

Astronomy targets: May 2018

Unless stated otherwise, all times are for mid-month, for Birmingham UK and are GMT+1. Rise & set times are for 20 degrees above horizon. Dark & light times are nautical twilight times (Sun 12 degrees below horizon) and astronomical darkness (Sun 18 degrees below horizon).

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Sun times

Monday date	Sunset	Naut Dark	Astro Dark	Astro Light	Naut Light	Sunrise	Moon	Moon %
07/05/18	2044	2220	2337	0231	0348	0524	0254 →	51%
14/05/18	2055	2238	0017	0150	0330	0512		1%
21/05/18	2106	2255			0313	0502	← 0230	48%
28/05/18	2116	2312			0257	0454	all night	99%

Calendar

6 May Eta Aquarid meteor shower (30 per hour)

14 May New Moon

29 May Full Moon

Planets

Venus (low at Sunset)

Mars (low at Sunrise)

Jupiter (2320-0150)

Saturn (low at Sunrise)

Camelopardalis all night

Galaxy: NGC2403 (C7)

Asterism: Kemble's Cascade & NGC1502 cluster

Lynx Sunset-0130

Globular cluster: NGC2419 (C25)

Leo Sunset-0020

Galaxies

M65, M66 & NGC3628 Leo Triplet

M95

M96

M105 & NGC3384

Multiple star: Algieba γ-Leo (gamma-Leo) two yellow

Ursa Major all night

Planetary nebula: M97 Owl Nebula

Galaxies:

M81 Bode's Galaxy & M82 Cigar Galaxy

M101 Pinwheel Galaxy

M108

M109

Multiple star: Mizar & Alcor ζ-UMa (zeta-UMa) 3 white

Canes Venatici all night

Globular cluster: M3

Galaxies:

M51 Whirlpool Galaxy

M63 Sunflower Galaxy

M94

M106

NGC4631 Whale Galaxy

Coloured star: La Superba Y-CVn carbon star

Multiple star: Cor Caroli α-CVn (alpha-CVn) yellow & orange

Coma Berenices all night, best 2240

Globular cluster: M53

Open clusters: Melotte 111

Galaxies:

M64 Black Eye Galaxy

M85

M88

M91

M98

M99

M100

NGC4565 Needle Galaxy

Virgo Sunset-0100, best 2250

Galaxies:

M49

M58

M59

M60

M61

M84, M86, NGC4435, etc. Markarian's Chain

M87

M89

M90

M104 Sombrero Galaxy

Boötes all night, best 2350

Multiple star: ξ-Boo (xi-Boo) yellow & orange

Ursa Minor all night, best 0010

Multiple star: Polaris α-UMi (alpha-UMi) yellow & white

Draco all night, best 0150

Planetary nebula: NGC6543 Cats Eye Nebula

Galaxy: M102

Ophiuchus 0120-Sunrise, best 0150

Globular clusters:

M9

M10

M12

M14

M19

M62

M107

Open cluster: IC4665

Hercules all night, best 0220

Globular clusters:

M13 Hercules Globular Cluster

M92

Serpens 0150-Sunrise, best 0240

Emmission nebula: M16 Eagle Nebula

Globular cluster: M5

Sagittarius partly visible, best 0320

Emmission nebulae:

M8 Lagoon Nebula
M17 Swan Nebula
M20 Triffid Nebula

Globular clusters:

M28
M54
M55
M69
M70
M75

Open clusters:

M18
M21
M22
M23
M24
M25
NGC6530

Lyra all night

Planetary nebula: M57 Ring Nebula

Globular cluster: M56

Multiple stars:

Double-Double ϵ -Lyr (epsilon-Lyr) four white
Other Double-Double Σ 2470 & Σ 2474 four white

Scutum 0310-Sunrise

Open clusters:

M11 Wild Duck Cluster
M26

Sagitta 0010-Sunrise

Globular cluster: M71

Vulpecula all night

Planetary nebula: M27 Dumbell Nebula

Open cluster: NGC6885 (C37)

Asterism: Coathanger

Cygnus 2340-Sunrise

Emmission nebulae:

NGC6888 Crescent Nebula
NGC6960 Veil Nebula
IC5070 Pelican Nebula
IC7000 (C20) North American Nebula

Planetary nebulae:

IC5146 (C19) Cocoon Nebula
NGC6826 Blinking Nebula
NGC7008 Fetus Nebula

Open clusters:

M29
M39
NGC6871
NGC6883
NGC6910 Rocking Horse Cluster

Galaxy: NGC6946 (C12) Fireworks Galaxy

Multiple stars:

Albireo β -Cyg (beta-Cyg) gold & blue
61-Cyg orange & red

Delphinus 0120-Sunrise

Globular clusters:

NGC6934 (C47)
NGC7006 (C42)

Cepheus all night

Reflection nebula: NGC7023 (C4) Iris Nebula

Open clusters:

NGC188 (C1)
NGC7160

Coloured star: Garnet Star μ -Cep (mu-Cep)

Multiple stars:

δ -Cep (delta-Cep) yellow & purple
 Σ 2816 yellow & two white

Lacerta 0040-Sunrise

Open cluster: NGC7243 (C16)

Cassiopeia 2320-Sunrise

Emmission nebulae:

NGC281 Pacman Nebula
NGC7635 (C11) Bubble Nebula
IC1805 Heart Nebula
IC1848 Soul Nebula

Open clusters:

M52
M103
NGC457 (C13) Owl cluster
NGC654
NGC659
NGC663 (C10)
NGC7789
NGC7790

Multiple star: η -Cas (eta-Cas) gold & red