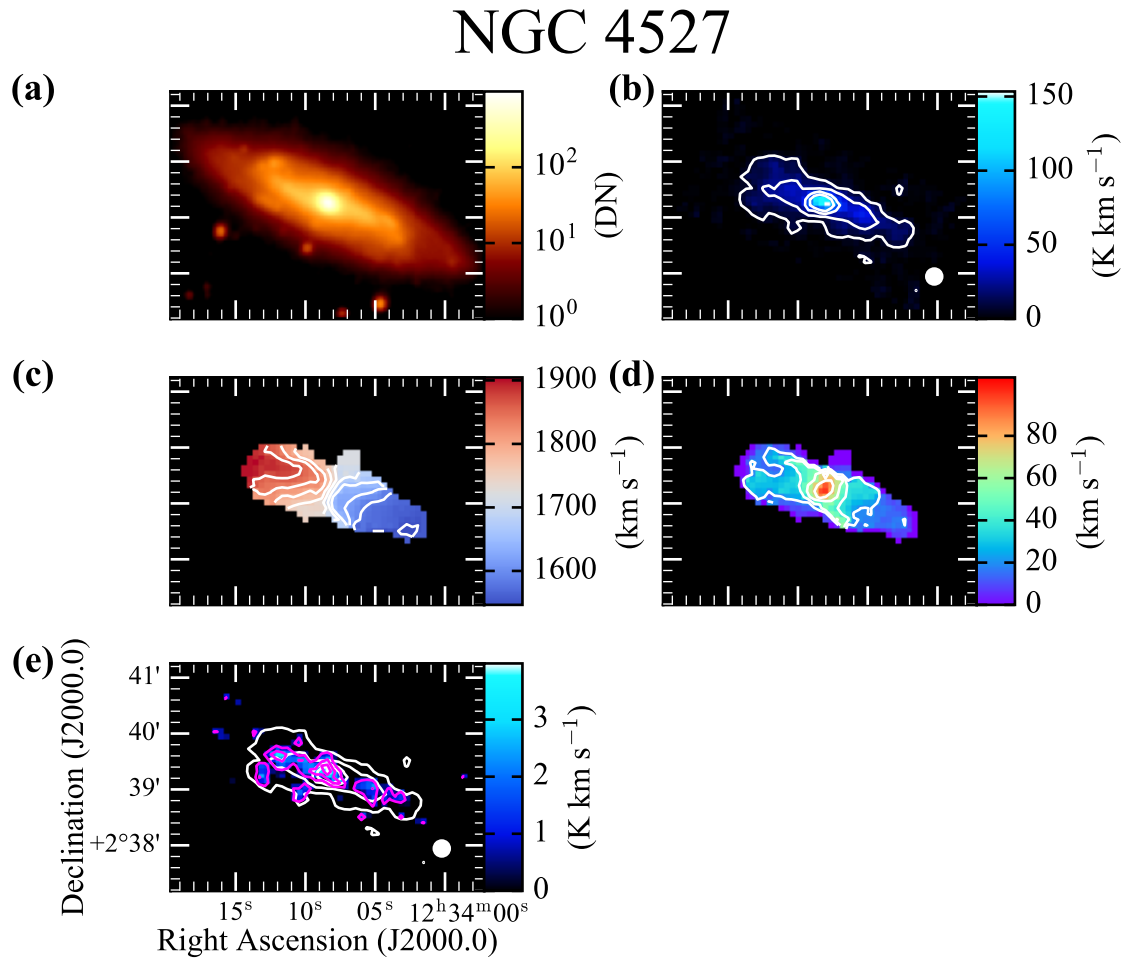
Supplementary fig. 84. Same as figure 12, but for NGC 4258. The contours are plotted at 15 % and 50 % of the maximum intensity of $79.77 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 45 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 30 % and 70 % of the maximum intensity of 2.32 K km s^{-1} in (e) (*magenta*).



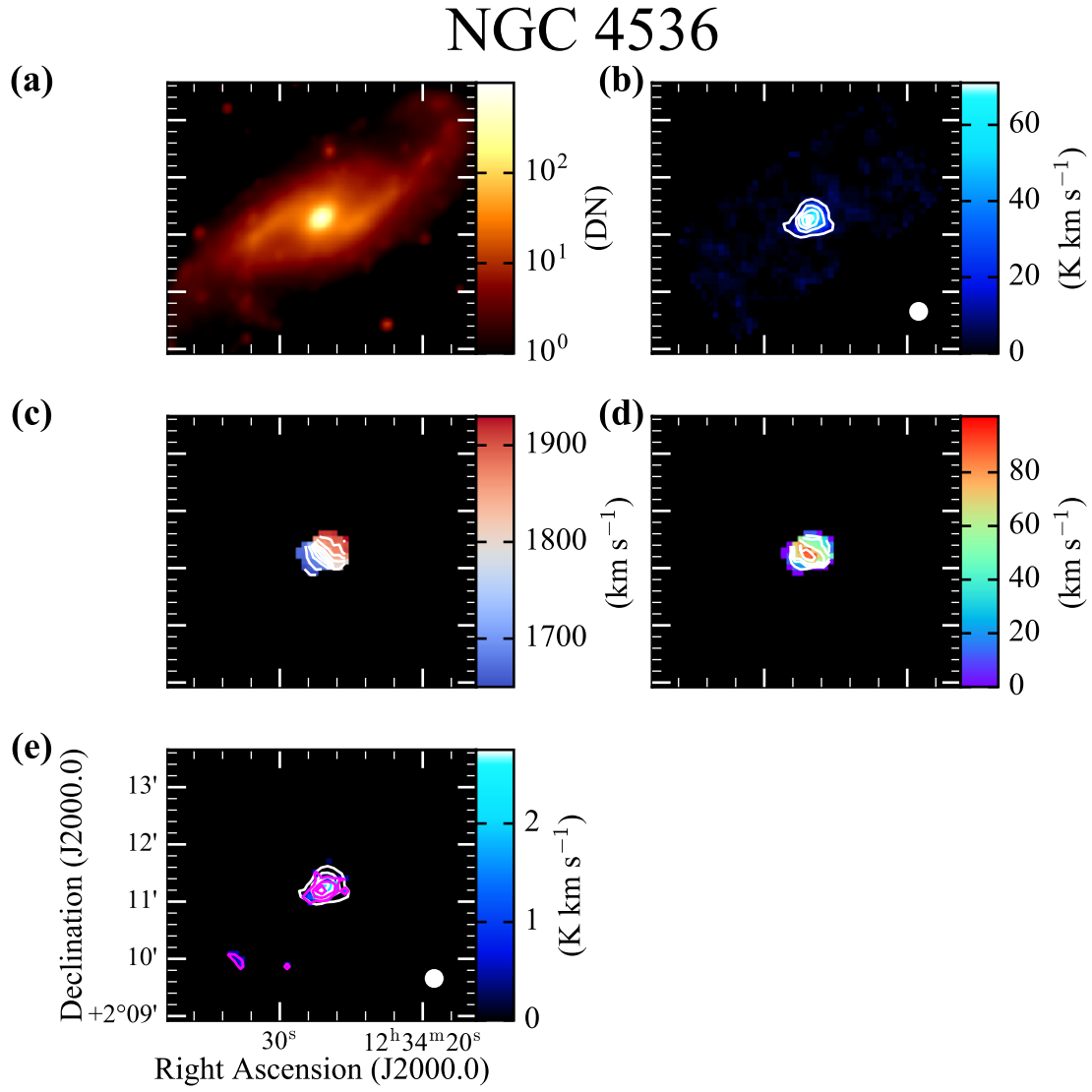
Supplementary fig. 85. Same as figure 12, but for NGC 4303. The contours are plotted at 5%, 15%, 25%, and 45% of the maximum intensity of $79.23 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 15 km s^{-1} in (c), in steps of 10 km s^{-1} in (d), and at 5% and 65% of the maximum intensity of 6.82 K km s^{-1} in (e) (*magenta*).



Supplementary fig. 86. Same as figure 12, but for NGC 4433. The contours are plotted at 5%, 30%, 55%, and 80% of the maximum intensity of $50.36 \text{ K km s}^{-1}$ in (b), in steps of 30 km s^{-1} in (c), and in steps of 20 km s^{-1} in (d).

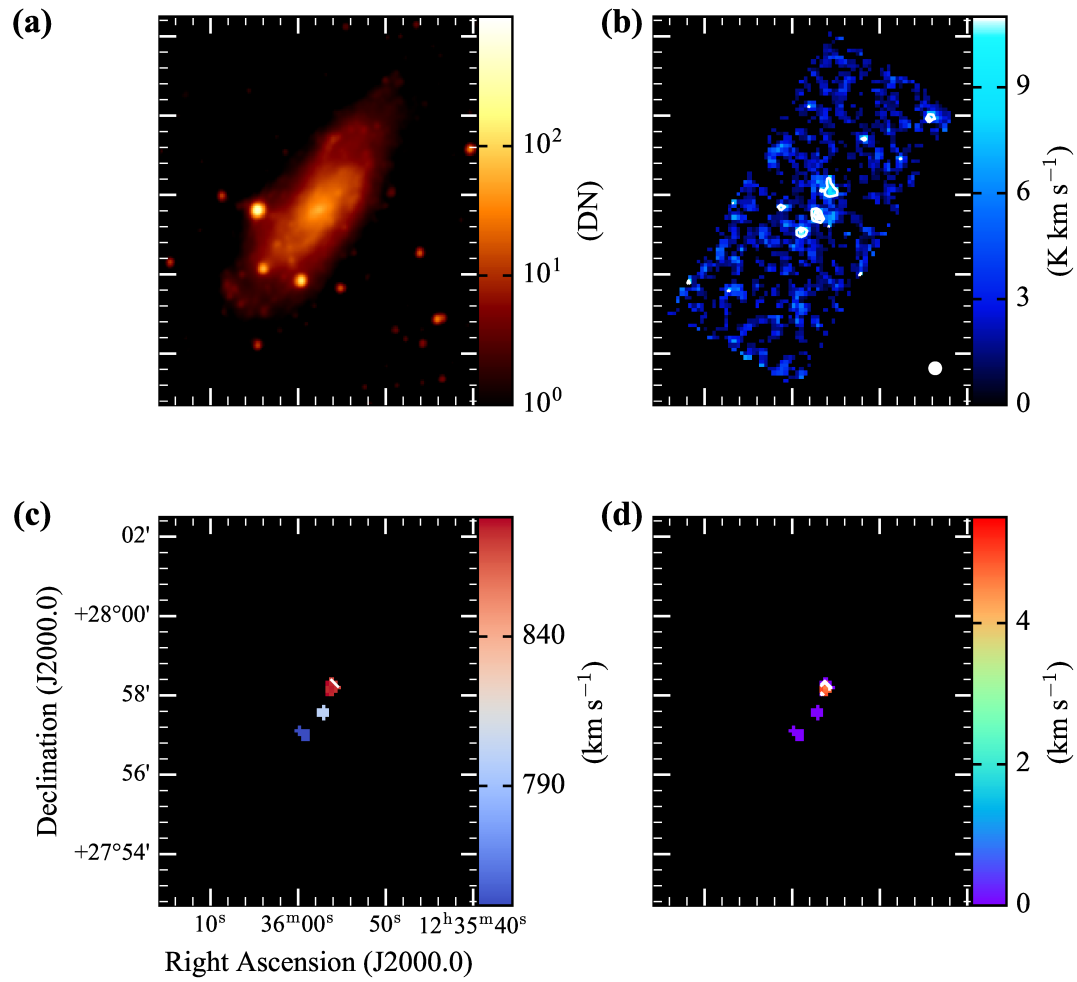


Supplementary fig. 87. Same as figure 12, but for NGC 4527. The contours are plotted at 5%, 15%, 35%, and 55% of the maximum intensity of $155.25 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 35 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 15%, 45%, and 75% of the maximum intensity of 5.20 K km s^{-1} in (e) (*magenta*).



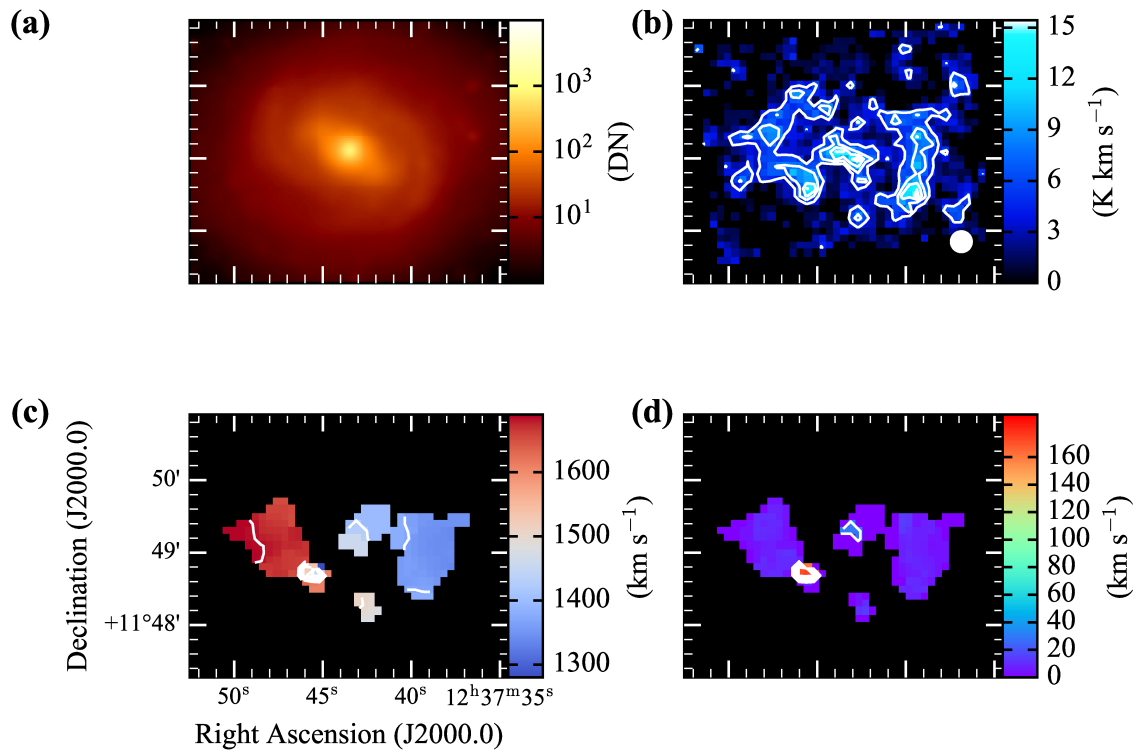
Supplementary fig. 88. Same as figure 12, but for NGC 4536. The contours are plotted at 10%, 35%, 60%, and 85% of the maximum intensity of $75.99 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 30 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 15%, 45%, and 75% of the maximum intensity of 3.40 K km s^{-1} in (e) (*magenta*).

NGC 4559

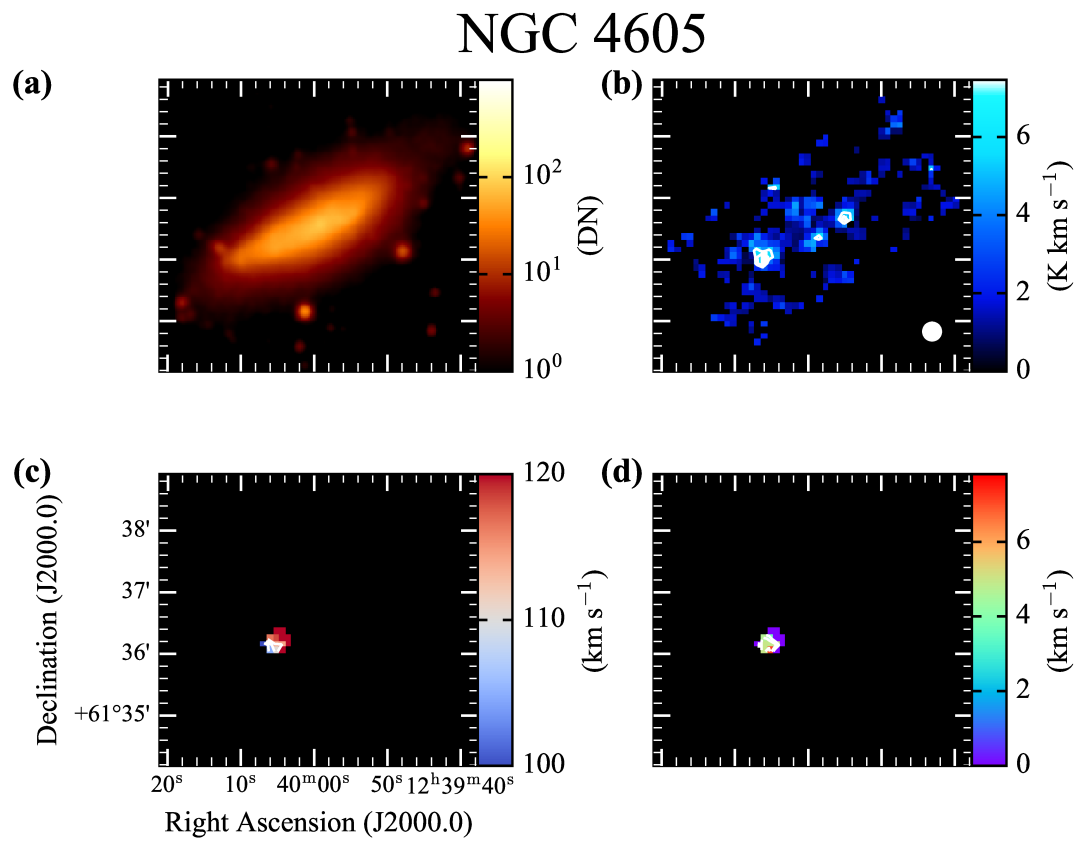


Supplementary fig. 89. Same as figure 12, but for NGC 4559. The contours are plotted at 45 % and 75 % of the maximum intensity of $15.32 \text{ K km s}^{-1}$ in (b), in steps of 15 km s^{-1} in (c), and in steps of 2 km s^{-1} in (d).

NGC 4579

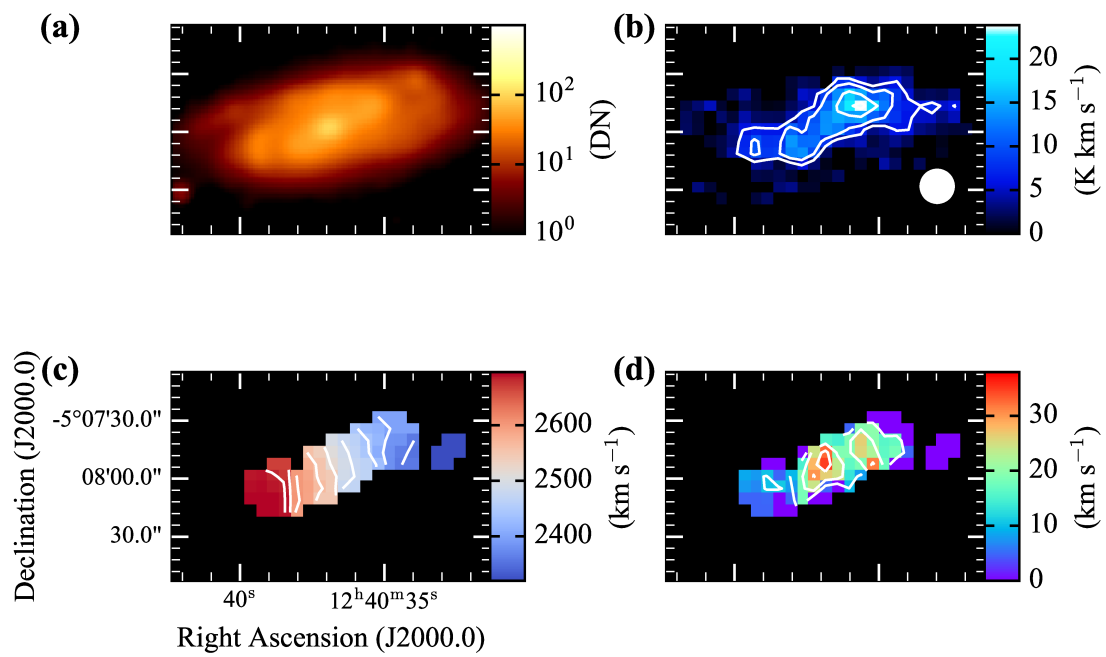


Supplementary fig. 90. Same as figure 12, but for NGC4579. The contours are plotted at 30%, 50%, 70%, and 90% of the maximum intensity of $15.41 \text{ K km s}^{-1}$ in (b), in steps of 45 km s^{-1} in (c), and in steps of 20 km s^{-1} in (d).



