Hercules Galaxy Cluster

Steve Gottlieb

The Hercules Galaxy Cluster (Abell 2151) is one of the most distant galaxy clusters that can be explored in depth with a 12-inch telescope (a few of the brightest members may be visible in an 8-inch), though you'll need dark skies, a detailed chart, and plenty of patience. Objects marked **bold** are discussed in the July 2016 issue of *Sky & Telescope*.

Object	Type	PA	Mag(v)	Major/Minor	RA	Dec.
NGC 6034	E/S0	64°	14.7	1.1′ × 0.8′	16^h 03.5^m	+17° 11.9′
PGC 56890	Sba	49°	14.6	0.8′ × 0.4′	16^h 03.8^m	+17° 14.4′
PGC 56915	S0	40°	14.7	0.6′ × 0.4′	16^h 04.1^m	+17° 16.9′
NGC 6040A	SAB(s)c	47°	14.2	1.3′ × 0.5′	16^h 04.5^m	+17° 45.0′
NGC 6040B	S0/a		14.5	0.7′ × 0.7′	16^h 04.4^m	+17° 44.5′
IC 1170	S0	84°	~16	0.4′ × 0.2′	16^h 04.5^m	+17° 43.3′
NGC 6041A	S0	46°	13.8	1.3′ × 1.1′	16^h 04.6^m	+17° 43.3′
NGC 6041B	SB0		15.6	0.4′ × 0.3′	16^h 04.6^m	+17° 43.0′
NGC 6042	E/S0	46°	14.2	0.9′ × 0.8′	16^h 04.7^m	+17° 42.1′
NGC 6044	S0		14.3	0.6′ × 0.6′	16^h 05.0^m	+17° 52.2′
NGC 6043	E/S0	35°	14.3	0.65′ × 0.5′	16^h 05.0^m	+17° 46.5′
NGC 6045	SBc	80°	13.9	1.3′ × 0.3′	16^h 05.1^m	+17° 45.5′
NGC 6047	E+	116°	13.5	1.0′ × 0.8′	16^h 05.2^m	+17° 43.8′
IC 1173	Sc	55°	14.7	1.0′ × 0.5′	16^h 05.2^m	+17° 25.4′
NGC 6050	Sc	132°	14.7	0.9′ × 0.6′	16^h 05.4^m	+17° 45.4′
NGC 6050B	SBc	0°	15.4	0.6′ × 0.4′	16^h 05.4^m	+17° 45.2′
PGC 57060	SBb	0°	15.1	0.8′ × 0.3′	16^h 05.4^m	+17° 54.6′
NGC 6056	SB0/a	56°	13.9	0.9′ × 0.5′	16^h 05.5^m	+17° 57.8′

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PGC 57073	SBb	4°	15.2	0.65′ × 0.4′	16^h 05.5^m	+17° 46.1′
NGC 6055	S0/a	40°	13.8	1.0′ × 0.6′	16^h 05.6^m	+18° 09.6′
IC 1178	S0 pec		14.1	1.3′ × 0.8′	16^h 05.6^m	+17° 36.1′
IC 1181	S0/a pec	58°	14.9	1.0′ × 0.7′	16^h 05.6^m	+17° 35.6′
IC 1182	S0 pec	80°	14.2	0.7′ × 0.5′	16^h 05.6^m	+17° 48.1′
NGC 6054	E/S0	70°	14.5	0.8′ × 0.4′	16^h 05.6^m	+17° 46.1′
NGC 6057	E0		14.7	0.6′ × 0.6′	16^h 05.7^m	+18° 09.9′
PGC 57088	SBa	165°	14.8	0.6′ × 0.3′	16^h 05.7^m	+18° 03.3′
IC 1186	SBb	5°	14.5	0.8′ × 0.5′	16^h 05.7^m	+17° 21.7′
IC 1185	Sab	8°	13.9	0.8′ × 0.5′	16^h 05.8^m	+17° 43.0′
PGC 57097	Sb	126°	15.2	0.5′ × 0.4′	16^h 05.8^m	+18° 01.0′
PGC 57111	Sb	120°	14.7	1.3′ × 0.4′	16^h 05.9^m	+18° 13.2′
PGC 57118	Sbc	80°	14.8	1.0′ × 0.4′	16^h 06.0^m	+18° 11.8′
IC 1189	SB0/a	179°	14.5	0.7′ × 0.4′	16^h 06.3^m	+18° 11.0′
NGC 6061	E/S0	90°	13.7	1.0′ × 0.8′	16^h 06.3^m	+18° 15.0′
IC 1193	S0/a	2°	14.7	0.7′ × 0.5′	16^h 06.5^m	+17° 42.8′
IC 1192	Sb	114°	15.3	0.8′ × 0.3′	16^h 06.6^m	+17° 46.5′
PGC 57160	Sab	141°	15.3	0.6′ × 0.3′	16^h 06.6^m	+17° 53.6′
IC 1194	S0/a	20°	14.3	0.6′ × 0.45′	16^h 06.7^m	+17° 45.7′
IC 1194A	S0/a		13.6	0.4′ × 0.35′	16^h 06.7^m	+17° 47.0′
IC 1195	SBbc	15°	14.8	0.6′ × 0.4′	16^h 06.7^m	+17° 11.5′
PGC 57198	S0	15°	15.3	0.4′ × 0.3′	16^h 07.1^m	+17° 51.0′

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Object	Type	PA	Mag(v)	Major/Minor	RA	Dec.
PGC 57214	Sb	122°	15.2	0.8′ × 0.4′	16^h 07.4^m	+17° 39.7′

Major and minor axes are from recent catalogs. Visually, an object's size is often smaller than the cataloged value and varies according to the aperture and magnification of the viewing instrument. Right ascension and declination are for equinox 2000.0.

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