

Object	Object type	RA	Dec	Constellation	Magnitude/s	Criteria for successful observation - successfully observe any 10 objects to qualify for the Level 3 certificate and pin.
Arp 32, VV89 A and B - the Propeller Galaxy	Interacting galaxies	17h 13m 07s	+59 degrees 19m 23s	Draco	14.4 and 16.2	See both galaxies.
Andromeda's Parachute, J014709+463037	Quadruply gravitationally lensed quasar	01h 47m 09s	+46 degrees 30m 37s	Andromeda	14.4 all components combined	See the brightest three components blurred together in a shallow arc, and if the seeing is steady enough, see the two brightest images.
KTG-71	Galaxy trio	20h 43m 54s	+12 degrees 30m 42s	Delphinus	12.3, 13.8 and 13.9	See all three galaxies and the spiral shape of NGC 6956.
IC 1365	Compact galaxy group	21h 13m 55s	+02 degrees 33m 53s	Equuleus	14.6	See the three brightest galaxies in this group.
IC 1015	Triple galaxy merger	14h 28m 19s	+15 degrees 25m 05s	Bootes	15.2	See the elongated shape of the three merging galaxies.
Arp 118 - NGC 1143 and NGC 1144	Merging galaxies	02h 55m 12s	-00 degrees 10m 59s	Cetus	14.1 and 13.8	See the two NGC galaxies and the bridge of material connecting them, along with MAC 0255-0009.
IC 5076, Barnard 351 and NGC 6991	Reflection and dark nebula, open cluster	20h 55m 38s	+47 degrees 24m 17s	Cygnus	n/a	See the bright star, reflection nebula, dark nebula and the open cluster.
Umi dwarf galaxy and IC 1110	Dwarf galaxy and edge on galaxy	15h 12m 05s	+67 degrees 21m 45s	Ursa Minor	11.9 and 15.0	See both UGC 9749 and IC 1110 – feel free to use different scopes for each object.
UGC 12281	Super-thin edge on galaxy	22h 59m 13s	+13 degrees 26m 23s	Pegasus	14.8	See the entire 3.4' apparent length of the magnitude 14.8 galaxy.
NGC 7026 - the Cheeseburger Nebula	Planetary nebula	21h 06m 18s	+47 degrees 51m 08s	Cygnus	11	See the dark lane that visually separates the two lobes.
Arp 81 - NGC 6621	Merging galaxies	18h 12m 55s	+68 degrees 21m 48s	Draco	13.6	See both of the interacting galaxies and the highly curved tidal tail.
NGC 7732, Zwicky's Pierced Galaxy & NGC 7731	Gravitationally bound galaxy pair	23h 41m 34s	+03 degrees 43m 30s	Pisces	13.5 and 14.3	See both galaxies.
The Necklace Nebula, PN G054.2_03.4	Planetary nebula	19h 44m 00s	+17 degrees 15m 00s	Sagitta	n/a	See the planetary nebula and its necklace of stars.
WR 124 and Merrill's Star Nebula, Sh 2-80	Wolf-Rayet star and nebula	19h 11m 30s	+16 degrees 51m 38s	Sagitta	11.5	See the star and nebula.