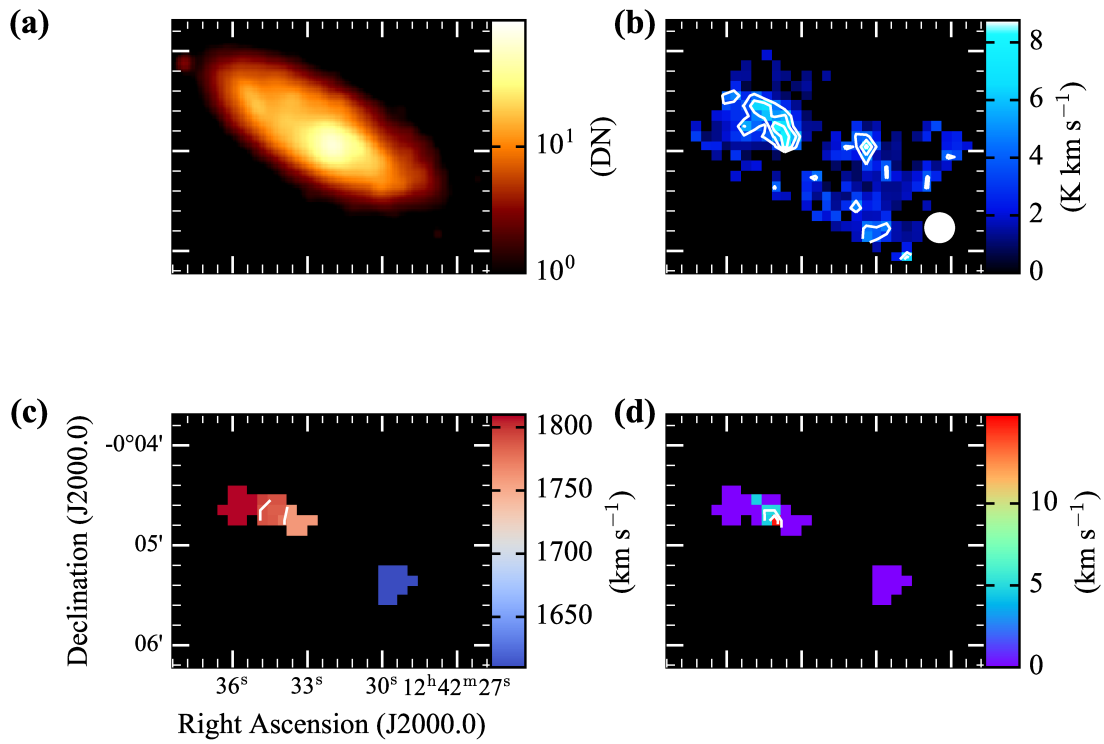
Supplementary fig. 91. Same as figure 12, but for NGC 4605. The contours are plotted at 55 % and 70 % of the maximum intensity of 9.00 K km s^{-1} in (b), in steps of 5 km s^{-1} in (c), and in steps of 2 km s^{-1} in (d).

NGC 4602

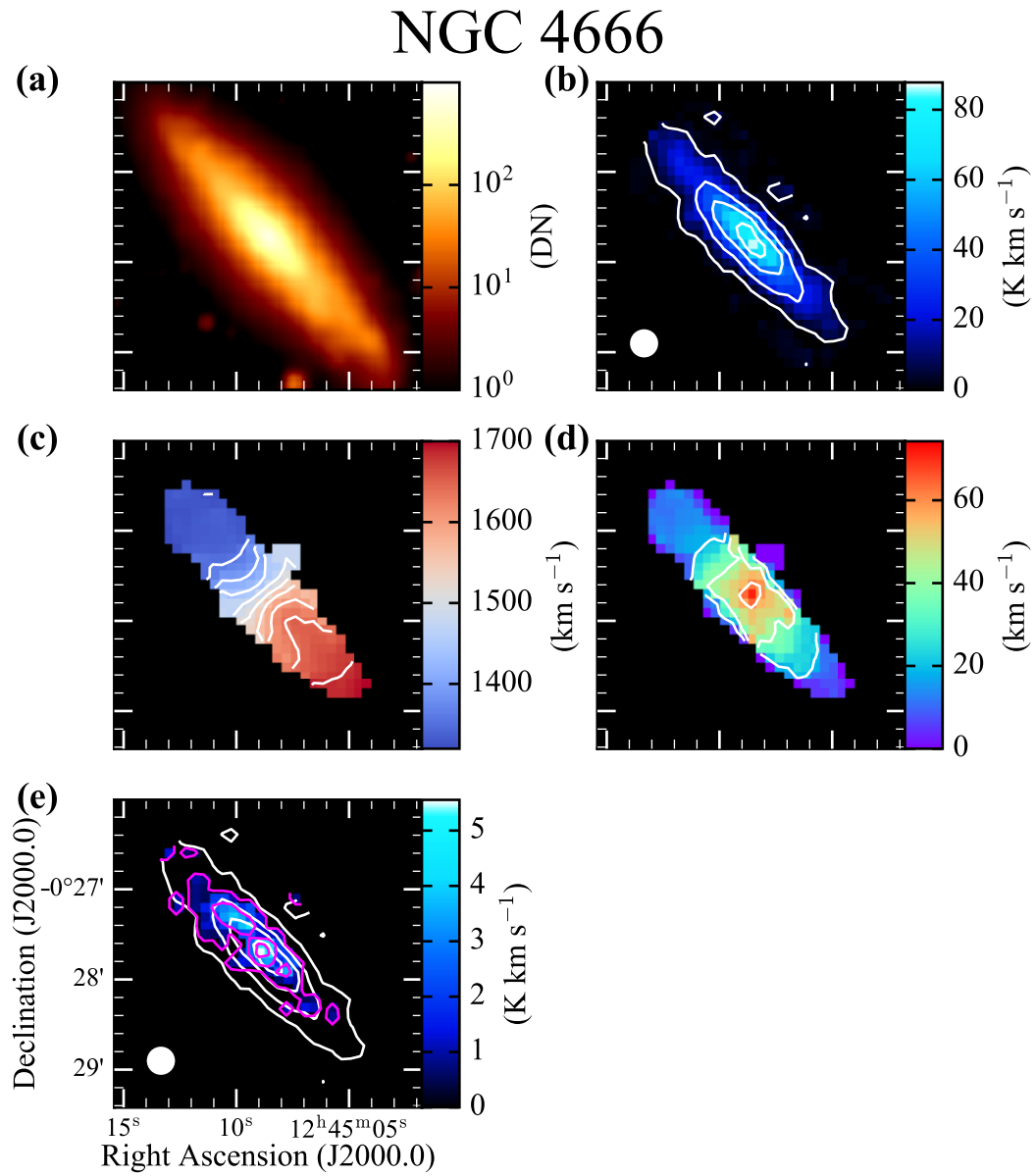


Supplementary fig. 92. Same as figure 12, but for NGC 4602. The contours are plotted at 25%, 40%, 65%, and 90% of the maximum intensity of $23.64 \text{ K km s}^{-1}$ in (b), in steps of 40 km s^{-1} in (c), and in steps of 10 km s^{-1} in (d).

NGC 4632

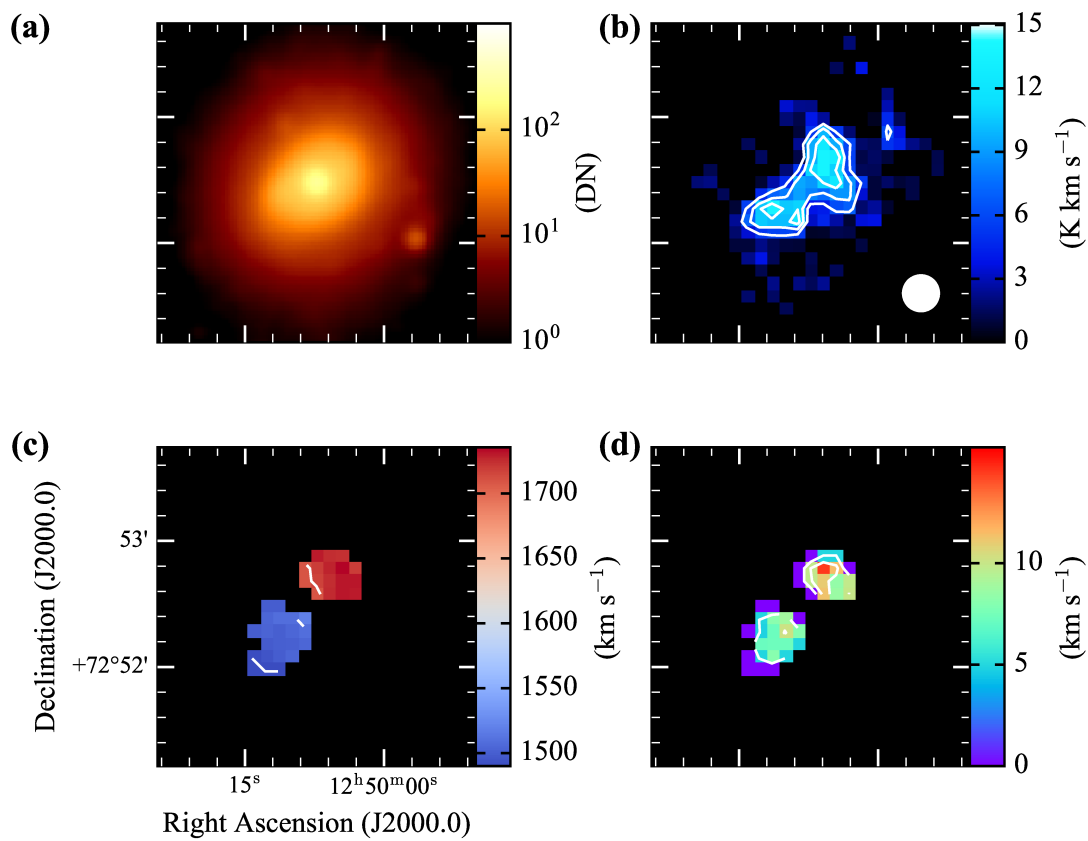


Supplementary fig. 93. Same as figure 12, but for NGC 4632. The contours are plotted at 45 %, 65 %, and 85 % of the maximum intensity of 8.31 K km s^{-1} in (b), in steps of 20 km s^{-1} in (c), and in steps of 5 km s^{-1} in (d).



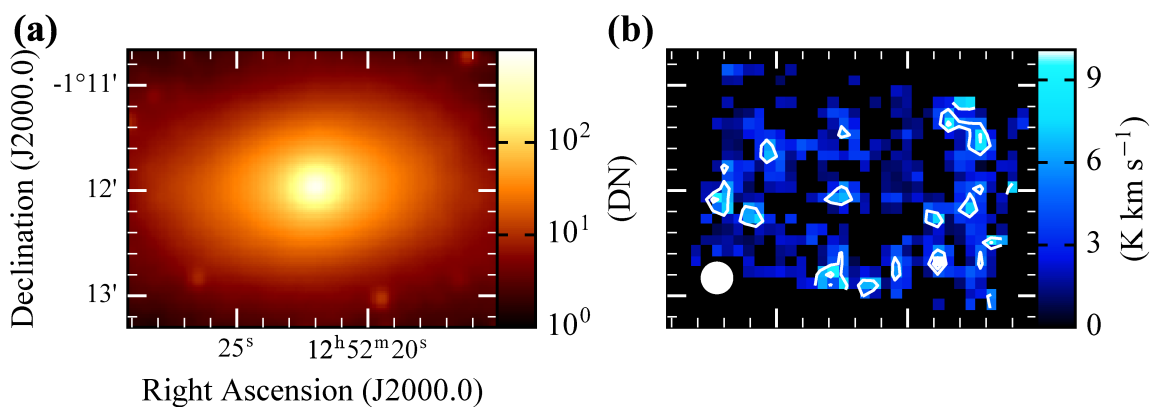
Supplementary fig. 94. Same as figure 12, but for NGC 4666. The contours are plotted at 5%, 30%, 55%, and 80% of the maximum intensity of $86.52 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 40 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 5%, 45%, and 85% of the maximum intensity of 5.51 K km s^{-1} in (e) (*magenta*).

NGC 4750

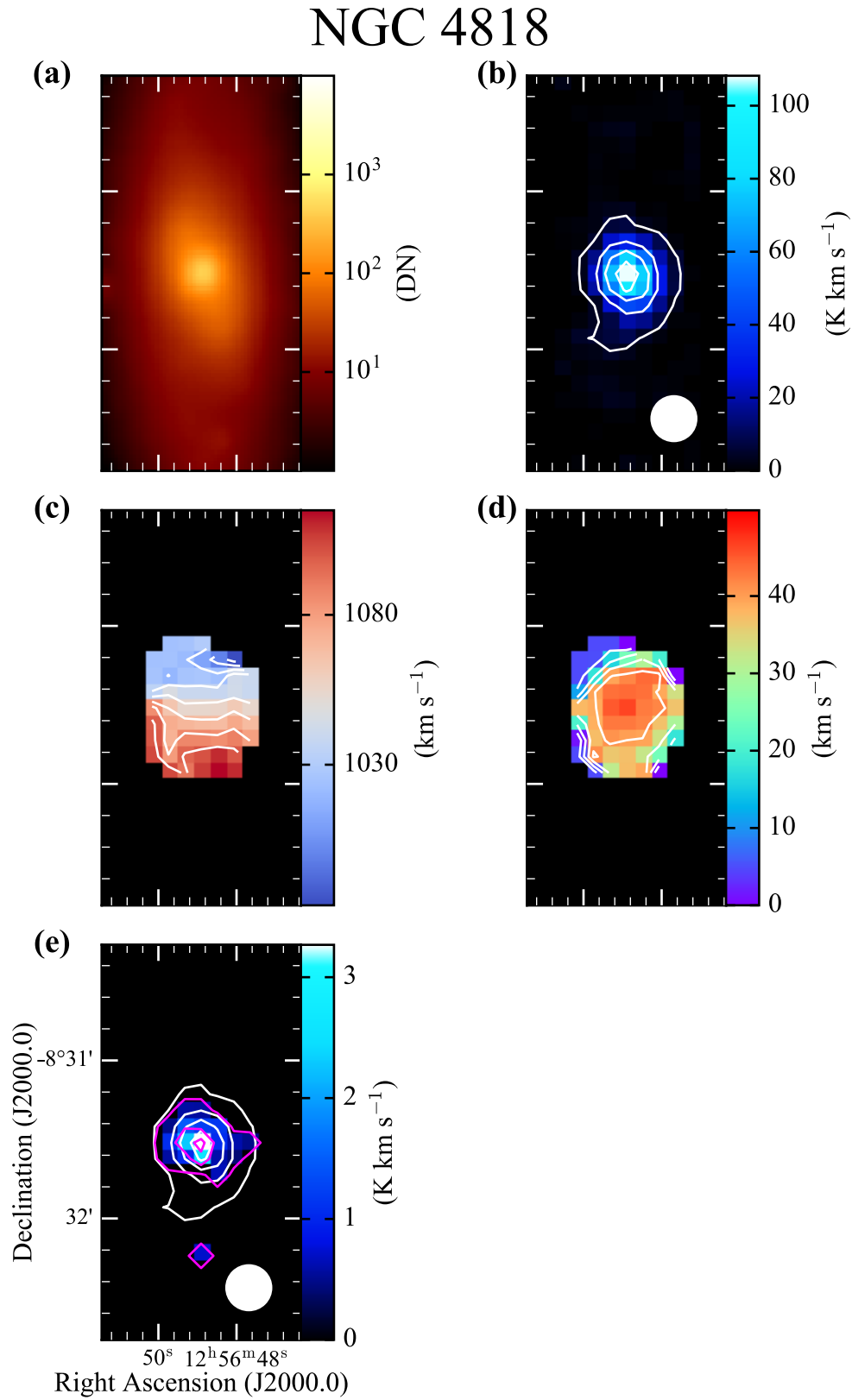


Supplementary fig. 95. Same as figure 12, but for NGC 4750. The contours are plotted at 40 %, 60 %, and 80 % of the maximum intensity of $13.75 \text{ K km s}^{-1}$ in (b), in steps of 25 km s^{-1} in (c), and in steps of 5 km s^{-1} in (d).

