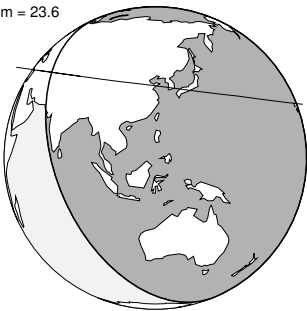
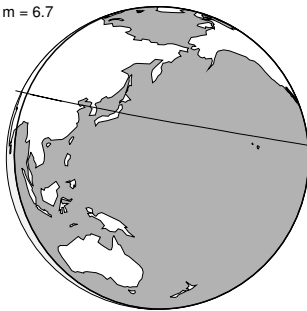
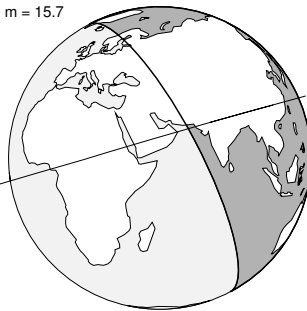
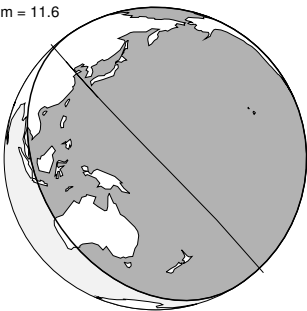
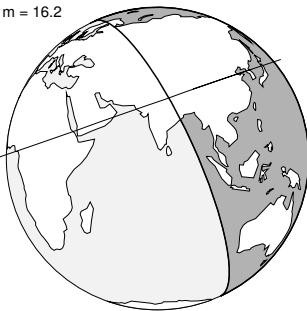
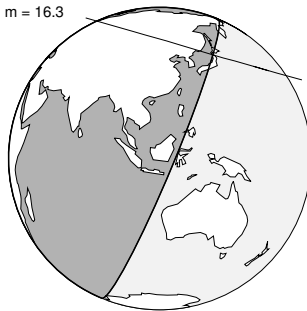
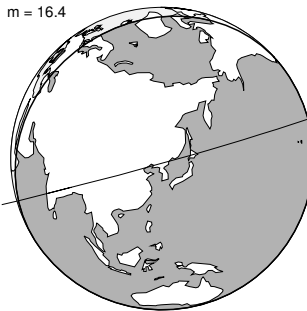
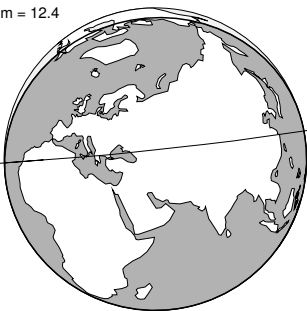
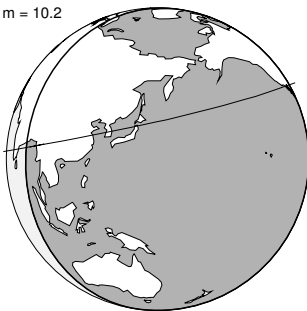
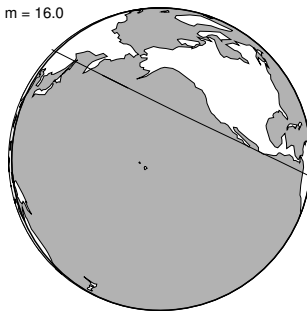
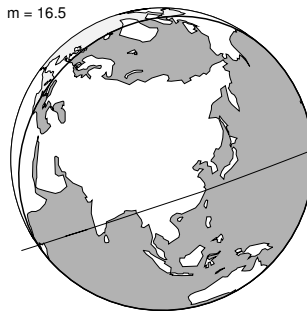
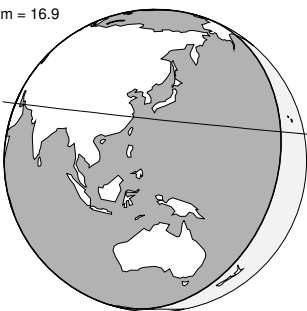
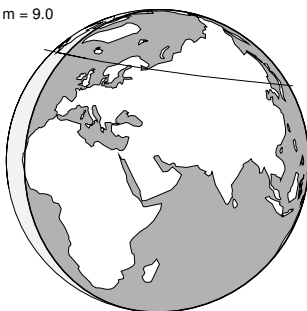
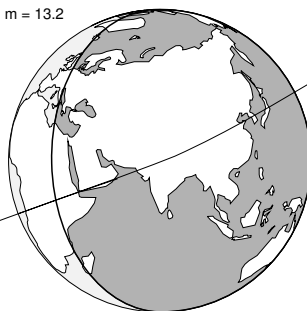
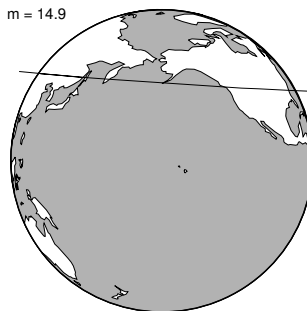


Occultations by major and minor planets – 2024

Region 7

2024 jan 4 12h50.2m B24_01013 2013XL40 UCAC4 490–005400 Diam = 125.9 m = 14.4 m = 23.6  Dur = 8.1s Dmag = 9.2 Sun: 131° Moon: 140°	2024 jan 5 12h 5.7m A24_01001 4 Vesta TYC 1310–00691–1 Diam = 523.2 m = 11.9 m = 6.7  Dur = 45.5s Dmag = 0.0 Sun: 161° Moon: 124°	2024 jan 6 13h 7.2m A24_01126 1266 Tone TYC 1175–01680–1 Diam = 76.0 m = 11.5 m = 15.7  Dur = 3.3s Dmag = 4.2 Sun: 75° Moon: 136°	2024 jan 6 20h36.1m B24_01001 19255 1994VK8 UCAC5 570–029593 Diam = 170.6 m = 15.0 m = 23.2  Dur = 6.7s Dmag = 8.3 Sun: 172° Moon: 128°
2024 jan 7 11h 3.1m A24_01028 173 Ino TYC 0088–00424–1 Diam = 159.0 m = 11.8 m = 11.6  Dur = 19.1s Dmag = 0.7 Sun: 140° Moon: 152°	2024 jan 7 11h49.1m A24_01058 465 Alekto TYC 0590–01033–1 Diam = 76.6 m = 9.1 m = 16.2  Dur = 3.5s Dmag = 7.1 Sun: 75° Moon: 127°	2024 jan 8 22h 7.9m A24_01137 1687 Glarona HIP 62602 Diam = 42.6 m = 16.3 m = 9.0  Dur = 3.8s Dmag = 7.3 Sun: 95° Moon: 62°	2024 jan 9 14h41.1m A24_01170 6090 Aulis UCAC4 666–045936 Diam = 55.0 m = 11.4 m = 16.4  Dur = 3.2s Dmag = 5.1 Sun: 155° Moon: 162°
2024 jan 9 20h20.6m A24_01105 804 Hispania HIP 33738 Diam = 140.6 m = 9.0 m = 12.4  Dur = 9.8s Dmag = 3.4 Sun: 158° Moon: 159°	2024 jan 11 11h54.2m A24_01007 37 Fides UCAC4 592–017299 Diam = 112.0 m = 12.5 m = 10.2  Dur = 21.4s Dmag = 0.1 Sun: 150° Moon: 151°	2024 jan 12 9h15.9m A24_01159 4833 Meges TYC 1880–00992–1 Diam = 63.1 m = 11.4 m = 16.0  Dur = 3.1s Dmag = 4.6 Sun: 168° Moon: 155°	2024 jan 13 15h58.1m A24_01171 6090 Aulis UCAC4 665–045541 Diam = 55.0 m = 11.9 m = 16.5  Dur = 3.3s Dmag = 4.6 Sun: 152° Moon: 130°
2024 jan 13 17h50.0m A24_01157 4543 Phoinix HIP 49381 Diam = 47.9 m = 8.7 m = 16.9  Dur = 3.9s Dmag = 8.2 Sun: 143° Moon: 174°	2024 jan 14 18h47.6m A24_01004 9 Metis PPMX 4986268 Diam = 231.2 m = 12.1 m = 9.0  Dur = 41.2s Dmag = 0.1 Sun: 151° Moon: 107°	2024 jan 16 15h48.7m A24_01040 210 Isabella UCAC5 593–012613 Diam = 90.0 m = 12.4 m = 13.2  Dur = 35.7s Dmag = 1.2 Sun: 135° Moon: 66°	2024 jan 17 11h29.3m A24_01077 588 Achilles TYC 1927–01883–1 Diam = 147.0 m = 10.4 m = 14.9  Dur = 9.4s Dmag = 4.5 Sun: 174° Moon: 103°

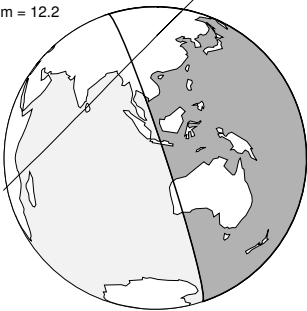
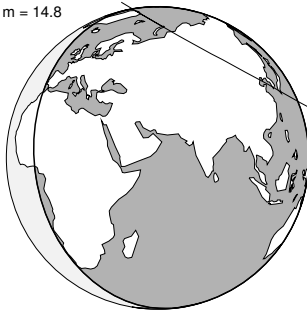
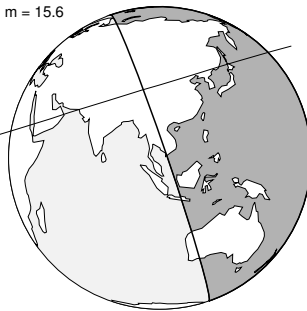
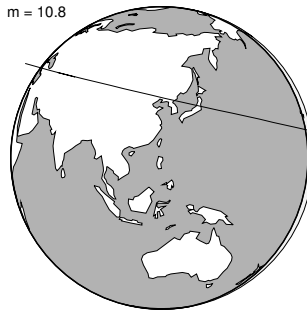
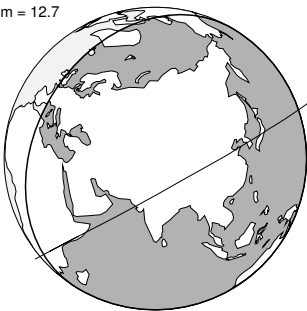
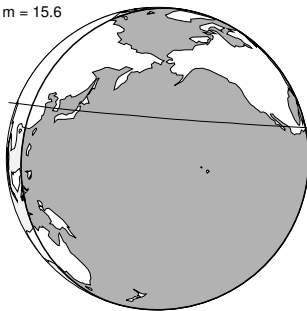
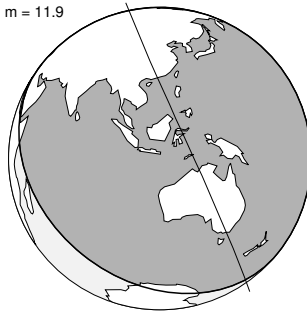
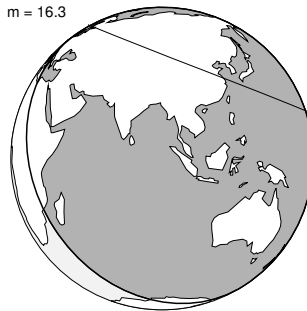
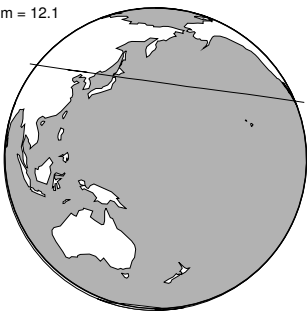
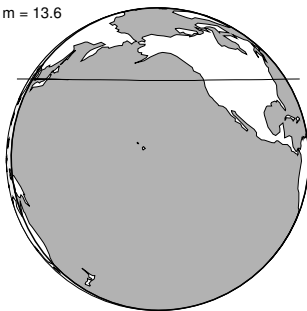
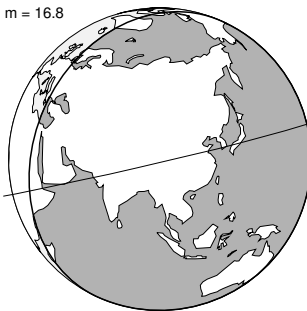
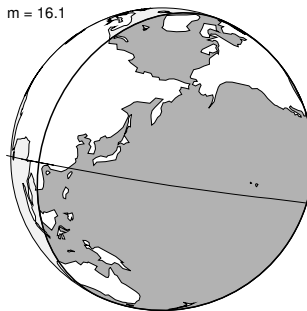
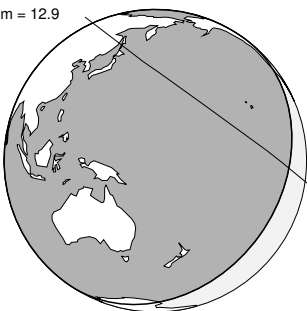
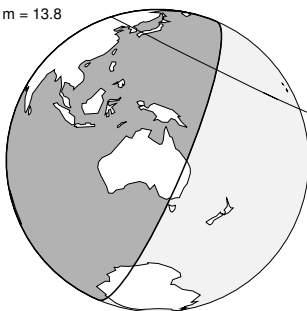
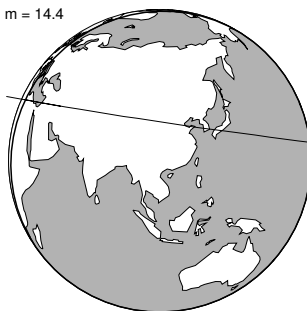
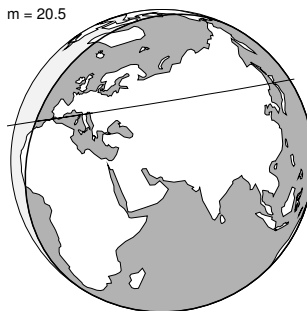
Occultations by major and minor planets – 2024

Region 7

2024 jan 17 15h 4.2m A24_01163 4835 Asaeus PPMX 6085428 Diam = 45.7 m = 15.4 Dur = 3.0s Dmag = 3.0 Sun: 168° Moon: 88°	2024 jan 18 11h24.9m A24_01143 1841 Masaryk UCAC4 579–036770 Diam = 53.3 m = 15.4 Dur = 4.2s Dmag = 3.1 Sun: 168° Moon: 75°	2024 jan 18 21h17.4m A24_01120 1211 Bressole TYC 0302–00440–1 Diam = 41.6 m = 16.5 Dur = 3.7s Dmag = 6.9 Sun: 100° Moon: 156°	2024 jan 19 11h12.7m B24_01009 600217 2011QY100 UCAC4 438–020125 Diam = 95.1 m = 14.2 m = 21.3 Dur = 4.6s Dmag = 7.1 Sun: 149° Moon: 61°
2024 jan 19 12h21.2m A24_01020 132 Aethra UCAC4 554–004655 Diam = 47.0 m = 13.4 Dur = 3.8s Dmag = 1.7 Sun: 103° Moon: 5°	2024 jan 23 19h26.2m A24_01164 4835 Asaeus UCAC4 529–038247 Diam = 45.7 m = 11.6 m = 15.5 Dur = 3.1s Dmag = 3.9 Sun: 162° Moon: 13°	2024 jan 23 20h28.7m A24_01043 248 Lameia TYC 0814–01538–1 Diam = 52.0 m = 13.7 m = 11.9 Dur = 4.5s Dmag = 2.0 Sun: 168° Moon: 33°	2024 jan 24 10h54.7m A24_01078 588 Achilles TYC 1927–00209–1 Diam = 147.0 m = 14.9 m = 11.0 Dur = 9.4s Dmag = 3.9 Sun: 174° Moon: 10°
2024 jan 24 11h 0.8m A24_01054 354 Eleonora UCAC4 501–046195 Diam = 162.0 m = 12.2 m = 9.7 Dur = 12.6s Dmag = 0.1 Sun: 167° Moon: 18°	2024 jan 24 23h 3.8m A24_01066 522 Helga UCAC4 368–074073 Diam = 113.0 m = 12.0 m = 15.9 Dur = 4.1s Dmag = 4.0 Sun: 64° Moon: 124°	2024 jan 25 12h31.9m A24_01153 3793 Leonteus UCAC4 428–036754 Diam = 72.4 m = 15.6 m = 11.1 Dur = 4.6s Dmag = 4.5 Sun: 152° Moon: 31°	2024 jan 25 13h24.6m A24_01173 7119 Hiera UCAC4 572–030957 Diam = 45.7 m = 16.6 m = 9.7 Dur = 3.1s Dmag = 6.9 Sun: 153° Moon: 25°
2024 jan 26 11h 7.6m A24_01089 671 Carnegie UCAC4 591–008495 Diam = 63.7 m = 15.2 m = 10.8 Dur = 9.1s Dmag = 4.4 Sun: 109° Moon: 77°	2024 jan 26 14h14.3m A24_01057 455 Bruchsalia UCAC4 596–047329 Diam = 87.5 m = 13.6 m = 12.2 Dur = 5.6s Dmag = 1.7 Sun: 160° Moon: 11°	2024 jan 26 14h42.1m A24_01155 4035 Thestor UCAC4 513–023488 Diam = 57.5 m = 16.4 m = 11.8 Dur = 4.6s Dmag = 4.6 Sun: 147° Moon: 43°	2024 jan 27 9h15.5m A24_01032 182 Elsa TYC 1239–00081–1 Diam = 45.3 m = 12.6 m = 10.5 Dur = 4.4s Dmag = 2.2 Sun: 110° Moon: 88°

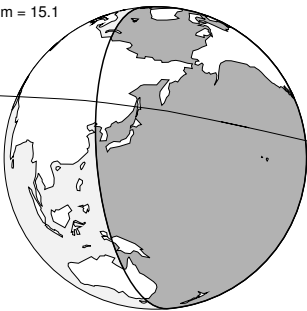
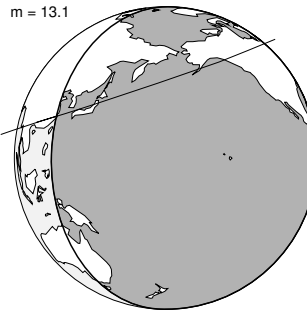
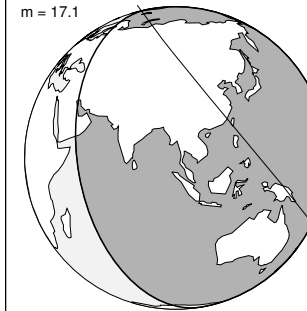
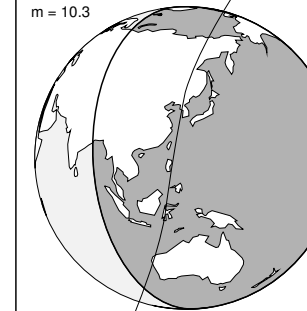
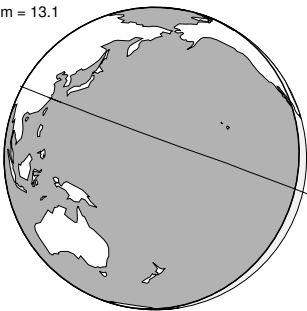
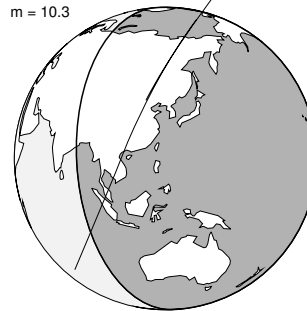
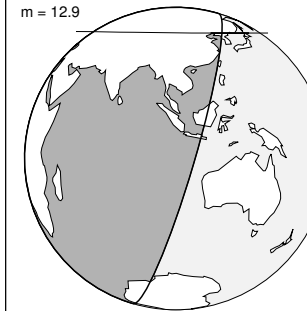
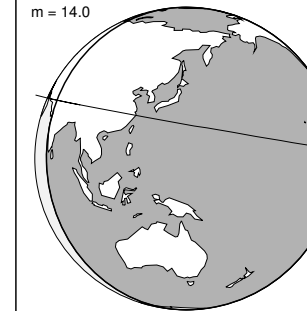
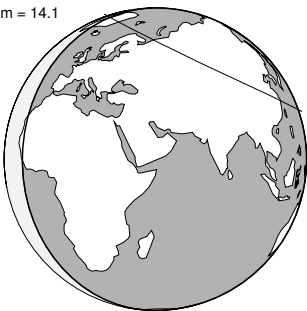
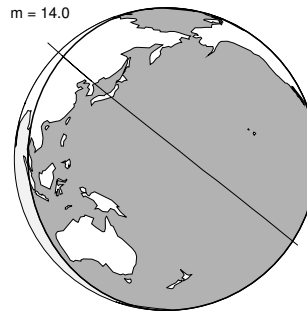
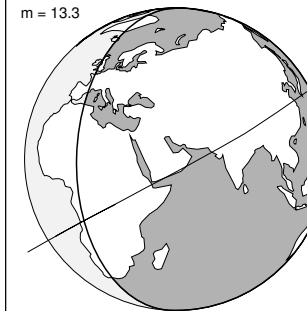
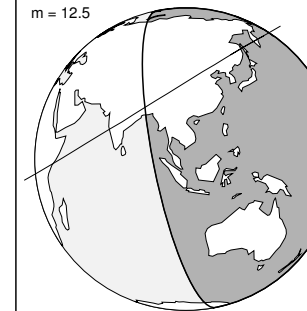
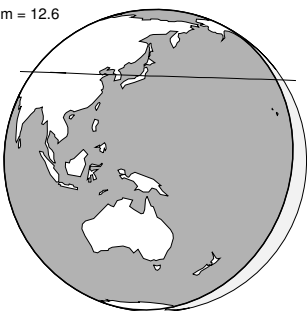
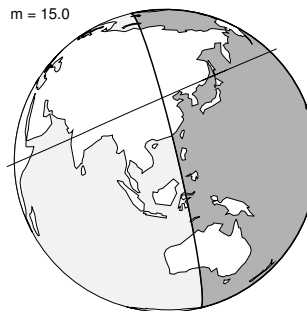
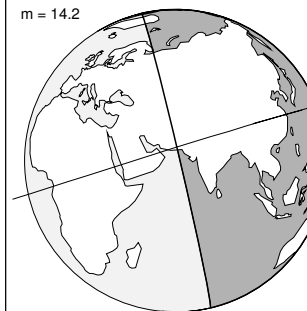
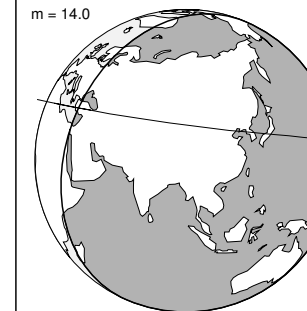
Occultations by major and minor planets – 2024

