The path of Asteroid 433 Eros around opposition on 17 Dec 2018 8h00m 7h30m 7h00m 6h30m 6h00m 5h30m 5h00m 4h30m 4h00m 3h30m 3h00m 2h30m 60° IC1848 VdB 11 NGC1502 VdB 14 **VdB 10** 55° 55° LYNX 50° NGC1444 50° Collinder 39 NGC1545 0 NGC1245 45° 45° Capella VdB 32 NGC1582 NGC1664 40° 40° **AURIGA** ONGC2281 VdB 18 VdB 24 NGC1342 **PERSEUS** NGC1857 35° 35° NGC1499 NGC1778 M38 M36 IC405 M37 30° 30° **VdB 39** NGC1514 VdB 65 OVdB 29 VdB 27 Elnath NGC2266 Mebsuta 25° 25° **TAURUS** o VdB 25 IC444 VdB 47 VdB 41 NGC2129 20° MINI 20° NGC2175 Hind's Variable Nebula ONGC1647 15° NGC1817 O NGC1807 15° NGC2169 NGC2194 VdB 37 o **ORION** 10° 10° VdB 26 SIC447 NGC1662 VdB 78 Collinder 69 NGC2251 Betelgeuse 5° Bellatrix NGC2238 NGC2186 VdB 61 VdB 49 Collinder 91 VdB 63 6h30m 6h00m 5h30m 5h00m 4h30m 4h00m © Dominic Ford 2011–2025. Date markers placed at midnight UTC. Downloaded from https://in-the-sky.org Phase Date Mag Magnitude scale: · 7.0 .6.0 • 5.0 • 4.0 • 3.0 **2.0** 0.0 2018 Nov 1 10.6 91% 2018 Nov 30 9.6 93% **Ecliptic Plane** 2018 Dec 1 9.5 93% 2019 Jan 1 8.8 92%

Galaxy Bright nebula Open cluster Globular cluster 🔷 Planetary nebula

9.1 2019 Feb 1 86% 2019 Mar 1 10.0 82%