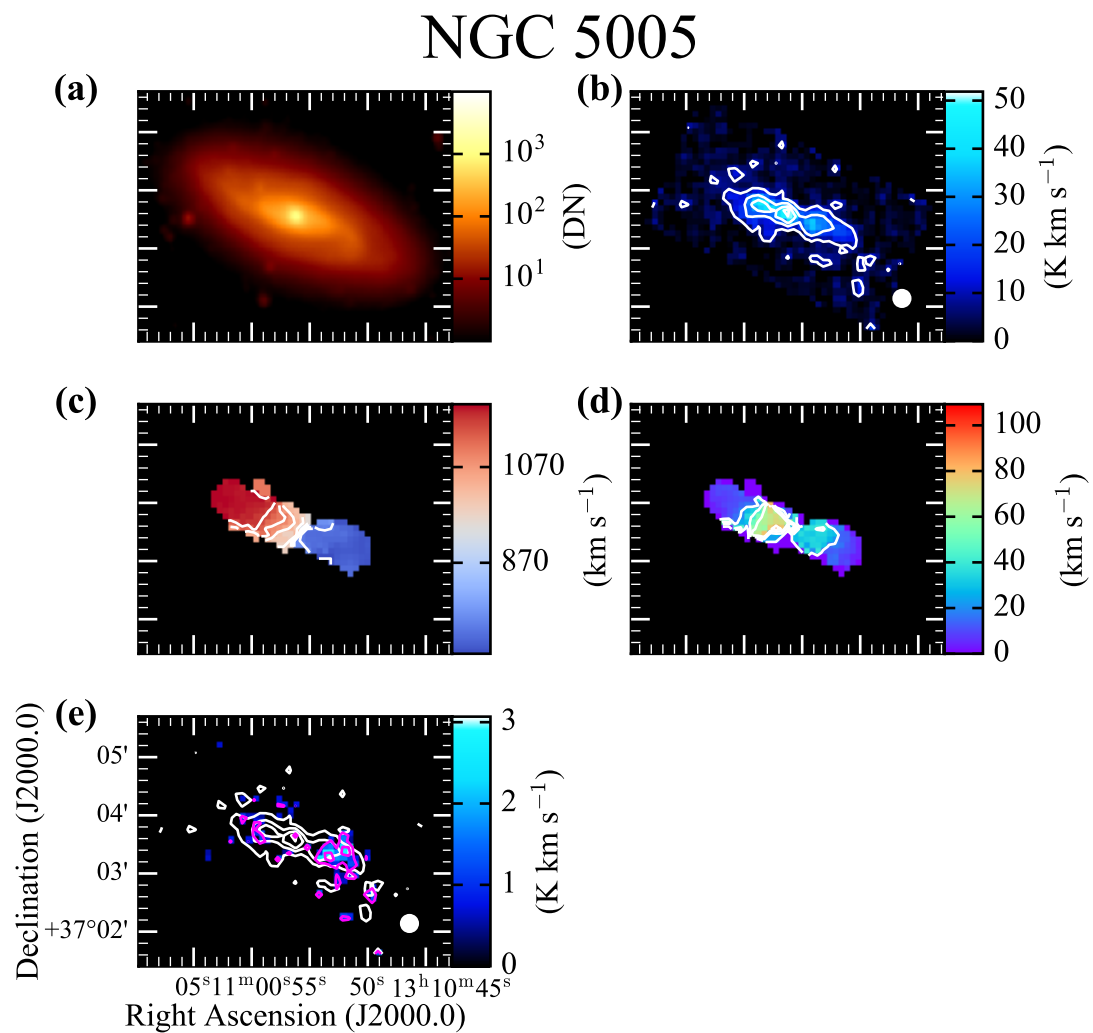
NGC 4753



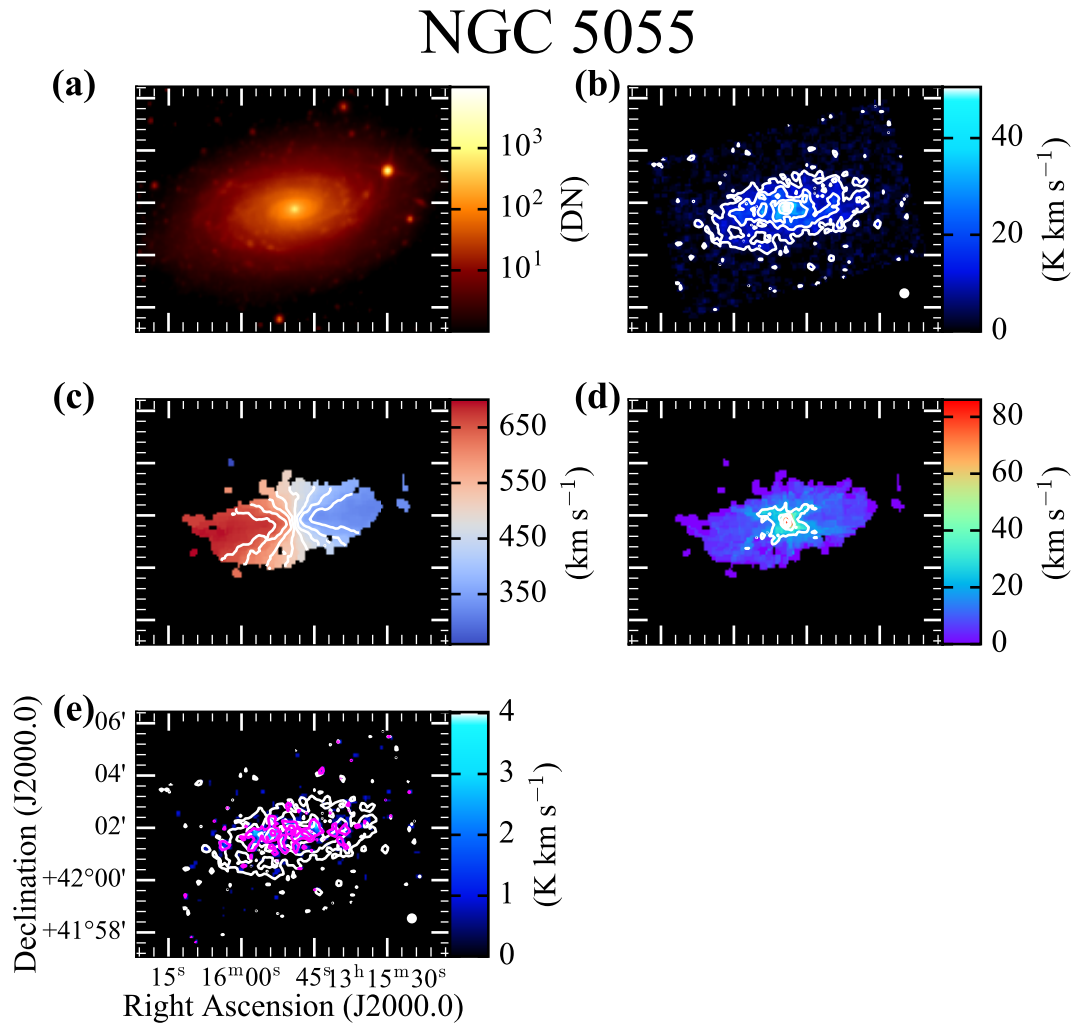
Supplementary fig. 96. Same as figure 12, but for NGC 4753. The contours are plotted at 40 % and 70 % of the maximum intensity of $11.57 \text{ K km s}^{-1}$ in (b).



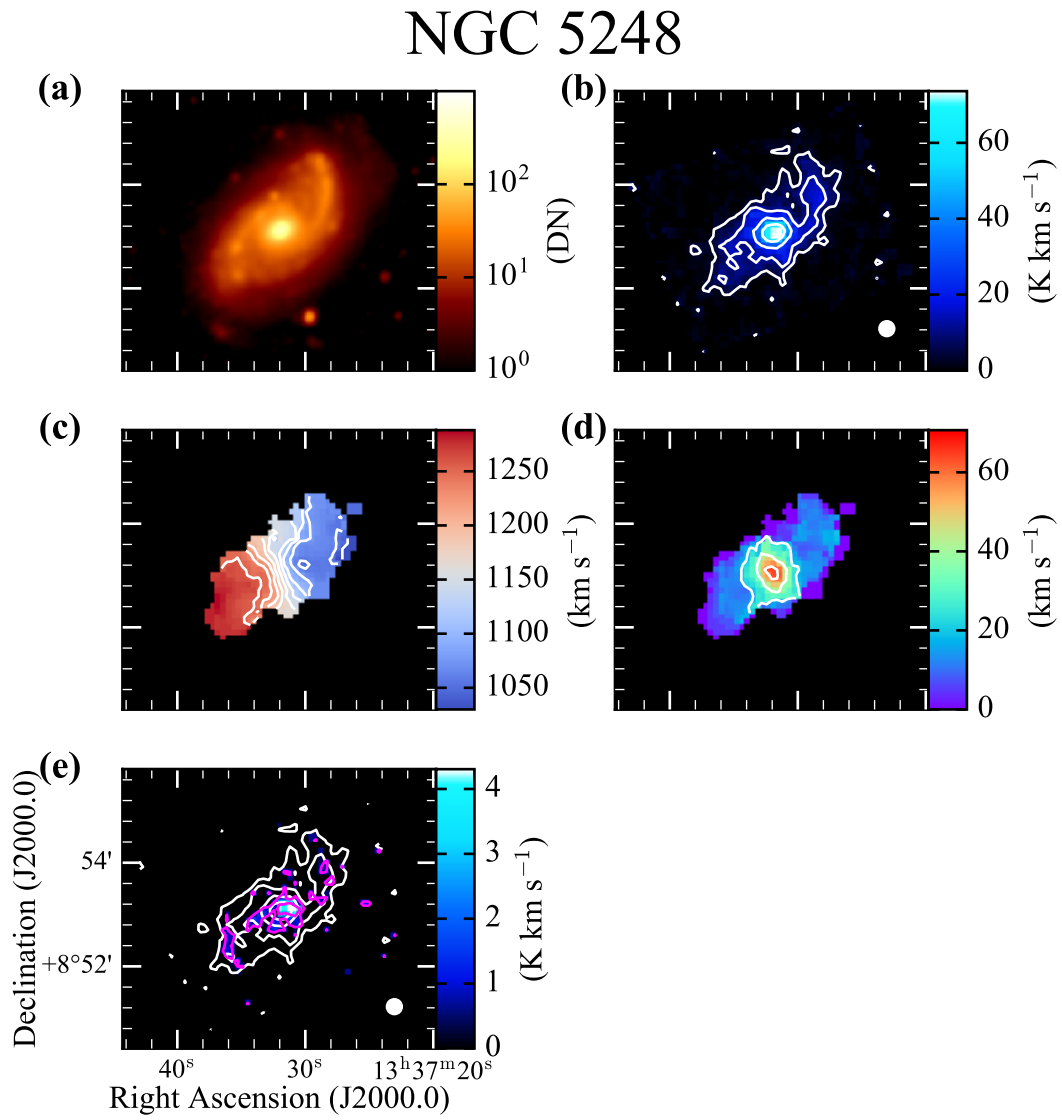
Supplementary fig. 97. Same as figure 12, but for NGC 4818. The contours are plotted at 5%, 30%, 55%, and 80% of the maximum intensity of $107.46 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 15 km s^{-1} in (c), in steps of 10 km s^{-1} in (d), and at 5%, 45%, and 85% of the maximum intensity of 3.50 K km s^{-1} in (e) (*magenta*).



Supplementary fig. 98. Same as figure 12, but for NGC 5005. The contours are plotted at 15%, 40%, 65%, and 90% of the maximum intensity of $56.29 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 60 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 20% and 70% of the maximum intensity of 3.76 K km s^{-1} in (e) (*magenta*).

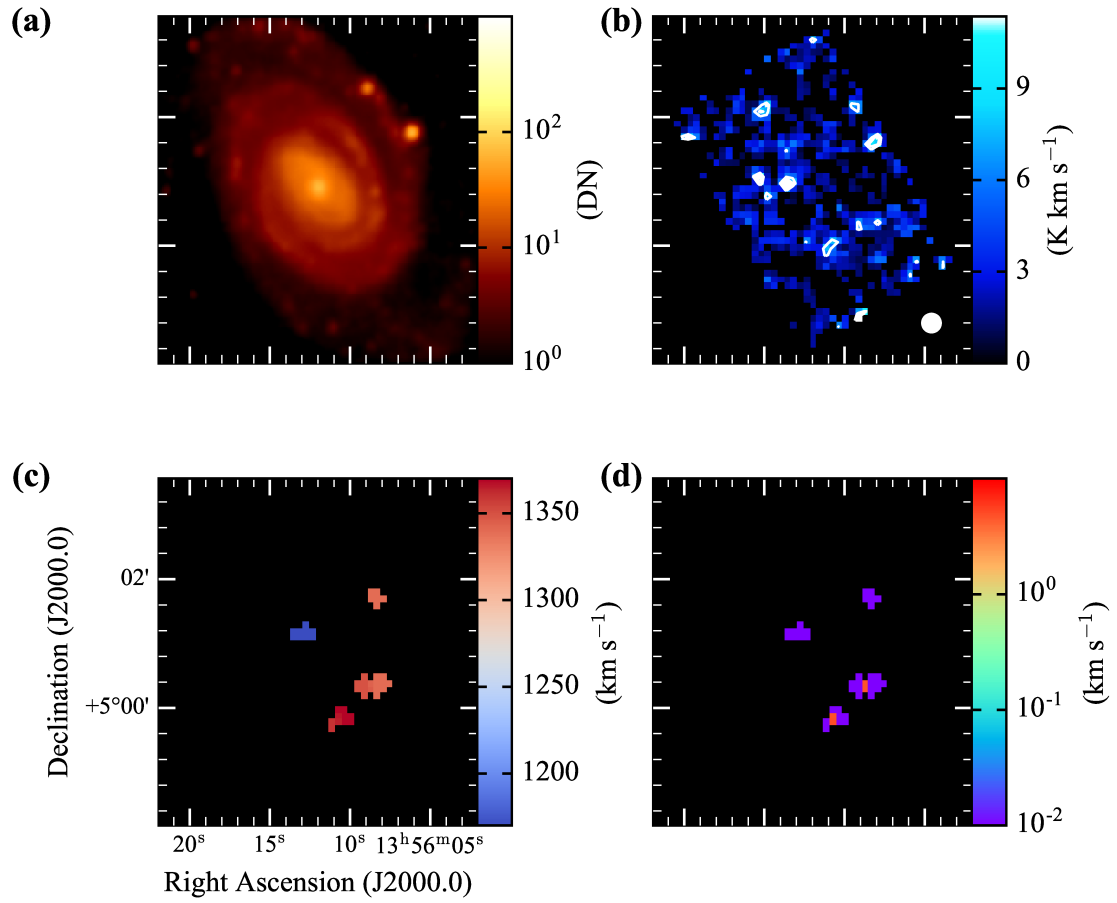


Supplementary fig. 99. Same as figure 12, but for NGC 5055. The contours are plotted at 7%, 15%, 25%, and 45% of the maximum intensity of $91.35 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 45 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 20% and 70% of the maximum intensity of 5.03 K km s^{-1} in (e) (*magenta*).

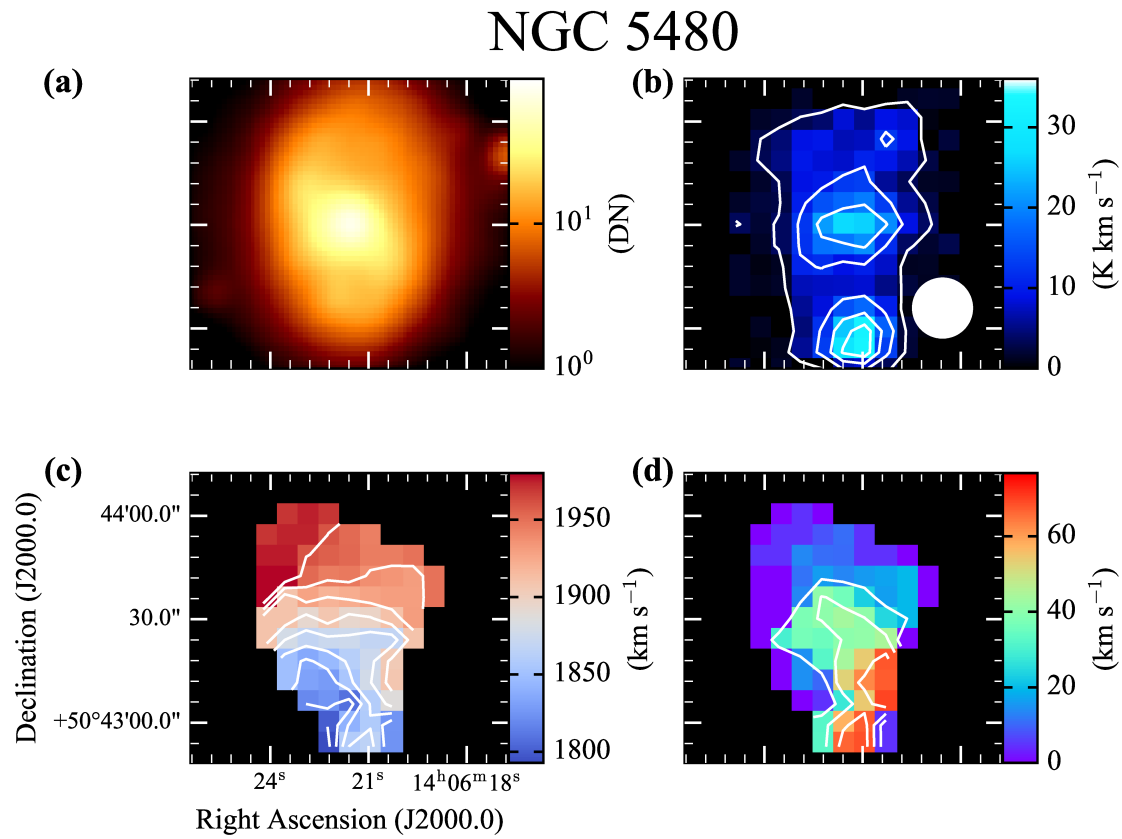


Supplementary fig. 100. Same as figure 12, but for NGC 5248. The contours are plotted at 5%, 15%, 35%, and 65% of the maximum intensity of $83.84 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 25 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 15% and 65% of the maximum intensity of 4.46 K km s^{-1} in (e) (*magenta*).

NGC 5364

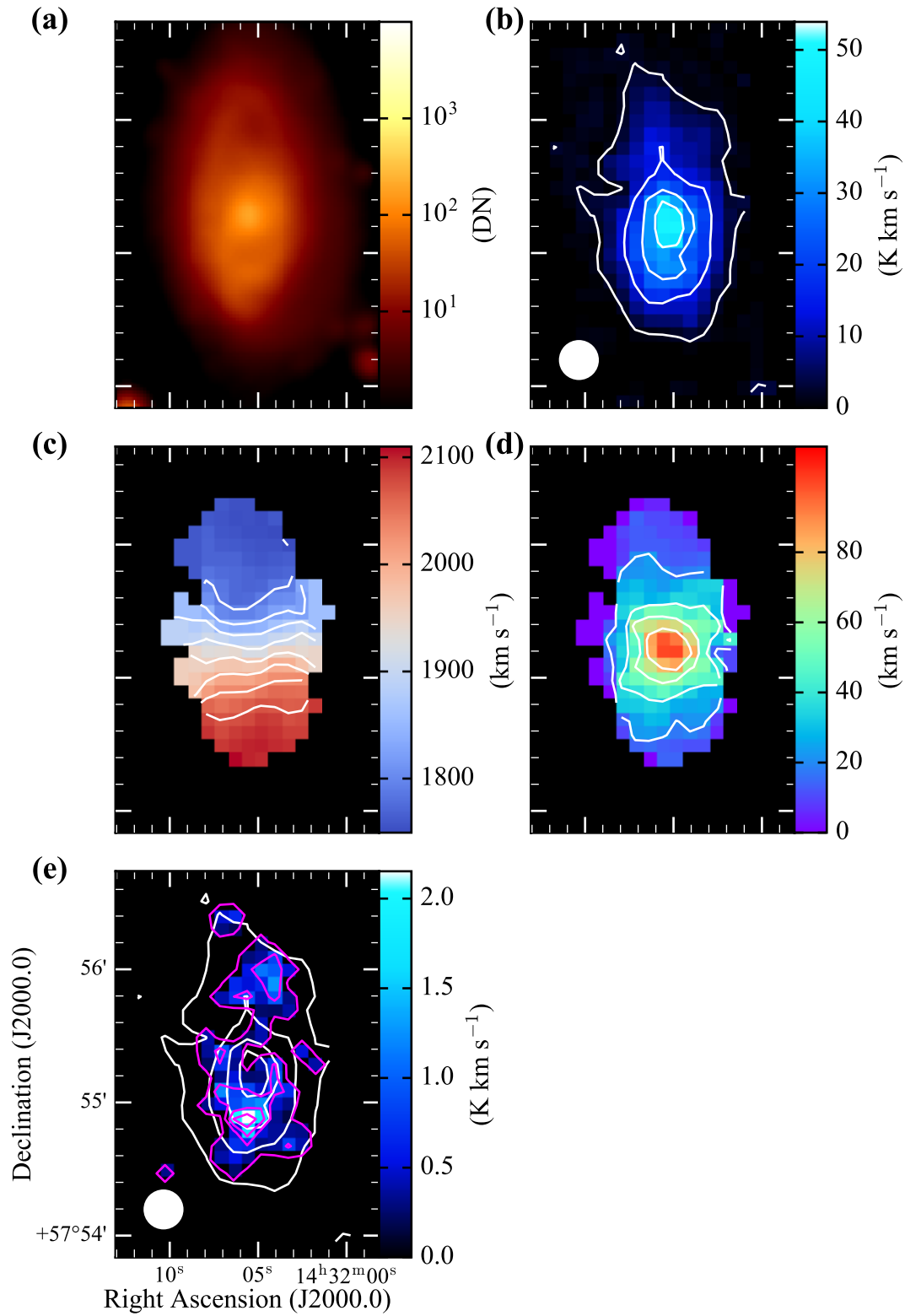


Supplementary fig. 101. Same as figure 12, but for NGC 5364. The contours are plotted at 50 %, 65 %, 80 %, and 95 % of the maximum intensity of $11.83 \text{ K km s}^{-1}$ in (b).



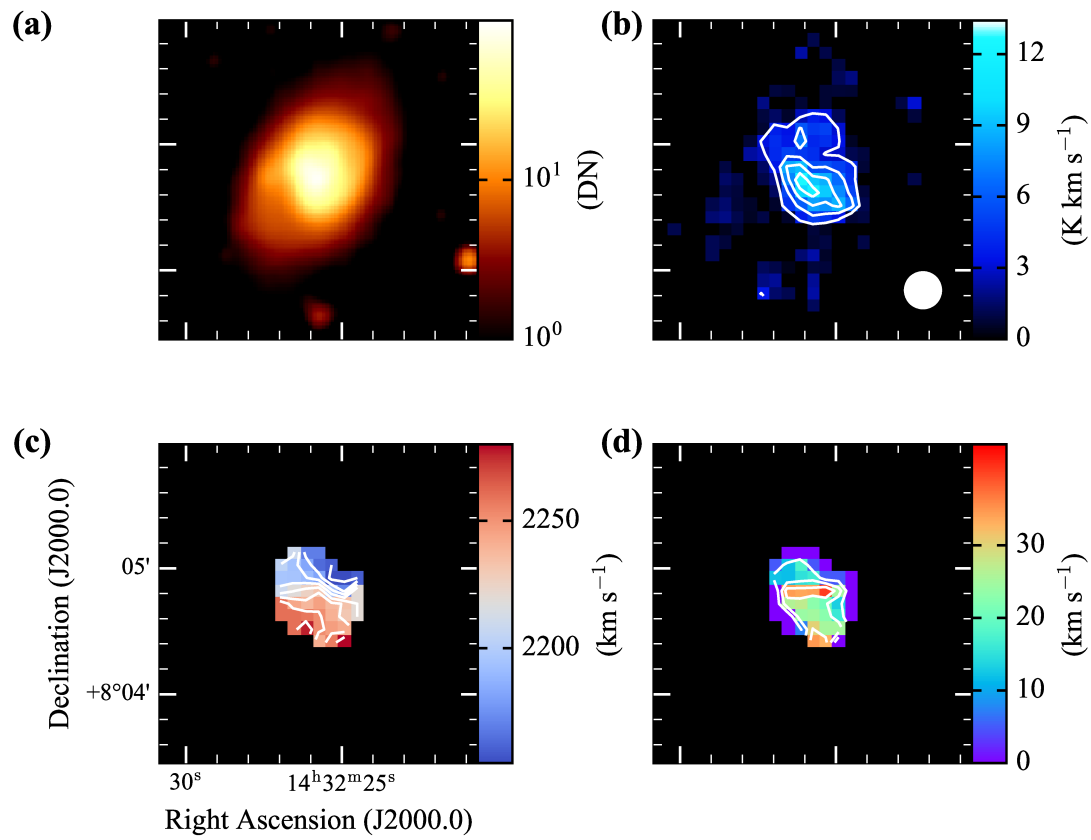
Supplementary fig. 102. Same as figure 12, but for NGC 5480. The contours are plotted at 10 %, 35 %, 60 %, and 85 % of the maximum intensity of $32.94 \text{ K km s}^{-1}$ in (b) and in steps of 20 km s^{-1} in (c) and (d).