Region 7

2024 jan 27 11h 3.9m A24_01024 148 Gallia UCAC4 384-002917 Diam = 104.0 m = 12.4  Dur = 4.4s Dmag = 0.7 Sun: 86° Moon: 112°	2024 jan 27 17h52.5m A24_01110 850 Altona UCAC4 533-023141 Diam = 84.5 m = 11.3  Dur = 7.1s Dmag = 3.6 Sun: 144° Moon: 58°	2024 jan 28 10h58.9m A24_01128 1309 Hyperborea UCAC5 491-003182 Diam = 59.8 m = 12.5  Dur = 3.3s Dmag = 3.2 Sun: 87° Moon: 123°	2024 jan 29 17h 8.4m A24_01035 192 Nausikaa FK6 4872 Diam = 107.0 m = 7.4  Dur = 8.4s Dmag = 3.5 Sun: 164° Moon: 29°
2024 jan 30 16h53.7m A24_01107 804 Hispania TYC 2936-01708-1 Diam = 140.6 m = 11.0  Dur = 12.1s Dmag = 1.9 Sun: 143° Moon: 86°	2024 jan 31 10h10.7m A24_01144 1841 Masaryk UCAC4 581-035989 Diam = 53.3 m = 12.1  Dur = 5.1s Dmag = 3.6 Sun: 153° Moon: 88°	2024 jan 31 15h 7.5m A24_01073 582 Olympia TYC 5399-03793-1 Diam = 47.0 m = 11.4  Dur = 3.2s Dmag = 1.0 Sun: 144° Moon: 82°	2024 jan 31 16h13.3m A24_01111 921 Jovita UCAC4 455-028437 Diam = 60.5 m = 12.1  Dur = 4.2s Dmag = 4.2 Sun: 148° Moon: 89°
2024 feb 1 13h 3.1m A24_02040 198 Ampella TYC 0797-00510-1 Diam = 58.7 m = 11.8  Dur = 4.2s Dmag = 1.0 Sun: 169° Moon: 77°	2024 feb 2 9h12.1m A24_02099 607 Jenny UCAC5 529-042593 Diam = 65.5 m = 12.5  Dur = 5.3s Dmag = 1.4 Sun: 165° Moon: 97°	2024 feb 2 15h41.2m A24_02144 5025 Mecisteus PPMX 4044396 Diam = 45.7 m = 12.1  Dur = 3.6s Dmag = 4.7 Sun: 146° Moon: 118°	2024 feb 3 10h57.7m A24_02145 5254 Ulysses TYC 2941-01200-1 Diam = 60.3 m = 9.4  Dur = 5.2s Dmag = 6.7 Sun: 141° Moon: 130°
2024 feb 3 15h12.6m A24_02112 788 Hohensteina TYC 4914-00259-1 Diam = 109.0 m = 10.8  Dur = 12.5s Dmag = 2.3 Sun: 148° Moon: 66°	2024 feb 4 19h39.8m A24_02107 714 Ulula TYC 6716-00899-1 Diam = 41.0 m = 10.0  Dur = 3.6s Dmag = 3.9 Sun: 100° Moon: 33°	2024 feb 5 16h30.6m A24_02083 497 Iva TYC 1944-01849-1 Diam = 45.3 m = 8.2  Dur = 3.3s Dmag = 6.2 Sun: 166° Moon: 134°	2024 feb 6 18h40.9m B24_02003 341275 2007RG283 UCAC4 618-042354 Diam = 82.0 m = 14.3  Dur = 4.0s Dmag = 6.2 Sun: 150° Moon: 163°

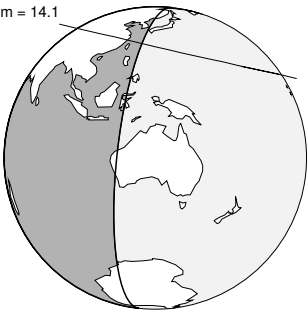
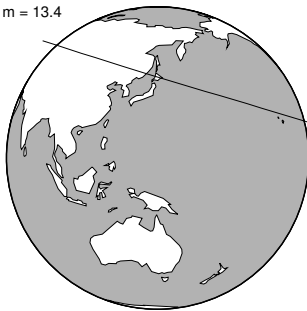
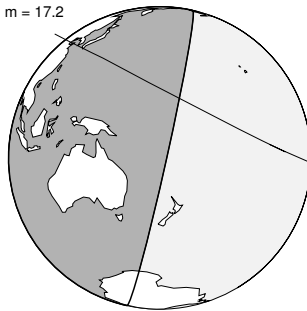
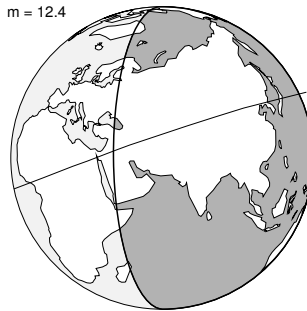
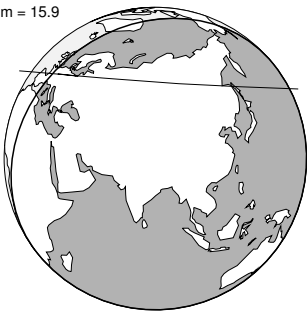
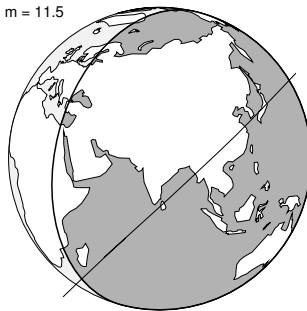
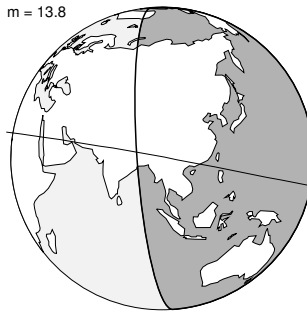
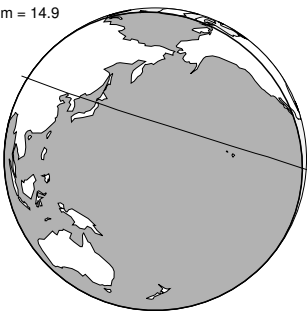
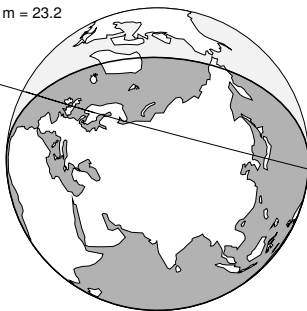
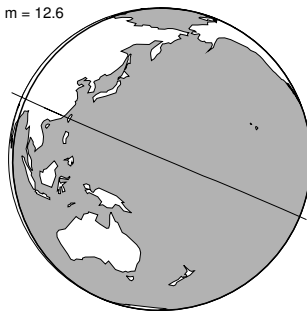
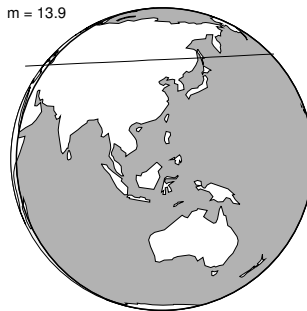
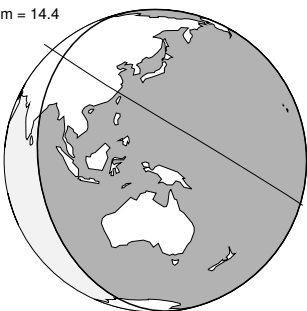
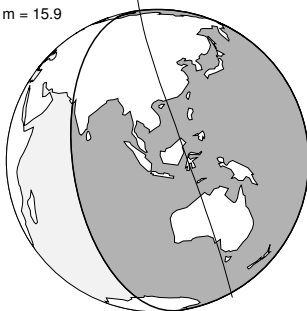
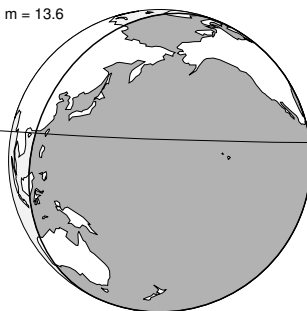
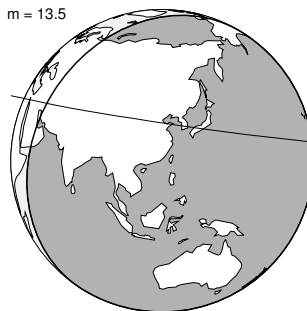
Occultations by major and minor planets – 2024

Region 7

2024 feb 7 9h14.1m A24_02108 731 Sorgia UCAC4 604–013595 Diam = 46.6 m = 12.3 m = 15.1  Dur = 11.3s Dmag = 2.8 Sun: 112° Moon: 149°	2024 feb 8 9h33.6m A24_02075 476 Hedwig UCAC4 560–031368 Diam = 121.0 m = 12.3 m = 13.1  Dur = 16.4s Dmag = 1.3 Sun: 139° Moon: 160°	2024 feb 9 14h24.5m A24_02149 15440 Eioneus TYC 0721–01535–1 Diam = 49.2 m = 10.4 m = 17.1  Dur = 3.7s Dmag = 6.7 Sun: 130° Moon: 134°	2024 feb 10 12h 5.0m A24_02007 5 Astraea UCAC4 546–021172 Diam = 125.0 m = 12.4 m = 10.3  Dur = 41.5s Dmag = 0.1 Sun: 127° Moon: 120°
2024 feb 10 13h53.3m A24_02042 208 Lacrimosa TYC 0846–00585–1 Diam = 44.3 m = 11.6 m = 13.1  Dur = 4.1s Dmag = 1.8 Sun: 160° Moon: 170°	2024 feb 12 12h10.9m A24_02008 5 Astraea UCAC4 547–020975 Diam = 125.0 m = 12.5 m = 10.3  Dur = 37.6s Dmag = 0.1 Sun: 126° Moon: 90°	2024 feb 12 22h37.2m A24_02022 85 Io UCAC4 370–069309 Diam = 178.0 m = 11.6 m = 12.9  Dur = 13.0s Dmag = 1.6 Sun: 97° Moon: 139°	2024 feb 14 13h 4.1m A24_02090 539 Pamina TYC 0806–00557–1 Diam = 55.3 m = 11.3 m = 14.0  Dur = 4.8s Dmag = 2.8 Sun: 157° Moon: 95°
2024 feb 14 18h54.0m A24_02115 799 Gudula TYC 1363–02370–1 Diam = 46.5 m = 12.4 m = 14.1  Dur = 5.4s Dmag = 1.9 Sun: 151° Moon: 85°	2024 feb 15 11h29.8m A24_02111 780 Armenia UCAC4 513–046646 Diam = 97.1 m = 11.4 m = 14.0  Dur = 6.9s Dmag = 2.7 Sun: 155° Moon: 81°	2024 feb 15 17h19.7m A24_02076 476 Hedwig UCAC4 559–029685 Diam = 121.0 m = 11.9 m = 13.3  Dur = 25.2s Dmag = 1.6 Sun: 130° Moon: 52°	2024 feb 17 11h59.0m A24_02080 485 Genua UCAC4 476–008072 Diam = 68.2 m = 11.8 m = 12.5  Dur = 5.2s Dmag = 1.1 Sun: 102° Moon: 21°
2024 feb 17 16h11.5m A24_02030 117 Lomia TYC 0275–00483–1 Diam = 154.0 m = 9.3 m = 12.6  Dur = 13.5s Dmag = 3.4 Sun: 153° Moon: 104°	2024 feb 18 10h 6.5m A24_02067 442 Eichsfeldia TYC 0656–00054–1 Diam = 67.5 m = 11.6 m = 15.0  Dur = 3.6s Dmag = 3.4 Sun: 85° Moon: 28°	2024 feb 18 13h32.6m A24_02060 363 Padua TYC 1247–00876–1 Diam = 96.0 m = 12.2 m = 14.2  Dur = 5.4s Dmag = 2.2 Sun: 88° Moon: 25°	2024 feb 18 15h35.8m A24_02124 1248 Jugurtha TYC 2454–00886–1 Diam = 47.9 m = 11.4 m = 14.0  Dur = 7.0s Dmag = 2.6 Sun: 142° Moon: 29°

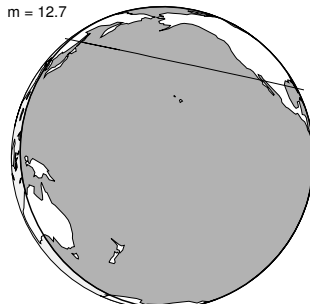
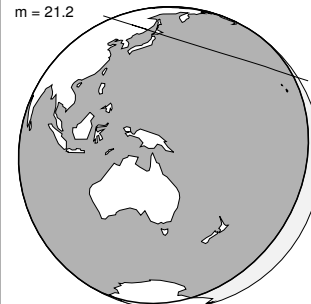
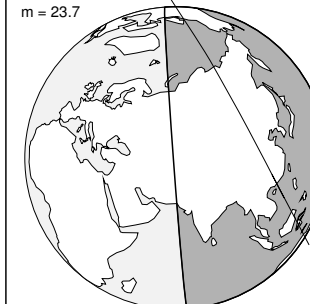
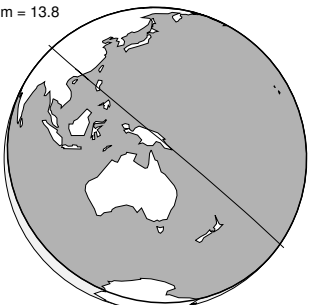
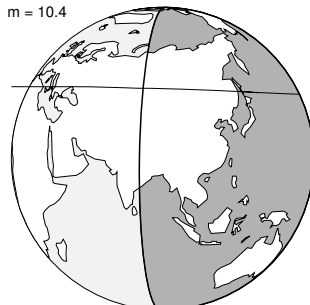
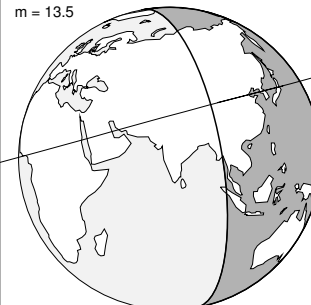
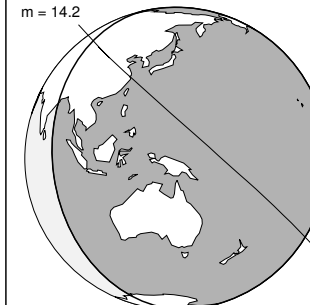
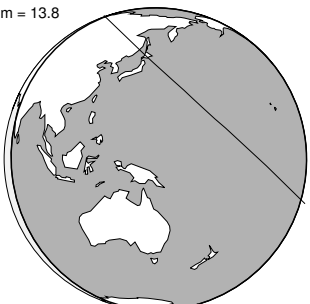
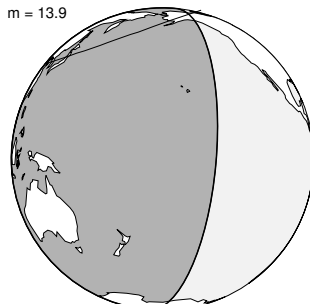
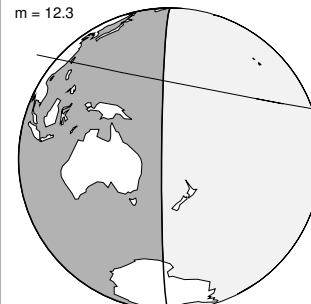
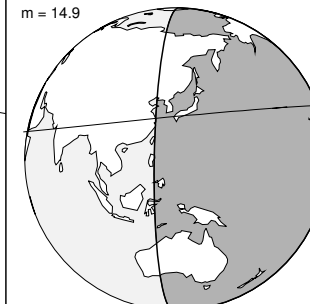
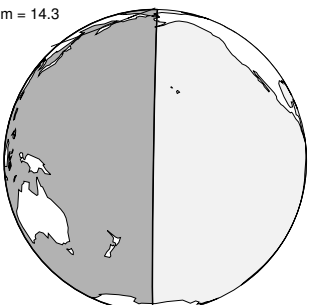
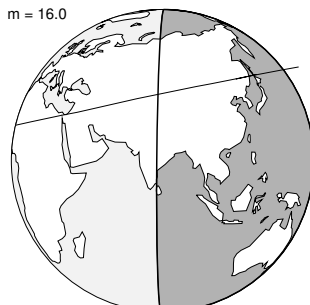
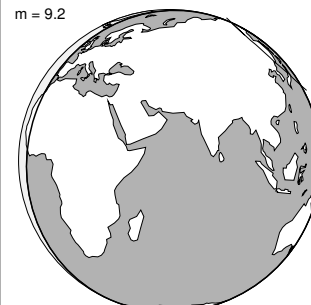
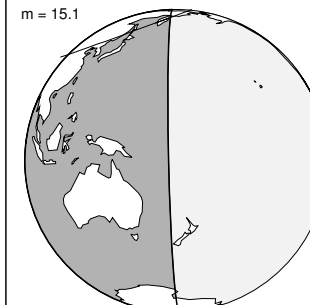
Occultations by major and minor planets – 2024

Region 7

2024 feb 18 22h 7.3m A24_02073 454 Mathesis TYC 6813–00484–1 Diam = 84.5 m = 12.1 m = 14.1  Dur = 3.2s Dmag = 2.1 Sun: 75° Moon: 167°	2024 feb 20 14h33.4m A24_02028 112 Iphigenia TYC 0833–00029–1 Diam = 75.5 m = 10.1 m = 13.4  Dur = 5.7s Dmag = 3.3 Sun: 177° Moon: 41°	2024 feb 20 18h36.6m A24_02036 155 Scylla TYC 6194–00470–1 Diam = 49.5 m = 10.9 m = 17.2  Dur = 4.0s Dmag = 6.3 Sun: 92° Moon: 129°	2024 feb 22 15h 6.7m A24_02110 776 Berbericia TYC 2394–01260–1 Diam = 121.3 m = 10.4 m = 12.4  Dur = 16.6s Dmag = 2.2 Sun: 108° Moon: 50°
2024 feb 23 17h22.9m A24_02070 448 Natalie UCAC4 618–046293 Diam = 49.7 m = 12.0 m = 15.9  Dur = 3.5s Dmag = 3.9 Sun: 151° Moon: 20°	2024 feb 28 9h 8.7m A24_02084 503 Evelyn TYC 1814–01652–1 Diam = 79.5 m = 9.8 m = 13.7  Dur = 3.9s Dmag = 3.9 Sun: 85° Moon: 136°	2024 feb 28 15h54.7m A24_02020 71 Niobe TYC 1916–00269–1 Diam = 87.3 m = 12.0 m = 11.5  Dur = 8.6s Dmag = 0.5 Sun: 133° Moon: 91°	2024 feb 29 12h10.9m A24_02064 407 Arachne PPMX 4965652 Diam = 97.0 m = 12.5 m = 13.8  Dur = 7.7s Dmag = 1.6 Sun: 99° Moon: 135°
2024 mar 1 13h41.1m A24_03116 806 Gylzenia TYC 1443–01500–1 Diam = 65.2 m = 11.4 m = 14.9  Dur = 5.4s Dmag = 3.5 Sun: 160° Moon: 62°	2024 mar 1 19h27.0m B24_03012 2008AU138 UCAC4 726–047188 Diam = 190.5 m = 13.1 m = 23.2  Dur = 7.5s Dmag = 10.1 Sun: 132° Moon: 92°	2024 mar 2 12h31.4m A24_03022 46 Hestia UCAC5 503–050838 Diam = 131.0 m = 12.5 m = 12.6  Dur = 9.9s Dmag = 0.8 Sun: 166° Moon: 90°	2024 mar 2 15h12.6m A24_03133 1000 Piazzia UCAC4 491–054209 Diam = 54.0 m = 11.8 m = 13.9  Dur = 3.7s Dmag = 2.3 Sun: 164° Moon: 93°
2024 mar 3 12h29.7m A24_03144 1177 Gonnessia TYC 0196–00449–1 Diam = 95.5 m = 10.7 m = 14.4  Dur = 10.9s Dmag = 3.8 Sun: 140° Moon: 120°	2024 mar 4 13h17.2m A24_03172 3793 Leonteus UCAC5 441–032414 Diam = 72.4 m = 12.4 m = 15.9  Dur = 6.9s Dmag = 3.5 Sun: 124° Moon: 141°	2024 mar 7 10h28.3m A24_03071 388 Charybdis UCAC5 555–044050 Diam = 120.0 m = 12.4 m = 13.6  Dur = 12.0s Dmag = 1.5 Sun: 146° Moon: 172°	2024 mar 8 14h34.8m A24_03043 131 Vala TYC 1959–01017–1 Diam = 43.3 m = 11.9 m = 13.5  Dur = 5.9s Dmag = 1.8 Sun: 148° Moon: 173°

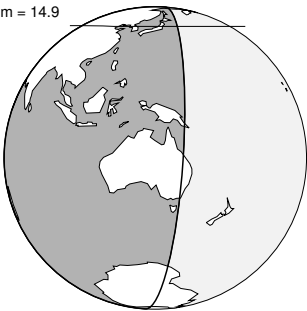
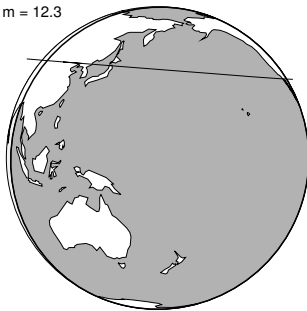
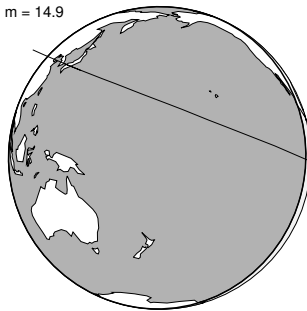
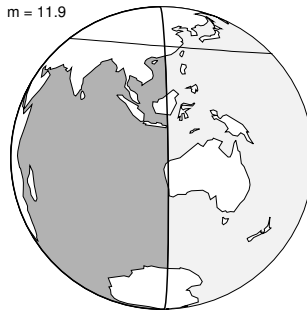
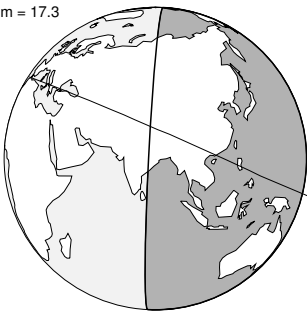
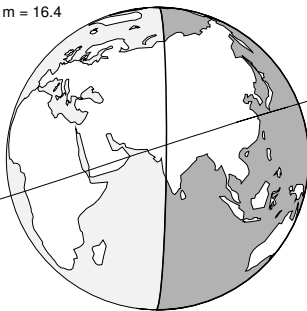
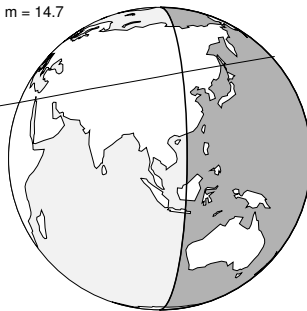
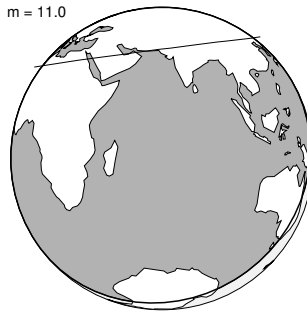
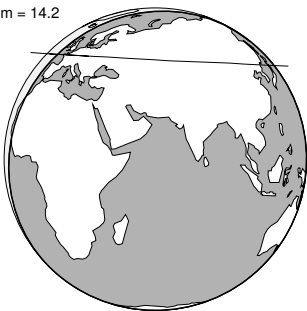
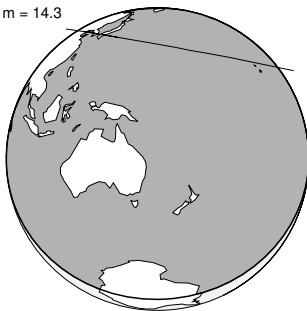
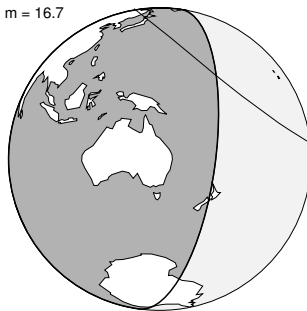
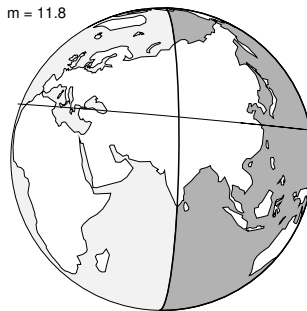
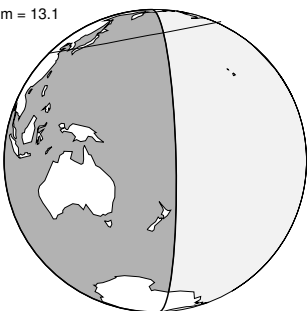
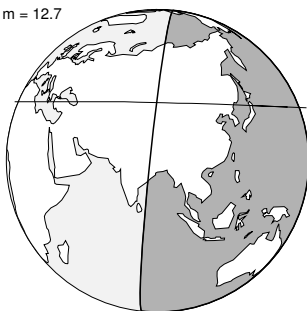
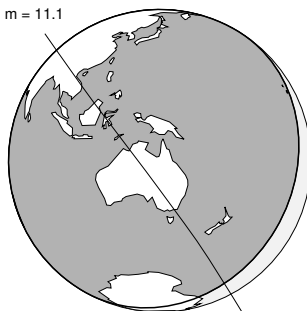
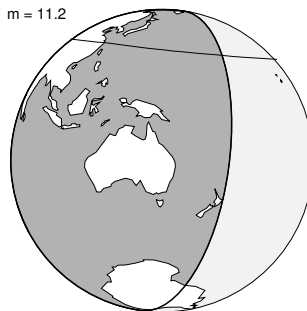
Occultations by major and minor planets – 2024

Region 7

2024 mar 8 18h17.7m A24_03065 344 Desiderata UCAC4 663–054643 Diam = 138.0 m = 12.0 m = 13.3  Dur = 12.6s Dmag = 1.6 Sun: 130° Moon: 151°	2024 mar 9 9h42.6m A24_03100 665 Sabine TYC 4903–00821–1 Diam = 56.1 m = 10.1 m = 12.7  Dur = 4.3s Dmag = 2.8 Sun: 159° Moon: 163°	2024 mar 9 15h48.0m B24_03004 26375 1999DE9 UCAC4 387–059374 Diam = 430.5 m = 13.0 m = 21.2  Dur = 20.1s Dmag = 8.1 Sun: 151° Moon: 140°	2024 mar 10 13h37.2m A24_03180 181855 1998WT31 UCAC4 665–035374 Diam = 120.2 m = 12.1 m = 23.7  Dur = 13.2s Dmag = 11.5 Sun: 91° Moon: 89°
2024 mar 10 13h45.5m A24_03137 1031 Arctica TYC 5498–01169–1 Diam = 78.0 m = 9.6 m = 13.8  Dur = 6.1s Dmag = 4.2 Sun: 158° Moon: 156°	2024 mar 11 12h36.4m A24_03012 9 Metis TYC 1875–02418–1 Diam = 231.2 m = 10.0 m = 10.4  Dur = 16.0s Dmag = 0.9 Sun: 98° Moon: 83°	2024 mar 12 11h38.2m A24_03026 65 Cybele TYC 1254–00052–1 Diam = 230.0 m = 9.3 m = 13.5  Dur = 9.7s Dmag = 4.3 Sun: 69° Moon: 40°	2024 mar 13 12h21.0m A24_03074 397 Vienna TYC 4883–00512–1 Diam = 46.0 m = 10.3 m = 14.2  Dur = 4.0s Dmag = 3.9 Sun: 144° Moon: 105°
2024 mar 14 13h10.6m A24_03093 619 Triberga UCAC4 452–048633 Diam = 42.7 m = 10.2 m = 13.8  Dur = 3.3s Dmag = 3.6 Sun: 162° Moon: 107°	2024 mar 14 15h47.3m A24_03094 628 Christine TYC 5045–00640–1 Diam = 51.0 m = 12.0 m = 13.9  Dur = 6.5s Dmag = 2.1 Sun: 110° Moon: 160°	2024 mar 15 19h17.4m A24_03028 68 Leto UCAC4 317–121334 Diam = 127.0 m = 11.3 m = 12.3  Dur = 6.4s Dmag = 1.4 Sun: 86° Moon: 160°	2024 mar 16 9h58.1m A24_03131 976 Benjamina UCAC4 535–024908 Diam = 86.6 m = 11.5 m = 14.9  Dur = 8.3s Dmag = 3.5 Sun: 98° Moon: 21°
2024 mar 17 17h 8.9m A24_03111 747 Winchester UCAC4 413–075280 Diam = 178.0 m = 12.5 m = 14.3  Dur = 12.5s Dmag = 2.0 Sun: 89° Moon: 158°	2024 mar 19 12h47.6m A24_03158 1731 Smuts TYC 1321–01196–1 Diam = 56.2 m = 9.7 m = 16.0  Dur = 3.9s Dmag = 6.3 Sun: 92° Moon: 27°	2024 mar 19 18h50.2m A24_03004 3 Juno TYC 0260–00756–1 Diam = 257.6 m = 11.1 m = 9.2  Dur = 22.0s Dmag = 0.2 Sun: 160° Moon: 41°	2024 mar 21 19h 7.4m A24_03095 635 Vundtia UCAC4 388–092505 Diam = 100.0 m = 10.6 m = 15.1  Dur = 5.6s Dmag = 4.5 Sun: 87° Moon: 129°

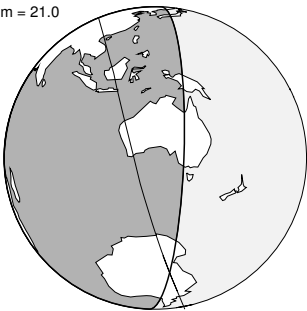
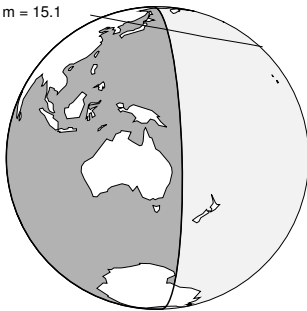
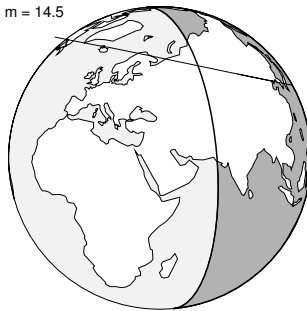
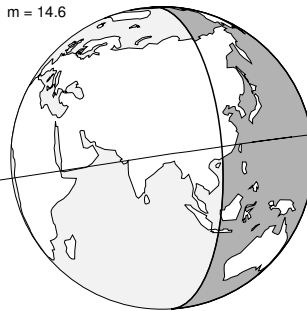
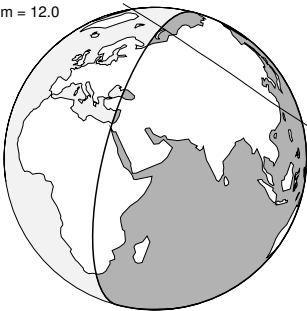
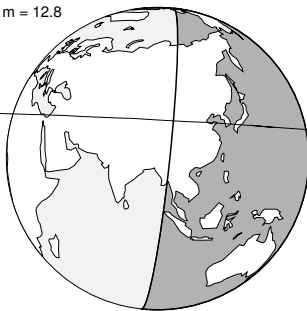
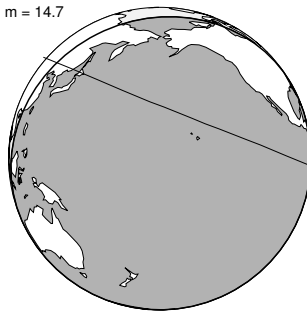
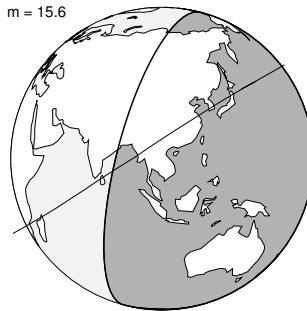
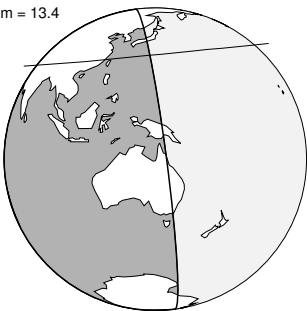
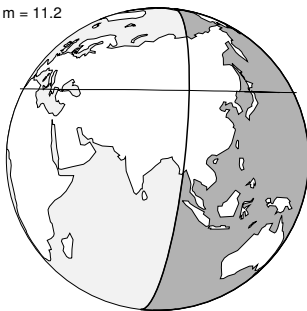
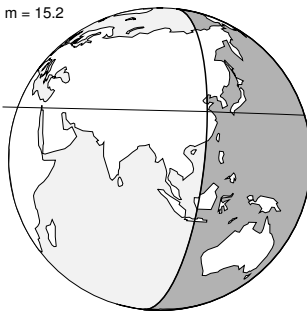
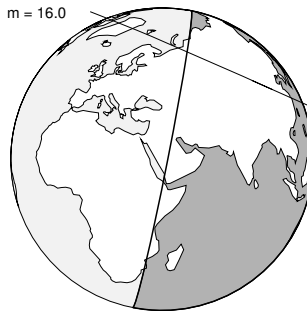
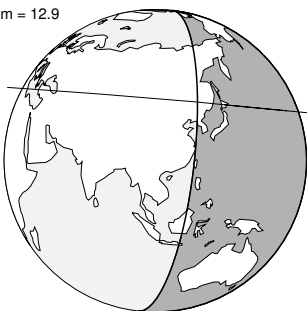
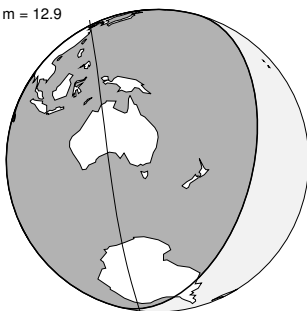
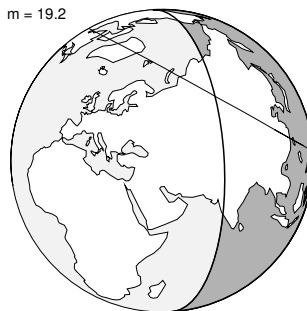
Occultations by major and minor planets – 2024

Region 7

2024 mar 21 20h11.9m A24_03089 586 Thekla UCAC4 337-093759 Diam = 85.0 m = 11.9 m = 14.9  Dur = 8.2s Dmag = 3.0 Sun: 100° Moon: 117°	2024 mar 22 12h11.7m A24_03040 117 Lomia TYC 0266-00276-1 Diam = 154.0 m = 11.9 m = 12.3  Dur = 11.5s Dmag = 1.0 Sun: 165° Moon: 16°	2024 mar 23 13h 2.4m A24_03129 936 Kunigunde UCAC4 426-057796 Diam = 44.1 m = 11.8 m = 14.9  Dur = 3.4s Dmag = 3.2 Sun: 164° Moon: 34°	2024 mar 23 22h27.7m A24_03020 42 Isis UCAC4 350-125894 Diam = 107.0 m = 11.4 m = 11.9  Dur = 5.5s Dmag = 1.0 Sun: 92° Moon: 102°
2024 mar 24 12h37.8m A24_03178 7119 Hiera TYC 1340-01783-1 Diam = 45.7 m = 11.9 m = 17.3  Dur = 3.8s Dmag = 5.4 Sun: 92° Moon: 79°	2024 mar 24 13h10.7m A24_03153 1428 Mombasa TYC 1325-01600-1 Diam = 60.0 m = 11.9 m = 16.4  Dur = 3.2s Dmag = 4.5 Sun: 86° Moon: 85°	2024 mar 26 10h34.8m A24_03052 205 Martha PPMX 6965656 Diam = 83.5 m = 11.9 m = 14.7  Dur = 3.8s Dmag = 2.9 Sun: 79° Moon: 113°	2024 mar 26 20h19.5m A24_03070 385 Ilmatar UCAC4 350-067273 Diam = 94.1 m = 12.1 m = 11.0  Dur = 9.0s Dmag = 0.4 Sun: 159° Moon: 11°
2024 mar 27 19h 4.4m A24_03159 1735 ITA TYC 0856-00757-1 Diam = 66.0 m = 11.3 m = 14.2  Dur = 4.7s Dmag = 3.0 Sun: 161° Moon: 46°	2024 mar 28 13h36.6m A24_03132 982 Franklina UCAC4 325-067948 Diam = 43.7 m = 12.4 m = 14.3  Dur = 3.5s Dmag = 2.1 Sun: 157° Moon: 31°	2024 mar 28 18h42.3m A24_03087 571 Dulcinea TYC 6818-01530-1 Diam = 44.0 m = 11.1 m = 16.7  Dur = 7.7s Dmag = 5.6 Sun: 111° Moon: 30°	2024 mar 29 12h57.6m A24_03019 37 Fides TYC 1885-00260-1 Diam = 112.0 m = 8.6 m = 11.8  Dur = 4.9s Dmag = 3.3 Sun: 83° Moon: 144°
2024 mar 29 18h12.4m A24_03063 308 Polyxo TYC 6259-02086-1 Diam = 148.0 m = 11.7 m = 13.1  Dur = 10.6s Dmag = 1.7 Sun: 97° Moon: 34°	2024 mar 30 12h33.9m A24_03032 92 Undina UCAC4 581-034746 Diam = 132.0 m = 10.6 m = 12.7  Dur = 10.3s Dmag = 2.3 Sun: 92° Moon: 146°	2024 mar 30 16h12.0m A24_03016 25 Phocaea UCAC5 356-066648 Diam = 78.0 m = 12.5 m = 11.1  Dur = 7.8s Dmag = 0.3 Sun: 152° Moon: 34°	2024 mar 31 18h24.9m A24_03021 43 Ariadne UCAC4 322-090520 Diam = 65.3 m = 12.4 m = 11.2  Dur = 7.8s Dmag = 0.3 Sun: 116° Moon: 10°