NGC 5678

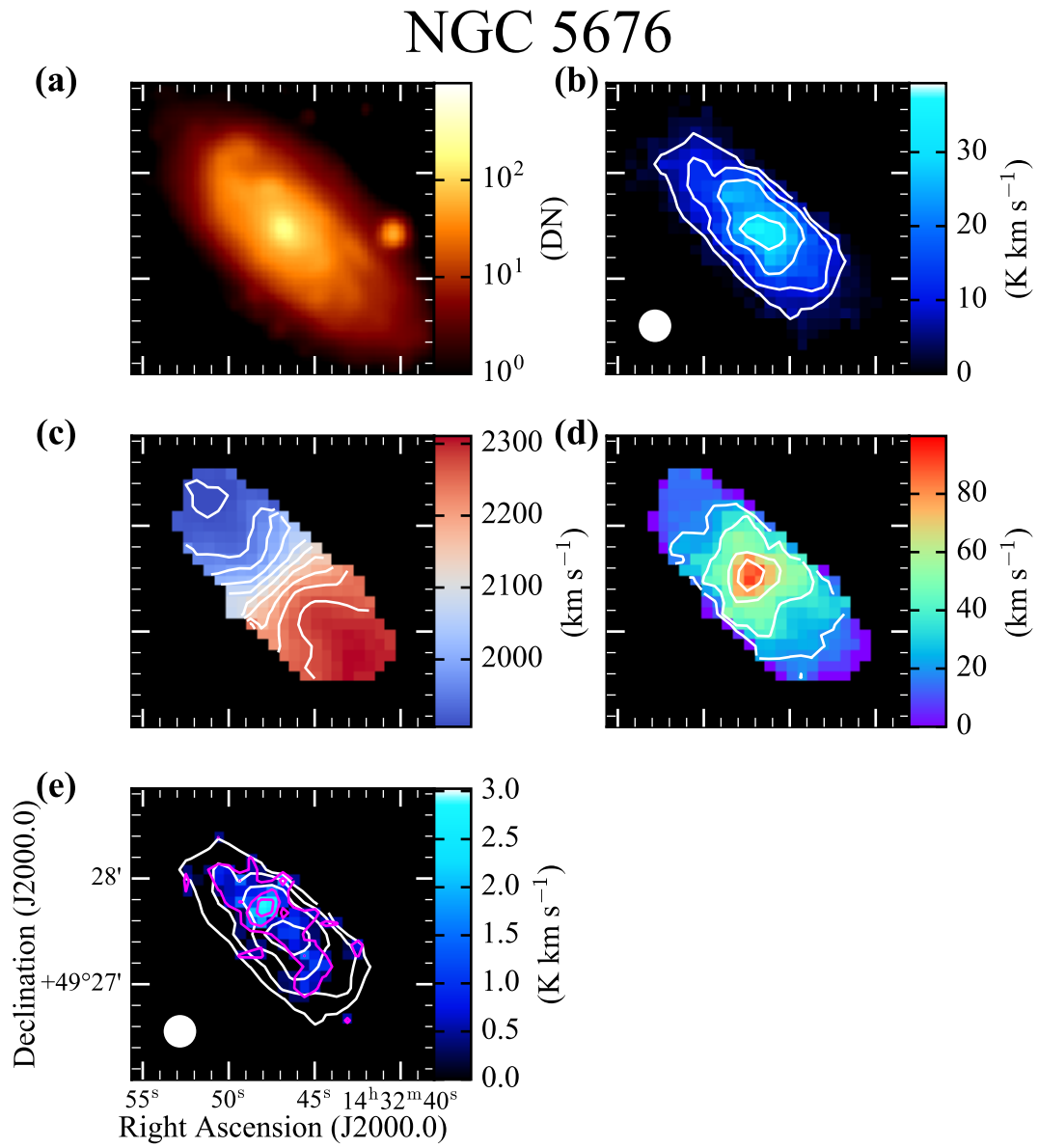


Supplementary fig. 103. Same as figure 12, but for NGC5678. The contours are plotted at 5%, 30%, 55%, and 80% of the maximum intensity of $49.72 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 40 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 5%, 30%, 55%, and 80% of the maximum intensity of 2.44 K km s^{-1} in (e) (*magenta*).

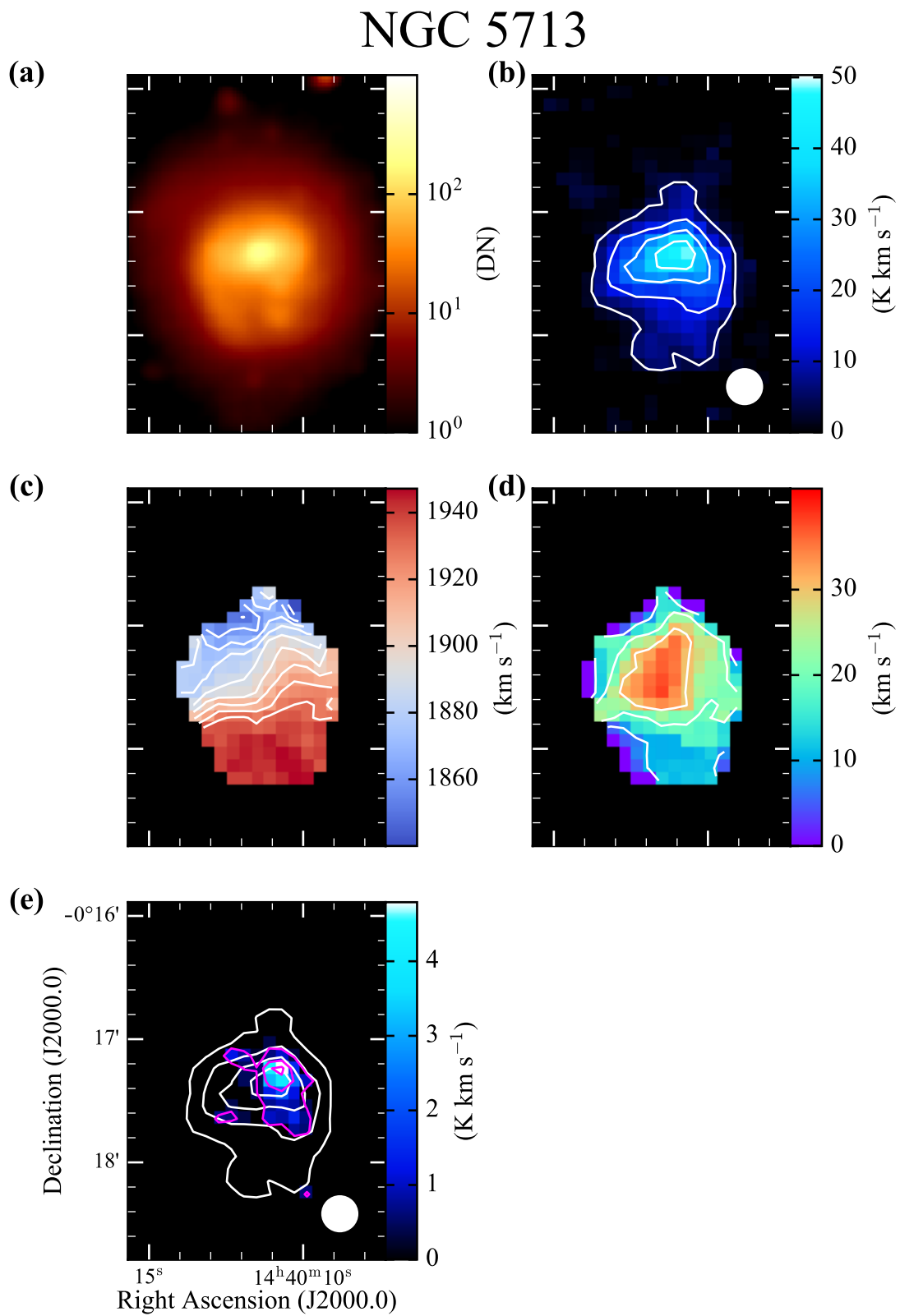
NGC 5665



Supplementary fig. 104. Same as figure 12, but for NGC 5665. The contours are plotted at 25%, 45%, 65%, and 85% of the maximum intensity of $12.71 \text{ K km s}^{-1}$ in (b), in steps of 15 km s^{-1} in (c), and in steps of 10 km s^{-1} in (d).

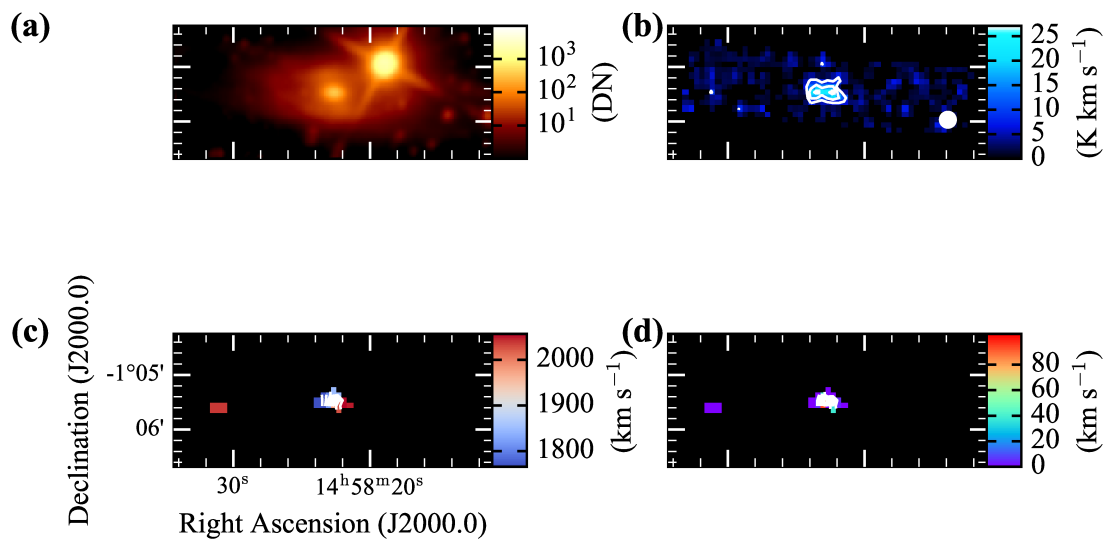


Supplementary fig. 105. Same as figure 12, but for NGC5676. The contours are plotted at 15%, 30%, 55%, and 80% of the maximum intensity of $36.60 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 40 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 15%, 50%, and 85% of the maximum intensity of 2.88 K km s^{-1} in (e) (*magenta*).



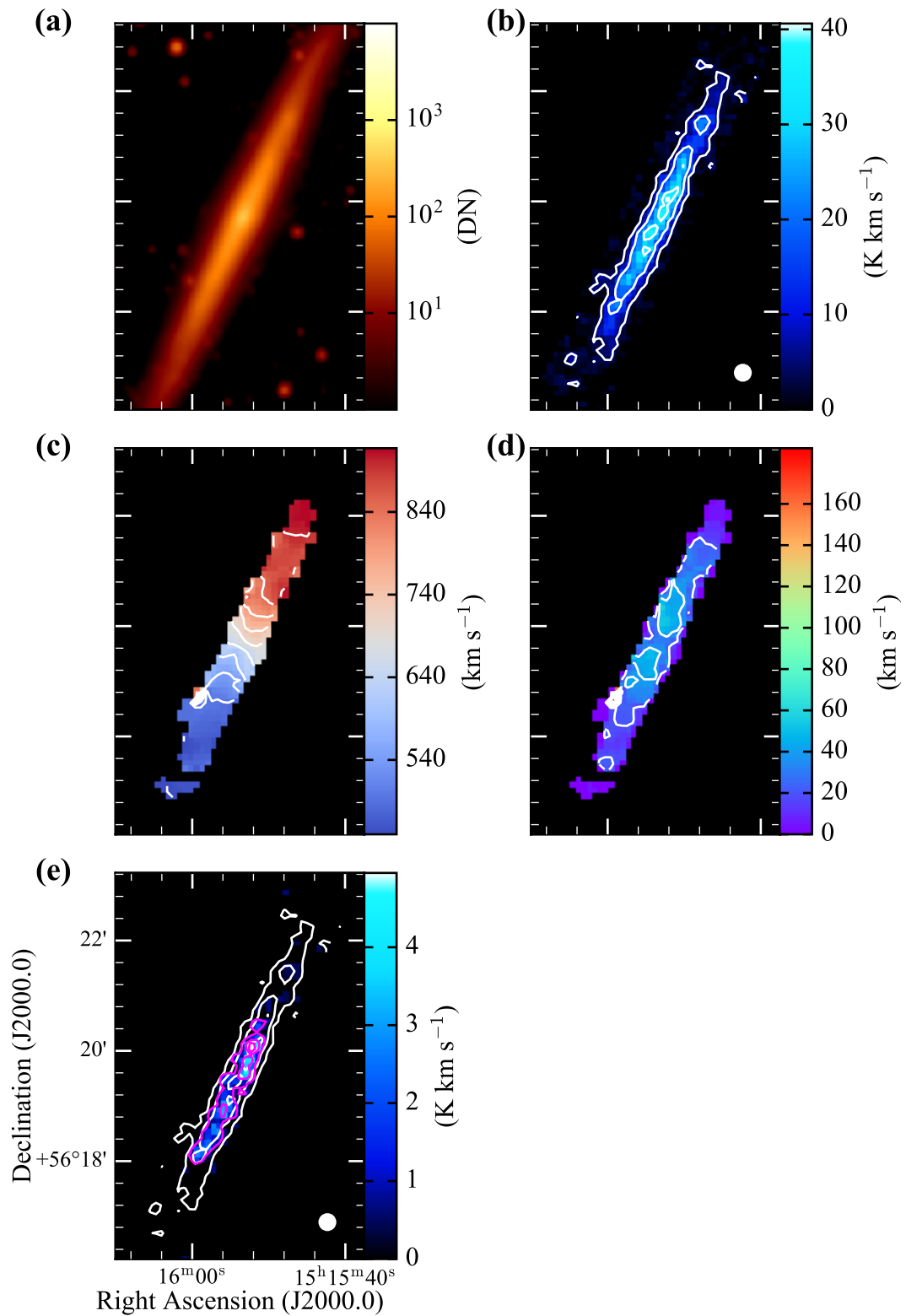
Supplementary fig. 106. Same as figure 12, but for NGC5713. The contours are plotted at 10 %, 30 %, 55 %, and 80 % of the maximum intensity of $48.57 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 10 km s^{-1} in (c) and (d), and at 10 %, 50 %, and 90 % of the maximum intensity of 4.96 K km s^{-1} in (e) (*magenta*).

NGC 5792



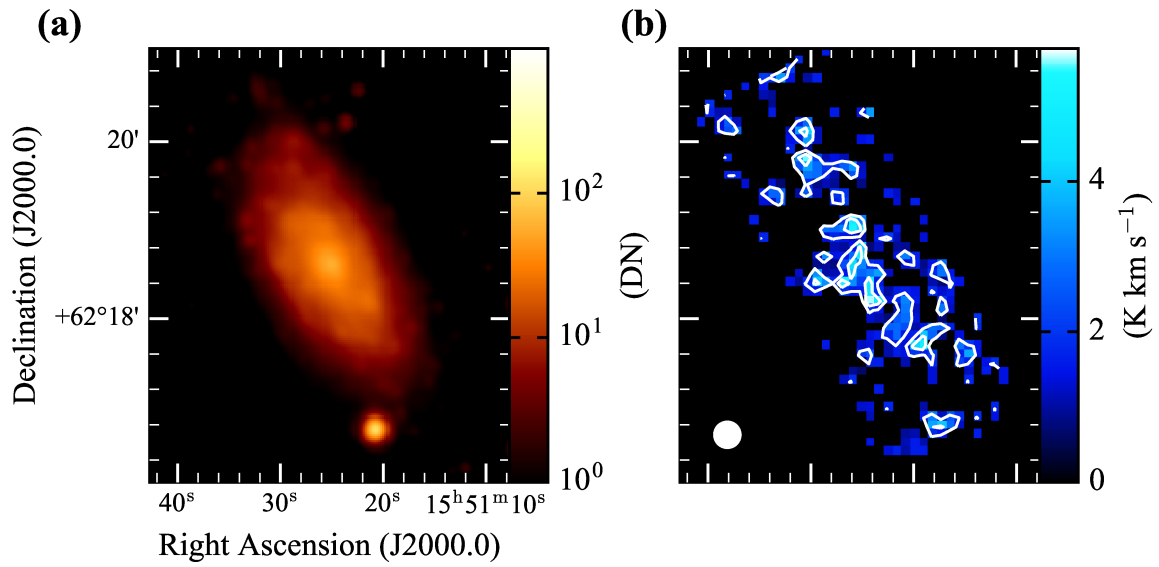
Supplementary fig. 107. Same as figure 12, but for NGC 5792. The contours are plotted at 30 %, 60 %, and 90 % of the maximum intensity of $27.76 \text{ K km s}^{-1}$ in (b), in steps of 30 km s^{-1} in (c), and in steps of 20 km s^{-1} in (d).

NGC 5907



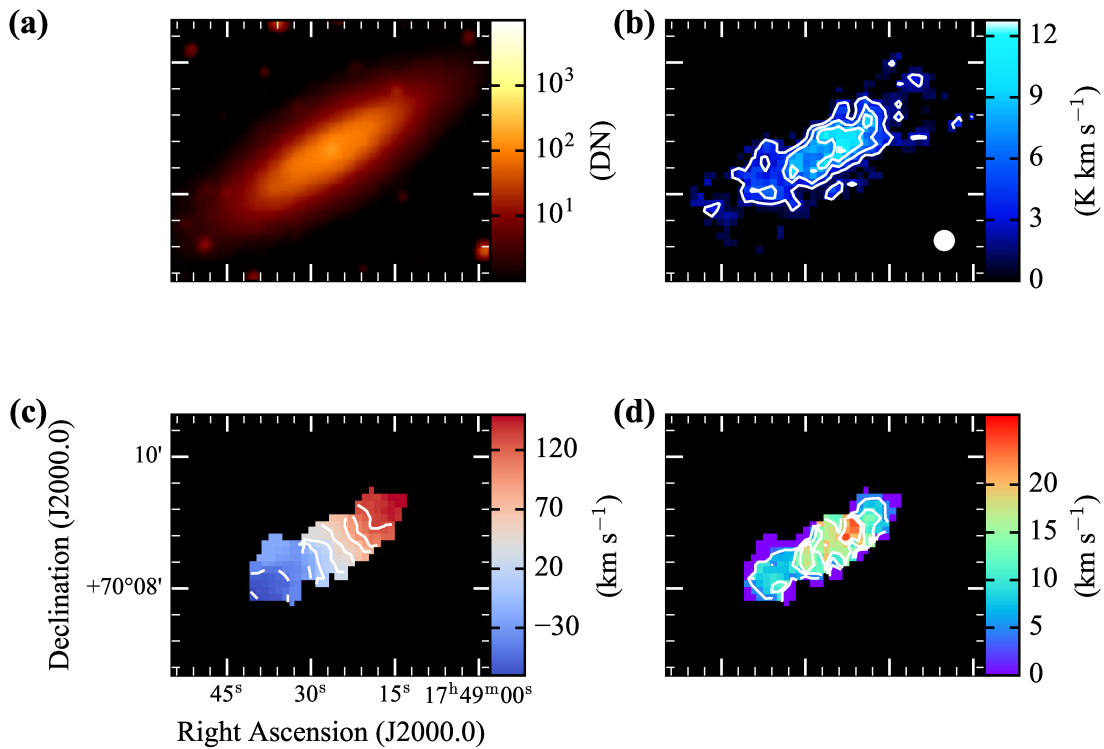
Supplementary fig. 108. Same as figure 12, but for NGC 5907. The contours are plotted at 10 %, 40 %, and 80 % of the maximum intensity of 40.49 K km s⁻¹ in (b) and (e) (*white*), in steps of 50 km s⁻¹ in (c), in steps of 20 km s⁻¹ in (d), and at 10 %, 40 %, and 70 % of the maximum intensity of 7.05 K km s⁻¹ in (e) (*magenta*).