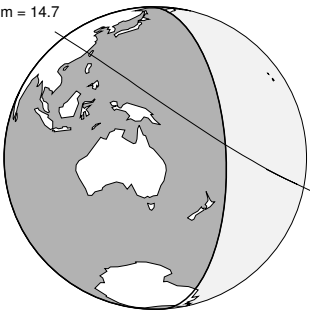
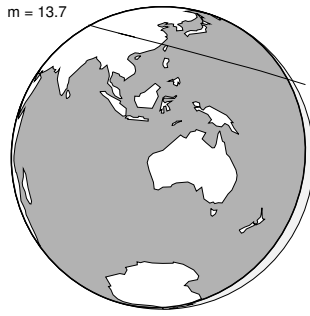
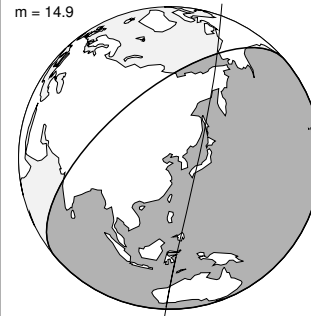
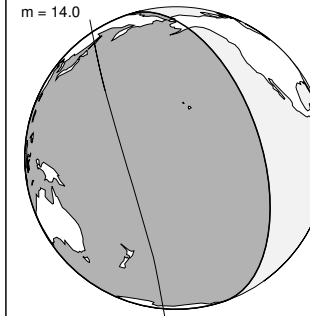
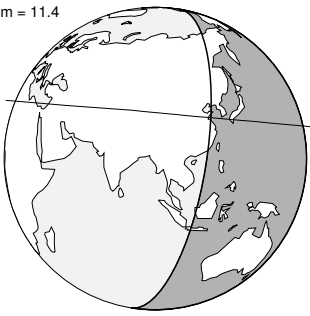
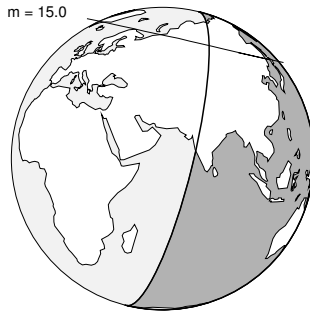
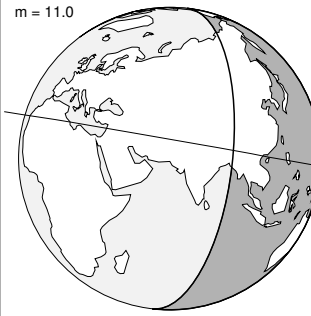
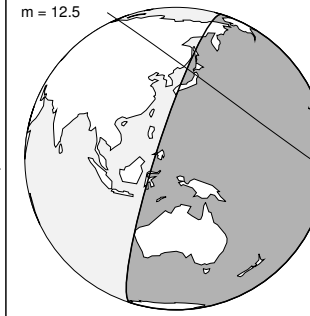
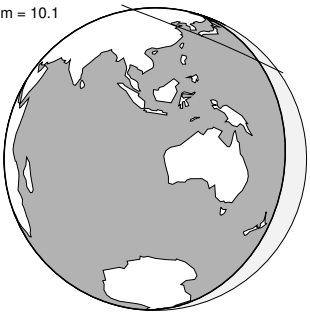
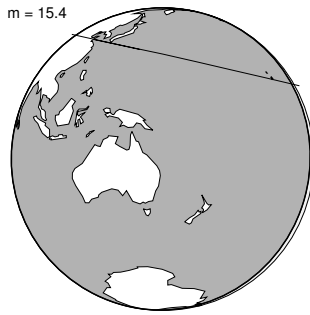
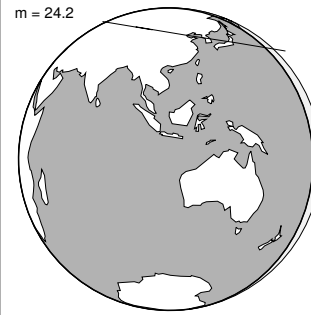
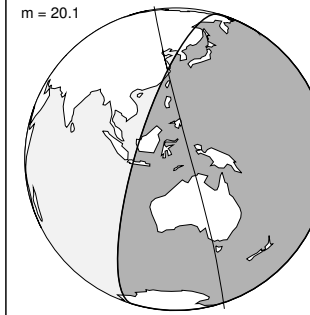
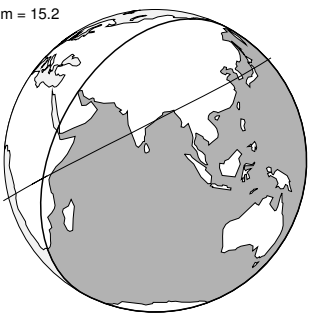
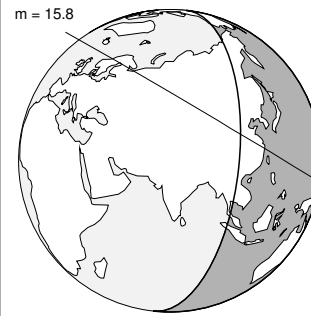
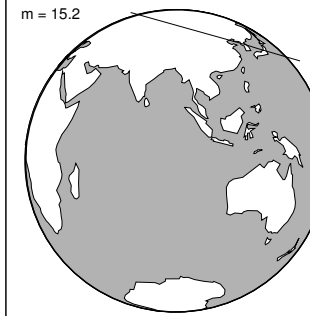
Occultations by major and minor planets – 2024

Region 7

2024 mar 31 20h47.9m B24_03008 471155 2010GF65 UCAC4 271–137680 Diam = 145.9 m = 14.5 m = 21.0  Dur = 21.9s Dmag = 6.5 Sun: 100° Moon: 9°	2024 apr 1 19h42.7m A24_04135 1032 Pafuri UCAC4 338–127466 Diam = 59.1 m = 11.6 m = 15.1  Dur = 4.3s Dmag = 3.5 Sun: 99° Moon: 8°	2024 apr 3 13h41.4m A24_04081 466 Tisiphone HIP 25159 Diam = 121.0 m = 11.2 m = 14.5  Dur = 4.6s Dmag = 3.4 Sun: 67° Moon: 140°	2024 apr 5 10h44.2m A24_04091 498 Tokio UCAC4 569–016836 Diam = 84.8 m = 11.7 m = 14.6  Dur = 3.0s Dmag = 3.0 Sun: 66° Moon: 113°
2024 apr 6 16h 6.5m A24_04030 78 Diana UCAC4 544–046408 Diam = 116.0 m = 12.2 m = 12.0  Dur = 11.1s Dmag = 0.7 Sun: 109° Moon: 139°	2024 apr 8 11h44.1m A24_04035 92 Undina TYC 1899–01142–1 Diam = 132.0 m = 10.7 m = 12.8  Dur = 7.9s Dmag = 2.2 Sun: 85° Moon: 89°	2024 apr 10 10h44.5m A24_04050 166 Rhodope TYC 0877–00486–1 Diam = 43.9 m = 12.1 m = 14.7  Dur = 3.2s Dmag = 2.7 Sun: 157° Moon: 136°	2024 apr 10 12h29.3m A24_04150 1585 Union TYC 1392–00864–1 Diam = 52.1 m = 9.8 m = 15.6  Dur = 4.6s Dmag = 5.8 Sun: 107° Moon: 83°
2024 apr 10 20h30.0m A24_04090 487 Venetia UCAC4 366–163740 Diam = 64.0 m = 12.4 m = 13.4  Dur = 4.4s Dmag = 1.4 Sun: 94° Moon: 122°	2024 apr 14 11h48.0m A24_04007 5 Astraea HIP 33890 Diam = 125.0 m = 7.9 m = 11.2  Dur = 5.1s Dmag = 3.4 Sun: 79° Moon: 8°	2024 apr 17 10h35.7m A24_04131 976 Benjamina TYC 1334–01992–1 Diam = 86.6 m = 10.3 m = 15.2  Dur = 3.6s Dmag = 4.9 Sun: 72° Moon: 37°	2024 apr 18 15h20.6m A24_04098 588 Achilles TYC 1375–00584–1 Diam = 147.0 m = 11.1 m = 16.0  Dur = 9.5s Dmag = 4.9 Sun: 87° Moon: 34°
2024 apr 21 10h18.9m A24_04036 92 Undina UCAC4 580–036931 Diam = 132.0 m = 11.8 m = 12.9  Dur = 6.0s Dmag = 1.5 Sun: 75° Moon: 77°	2024 apr 22 17h 6.9m A24_04123 784 Pickeringia UCAC4 266–112604 Diam = 90.0 m = 12.5 m = 12.9  Dur = 12.7s Dmag = 0.9 Sun: 128° Moon: 65°	2024 apr 22 17h51.0m A24_04115 714 Ulula UCAC4 351–067780 Diam = 41.0 m = 11.4 m = 12.4  Dur = 3.3s Dmag = 1.4 Sun: 169° Moon: 14°	2024 apr 23 13h17.9m B24_04002 54598 Bienor UCAC4 651–042038 Diam = 134.9 m = 13.2 m = 19.2  Dur = 5.9s Dmag = 6.0 Sun: 65° Moon: 110°

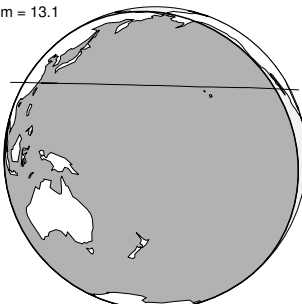
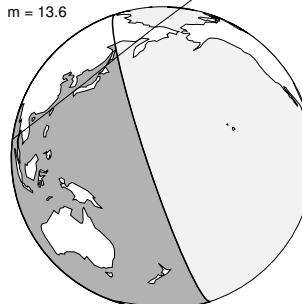
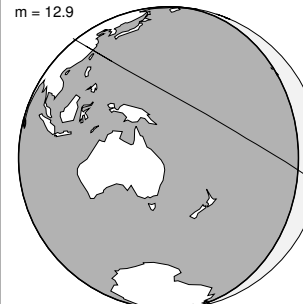
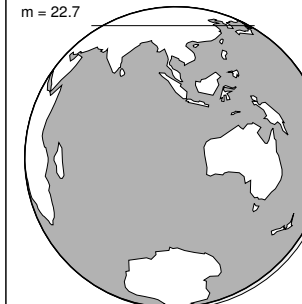
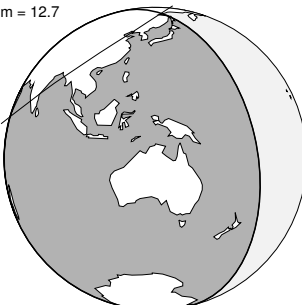
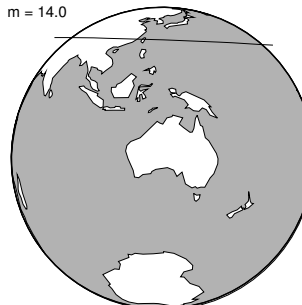
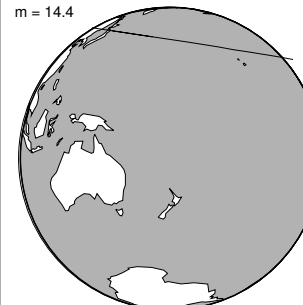
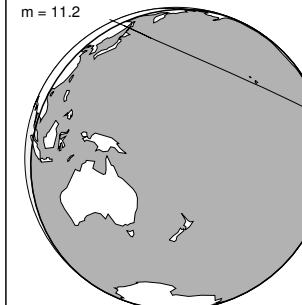
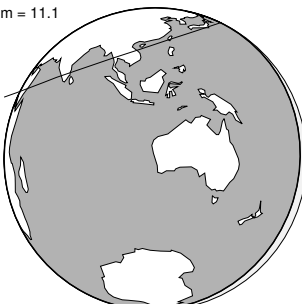
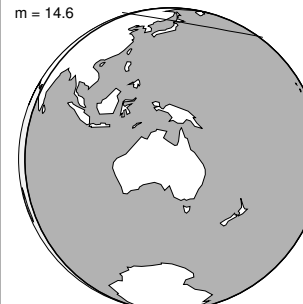
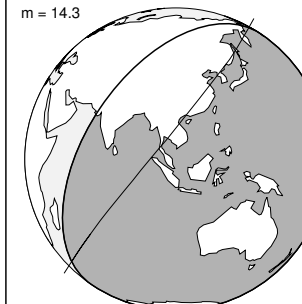
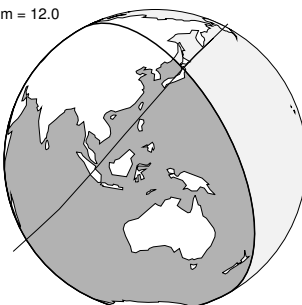
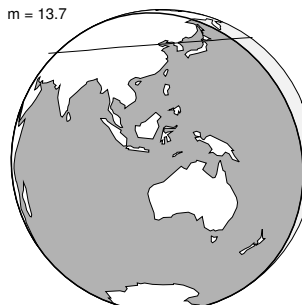
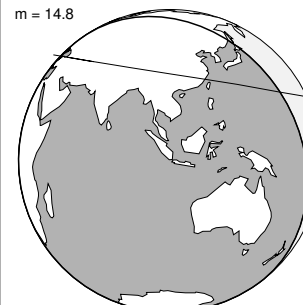
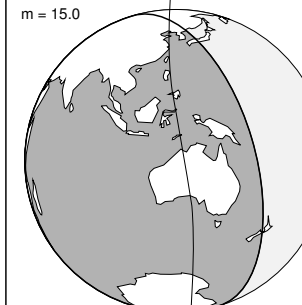
Occultations by major and minor planets – 2024

Region 7

2024 apr 23 18h23.0m A24_04136 1032 Pafuri UCAC5 334–147967 Diam = 59.1 m = 12.4 m = 14.7  Dur = 10.3s Dmag = 2.5 Sun: 117° Moon: 65°	2024 apr 25 17h17.4m A24_04092 514 Armida TYC 6764–01790–1 Diam = 110.0 m = 11.4 m = 13.7  Dur = 9.9s Dmag = 2.4 Sun: 159° Moon: 1°	2024 apr 28 13h26.5m A24_04152 1963 Bezovec UCAC4 647–049248 Diam = 46.5 m = 12.4 m = 14.9  Dur = 5.2s Dmag = 2.5 Sun: 116° Moon: 110°	2024 apr 30 14h17.3m A24_04089 483 Seppina TYC 0431–01119–1 Diam = 73.5 m = 9.3 m = 14.0  Dur = 8.5s Dmag = 4.6 Sun: 124° Moon: 39°
2024 may 1 10h38.7m A24_05001 5 Astraea TYC 1372–01237–1 Diam = 125.0 m = 11.8 m = 11.4  Dur = 4.2s Dmag = 0.6 Sun: 70° Moon: 160°	2024 may 3 13h22.4m A24_05099 607 Jenny TYC 0793–01164–1 Diam = 65.5 m = 8.9 m = 15.0  Dur = 3.0s Dmag = 6.0 Sun: 78° Moon: 140°	2024 may 4 12h11.8m A24_05007 9 Metis UCAC4 583–039004 Diam = 231.2 m = 11.7 m = 11.0  Dur = 7.4s Dmag = 0.5 Sun: 65° Moon: 115°	2024 may 5 9h52.8m A24_05072 372 Palma TYC 0241–00240–1 Diam = 195.0 m = 11.0 m = 12.5  Dur = 15.3s Dmag = 1.8 Sun: 97° Moon: 135°
2024 may 6 18h45.9m A24_05018 43 Ariadne UCAC4 323–099649 Diam = 65.3 m = 11.8 m = 10.1  Dur = 26.0s Dmag = 0.2 Sun: 148° Moon: 130°	2024 may 8 14h31.0m A24_05128 748 Simeisa TYC 6199–00250–1 Diam = 107.0 m = 10.7 m = 15.4  Dur = 6.6s Dmag = 4.7 Sun: 166° Moon: 173°	2024 may 9 17h57.9m B24_05022 2015KX174 UCAC4 369–076059 Diam = 131.8 m = 14.9 m = 24.2  Dur = 5.6s Dmag = 9.2 Sun: 161° Moon: 170°	2024 may 10 10h36.1m B24_05008 55565 2002AW197 UCAC4 421–052967 Diam = 843.3 m = 13.8 m = 20.1  Dur = 108.6s Dmag = 6.4 Sun: 105° Moon: 78°
2024 may 11 15h26.9m A24_05160 2193 Jackson TYC 0285–00864–1 Diam = 51.5 m = 11.9 m = 15.2  Dur = 8.4s Dmag = 3.4 Sun: 132° Moon: 87°	2024 may 12 10h56.9m A24_05014 37 Fides HIP 36180 Diam = 112.0 m = 10.6 m = 12.3  Dur = 3.2s Dmag = 1.9 Sun: 57° Moon: 4°	2024 may 14 11h29.4m A24_05137 911 Agamemnon UCAC4 609–041789 Diam = 175.0 m = 12.0 m = 15.8  Dur = 6.3s Dmag = 3.9 Sun: 62° Moon: 18°	2024 may 14 17h24.7m A24_05086 461 Saskia UCAC4 375–070614 Diam = 45.7 m = 12.1 m = 15.2  Dur = 3.4s Dmag = 3.1 Sun: 173° Moon: 92°

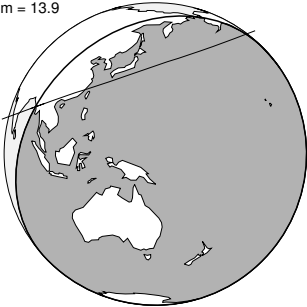
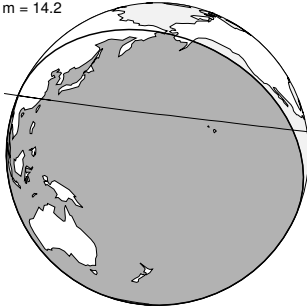
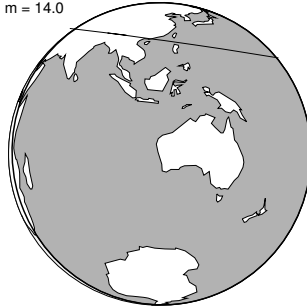
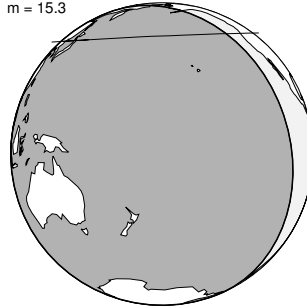
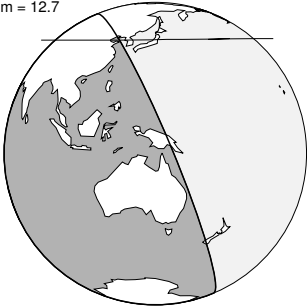
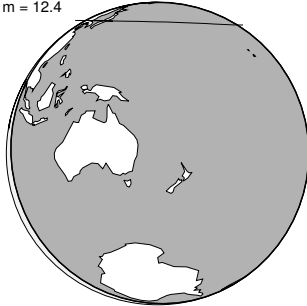
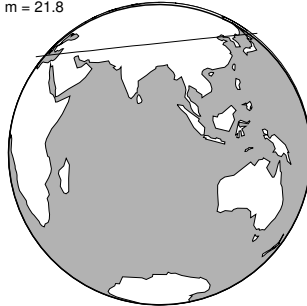
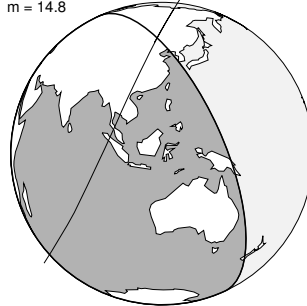
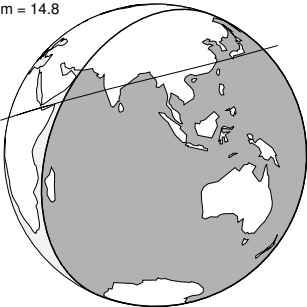
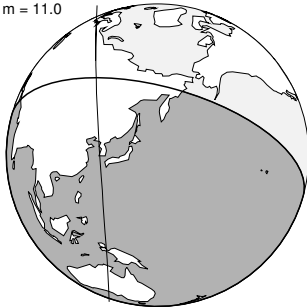
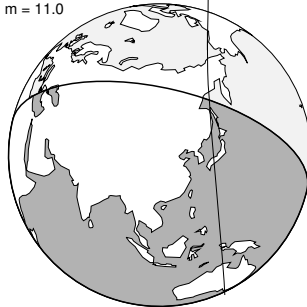
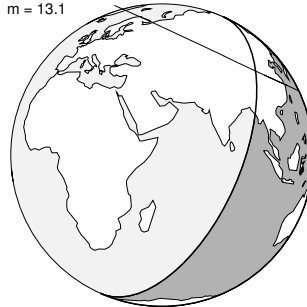
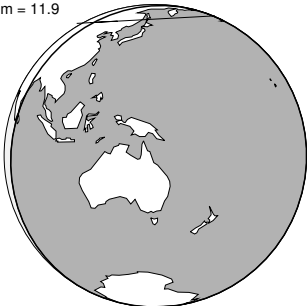
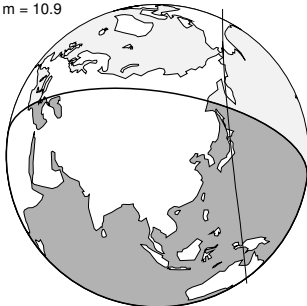
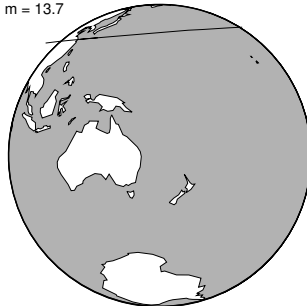
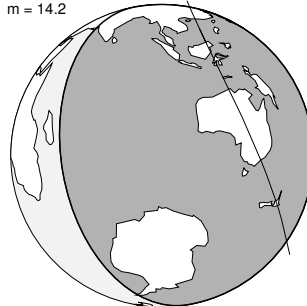
Occultations by major and minor planets – 2024

Region 7

2024 may 15 13h10.3m A24_05102 618 Elfriede UCAC5 426–064982 Diam = 124.0 m = 12.4 m = 13.1  Dur = 10.4s Dmag = 1.1 Sun: 155° Moon: 104°	2024 may 15 18h30.0m A24_05052 176 Iduna UCAC4 499–140639 Diam = 125.0 m = 12.4 m = 13.6  Dur = 5.8s Dmag = 1.5 Sun: 84° Moon: 154°	2024 may 18 15h49.6m A24_05108 683 Lanzia TYC 6841–01596–1 Diam = 116.0 m = 8.8 m = 12.9  Dur = 11.0s Dmag = 4.1 Sun: 148° Moon: 87°	2024 may 18 17h52.2m A24_05172 533563 2014JW80 UCAC4 306–090573 Diam = 287.1 m = 11.7 m = 22.7  Dur = 11.3s Dmag = 11.0 Sun: 166° Moon: 66°
2024 may 23 18h27.2m A24_05092 487 Venetia TYC 6301–01827–1 Diam = 64.0 m = 10.5 m = 12.7  Dur = 20.9s Dmag = 2.3 Sun: 132° Moon: 46°	2024 may 24 15h38.8m A24_05069 331 Etheridgea UCAC4 310–089444 Diam = 78.5 m = 12.3 m = 14.0  Dur = 6.2s Dmag = 1.8 Sun: 171° Moon: 8°	2024 may 31 11h48.2m A24_05060 257 Silesia UCAC4 335–080480 Diam = 73.5 m = 11.3 m = 14.4  Dur = 5.2s Dmag = 3.1 Sun: 171° Moon: 109°	2024 jun 2 11h27.4m A24_06030 80 Sappho TYC 5607–00074–1 Diam = 81.7 m = 9.9 m = 11.2  Dur = 7.6s Dmag = 1.6 Sun: 161° Moon: 144°
2024 jun 2 17h30.6m A24_06010 22 Kalliope UCAC4 303–158822 Diam = 187.0 m = 12.4 m = 11.1  Dur = 14.1s Dmag = 0.3 Sun: 162° Moon: 113°	2024 jun 3 17h51.0m B24_06004 119067 2001KP76 UCAC4 305–208619 Diam = 225.9 m = 14.6 m = 22.4  Dur = 9.9s Dmag = 7.8 Sun: 159° Moon: 124°	2024 jun 7 13h34.2m A24_06057 257 Silesia TYC 6778–00673–1 Diam = 73.5 m = 10.7 m = 14.6  Dur = 5.6s Dmag = 3.9 Sun: 163° Moon: 150°	2024 jun 10 13h57.1m A24_06088 484 Pittsburghia TYC 0320–00760–1 Diam = 44.5 m = 11.7 m = 14.3  Dur = 7.6s Dmag = 2.8 Sun: 127° Moon: 79°
2024 jun 11 19h12.6m A24_06124 737 Arequipa UCAC4 463–127239 Diam = 46.3 m = 11.3 m = 12.0  Dur = 6.7s Dmag = 1.2 Sun: 120° Moon: 157°	2024 jun 12 17h36.3m A24_06141 924 Toni UCAC4 391–105592 Diam = 87.6 m = 12.4 m = 13.7  Dur = 9.3s Dmag = 1.6 Sun: 154° Moon: 128°	2024 jun 12 18h48.7m A24_06136 874 Rotraut UCAC5 419–115738 Diam = 58.3 m = 12.4 m = 14.8  Dur = 5.9s Dmag = 2.5 Sun: 149° Moon: 129°	2024 jun 13 19h51.8m A24_06161 1118 Hanskya TYC 6366–00456–1 Diam = 80.7 m = 11.1 m = 15.0  Dur = 30.0s Dmag = 4.0 Sun: 121° Moon: 153°

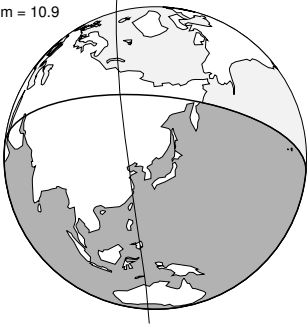
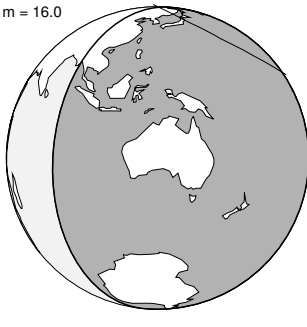
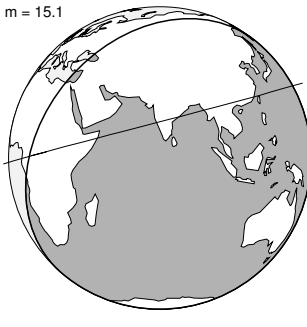
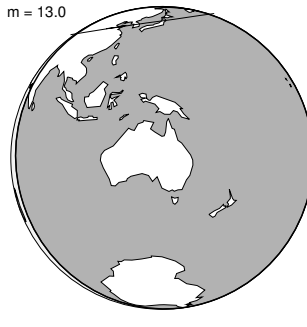
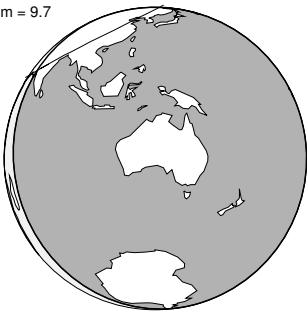
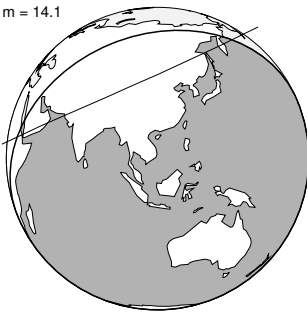
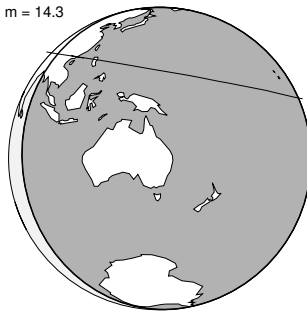
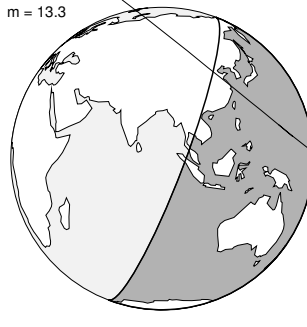
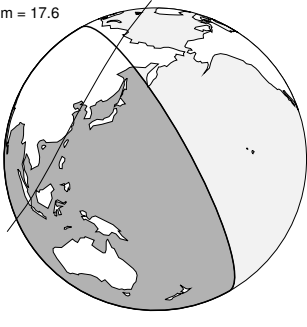
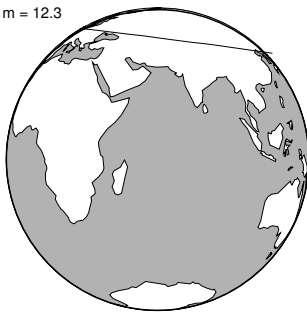
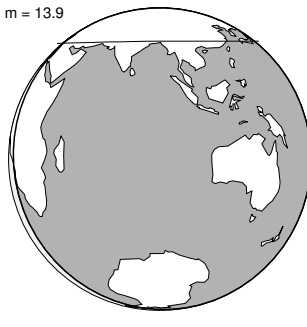
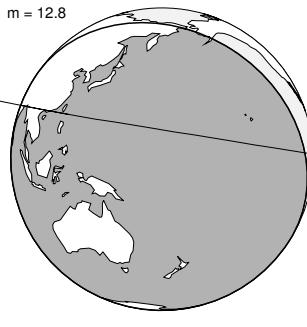
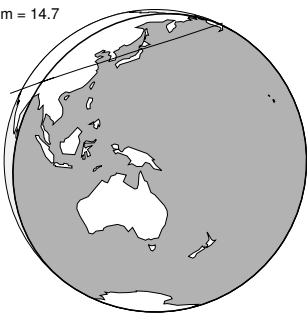
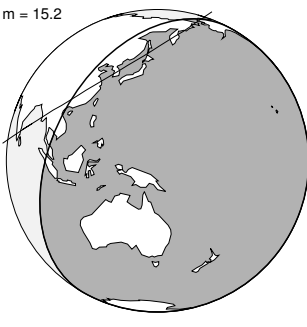
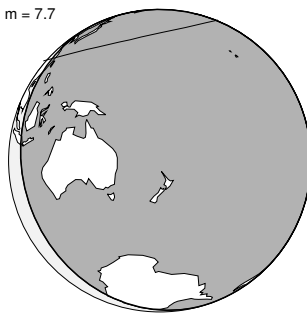
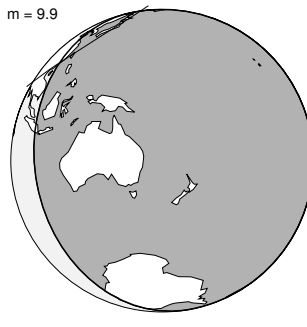
Occultations by major and minor planets – 2024

Region 7

2024 jun 16 12h19.6m A24_06131 791 Ani UCAC4 455–059898 Diam = 107.0 m = 12.3 m = 13.9  Dur = 9.7s Dmag = 1.8 Sun: 145° Moon: 43°	2024 jun 20 13h 5.4m A24_06126 754 Malabar UCAC4 509–097543 Diam = 89.1 m = 12.3 m = 14.2  Dur = 7.6s Dmag = 2.0 Sun: 141° Moon: 53°	2024 jun 20 15h28.4m A24_06134 830 Petropolitana TYC 6819–03661–1 Diam = 47.1 m = 10.2 m = 14.0  Dur = 3.6s Dmag = 3.9 Sun: 167° Moon: 6°	2024 jun 23 13h35.8m A24_06169 1256 Normannia UCAC5 378–158352 Diam = 78.0 m = 12.5 m = 15.3  Dur = 8.7s Dmag = 2.9 Sun: 147° Moon: 16°
2024 jun 23 20h33.4m A24_06077 410 Chloris TYC 5263–00597–1 Diam = 128.0 m = 11.2 m = 12.7  Dur = 8.6s Dmag = 1.8 Sun: 96° Moon: 60°	2024 jun 24 12h13.3m A24_06085 454 Mathesis TYC 7361–00013–1 Diam = 84.5 m = 10.4 m = 12.4  Dur = 9.5s Dmag = 2.2 Sun: 164° Moon: 45°	2024 jun 26 18h20.0m B24_06001 5145 Pholus UCAC4 383–114687 Diam = 166.0 m = 14.8 m = 21.8  Dur = 6.4s Dmag = 6.9 Sun: 169° Moon: 59°	2024 jun 26 20h27.9m A24_06076 408 Fama UCAC4 437–116793 Diam = 45.0 m = 11.8 m = 14.8  Dur = 6.7s Dmag = 3.1 Sun: 114° Moon: 8°
2024 jun 28 14h44.6m A24_06112 655 Briseïs TYC 5599–00163–1 Diam = 50.1 m = 11.6 m = 14.8  Dur = 8.0s Dmag = 3.3 Sun: 134° Moon: 130°	2024 jun 28 14h46.8m A24_06155 1036 Ganymed UCAC4 642–070328 Diam = 41.0 m = 12.5 m = 11.0  Dur = 3.2s Dmag = 0.2 Sun: 116° Moon: 74°	2024 jun 30 17h43.2m A24_06156 1036 Ganymed UCAC4 648–072467 Diam = 41.0 m = 12.1 m = 11.0  Dur = 3.3s Dmag = 0.3 Sun: 116° Moon: 86°	2024 jul 1 12h24.3m A24_07040 78 Diana TYC 0259–01026–1 Diam = 116.0 m = 11.3 m = 13.1  Dur = 3.3s Dmag = 2.0 Sun: 58° Moon: 115°
2024 jul 4 13h 1.8m A24_07072 308 Polyxo TYC 6248–00387–1 Diam = 148.0 m = 11.4 m = 11.9  Dur = 15.5s Dmag = 1.0 Sun: 161° Moon: 168°	2024 jul 4 17h52.3m A24_07160 1036 Ganymed UCAC4 658–075428 Diam = 41.0 m = 12.5 m = 10.9  Dur = 3.6s Dmag = 0.2 Sun: 115° Moon: 106°	2024 jul 6 13h17.1m A24_07076 333 Badenia UCAC4 311–242969 Diam = 81.5 m = 11.6 m = 13.7  Dur = 6.6s Dmag = 2.2 Sun: 174° Moon: 172°	2024 jul 7 13h57.3m A24_07139 746 Marlu UCAC4 224–095649 Diam = 75.5 m = 11.7 m = 14.2  Dur = 13.8s Dmag = 2.6 Sun: 131° Moon: 117°

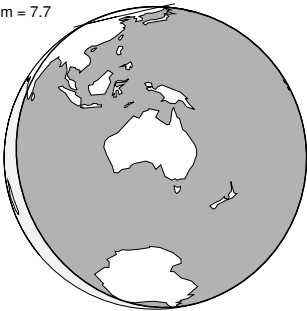
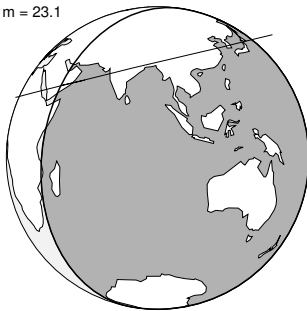
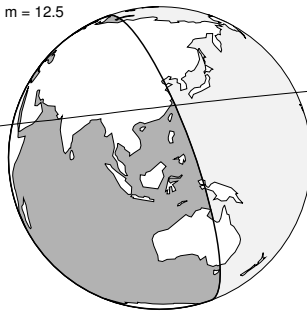
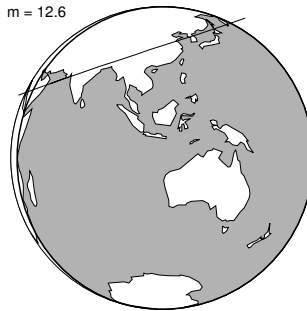
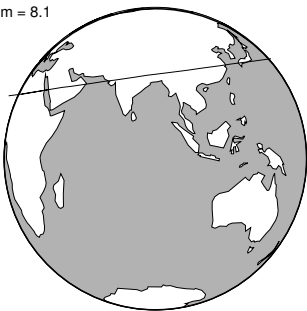
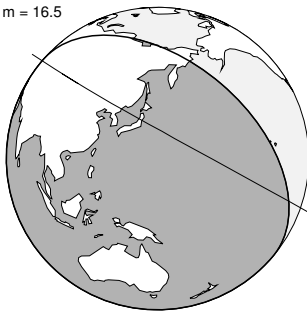
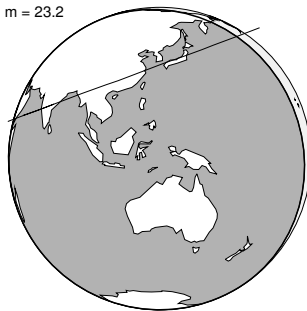
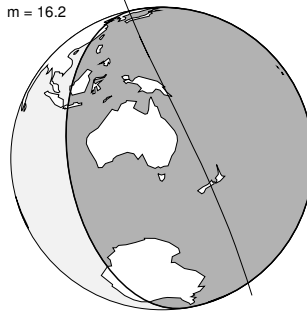
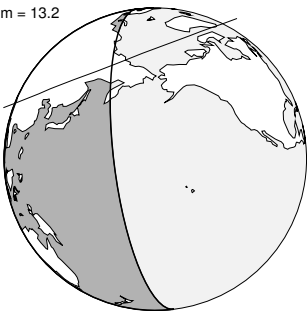
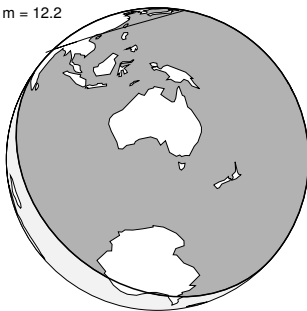
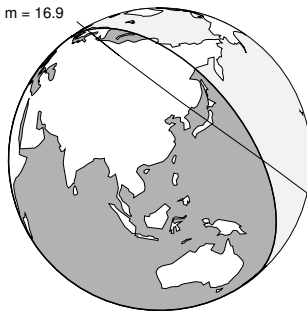
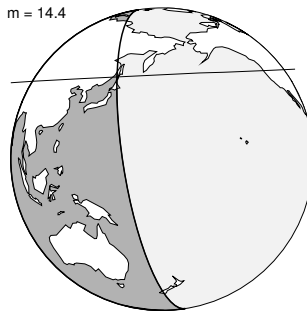
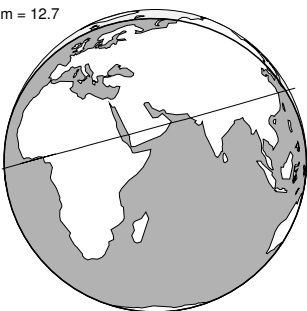
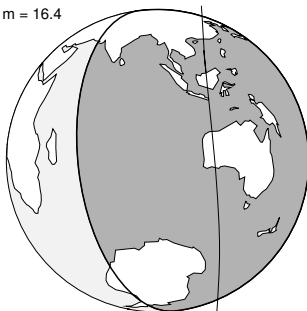
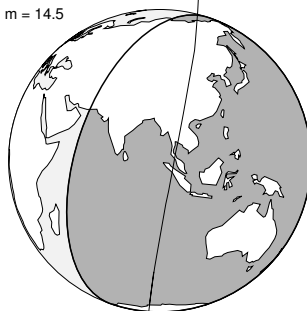
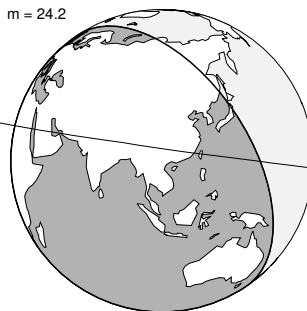
Occultations by major and minor planets – 2024

Region 7

2024 jul 7 15h41.5m A24_07162 1036 Ganymed TYC 3143–00663–1 Diam = 41.0 m = 10.8  Dur = 3.8s Dmag = 0.8 Sun: 114° Moon: 112°	2024 jul 9 12h 6.9m A24_07118 571 Dulcinea UCAC4 313–084637 Diam = 44.0 m = 11.4 m = 16.0  Dur = 7.8s Dmag = 4.6 Sun: 133° Moon: 93°	2024 jul 14 17h 6.2m A24_07103 439 Ohio UCAC5 459–064775 Diam = 79.3 m = 15.1  Dur = 7.3s Dmag = 2.7 Sun: 142° Moon: 58°	2024 jul 15 13h43.0m A24_07116 566 Stereoskopia PPMX 12731369 Diam = 175.0 m = 12.5 m = 13.0  Dur = 14.0s Dmag = 1.0 Sun: 164° Moon: 57°
2024 jul 15 13h58.5m A24_07023 42 Isis TYC 6855–01856–1 Diam = 107.0 m = 9.7  Dur = 17.2s Dmag = 0.2 Sun: 159° Moon: 52°	2024 jul 15 15h52.8m A24_07140 754 Malabar TYC 1029–00497–1 Diam = 89.1 m = 11.1 m = 14.1  Dur = 6.7s Dmag = 3.1 Sun: 144° Moon: 68°	2024 jul 16 12h30.0m A24_07097 406 Erna UCAC4 314–122705 Diam = 53.8 m = 12.1 m = 14.3  Dur = 6.0s Dmag = 2.4 Sun: 155° Moon: 37°	2024 jul 17 11h36.6m A24_07095 404 Arsinoë UCAC4 469–047360 Diam = 101.0 m = 12.0 m = 13.3  Dur = 3.9s Dmag = 1.6 Sun: 81° Moon: 51°
2024 jul 17 17h44.3m A24_07195 12444 Prothoon UCAC4 562–000459 Diam = 42.1 m = 12.2 m = 17.6  Dur = 8.1s Dmag = 5.5 Sun: 102° Moon: 123°	2024 jul 17 19h52.6m A24_07128 654 Zelinda Gaia 078–0222716 Diam = 132.0 m = 12.3 m = 12.3  Dur = 8.8s Dmag = 0.8 Sun: 171° Moon: 48°	2024 jul 18 16h59.0m A24_07079 333 Badenia TYC 6868–00534–1 Diam = 81.5 m = 11.6 m = 13.9  Dur = 7.1s Dmag = 2.5 Sun: 164° Moon: 20°	2024 jul 21 14h12.5m A24_07065 266 Aline UCAC4 477–124638 Diam = 113.0 m = 12.4 m = 12.8  Dur = 12.5s Dmag = 0.9 Sun: 149° Moon: 33°
2024 jul 22 12h49.6m A24_07151 874 Rotraut TYC 5125–00031–1 Diam = 58.3 m = 11.7 m = 14.7  Dur = 5.2s Dmag = 3.0 Sun: 155° Moon: 39°	2024 jul 25 11h29.2m A24_07104 439 Ohio TYC 0414–01597–1 Diam = 79.3 m = 10.5 m = 15.2  Dur = 9.1s Dmag = 4.8 Sun: 134° Moon: 95°	2024 jul 26 11h 0.9m A24_07004 1 Ceres UCAC4 298–218899 Diam = 952.5 m = 12.5 m = 7.7  Dur = 93.3s Dmag = 0.0 Sun: 155° Moon: 92°	2024 jul 26 11h 4.3m A24_07026 42 Isis UCAC5 301–174733 Diam = 107.0 m = 12.1 m = 9.9  Dur = 26.5s Dmag = 0.1 Sun: 147° Moon: 100°