NGC 6015

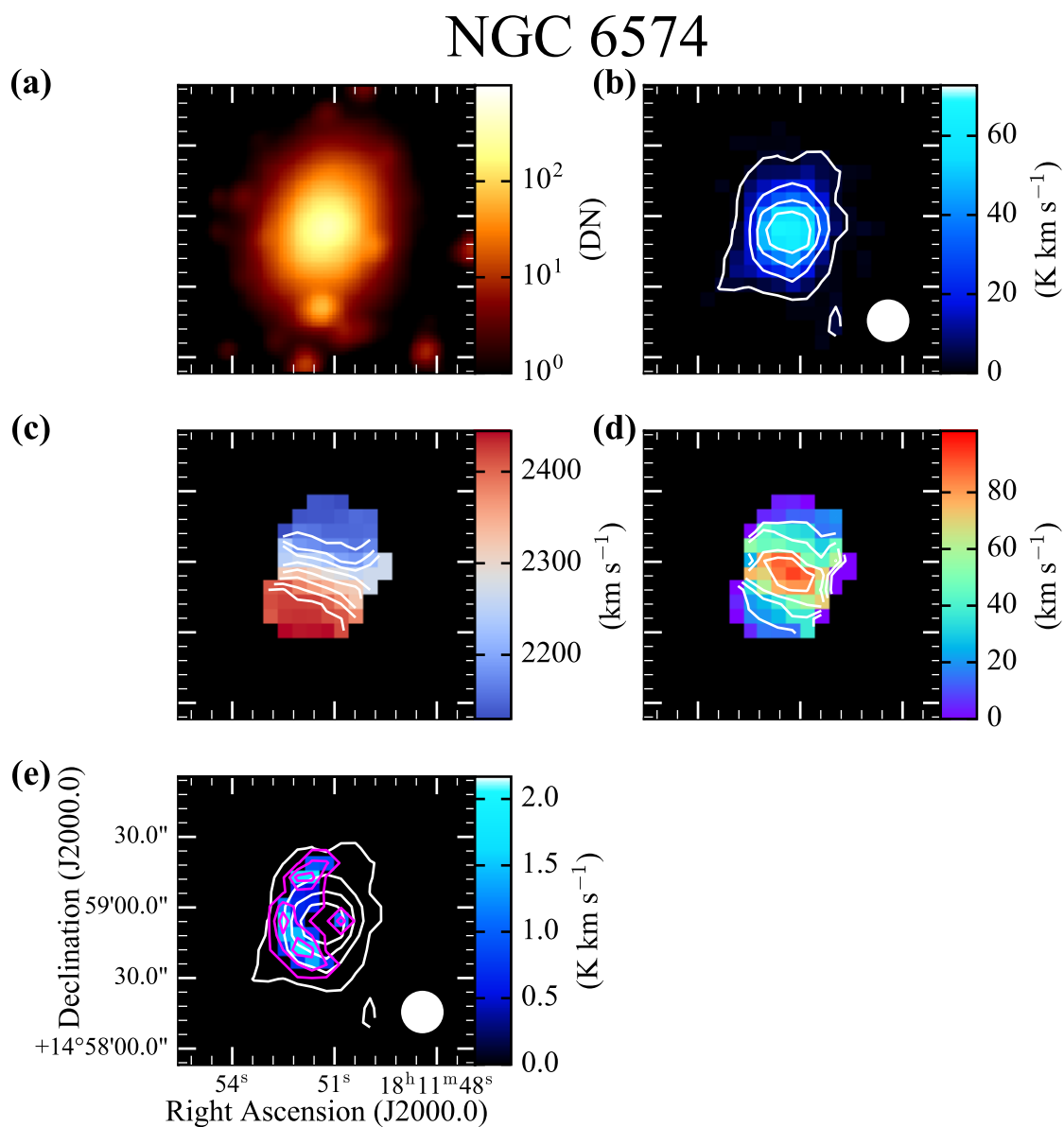


Supplementary fig. 109. Same as figure 12, but for NGC 6015. The contours are plotted at 30% and 65% of the maximum intensity of 5.66 K km s^{-1} in (b).

NGC 6503

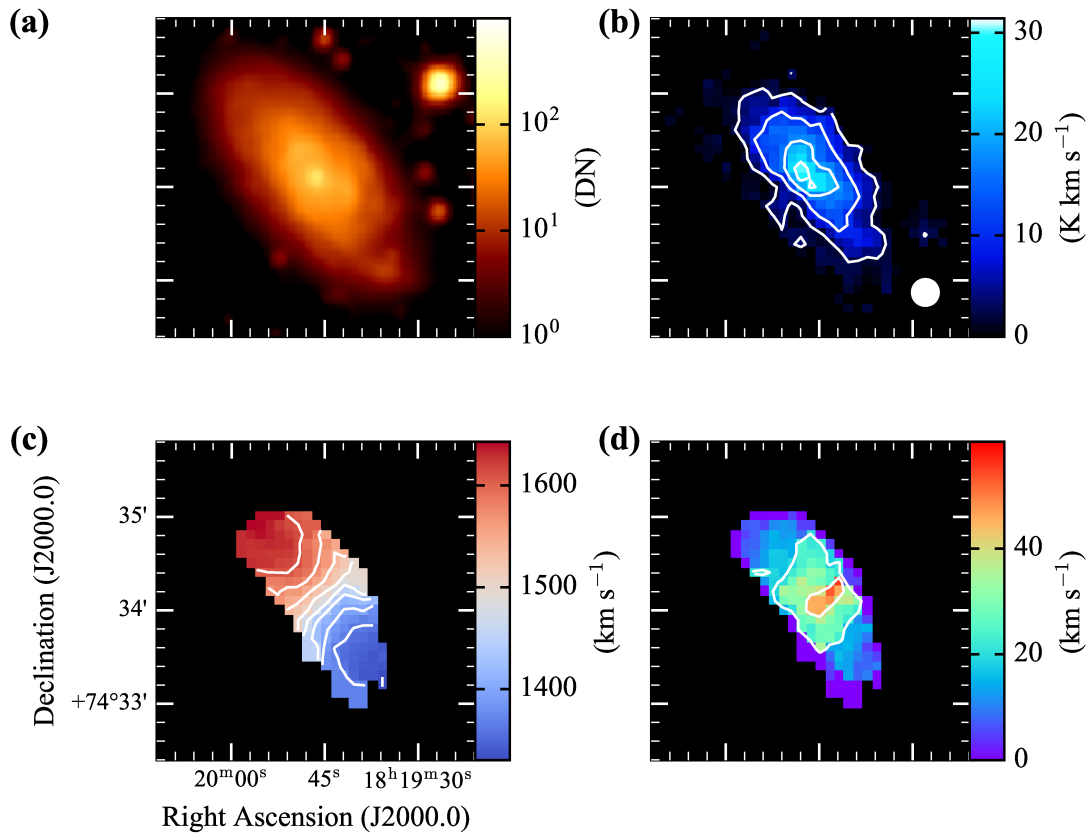


Supplementary fig. 110. Same as figure 12, but for NGC 6503. The contours are plotted at 20%, 45%, 70%, and 95% of the maximum intensity of $12.52 \text{ K km s}^{-1}$ in (b), in steps of 25 km s^{-1} in (c), and in steps of 5 km s^{-1} in (d).



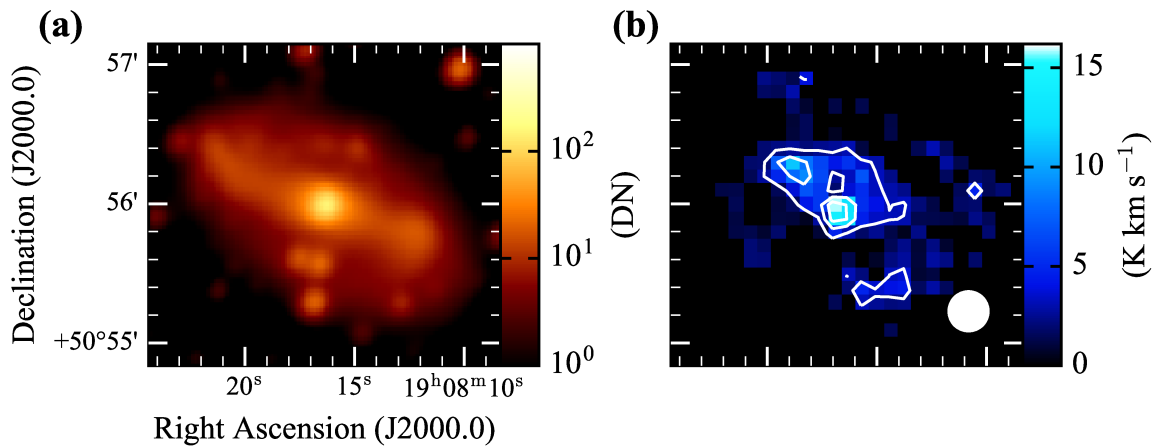
Supplementary fig. 111. Same as figure 12, but for NGC 6574. The contours are plotted at 5%, 30%, 55%, and 80% of the maximum intensity of $66.75 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 35 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 5%, 40%, and 75% of the maximum intensity of 2.02 K km s^{-1} in (e) (*magenta*).

NGC 6643



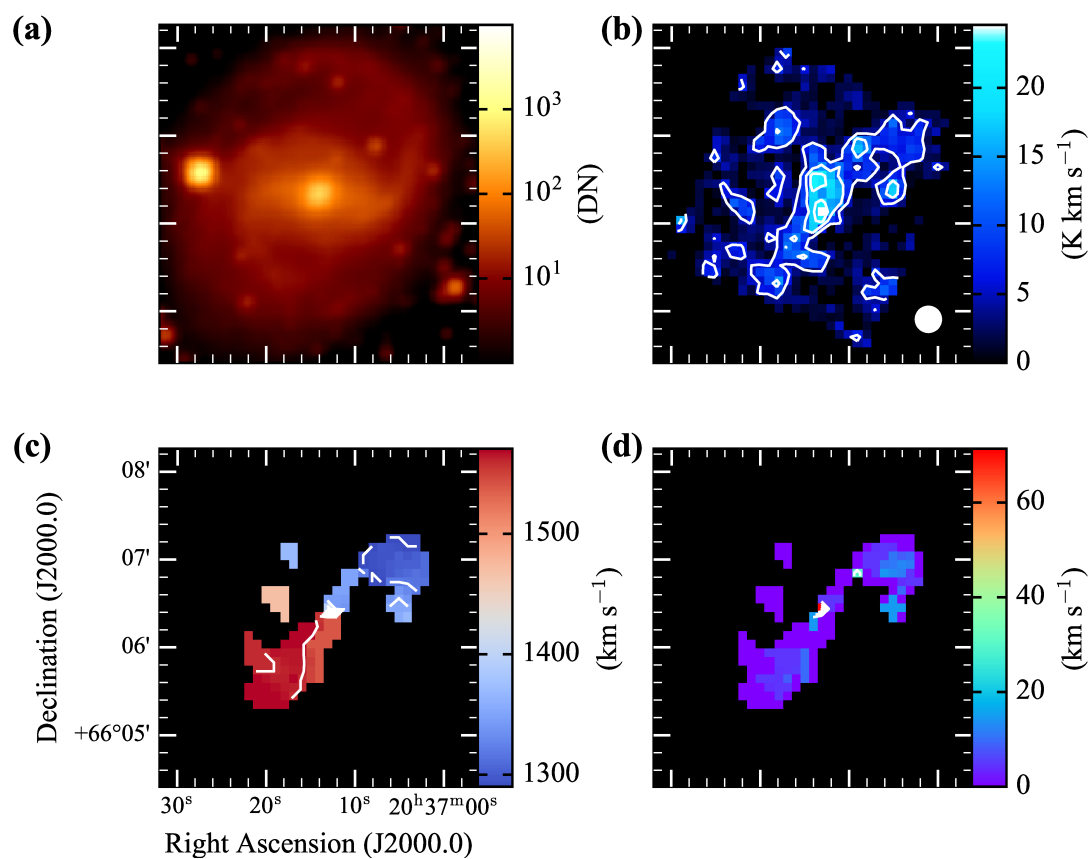
Supplementary fig. 112. Same as figure 12, but for NGC 6643. The contours are plotted at 10 %, 35 %, 60 %, and 85 % of the maximum intensity of $30.31 \text{ K km s}^{-1}$ in (b), in steps of 35 km s^{-1} in (c), and in steps of 20 km s^{-1} in (d).

NGC 6764



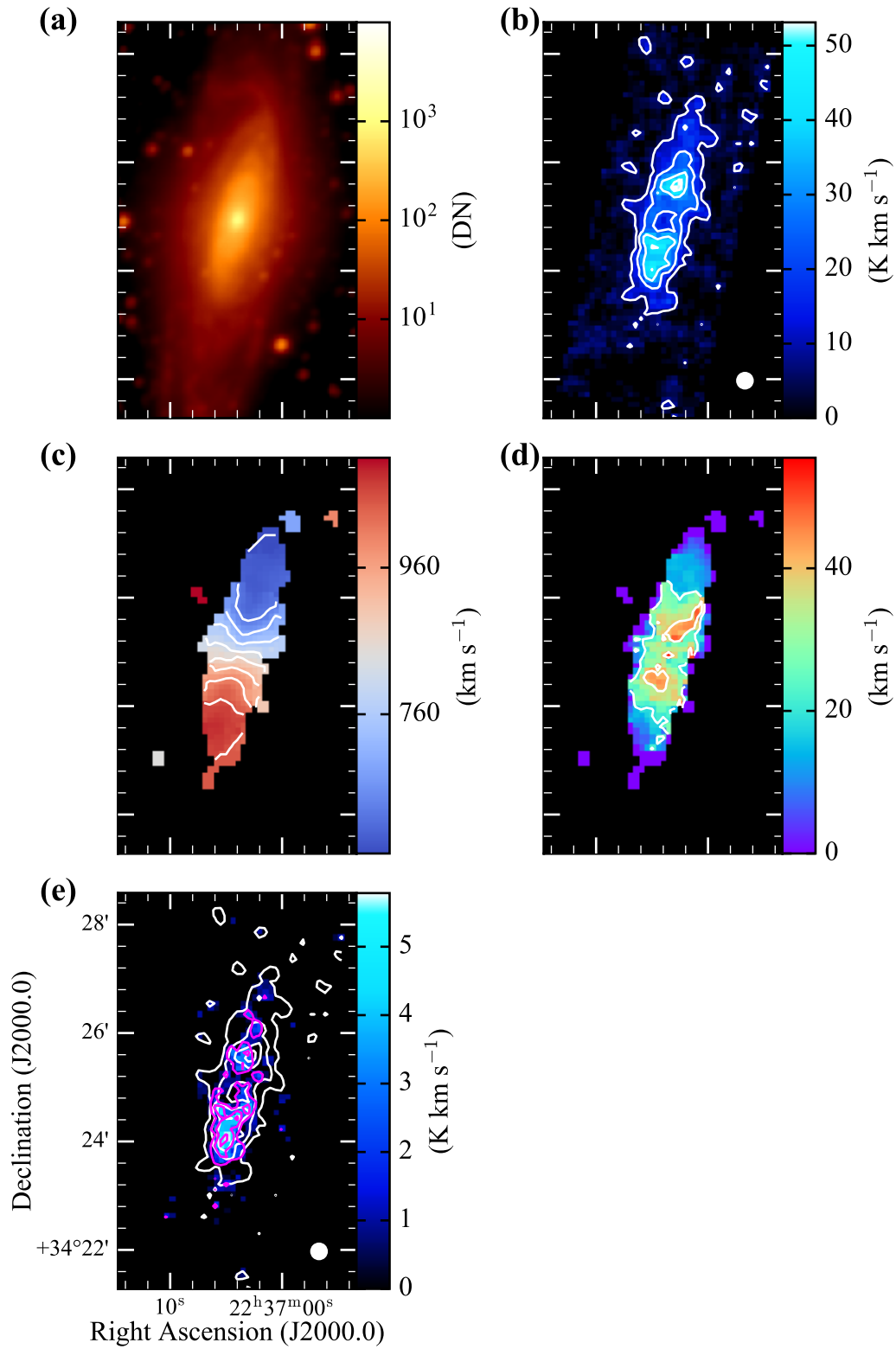
Supplementary fig. 113. Same as figure 12, but for NGC 6764. The contours are plotted at 20 %, 50 %, and 80 % of the maximum intensity of $15.90 \text{ K km s}^{-1}$ in (b).

NGC 6951



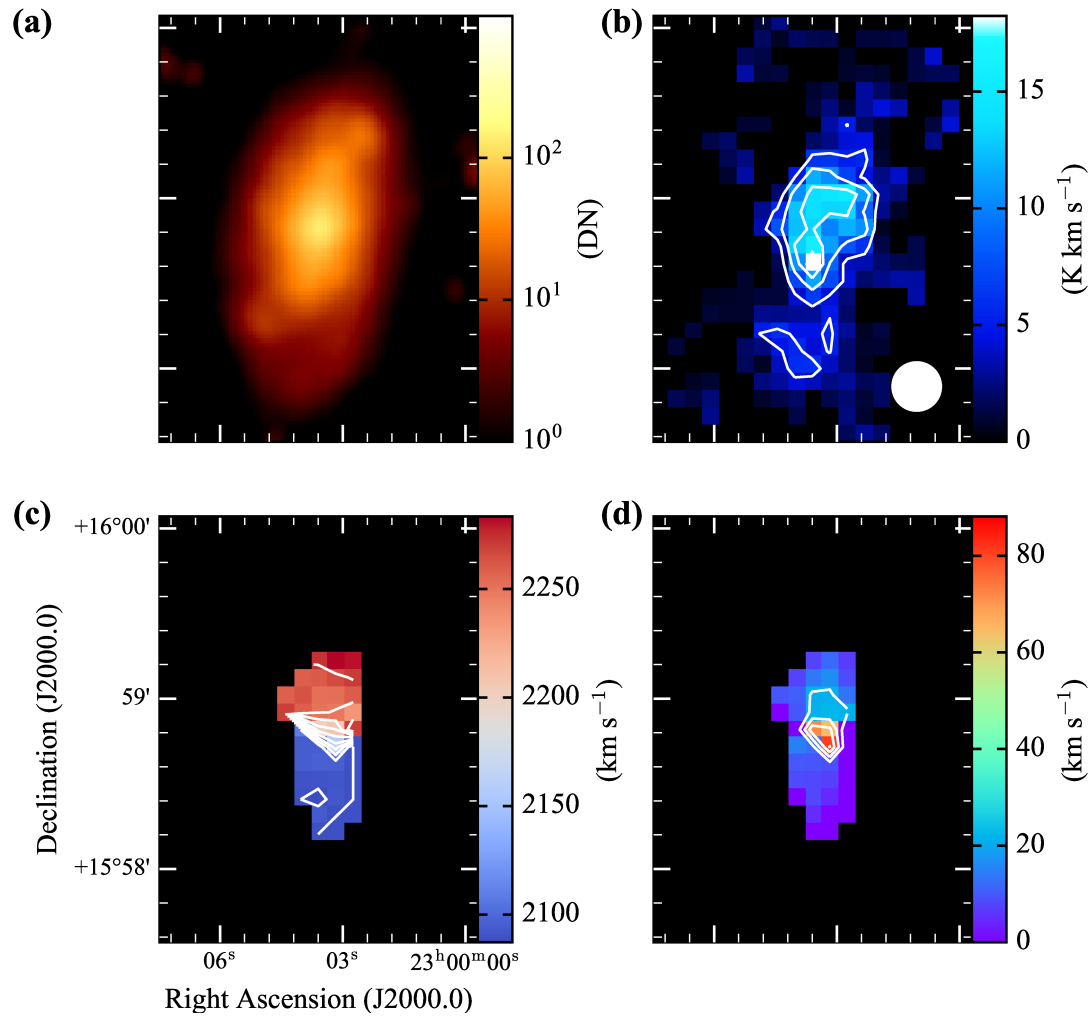
Supplementary fig. 114. Same as figure 12, but for NGC 6951. The contours are plotted at 20%, 45%, 70%, and 95% of the maximum intensity of $27.52 \text{ K km s}^{-1}$ in (b), in steps of 30 km s^{-1} in (c), and in steps of 20 km s^{-1} in (d).