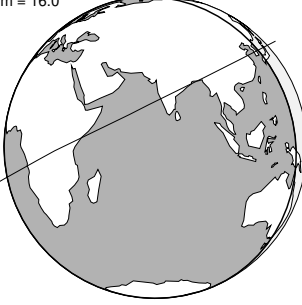
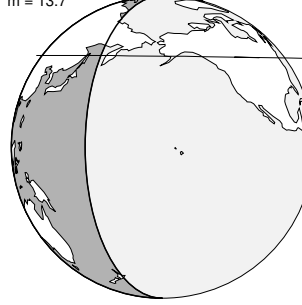
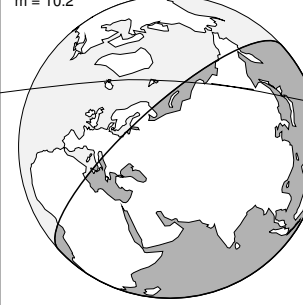
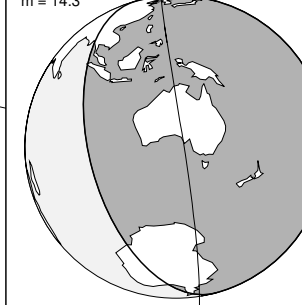
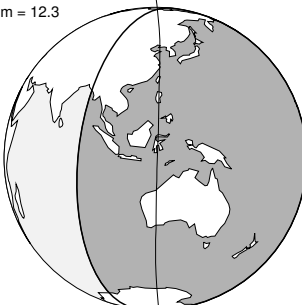
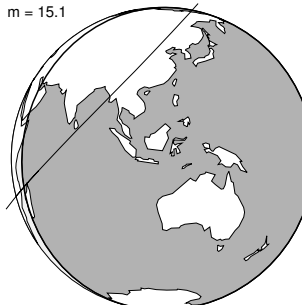
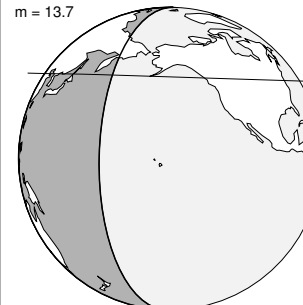
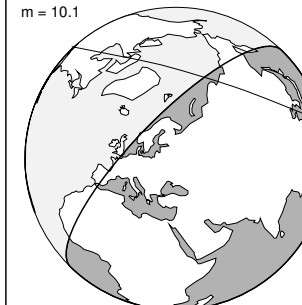
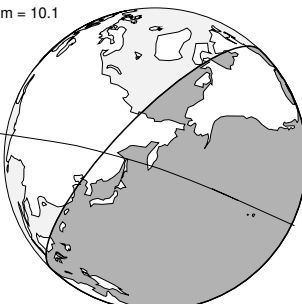
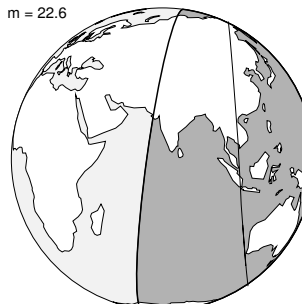
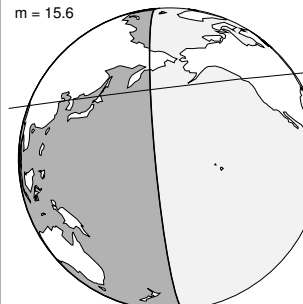
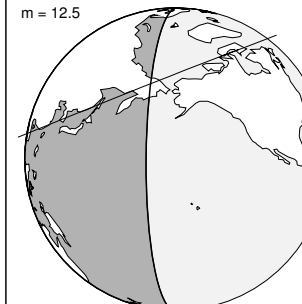
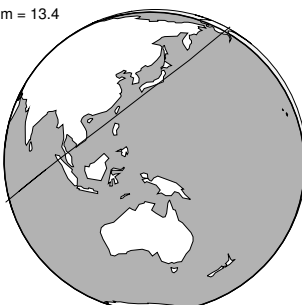
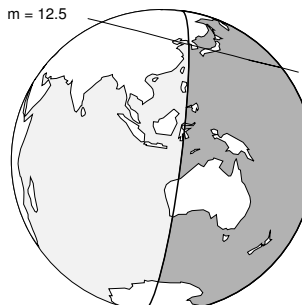
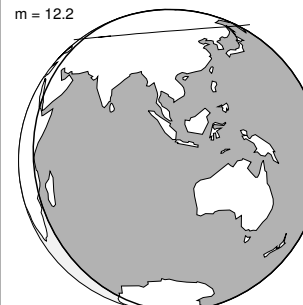
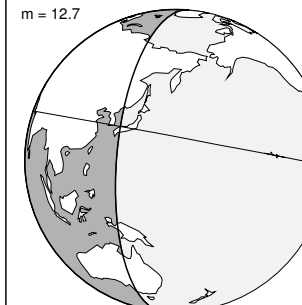
Occultations by major and minor planets – 2024

Region 7

2024 jul 26 13h26.6m A24_07003 1 Ceres TYC 7408–01003–1 Diam = 952.5 m = 11.7 m = 7.7  Dur = 93.5s Dmag = 0.0 Sun: 155° Moon: 93°	2024 aug 1 15h 8.9m A24_08174 2012HW87 UCAC4 375–108729 Diam = 125.9 m = 12.2 m = 23.1  Dur = 7.5s Dmag = 10.9 Sun: 139° Moon: 165°	2024 aug 3 21h14.1m A24_08058 201 Penelope TYC 0622–00690–1 Diam = 70.5 m = 11.2 m = 12.5  Dur = 5.8s Dmag = 1.6 Sun: 102° Moon: 96°	2024 aug 4 15h25.3m A24_08037 114 Kassandra UCAC4 371–174057 Diam = 103.0 m = 11.6 m = 12.6  Dur = 8.6s Dmag = 1.3 Sun: 163° Moon: 160°
2024 aug 5 18h 5.2m A24_08002 7 Iris UCAC4 407–132993 Diam = 329.6 m = 11.8 m = 8.1  Dur = 34.0s Dmag = 0.0 Sun: 171° Moon: 163°	2024 aug 9 16h14.5m A24_08169 5120 Bitias HIP 115371 Diam = 52.5 m = 7.0 m = 16.5  Dur = 3.9s Dmag = 9.5 Sun: 130° Moon: 152°	2024 aug 12 16h42.7m B24_08007 385445 2003QH91 UCAC4 424–132631 Diam = 190.5 m = 14.2 m = 23.2  Dur = 8.1s Dmag = 9.0 Sun: 160° Moon: 109°	2024 aug 13 10h45.7m A24_08156 1721 Wells UCAC4 276–149352 Diam = 44.3 m = 11.7 m = 16.2  Dur = 5.4s Dmag = 4.6 Sun: 128° Moon: 31°
2024 aug 13 18h 7.2m A24_08027 54 Alexandra UCAC4 614–012817 Diam = 171.0 m = 12.2 m = 13.2  Dur = 7.4s Dmag = 1.4 Sun: 74° Moon: 172°	2024 aug 18 13h41.2m A24_08127 751 Faina TYC 7953–01321–1 Diam = 115.0 m = 12.2 m = 12.2  Dur = 15.1s Dmag = 0.7 Sun: 146° Moon: 19°	2024 aug 18 19h 7.0m A24_08168 4867 Polites TYC 1738–00457–1 Diam = 55.0 m = 11.1 m = 16.9  Dur = 4.2s Dmag = 5.8 Sun: 125° Moon: 68°	2024 aug 19 19h40.7m A24_08061 213 Lilaea UCAC4 531–009709 Diam = 84.6 m = 11.3 m = 14.4  Dur = 3.8s Dmag = 3.2 Sun: 75° Moon: 104°
2024 aug 19 20h41.1m A24_08090 405 Thia TYC 0564–00685–1 Diam = 129.0 m = 11.9 m = 12.7  Dur = 9.7s Dmag = 1.2 Sun: 159° Moon: 22°	2024 aug 20 13h46.3m A24_08157 1721 Wells UCAC4 279–150421 Diam = 44.3 m = 12.3 m = 16.4  Dur = 5.8s Dmag = 4.1 Sun: 121° Moon: 69°	2024 aug 21 14h12.6m A24_08129 754 Malabar UCAC4 481–083136 Diam = 89.1 m = 11.5 m = 14.5  Dur = 7.3s Dmag = 3.0 Sun: 123° Moon: 78°	2024 aug 21 19h59.1m A24_08172 2003QX91 TYC 1195–02403–1 Diam = 84.7 m = 10.1 m = 24.2  Dur = 5.5s Dmag = 14.1 Sun: 125° Moon: 29°

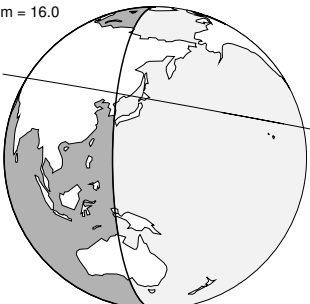
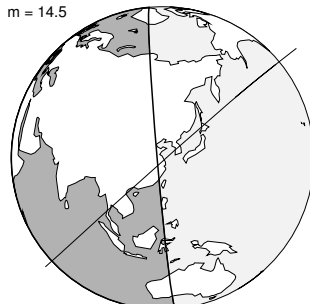
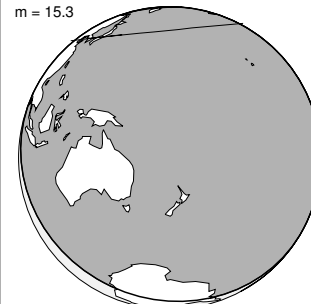
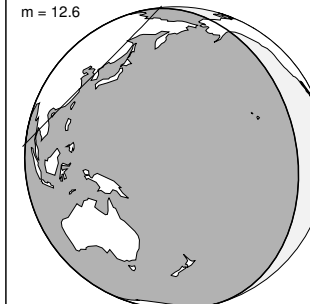
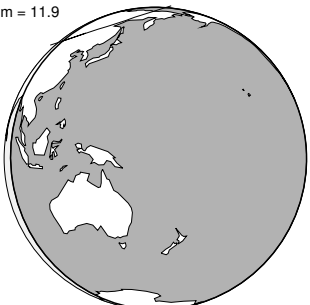
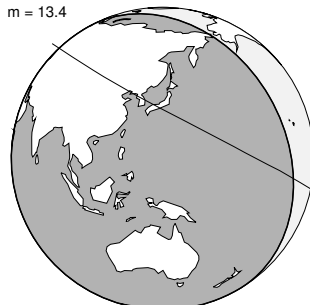
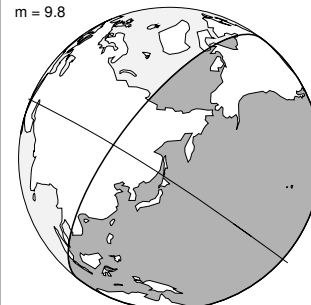
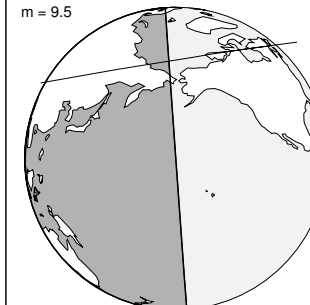
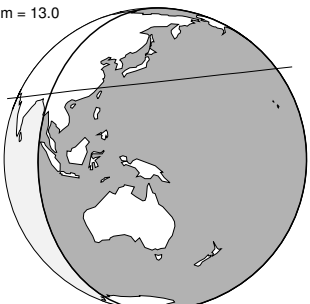
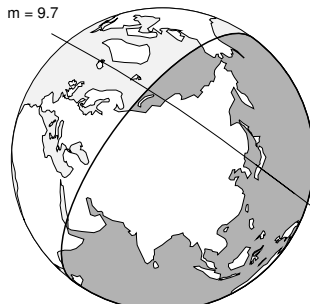
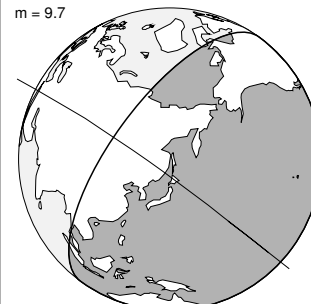
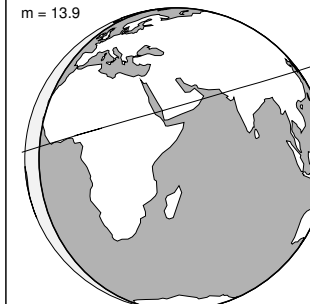
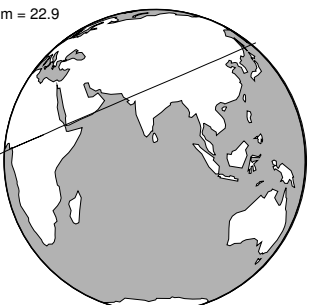
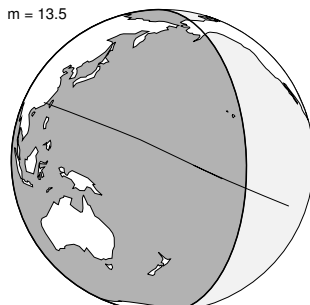
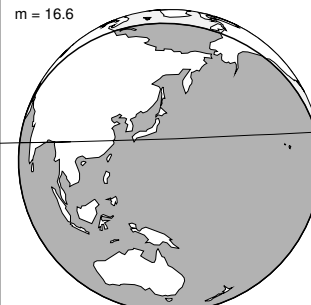
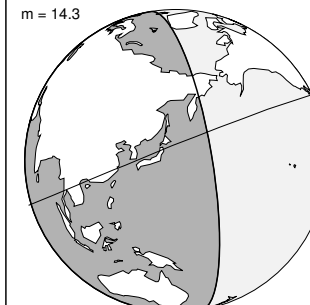
Occultations by major and minor planets – 2024

Region 7

2024 aug 22 20h41.4m A24_08163 2394 Nadeev UCAC4 429–119401 Diam = 56.0 m = 12.2 m = 16.0  Dur = 5.9s Dmag = 3.8 Sun: 157° Moon: 20°	2024 aug 23 18h51.1m A24_08065 240 Vanadis TYC 1325–00632–1 Diam = 108.0 m = 10.6 m = 13.7  Dur = 3.1s Dmag = 3.1 Sun: 59° Moon: 65°	2024 aug 25 17h40.8m A24_08140 1036 Ganymed UCAC4 728–062398 Diam = 41.0 m = 12.5 m = 10.2  Dur = 13.7s Dmag = 0.1 Sun: 105° Moon: 86°	2024 aug 28 11h41.4m A24_08150 1241 Dysona UCAC4 269–174847 Diam = 86.2 m = 11.2 m = 14.3  Dur = 7.8s Dmag = 3.2 Sun: 124° Moon: 167°
2024 aug 28 12h 1.6m A24_08040 130 Elektra UCAC5 412–071137 Diam = 189.0 m = 12.5 m = 12.3  Dur = 17.2s Dmag = 0.6 Sun: 120° Moon: 159°	2024 aug 29 14h49.8m A24_08144 1070 Tunica TYC 5204–01548–1 Diam = 40.0 m = 10.9 m = 15.1  Dur = 3.2s Dmag = 4.2 Sun: 158° Moon: 146°	2024 aug 29 17h53.5m A24_08066 240 Vanadis PPMX 6028633 Diam = 108.0 m = 12.1 m = 13.7  Dur = 3.2s Dmag = 1.8 Sun: 62° Moon: 15°	2024 aug 30 18h42.0m A24_08142 1036 Ganymed UCAC4 727–060077 Diam = 41.0 m = 12.4 m = 10.1  Dur = 10.0s Dmag = 0.1 Sun: 106° Moon: 100°
2024 aug 31 10h19.0m A24_08143 1036 Ganymed PPMX 1710997 Diam = 41.0 m = 12.2 m = 10.1  Dur = 9.6s Dmag = 0.2 Sun: 106° Moon: 101°	2024 sep 3 13h30.5m A24_09224 579062 2014KF113 TYC 0408–00078–1 Diam = 173.0 m = 11.4 m = 22.6  Dur = 12.1s Dmag = 11.2 Sun: 95° Moon: 90°	2024 sep 3 17h57.9m A24_09057 142 Polana UCAC4 574–013188 Diam = 57.0 m = 12.0 m = 15.6  Dur = 3.1s Dmag = 3.7 Sun: 84° Moon: 92°	2024 sep 4 17h33.0m A24_09016 36 Atalante HIP 25852 Diam = 109.0 m = 9.1 m = 12.5  Dur = 3.9s Dmag = 3.5 Sun: 78° Moon: 96°
2024 sep 5 15h27.9m A24_09130 611 Valeria TYC 0588–00453–1 Diam = 59.0 m = 12.0 m = 13.4  Dur = 4.7s Dmag = 1.7 Sun: 165° Moon: 164°	2024 sep 8 9h52.7m A24_09031 56 Melete TYC 5639–00060–1 Diam = 90.8 m = 10.8 m = 12.5  Dur = 3.8s Dmag = 1.8 Sun: 83° Moon: 28°	2024 sep 8 15h21.2m A24_09066 200 Dynamene UCAC4 380–164392 Diam = 132.0 m = 12.1 m = 12.2  Dur = 15.0s Dmag = 0.8 Sun: 153° Moon: 93°	2024 sep 8 20h52.0m A24_09133 675 Ludmilla TYC 1884–01668–1 Diam = 109.1 m = 10.1 m = 12.7  Dur = 3.6s Dmag = 2.7 Sun: 66° Moon: 130°

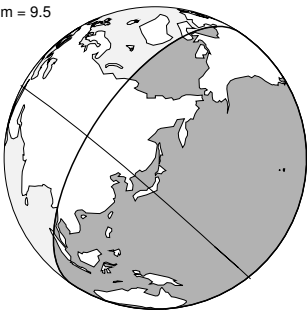
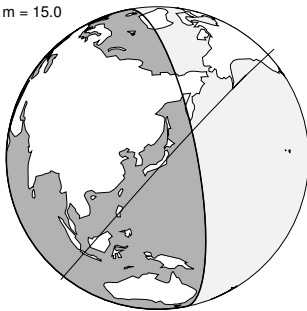
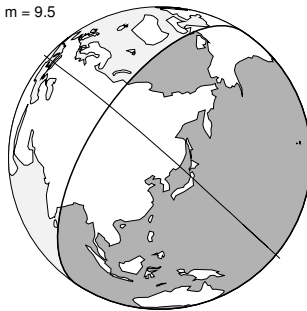
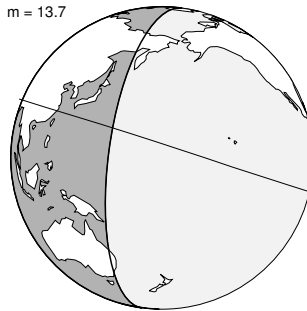
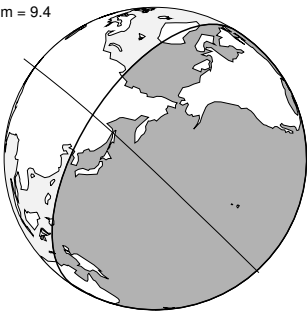
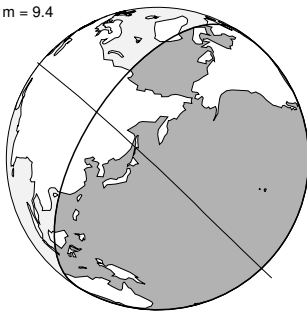
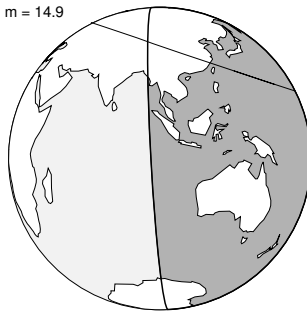
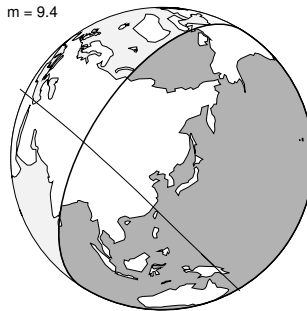
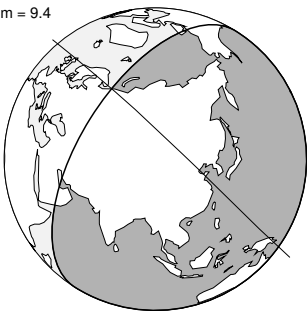
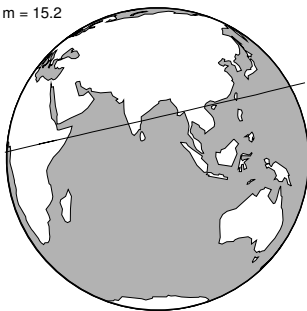
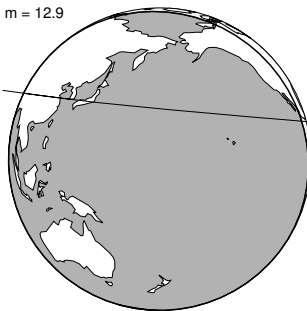
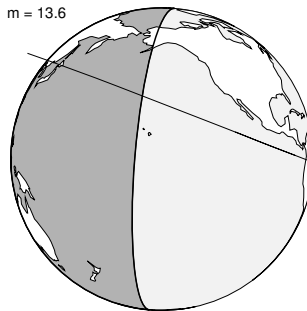
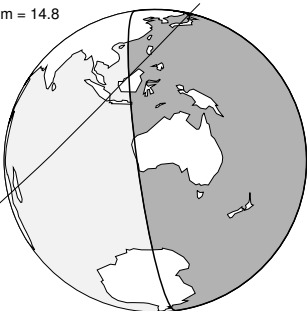
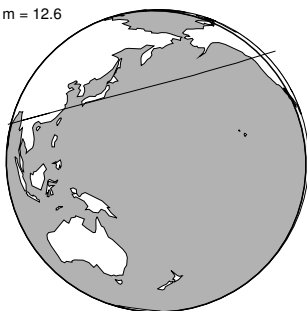
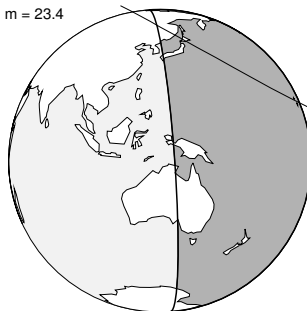
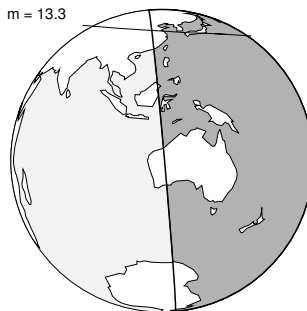
Occultations by major and minor planets – 2024

Region 7

2024 sep 8 21h 6.2m A24_09097 368 Haidea TYC 1322–01391–1 Diam = 74.0 m = 9.1 m = 16.0  Dur = 3.3s Dmag = 6.9 Sun: 73° Moon: 136°	2024 sep 8 21h51.3m A24_09088 326 Tamara UCAC4 618–019498 Diam = 100.0 m = 12.1 m = 14.5  Dur = 5.5s Dmag = 2.6 Sun: 87° Moon: 151°	2024 sep 9 12h 2.0m A24_09222 3171 Wang Shouguan TYC 6963–00486–1 Diam = 47.3 m = 11.7 m = 15.3  Dur = 4.0s Dmag = 3.7 Sun: 158° Moon: 93°	2024 sep 10 15h 3.5m A24_09046 107 Camilla TYC 0032–00518–1 Diam = 237.0 m = 8.9 m = 12.6  Dur = 25.7s Dmag = 3.8 Sun: 142° Moon: 133°
2024 sep 11 11h55.9m A24_09118 554 Peraga TYC 5231–00297–1 Diam = 98.5 m = 11.3 m = 11.9  Dur = 11.1s Dmag = 1.1 Sun: 163° Moon: 71°	2024 sep 11 16h46.2m A24_09205 1242 Zambesia UCAC4 523–002304 Diam = 49.2 m = 11.6 m = 13.4  Dur = 8.2s Dmag = 2.0 Sun: 144° Moon: 120°	2024 sep 13 11h 1.9m A24_09170 1036 Ganymed UCAC4 715–069154 Diam = 41.0 m = 12.0 m = 9.8  Dur = 5.2s Dmag = 0.1 Sun: 110° Moon: 81°	2024 sep 13 17h 8.7m A24_09009 15 Eunomia TYC 2398–00683–1 Diam = 272.0 m = 11.1 m = 9.5  Dur = 15.0s Dmag = 0.2 Sun: 89° Moon: 150°
2024 sep 15 11h38.3m A24_09156 925 Alphonsina TYC 5179–02098–1 Diam = 57.0 m = 10.8 m = 13.0  Dur = 6.8s Dmag = 2.3 Sun: 140° Moon: 19°	2024 sep 15 15h 9.3m A24_09171 1036 Ganymed UCAC4 711–073532 Diam = 41.0 m = 11.3 m = 9.7  Dur = 4.8s Dmag = 0.2 Sun: 111° Moon: 73°	2024 sep 17 11h19.4m A24_09175 1036 Ganymed UCAC4 708–076633 Diam = 41.0 m = 11.8 m = 9.7  Dur = 4.5s Dmag = 0.1 Sun: 112° Moon: 68°	2024 sep 17 19h 1.7m A24_09102 408 Fama TYC 5224–00071–1 Diam = 45.0 m = 9.1 m = 13.9  Dur = 4.6s Dmag = 4.8 Sun: 155° Moon: 22°
2024 sep 18 18h59.9m B24_09002 385446 Manwë UCAC4 445–000300 Diam = 202.3 m = 14.6 m = 22.9  Dur = 8.1s Dmag = 8.3 Sun: 172° Moon: 4°	2024 sep 21 15h59.3m A24_09126 593 Titania UCAC5 464–004995 Diam = 78.2 m = 12.5 m = 13.5  Dur = 42.9s Dmag = 1.4 Sun: 123° Moon: 21°	2024 sep 22 14h24.3m A24_09223 4867 Polites TYC 1730–01246–1 Diam = 55.0 m = 11.0 m = 16.6  Dur = 3.0s Dmag = 5.5 Sun: 154° Moon: 49°	2024 sep 23 18h52.9m A24_09207 1284 Latvia TYC 2399–01414–1 Diam = 40.2 m = 10.5 m = 14.3  Dur = 3.3s Dmag = 3.9 Sun: 103° Moon: 8°

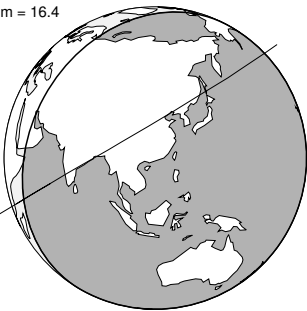
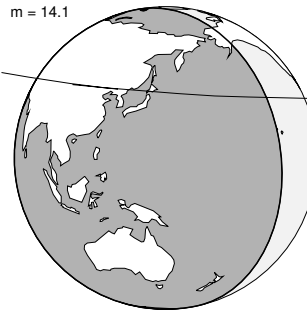
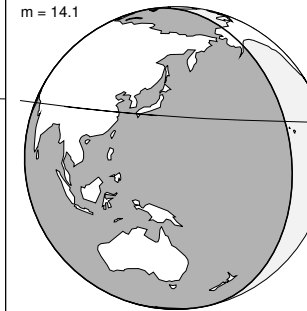
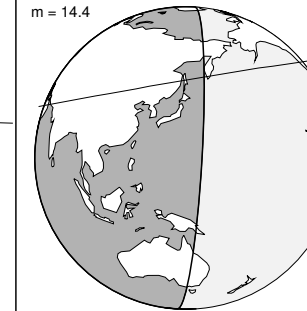
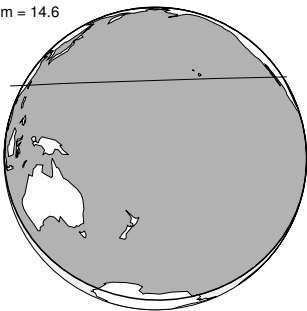
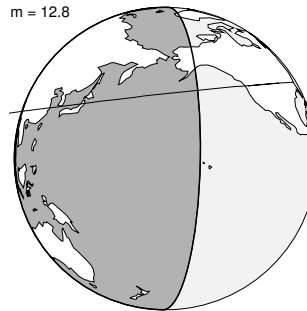
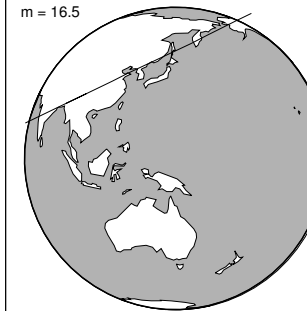
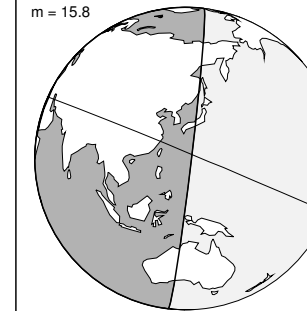
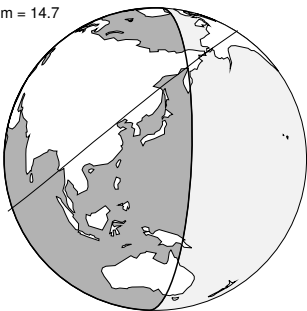
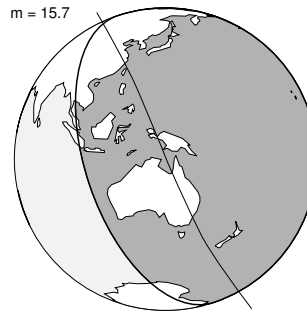
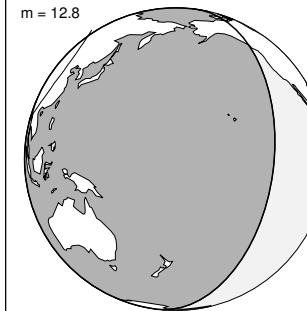
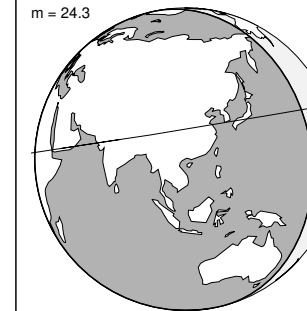
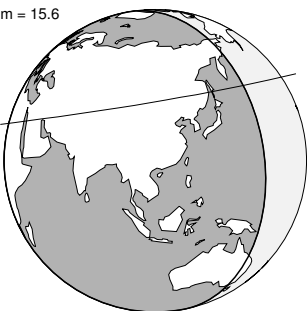
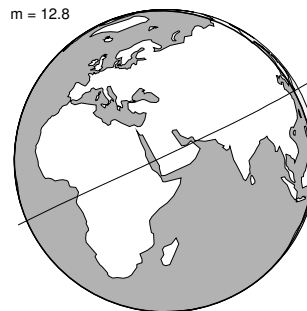
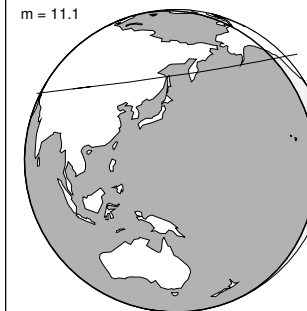
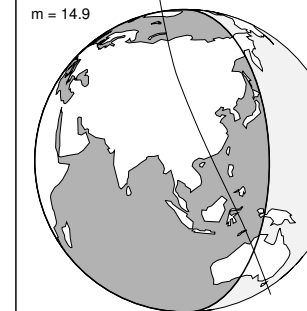
Occultations by major and minor planets – 2024

Region 7

2024 sep 24 11h21.5m A24_09182 1036 Ganymed UCAC4 691–085499 Diam = 41.0 m = 12.2 m = 9.5  Dur = 3.6s Dmag = 0.1 Sun: 117° Moon: 93°	2024 sep 24 19h31.4m A24_09116 493 Griseldis UCAC4 641–020596 Diam = 52.0 m = 15.0  Dur = 4.0s Dmag = 3.0 Sun: 105° Moon: 19°	2024 sep 25 12h22.4m A24_09183 1036 Ganymed PPMX 2569742 Diam = 41.0 m = 12.4 m = 9.5  Dur = 3.5s Dmag = 0.1 Sun: 118° Moon: 99°	2024 sep 25 19h45.1m A24_09071 233 Asterope UCAC5 530–041180 Diam = 108.0 m = 12.5 m = 13.7  Dur = 4.1s Dmag = 1.5 Sun: 69° Moon: 14°
2024 sep 28 9h26.3m A24_09188 1036 Ganymed UCAC5 679–095238 Diam = 41.0 m = 12.4 m = 9.4  Dur = 3.3s Dmag = 0.1 Sun: 120° Moon: 115°	2024 sep 28 10h20.7m A24_09189 1036 Ganymed UCAC4 678–101165 Diam = 41.0 m = 11.6 m = 9.4  Dur = 3.3s Dmag = 0.1 Sun: 120° Moon: 115°	2024 sep 28 11h33.0m A24_09125 589 Croatia UCAC4 385–112087 Diam = 92.5 m = 12.4 m = 14.9  Dur = 6.0s Dmag = 2.6 Sun: 93° Moon: 138°	2024 sep 28 12h27.6m A24_09190 1036 Ganymed UCAC4 678–101403 Diam = 41.0 m = 10.8 m = 9.4  Dur = 3.3s Dmag = 0.3 Sun: 120° Moon: 116°
2024 sep 28 14h18.8m A24_09191 1036 Ganymed UCAC4 678–101567 Diam = 41.0 m = 12.3 m = 9.4  Dur = 3.3s Dmag = 0.1 Sun: 120° Moon: 116°	2024 sep 28 17h47.9m A24_09082 280 Philia TYC 4663–00293–1 Diam = 48.0 m = 11.5 m = 15.2  Dur = 3.8s Dmag = 3.7 Sun: 174° Moon: 141°	2024 sep 29 13h 0.6m A24_09206 1242 Zambesia PPMX 5820168 Diam = 49.2 m = 12.0 m = 12.9  Dur = 5.7s Dmag = 1.3 Sun: 163° Moon: 129°	2024 sep 29 16h36.1m A24_09074 238 Hypatia TYC 0753–00734–1 Diam = 156.0 m = 12.4 m = 13.6  Dur = 7.0s Dmag = 1.5 Sun: 79° Moon: 48°
2024 sep 30 10h16.0m A24_09204 1241 Dysona Gaia 060–0352208 Diam = 86.2 m = 12.2 m = 14.8  Dur = 5.1s Dmag = 2.7 Sun: 96° Moon: 122°	2024 oct 4 13h26.8m A24_10052 203 Pompeja UCAC4 510–002147 Diam = 120.0 m = 12.1 m = 12.6  Dur = 11.7s Dmag = 1.1 Sun: 166° Moon: 174°	2024 oct 5 8h50.5m B24_10002 136120 2003LG7 UCAC5 400–077315 Diam = 139.3 m = 14.7 m = 23.4  Dur = 13.7s Dmag = 8.7 Sun: 84° Moon: 58°	2024 oct 5 9h55.1m A24_10091 487 Venetia UCAC5 327–157816 Diam = 64.0 m = 12.4 m = 13.3  Dur = 3.7s Dmag = 1.3 Sun: 89° Moon: 61°

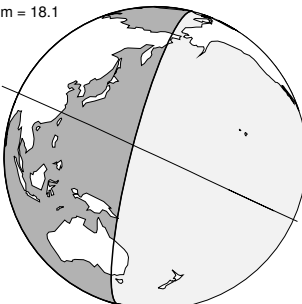
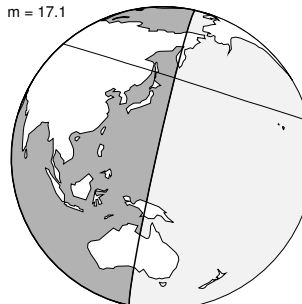
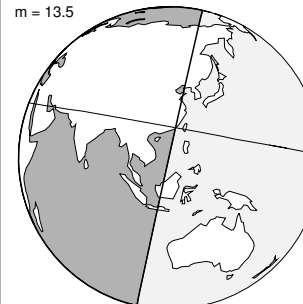
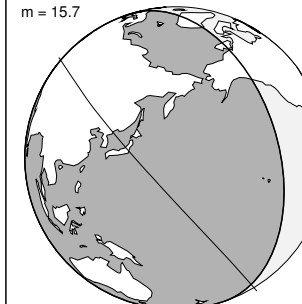
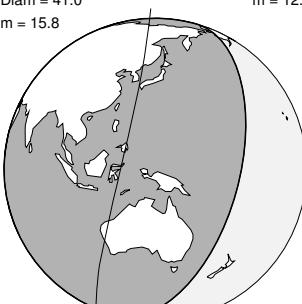
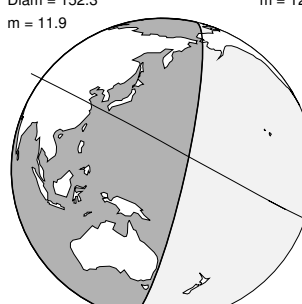
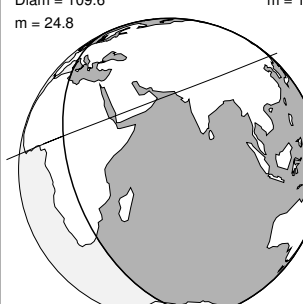
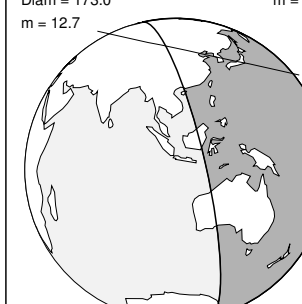
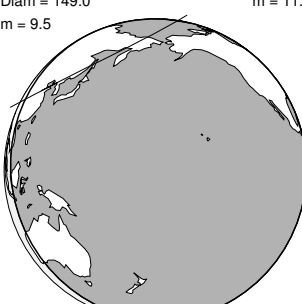
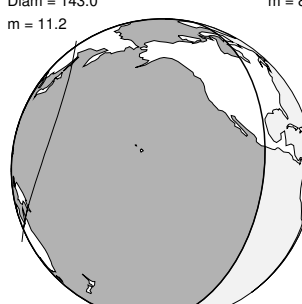
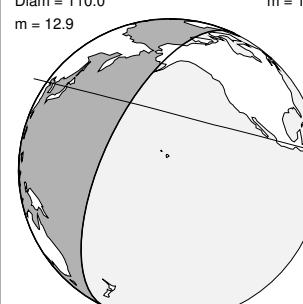
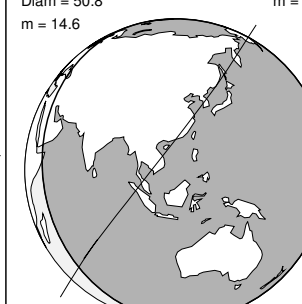
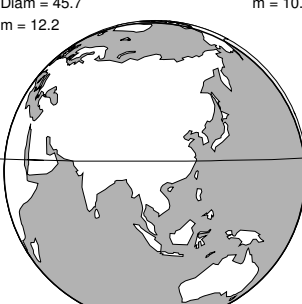
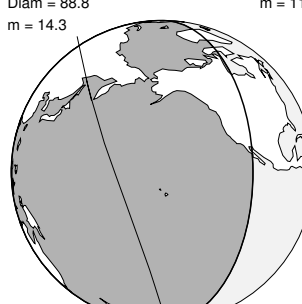
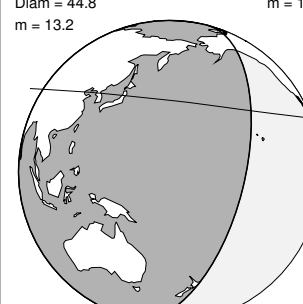
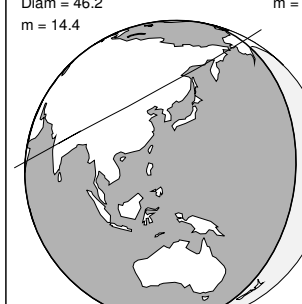
Occultations by major and minor planets – 2024

Region 7

2024 oct 5 14h22.0m A24_10163 5120 Bitias TYC 2221–00627–1 Diam = 52.5 m = 10.1 m = 16.4  Dur = 3.7s Dmag = 6.3 Sun: 147° Moon: 127°	2024 oct 5 16h29.1m A24_10120 959 Arne UCAC5 532–005659 Diam = 59.1 m = 11.9 m = 14.1  Dur = 19.3s Dmag = 2.3 Sun: 139° Moon: 169°	2024 oct 5 16h35.6m A24_10121 959 Arne Gaia 107–0012372 Diam = 59.1 m = 12.1 m = 14.1  Dur = 19.3s Dmag = 2.2 Sun: 139° Moon: 169°	2024 oct 5 19h56.3m A24_10108 691 Lehigh UCAC4 550–027999 Diam = 92.6 m = 12.2 m = 14.4  Dur = 7.0s Dmag = 2.4 Sun: 96° Moon: 129°
2024 oct 7 11h11.8m A24_10102 617 Patroclus TYC 5271–01584–1 Diam = 149.0 m = 11.6 m = 14.6  Dur = 9.3s Dmag = 3.0 Sun: 159° Moon: 115°	2024 oct 8 16h34.9m A24_10040 116 Sirona UCAC4 570–025088 Diam = 75.5 m = 11.3 m = 12.8  Dur = 7.1s Dmag = 1.8 Sun: 103° Moon: 168°	2024 oct 10 14h40.8m A24_10152 2246 Bowell TYC 0031–01157–1 Diam = 52.1 m = 10.2 m = 16.5  Dur = 3.3s Dmag = 6.4 Sun: 171° Moon: 98°	2024 oct 10 21h 1.2m A24_10136 1149 Volga TYC 1357–02366–1 Diam = 57.3 m = 11.4 m = 15.8  Dur = 3.8s Dmag = 4.5 Sun: 92° Moon: 173°
2024 oct 13 19h54.1m A24_10142 1303 Luthera TYC 1887–00457–1 Diam = 88.8 m = 10.3 m = 14.7  Dur = 8.6s Dmag = 4.5 Sun: 103° Moon: 127°	2024 oct 15 10h54.2m A24_10150 1754 Cunningham PPMX 10848038 Diam = 82.6 m = 11.6 m = 15.7  Dur = 20.9s Dmag = 4.1 Sun: 122° Moon: 29°	2024 oct 15 15h 4.9m A24_10020 41 Daphne UCAC4 474–007212 Diam = 182.0 m = 12.1 m = 12.8  Dur = 17.7s Dmag = 1.2 Sun: 130° Moon: 74°	2024 oct 19 18h47.0m B24_10012 2015VD170 UCAC5 557–007703 Diam = 158.5 m = 14.6 m = 24.3  Dur = 7.5s Dmag = 9.7 Sun: 145° Moon: 4°
2024 oct 19 19h29.4m A24_10135 1109 Tata UCAC4 573–011668 Diam = 69.5 m = 12.1 m = 15.6  Dur = 9.8s Dmag = 3.6 Sun: 135° Moon: 11°	2024 oct 19 21h36.5m A24_10070 336 Lacadiera TYC 1219–00470–1 Diam = 72.0 m = 10.9 m = 12.8  Dur = 6.7s Dmag = 2.1 Sun: 164° Moon: 19°	2024 oct 20 15h26.6m A24_10017 33 Polyhymnia TYC 1228–00304–1 Diam = 81.3 m = 10.5 m = 11.1  Dur = 12.2s Dmag = 1.1 Sun: 156° Moon: 21°	2024 oct 20 20h44.2m A24_10122 977 Philippa UCAC4 555–016939 Diam = 67.0 m = 12.4 m = 14.9  Dur = 18.1s Dmag = 2.6 Sun: 123° Moon: 12°