NGC 7331



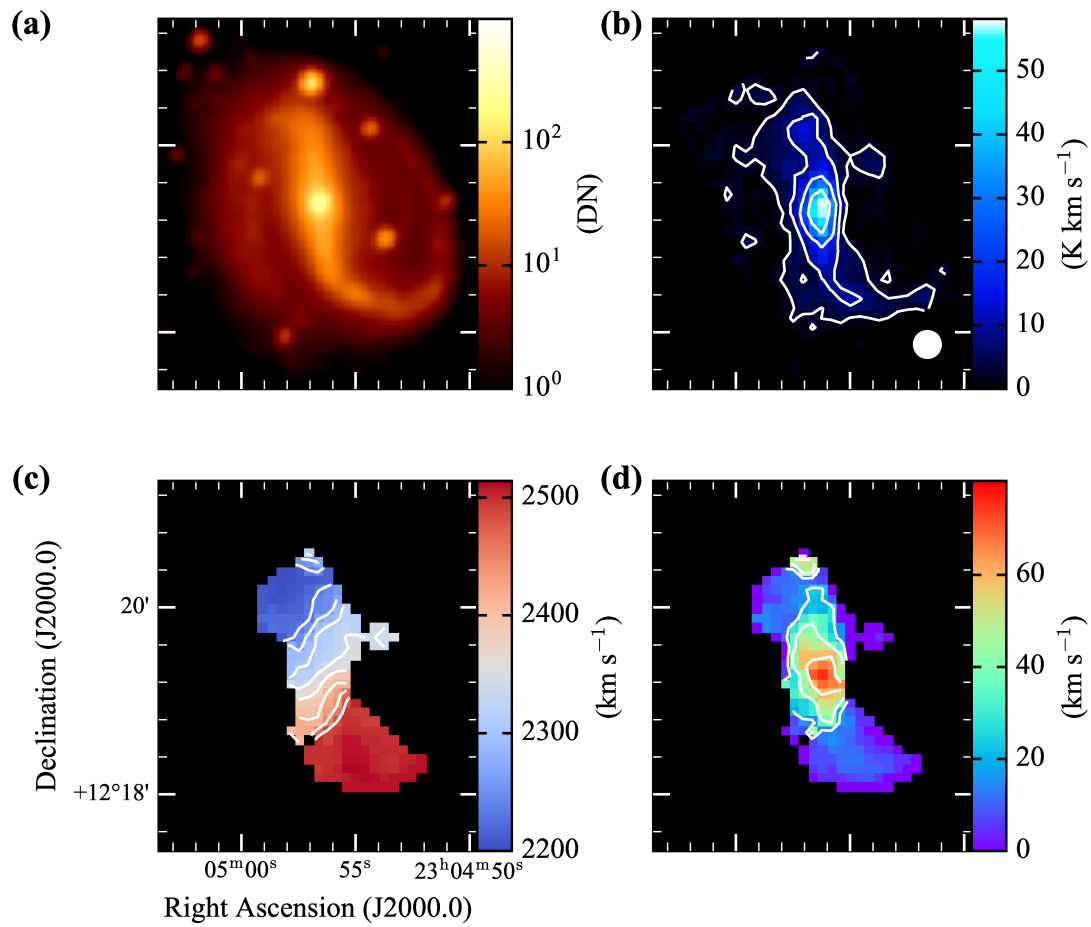
Supplementary fig. 115. Same as figure 12, but for NGC 7331. The contours are plotted at 15%, 40%, 65%, and 90% of the maximum intensity of $53.43 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 60 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 20%, 55%, and 90% of the maximum intensity of 6.12 K km s^{-1} in (e) (*magenta*).

NGC 7448



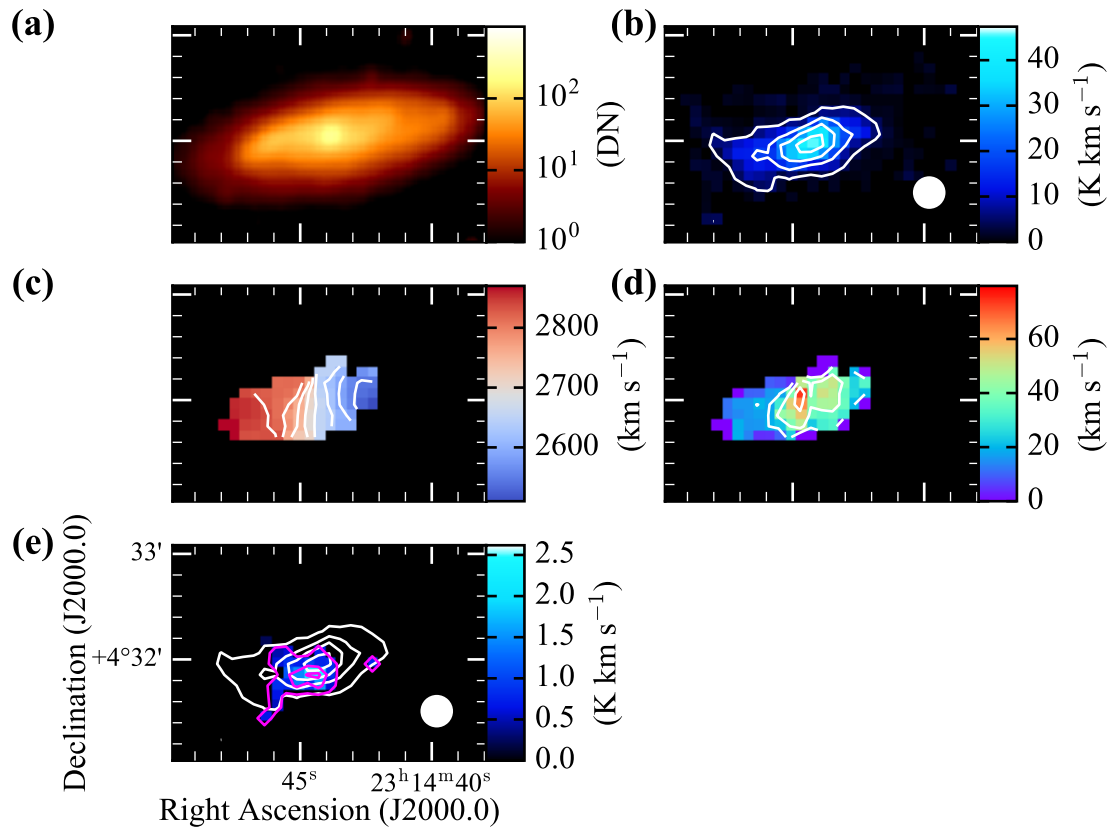
Supplementary fig. 116. Same as figure 12, but for NGC 7448. The contours are plotted at 25 %, 45 %, 65 %, and 85 % of the maximum intensity of $20.01 \text{ K km s}^{-1}$ in (b) and in steps of 20 km s^{-1} in (c) and (d).

NGC 7479



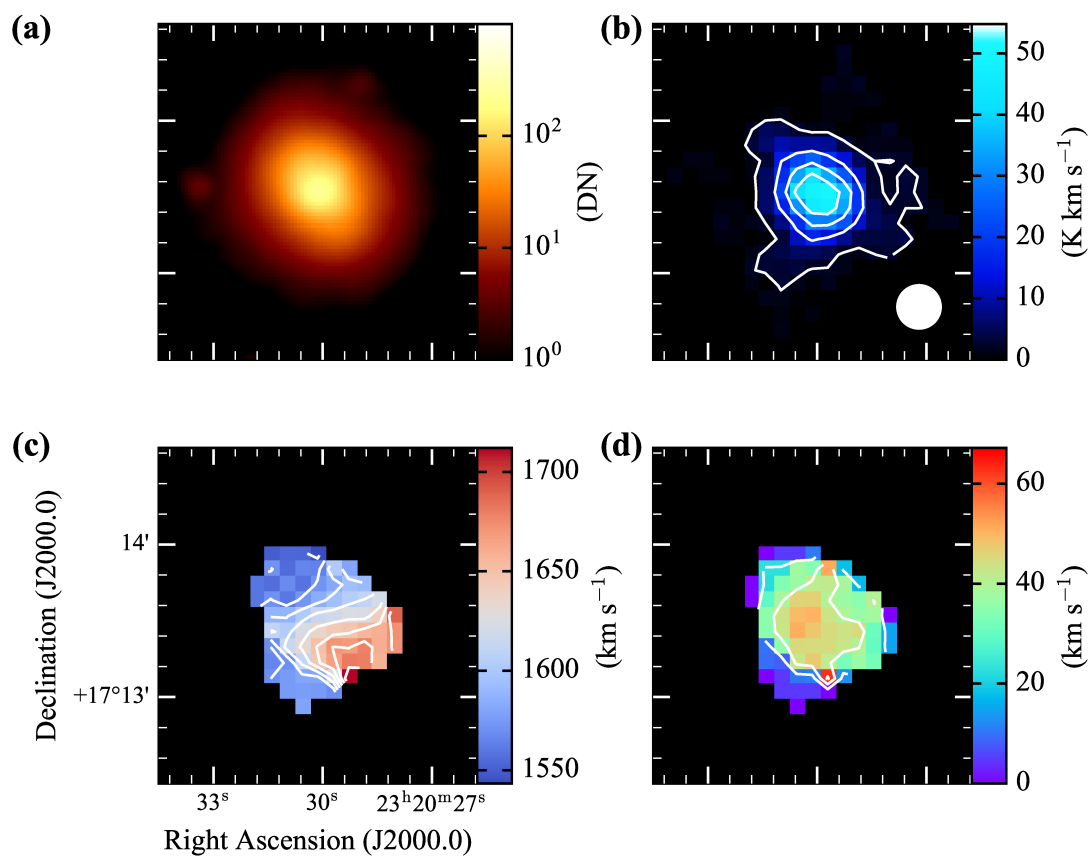
Supplementary fig. 117. Same as figure 12, but for NGC 7479. The contours are plotted at 5%, 15%, 35%, and 65% of the maximum intensity of $57.72 \text{ K km s}^{-1}$ in (b), in steps of 35 km s^{-1} in (c), and in steps of 20 km s^{-1} in (d).

NGC 7541



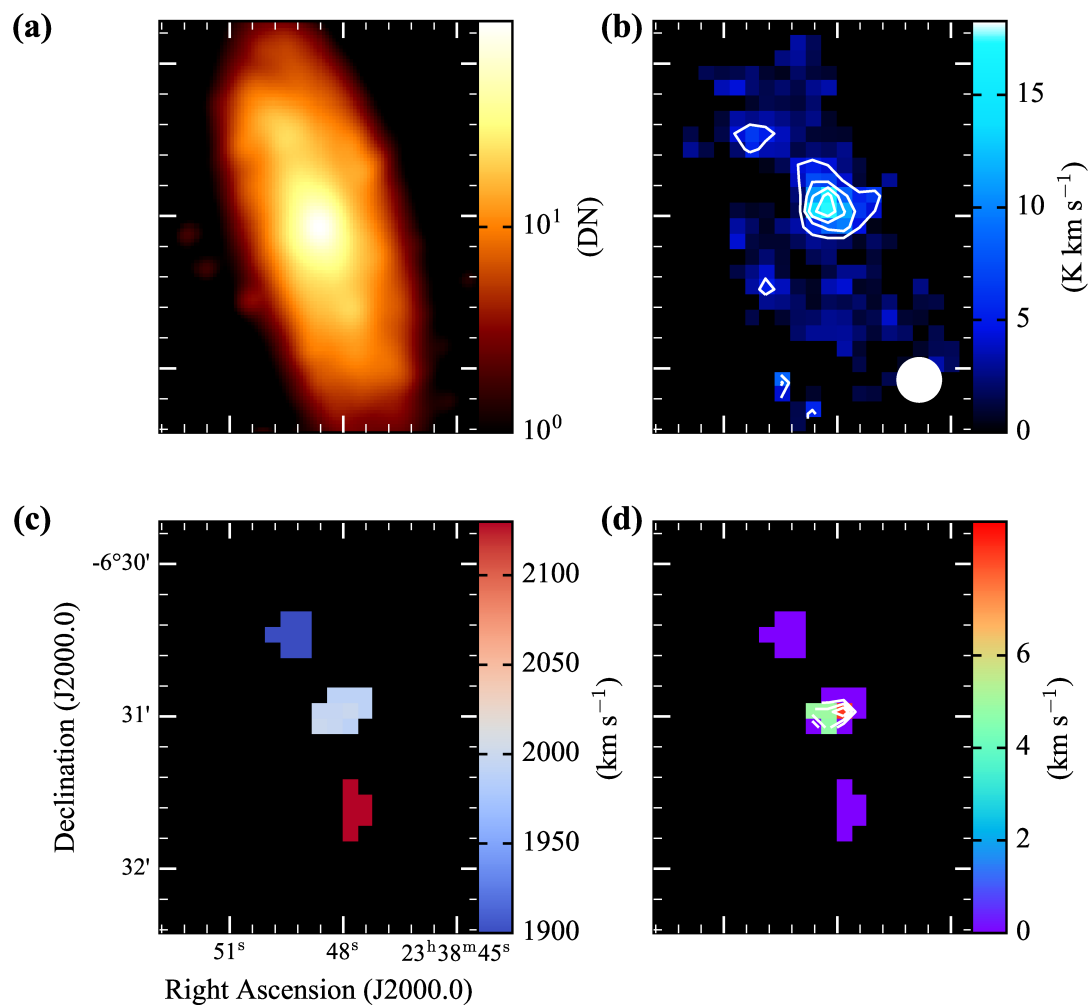
Supplementary fig. 118. Same as figure 12, but for NGC 7541. The contours are plotted at 10%, 35%, 60%, and 85% of the maximum intensity of 45.56 K km s⁻¹ in (b) and (e) (*white*), in steps of 40 km s⁻¹ in (c), in steps of 20 km s⁻¹ in (d), and at 10%, 50%, and 90% of the maximum intensity of 2.46 K km s⁻¹ in (e) (*magenta*).

NGC 7625

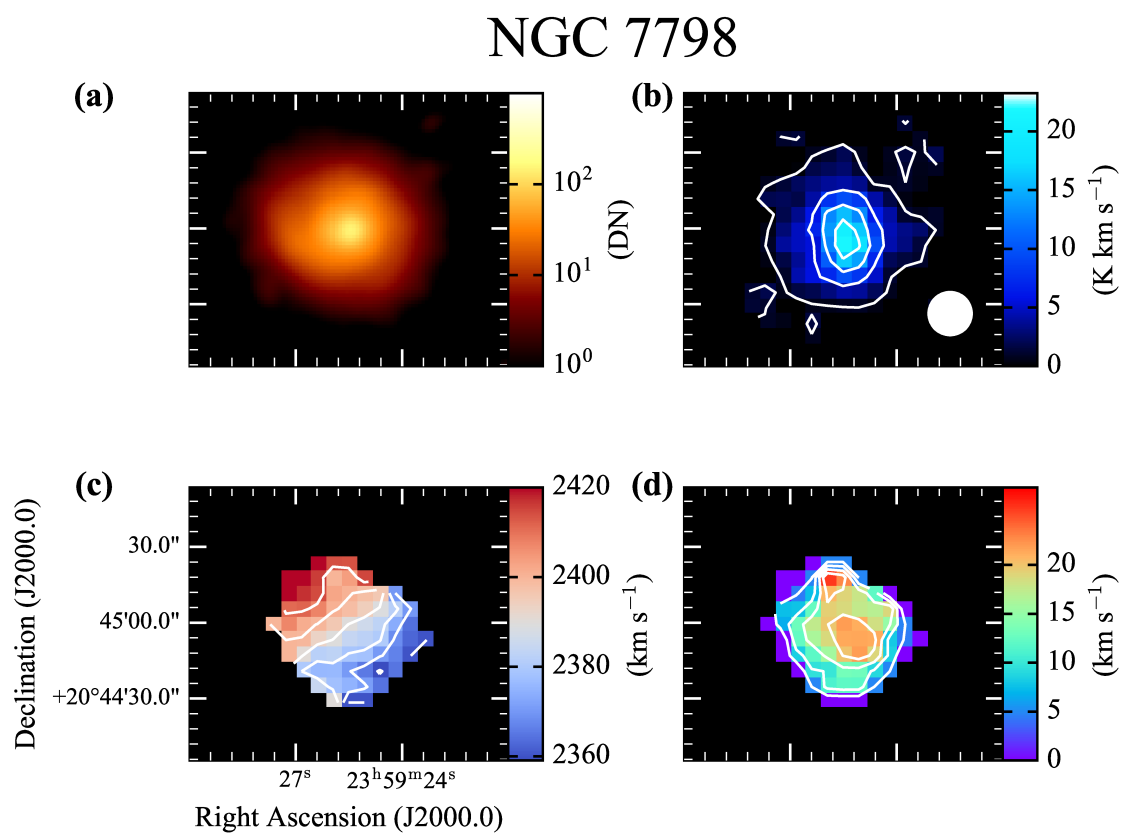


Supplementary fig. 119. Same as figure 12, but for NGC 7625. The contours are plotted at 5%, 30%, 55%, and 80% of the maximum intensity of $50.54 \text{ K km s}^{-1}$ in (b) and in steps of 20 km s^{-1} in (c) and (d).

NGC 7721

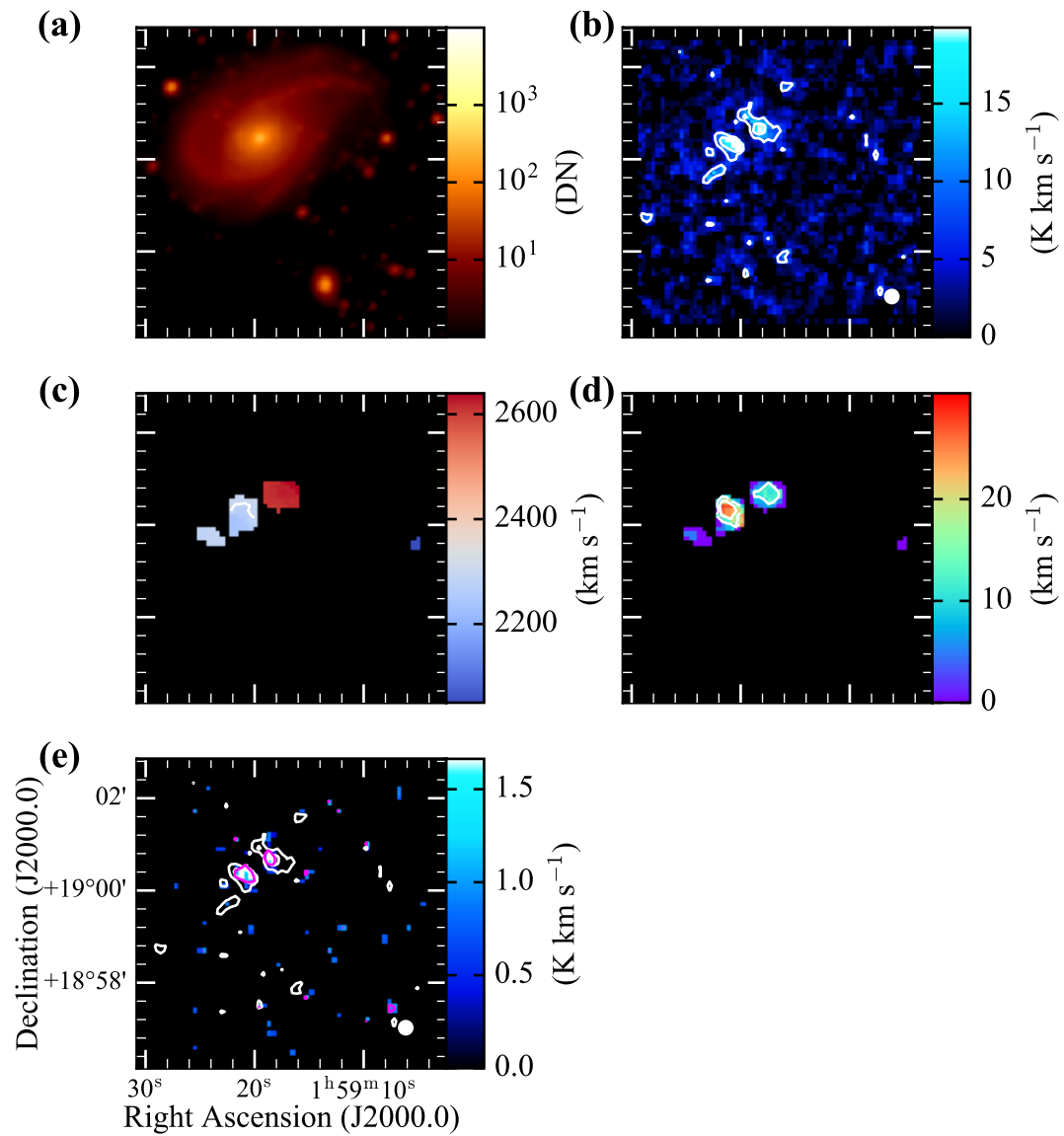


Supplementary fig. 120. Same as figure 12, but for NGC 7721. The contours are plotted at 25%, 45%, 65%, and 85% of the maximum intensity of $17.42 \text{ K km s}^{-1}$ in (b), in steps of 25 km s^{-1} in (c), and in steps of 2 km s^{-1} in (d).

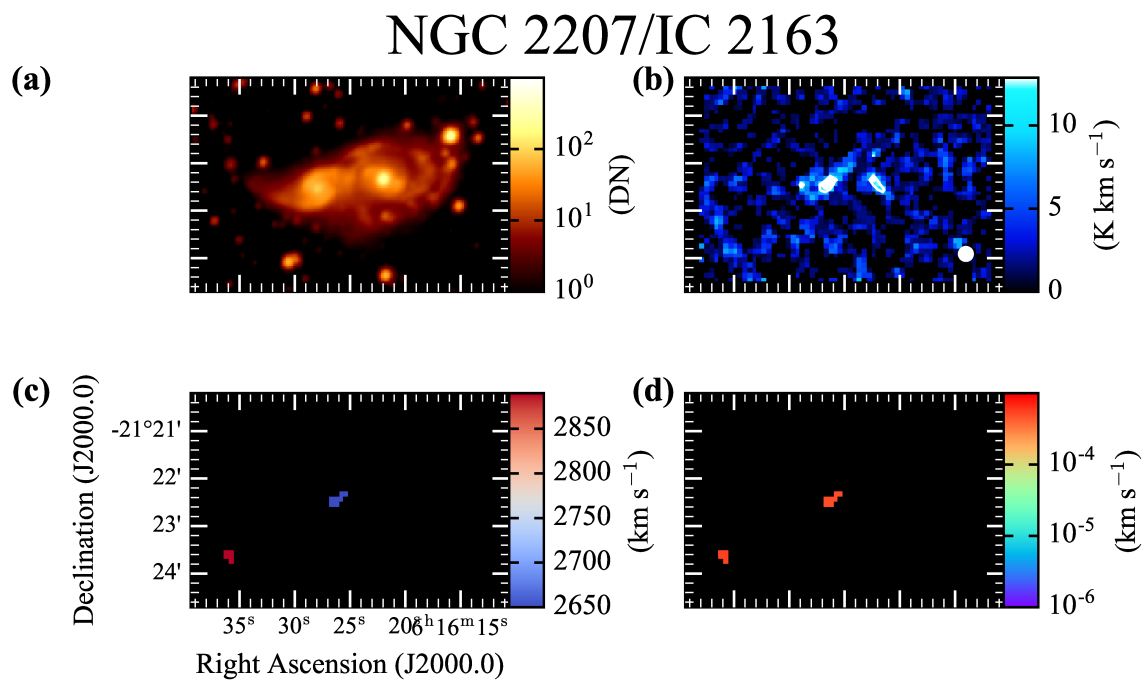


Supplementary fig. 121. Same as figure 12, but for NGC 7798. The contours are plotted at 5%, 30%, 55%, and 80% of the maximum intensity of $21.67 \text{ K km s}^{-1}$ in (b), in steps of 10 km s^{-1} in (c), and in steps of 5 km s^{-1} in (d).

NGC 772/NGC 770

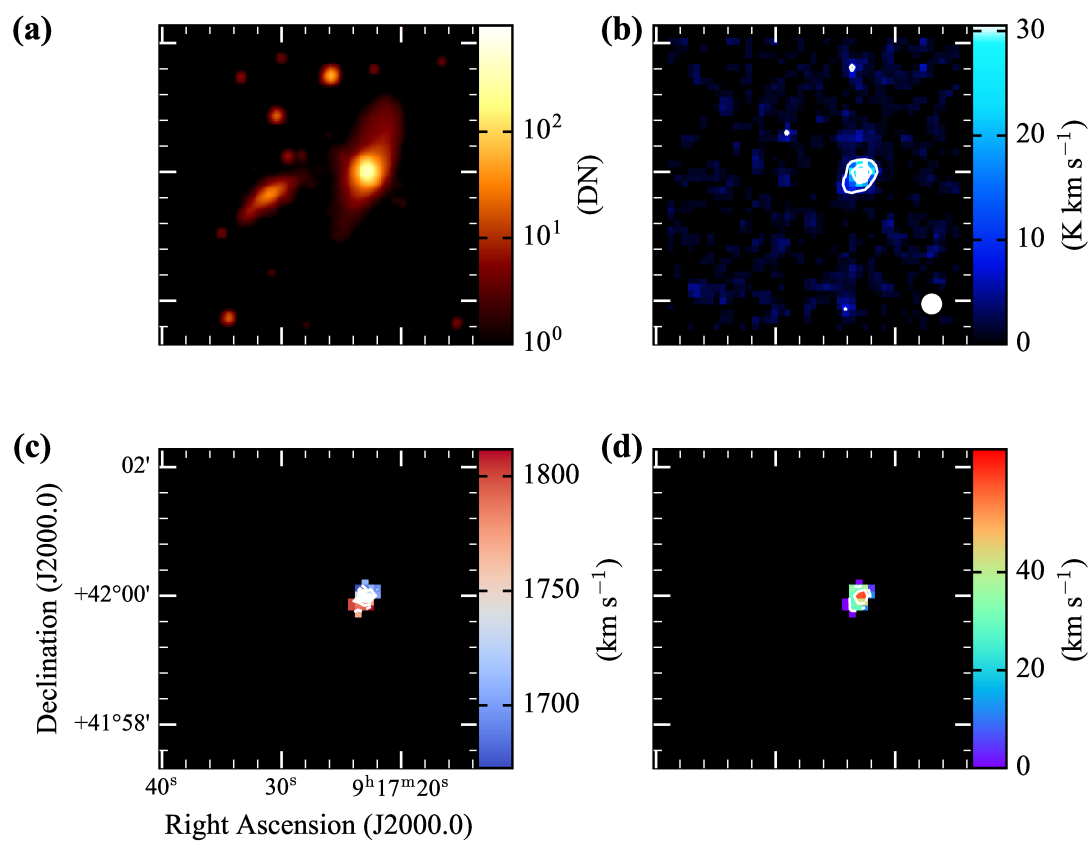


Supplementary fig. 122. Same as figure 12, but for NGC 772 / NGC 770 pair. The upper galaxy is NGC 772 and the lower and smaller one is NGC 770. The contours are plotted at 30 % and 60 % of the maximum intensity of $25.23 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 60 km s^{-1} in (c), in steps of 10 km s^{-1} in (d), and at 35 % of the maximum intensity of 2.78 K km s^{-1} in (e) (*magenta*).



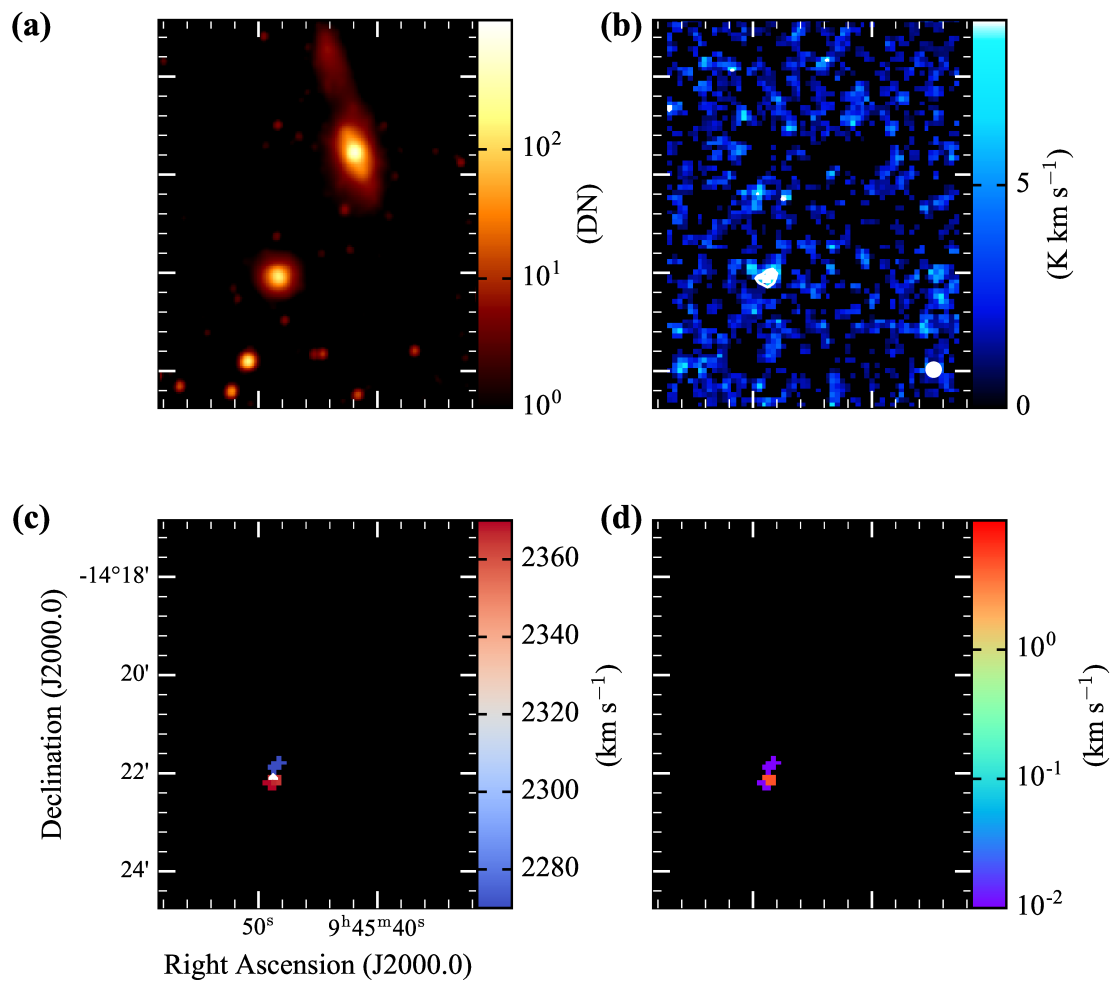
Supplementary fig. 123. Same as figure 12, but for NGC 2207 / IC 2163 pair. The right galaxy is NGC 2207 and the left one is IC 2163. The contours are plotted at 50 %, 65 %, 80 %, and 95 % of the maximum intensity of $19.48 \text{ K km s}^{-1}$ in (b).

Arp 283



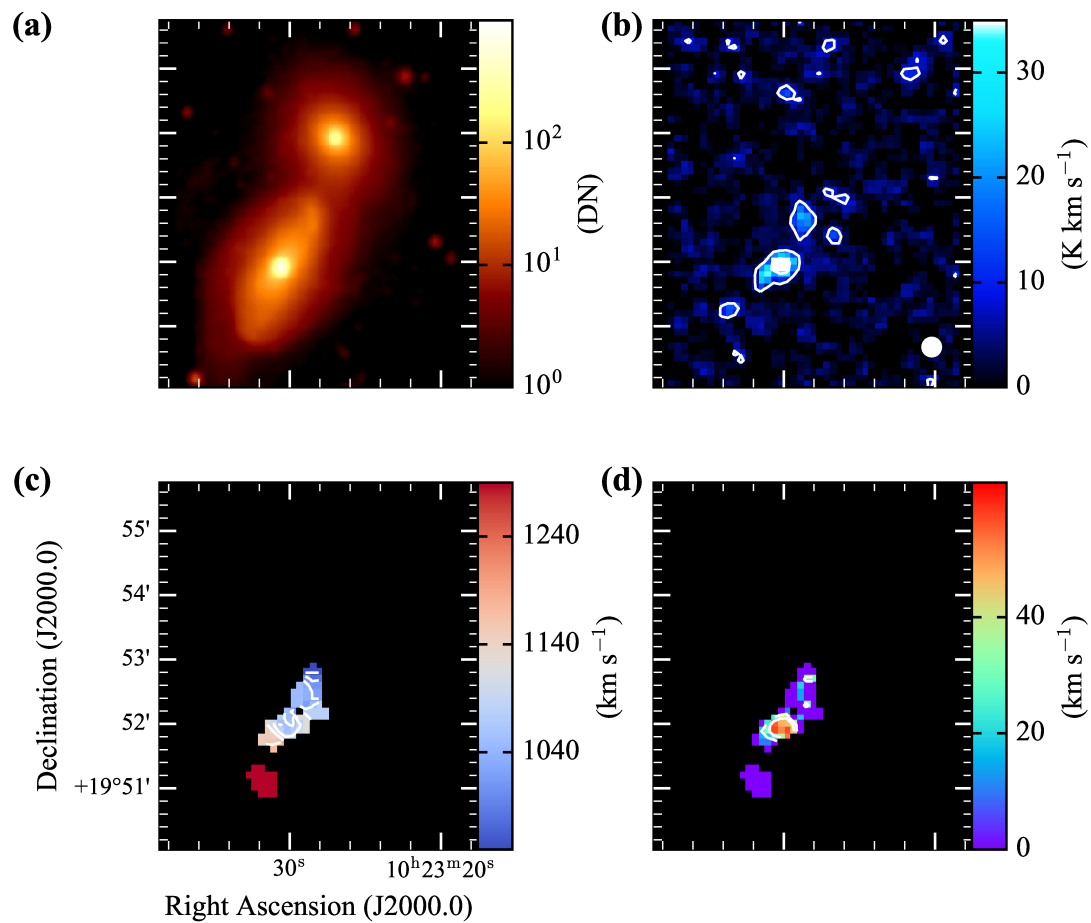
Supplementary fig. 124. Same as figure 12, but for Arp 283. The right galaxy is NGC 2798 and the left one is NGC 2799. The contours are plotted at 15% and 55% of the maximum intensity of $50.08 \text{ K km s}^{-1}$ in (b), in steps of 15 km s^{-1} in (c), and in steps of 20 km s^{-1} in (d).

Arp 245



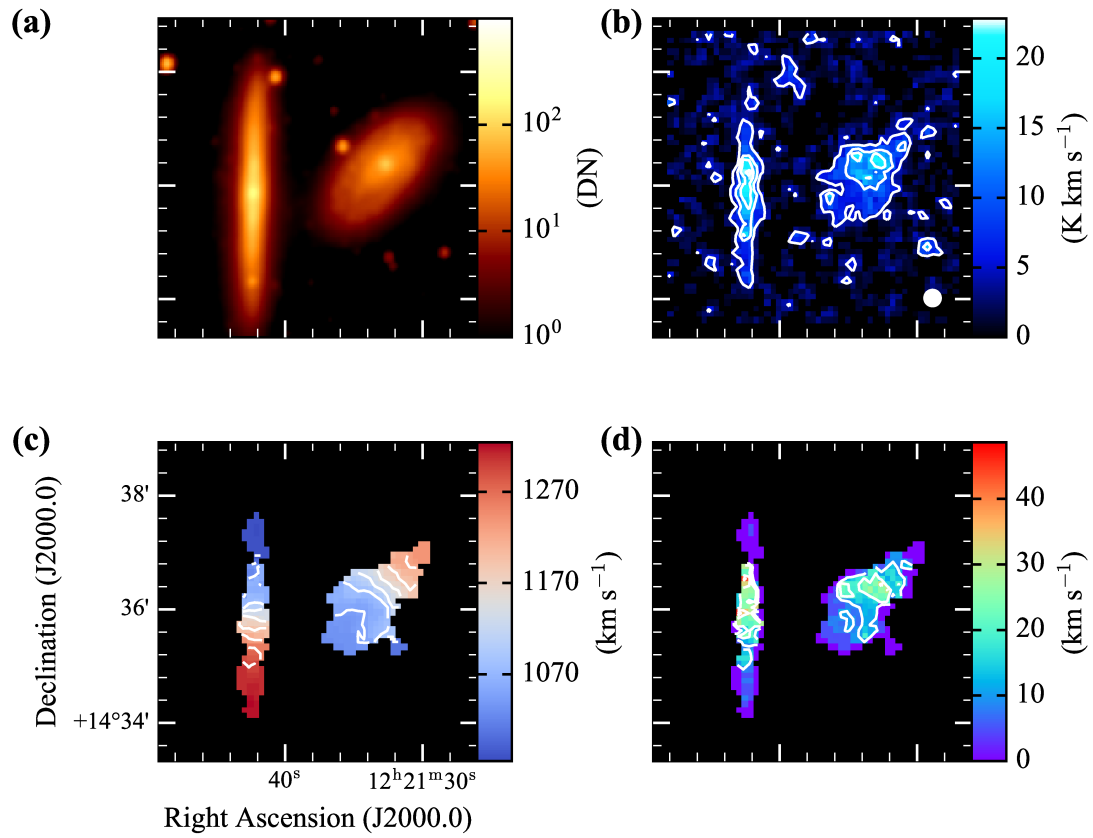
Supplementary fig. 125. Same as figure 12, but for Arp 245. The upper galaxy is NGC 2992 and the lower one is NGC 2993. The contours are plotted at 35% of the maximum intensity of $21.24 \text{ K km s}^{-1}$ in (b).

Arp 94



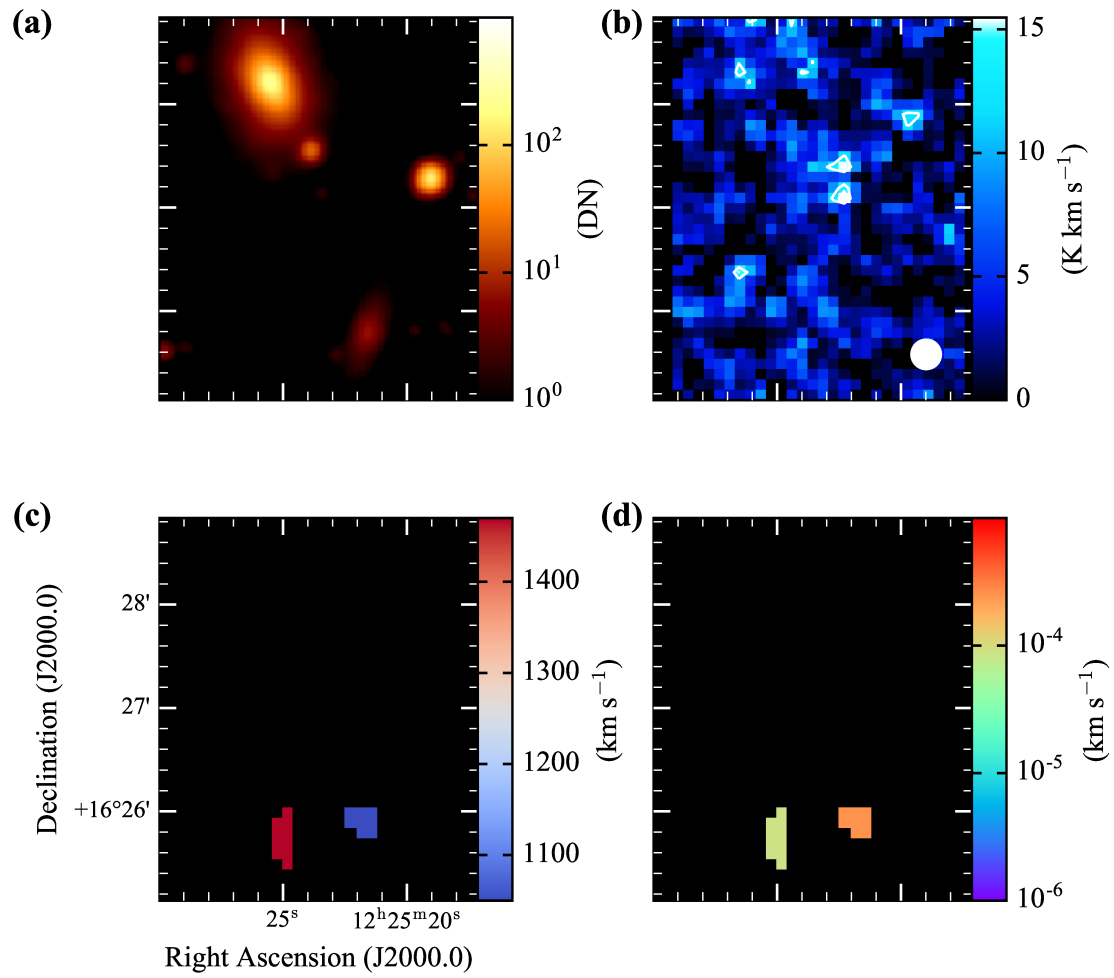
Supplementary fig. 126. Same as figure 12, but for Arp 94. The upper galaxy is NGC 3226 and the lower one is NGC 3227. The contours are plotted at 15 % and 65 % of the maximum intensity of $54.22 \text{ K km s}^{-1}$ in (b), in steps of 35 km s^{-1} in (c), and in steps of 20 km s^{-1} in (d).

NGC 4298/NGC 4302



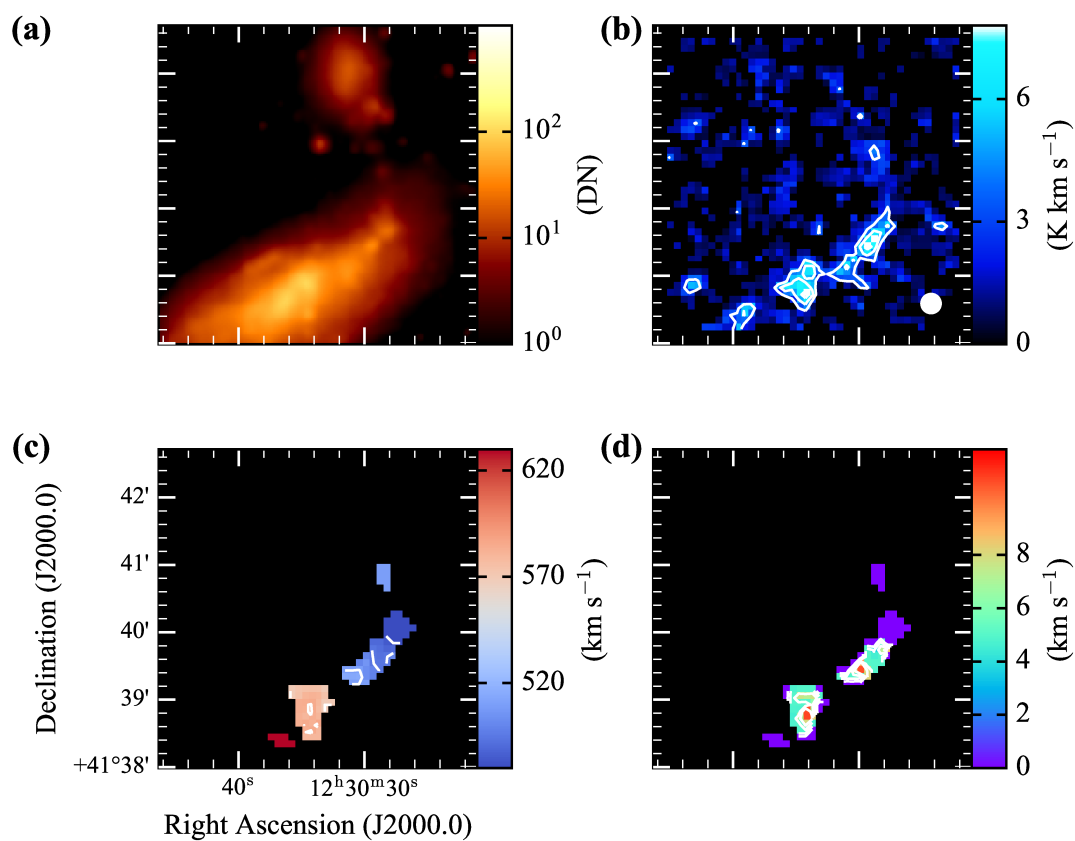
Supplementary fig. 127. Same as figure 12, but for NGC 4298 / NGC 4302 pair. The right galaxy is NGC 4298 and the left one is NGC 4302. The contours are plotted at 20 %, 45 %, 70 %, and 95 % of the maximum intensity of $24.42 \text{ K km s}^{-1}$ in (b), in steps of 35 km s^{-1} in (c), and in steps of 10 km s^{-1} in (d).

NGC 4383/UGC 7504



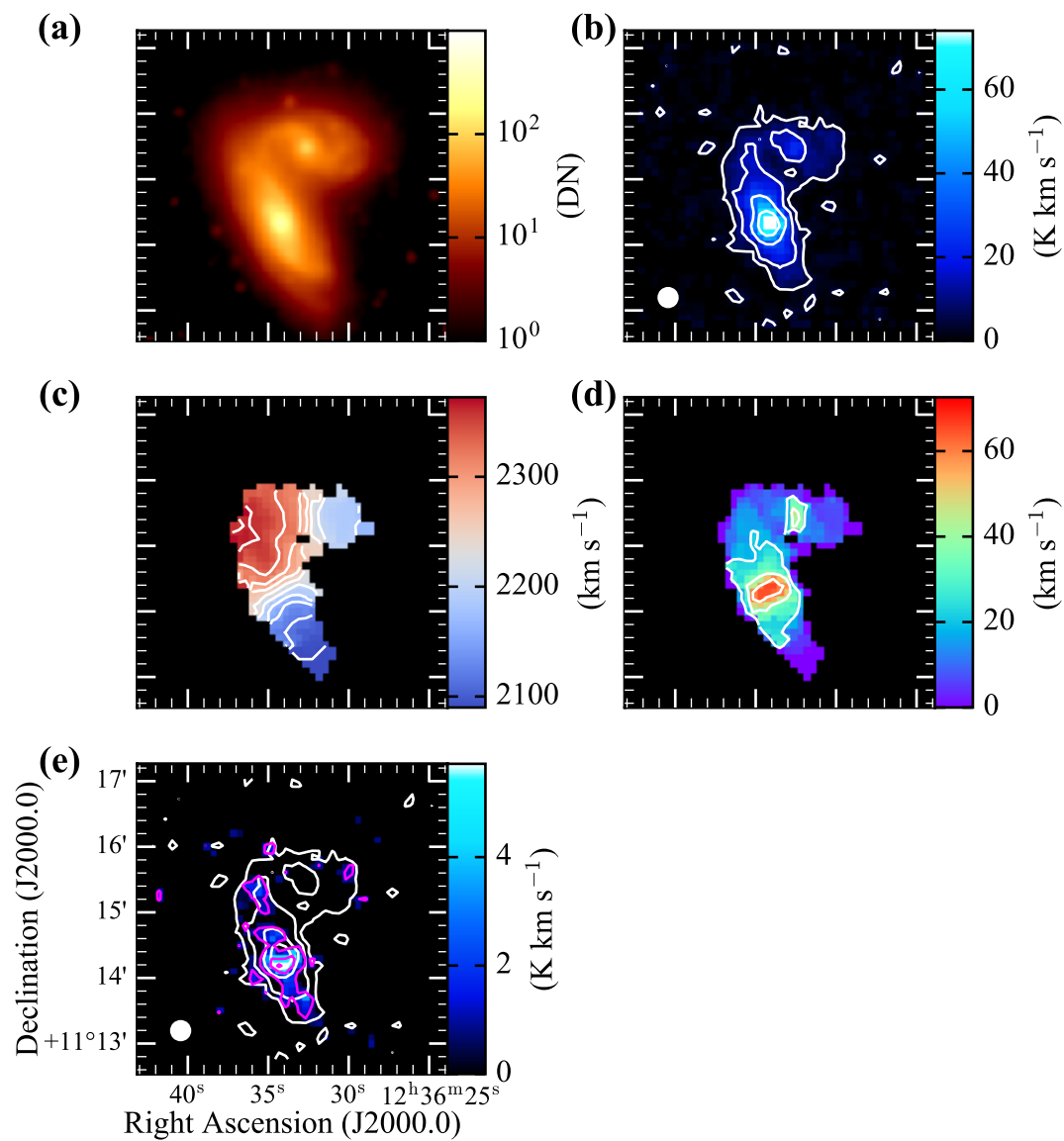
Supplementary fig. 128. Same as figure 12, but for NGC 4383 / UGC 7504 pair. The lower dim galaxy is UGC 7504 and the upper left one is NGC 4383. The contours are plotted at 65% and 85% of the maximum intensity of $17.27 \text{ K km s}^{-1}$ in (b).

Arp 269



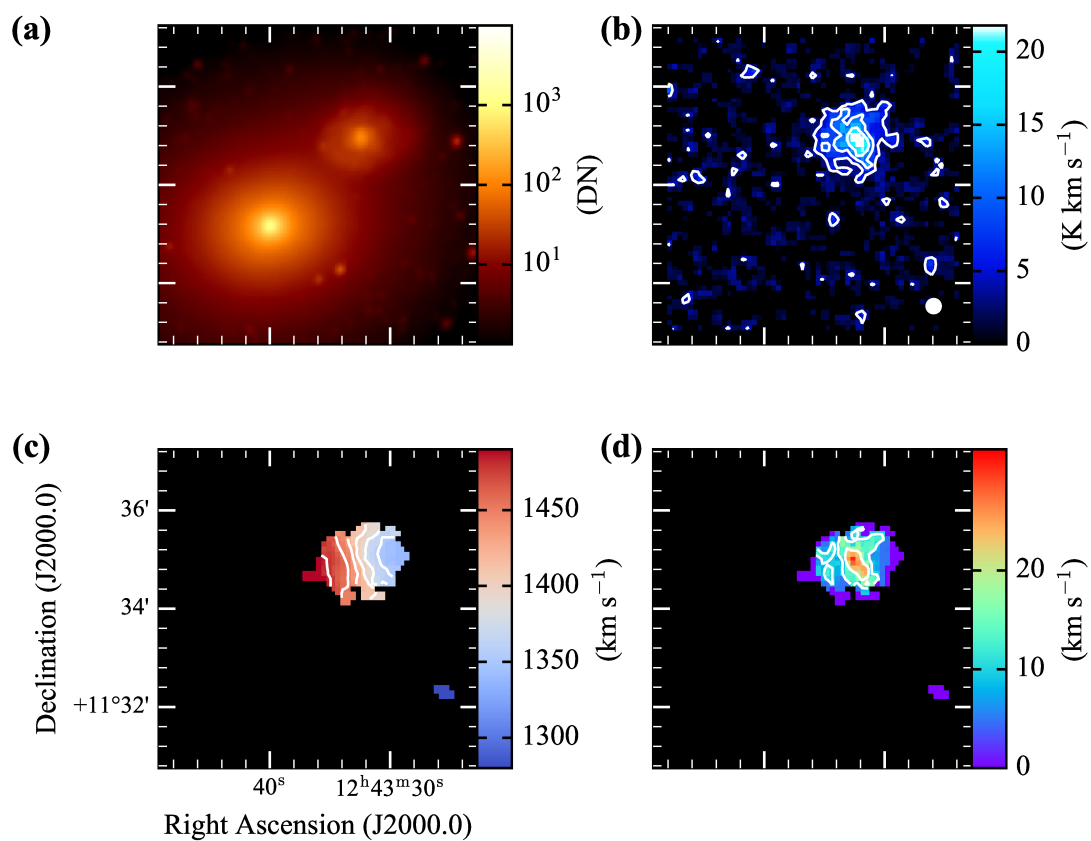
Supplementary fig. 129. Same as figure 12, but for Arp 269. The upper galaxy is NGC 4485 and the lower one is NGC 4490. The contours are plotted at 35 %, 60 %, and 85 % of the maximum intensity of 9.29 K km s^{-1} in (b), in steps of 15 km s^{-1} in (c), and in steps of 2 km s^{-1} in (d).

VV 219



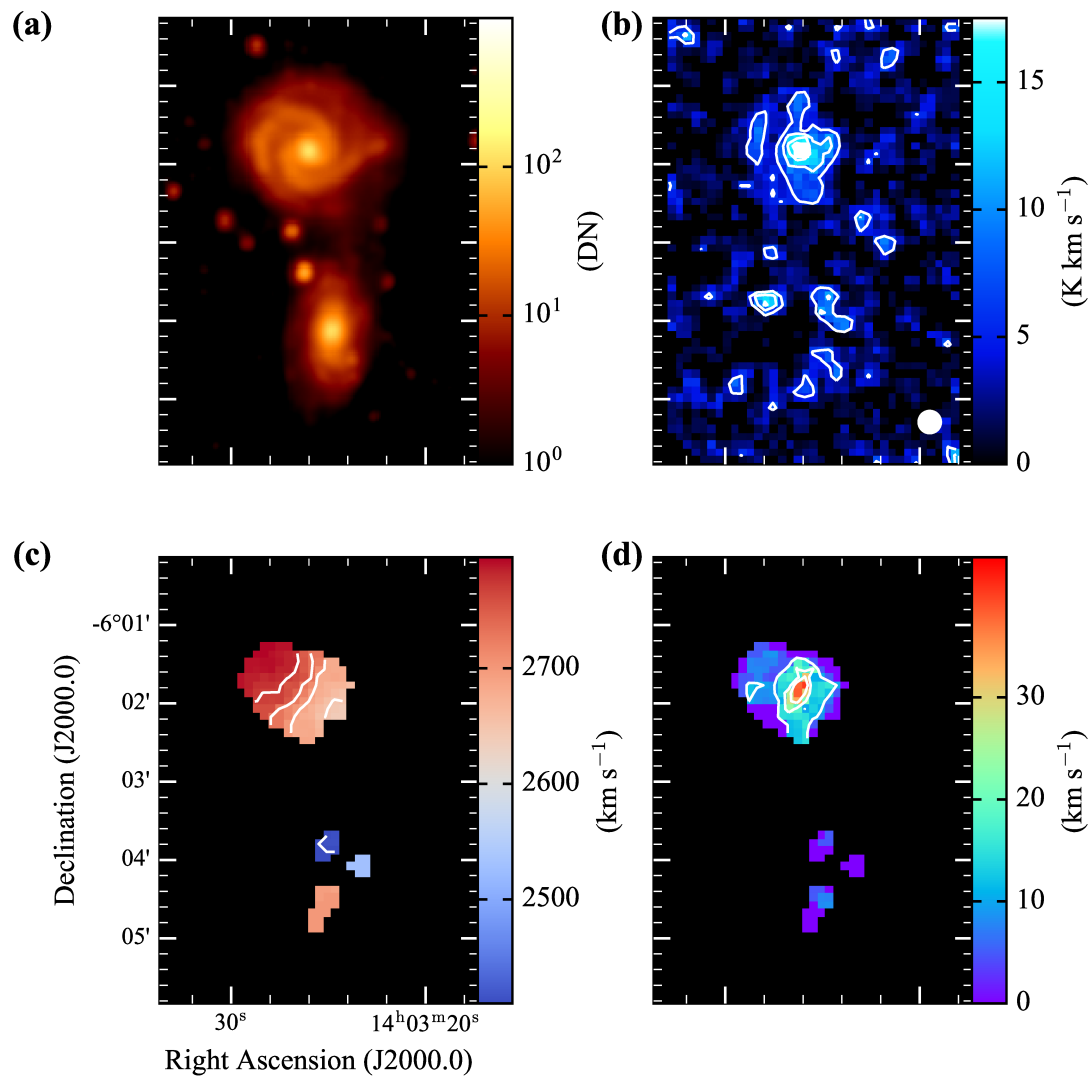
Supplementary fig. 130. Same as figure 12, but for VV 219. The upper galaxy is NGC 4567 and the lower one is NGC 4568. The contours are plotted at 5%, 15%, 40%, and 70% of the maximum intensity of $84.04 \text{ K km s}^{-1}$ in (b) and (e) (*white*), in steps of 30 km s^{-1} in (c), in steps of 20 km s^{-1} in (d), and at 10%, 50%, and 90% of the maximum intensity of 9.63 K km s^{-1} in (e) (*magenta*).

Arp 116

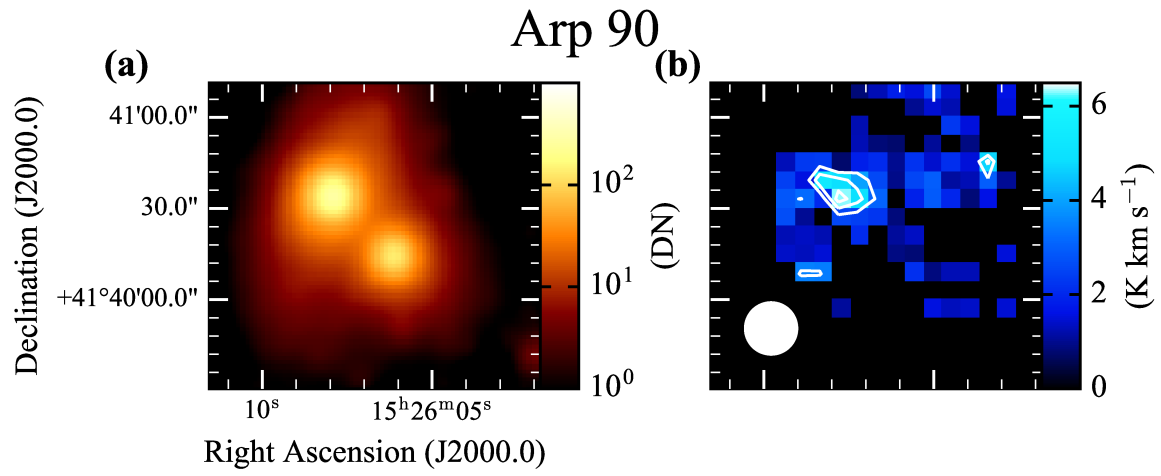


Supplementary fig. 131. Same as figure 12, but for Arp 116. The right galaxy is NGC 4647 and the left one is NGC 4649. The contours are plotted at 15%, 35%, and 60% of the maximum intensity of $27.40 \text{ K km s}^{-1}$ in (b), in steps of 25 km s^{-1} in (c), and in steps of 10 km s^{-1} in (d).

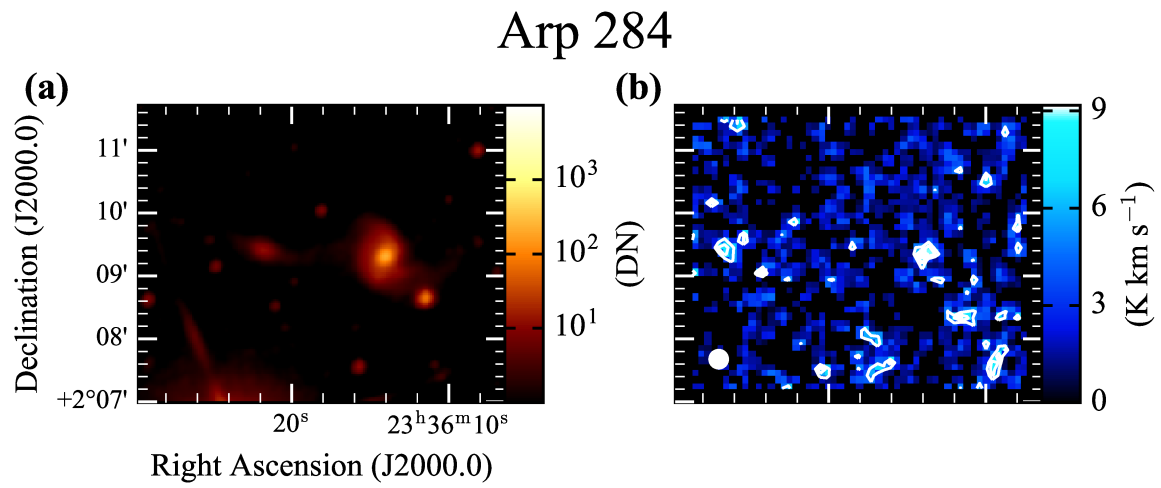
Arp 271



Supplementary fig. 132. Same as figure 12, but for Arp271. The lower galaxy is NGC 5426 and the upper one is NGC 5427. The contours are plotted at 25 %, 45 %, 65 % and 85 % of the maximum intensity of $22.68 \text{ K km s}^{-1}$ in (b), in steps of 40 km s^{-1} in (c), and in steps of 10 km s^{-1} in (d).



Supplementary fig. 133. Same as figure 12, but for Arp 90. The right galaxy is NGC 5929 and the left one is NGC 5930. The contours are plotted at 50%, 70% and 90% of the maximum intensity of 6.34 K km s^{-1} in (b).



Supplementary fig. 134. Same as figure 12, but for Arp 284. The right galaxy is NGC 7714 and the left dim one is NGC 7715. The contours are plotted at 40%, 60% and 80% of the maximum intensity of $11.67 \text{ K km s}^{-1}$ in (b).