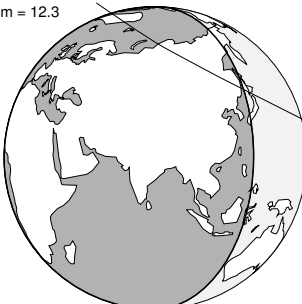
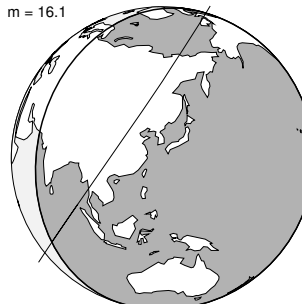
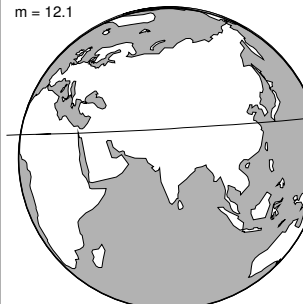
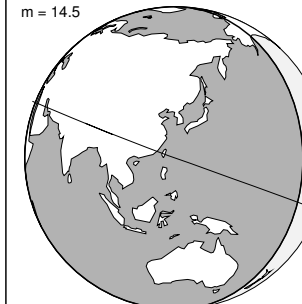
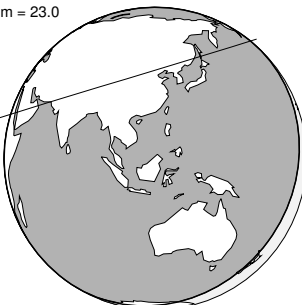
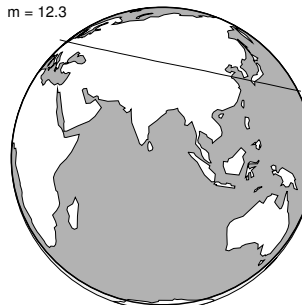
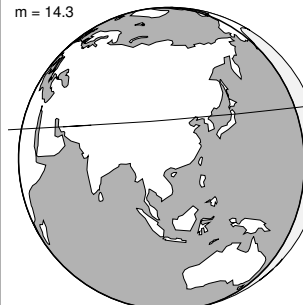
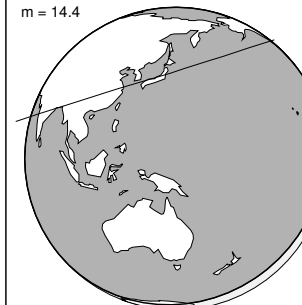
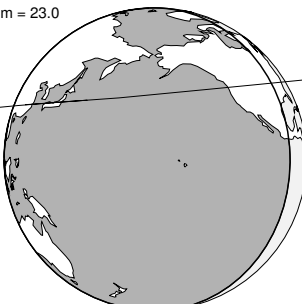
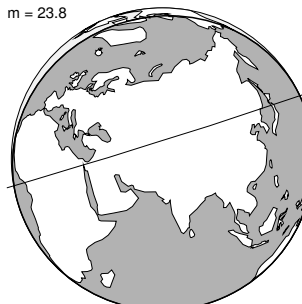
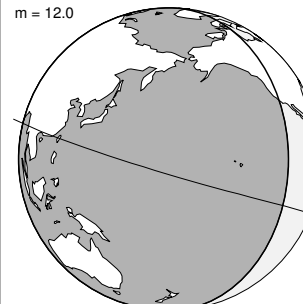
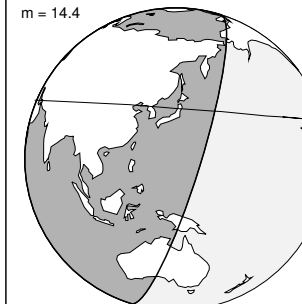
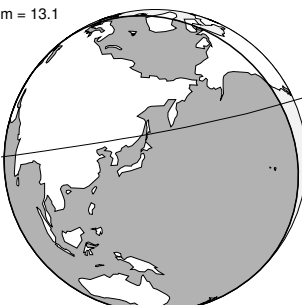
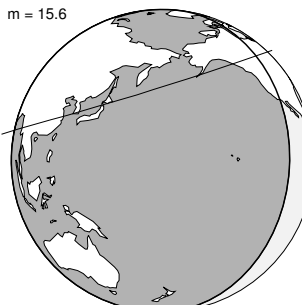
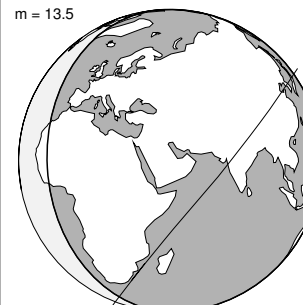
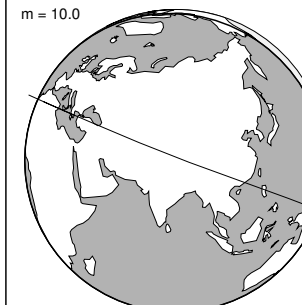
Occultations by major and minor planets – 2024

Region 7

2024 oct 22 19h34.8m A24_10148 1647 Menelaus TYC 0809–01150–1 Diam = 72.0 m = 11.3 m = 18.1  Dur = 4.1s Dmag = 6.9 Sun: 80° Moon: 29°	2024 oct 22 20h21.0m A24_10153 2311 El Leoncito TYC 0806–00264–1 Diam = 61.0 m = 9.8 m = 17.1  Dur = 4.0s Dmag = 7.2 Sun: 87° Moon: 23°	2024 oct 24 22h17.5m A24_10080 387 Aquitania TYC 0789–01771–1 Diam = 106.0 m = 11.3 m = 13.5  Dur = 8.5s Dmag = 2.4 Sun: 89° Moon: 14°	2024 oct 25 15h52.2m A24_10149 1678 Hveen UCAC4 631–021802 Diam = 45.2 m = 12.4 m = 15.7  Dur = 7.7s Dmag = 3.3 Sun: 132° Moon: 59°
2024 oct 25 18h16.5m A24_10144 1337 Gerarda UCAC4 447–011260 Diam = 41.0 m = 12.3 m = 15.8  Dur = 5.4s Dmag = 3.5 Sun: 123° Moon: 59°	2024 oct 29 18h54.3m A24_10026 51 Nemausa UCAC4 496–047921 Diam = 152.3 m = 12.5 m = 11.9  Dur = 11.2s Dmag = 0.5 Sun: 98° Moon: 70°	2024 oct 30 16h17.8m B24_10008 2001OO108 UCAC4 421–142323 Diam = 109.6 m = 12.8 m = 24.8  Dur = 7.5s Dmag = 12.0 Sun: 129° Moon: 150°	2024 nov 1 10h 1.1m A24_11076 386 Siegena UCAC5 394–110488 Diam = 173.0 m = 12.4 m = 12.7  Dur = 7.1s Dmag = 0.9 Sun: 78° Moon: 80°
2024 nov 1 10h23.0m A24_11008 19 Fortuna UCAC4 492–001895 Diam = 149.0 m = 11.3 m = 9.5  Dur = 23.4s Dmag = 0.2 Sun: 161° Moon: 163°	2024 nov 1 12h49.6m A24_11021 69 Hesperia TYC 0723–00124–1 Diam = 143.0 m = 8.7 m = 11.2  Dur = 30.7s Dmag = 2.7 Sun: 131° Moon: 131°	2024 nov 2 18h13.7m A24_11073 346 Hermentaria TYC 0852–00079–1 Diam = 110.0 m = 10.2 m = 12.9  Dur = 3.8s Dmag = 2.8 Sun: 63° Moon: 77°	2024 nov 3 14h13.7m A24_11154 2393 Suzuki TYC 0606–00912–1 Diam = 50.8 m = 11.4 m = 14.6  Dur = 6.0s Dmag = 3.3 Sun: 151° Moon: 129°
2024 nov 4 17h21.1m A24_11043 161 Athor UCAC4 580–007321 Diam = 45.7 m = 10.8 m = 12.2  Dur = 4.1s Dmag = 1.7 Sun: 167° Moon: 154°	2024 nov 6 13h58.1m A24_11145 1303 Luthera UCAC4 592–032721 Diam = 88.8 m = 11.9 m = 14.3  Dur = 11.5s Dmag = 2.6 Sun: 126° Moon: 176°	2024 nov 8 16h56.1m A24_11119 888 Parysatis UCAC5 497–035596 Diam = 44.8 m = 12.4 m = 13.2  Dur = 13.3s Dmag = 1.2 Sun: 119° Moon: 151°	2024 nov 8 17h35.2m A24_11118 798 Ruth PPMX 5985745 Diam = 46.2 m = 11.9 m = 14.4  Dur = 5.1s Dmag = 2.6 Sun: 142° Moon: 132°

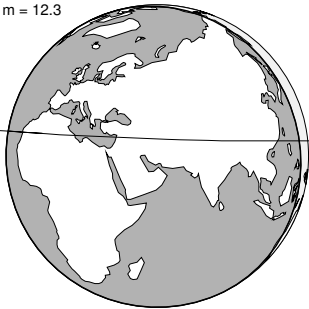
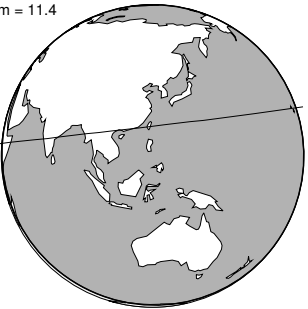
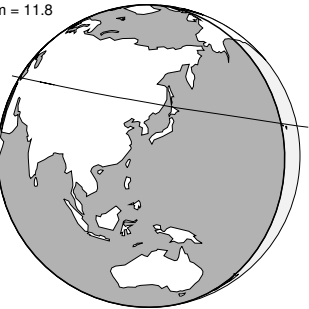
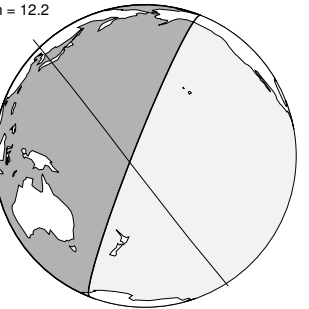
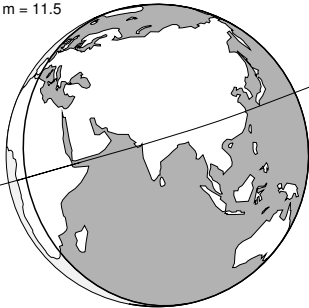
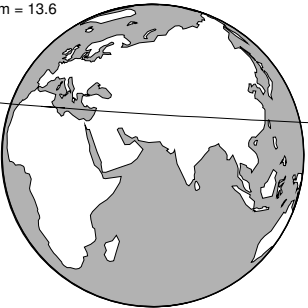
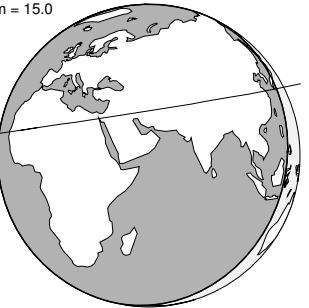
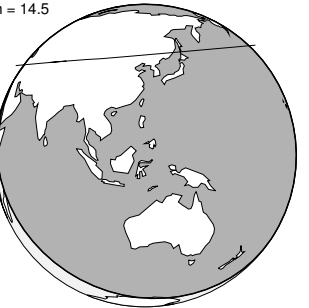
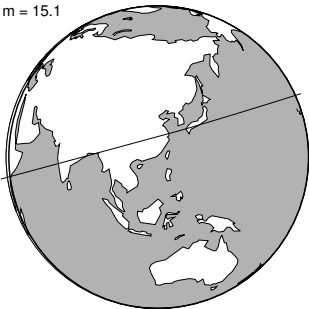
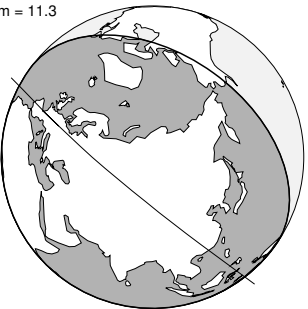
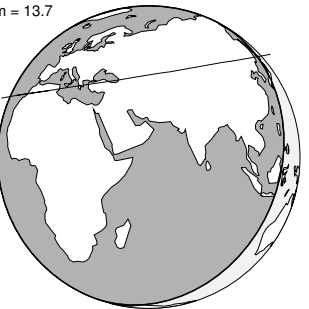
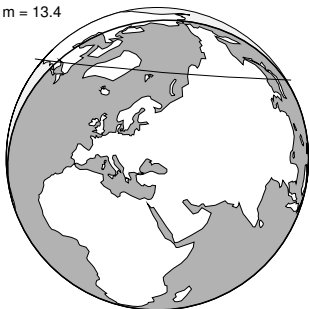
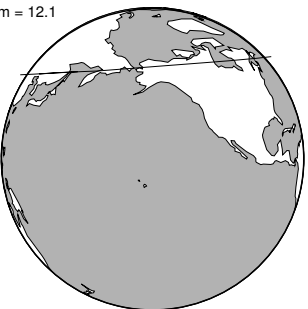
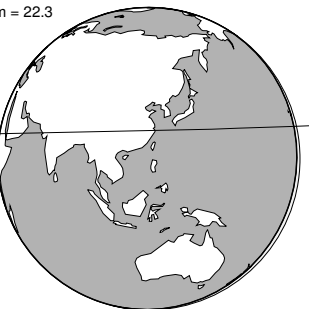
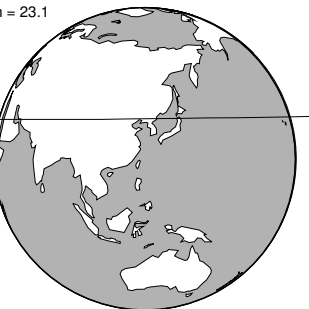
Occultations by major and minor planets – 2024

Region 7

2024 nov 9 21h41.5m A24_11010 26 Proserpina TYC 1883–00809–1 Diam = 98.7 m = 11.3 m = 12.3  Dur = 25.2s Dmag = 1.4 Sun: 130° Moon: 131°	2024 nov 10 12h51.4m A24_11157 4709 Ennomos UCAC4 598–002002 Diam = 69.2 m = 12.5 m = 16.1  Dur = 4.1s Dmag = 3.7 Sun: 146° Moon: 53°	2024 nov 10 18h37.9m A24_11044 161 Athor PPMX 4860596 Diam = 45.7 m = 12.4 m = 12.1  Dur = 4.0s Dmag = 0.6 Sun: 171° Moon: 73°	2024 nov 11 17h39.5m A24_11131 977 Philippa TYC 1308–01334–1 Diam = 67.0 m = 11.3 m = 14.5  Dur = 6.6s Dmag = 3.3 Sun: 147° Moon: 90°
2024 nov 12 17h14.1m B24_11010 2010VD253 UCAC5 476–006724 Diam = 239.9 m = 14.9 m = 23.0  Dur = 9.4s Dmag = 8.0 Sun: 157° Moon: 61°	2024 nov 12 17h59.4m A24_11101 593 Titania HIP 14667 Diam = 78.2 m = 10.6 m = 12.3  Dur = 6.8s Dmag = 1.9 Sun: 165° Moon: 41°	2024 nov 14 18h26.8m A24_11037 142 Polana TYC 1850–01197–1 Diam = 57.0 m = 12.0 m = 14.3  Dur = 5.7s Dmag = 2.4 Sun: 152° Moon: 43°	2024 nov 15 14h47.1m A24_11121 903 Nealley UCAC5 470–005815 Diam = 65.7 m = 12.4 m = 14.4  Dur = 5.2s Dmag = 2.1 Sun: 161° Moon: 24°
2024 nov 16 12h50.0m B24_11009 2010TT191 UCAC4 562–015996 Diam = 114.8 m = 14.1 m = 23.0  Dur = 5.2s Dmag = 8.9 Sun: 153° Moon: 19°	2024 nov 16 18h37.5m B24_11011 2012UQ177 UCAC4 640–011699 Diam = 104.7 m = 12.8 m = 23.8  Dur = 4.3s Dmag = 11.0 Sun: 159° Moon: 20°	2024 nov 17 14h51.3m A24_11032 116 Sirona TYC 1881–01355–1 Diam = 75.5 m = 10.0 m = 12.0  Dur = 13.9s Dmag = 2.1 Sun: 141° Moon: 15°	2024 nov 17 20h15.3m A24_11088 447 Valentine TYC 1405–01063–1 Diam = 82.0 m = 12.0 m = 14.4  Dur = 7.4s Dmag = 2.6 Sun: 99° Moon: 54°
2024 nov 19 15h17.3m A24_11143 1284 Latvia TYC 2895–00329–1 Diam = 40.2 m = 9.3 m = 13.1  Dur = 5.6s Dmag = 3.9 Sun: 154° Moon: 30°	2024 nov 22 14h37.6m A24_11156 3134 Kostinsky UCAC5 561–025022 Diam = 55.8 m = 12.5 m = 15.6  Dur = 6.7s Dmag = 3.2 Sun: 147° Moon: 52°	2024 nov 23 17h57.5m A24_11093 507 Laodica TYC 1748–01713–1 Diam = 48.5 m = 10.7 m = 13.5  Dur = 6.3s Dmag = 2.9 Sun: 144° Moon: 129°	2024 nov 23 18h53.7m A24_11005 13 Egeria UCAC4 622–017522 Diam = 215.0 m = 12.5 m = 10.0  Dur = 17.7s Dmag = 0.1 Sun: 163° Moon: 86°

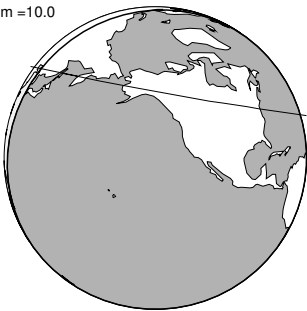
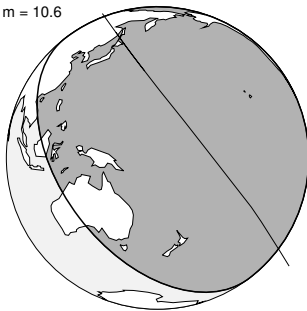
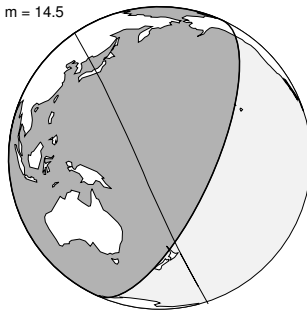
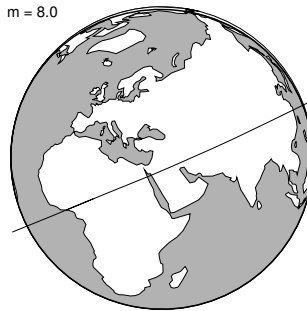
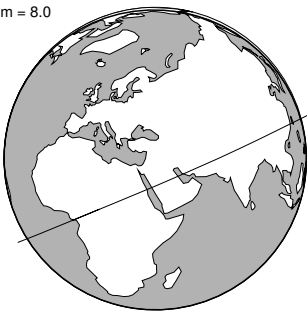
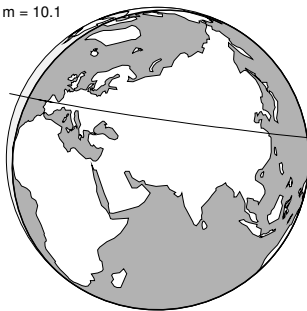
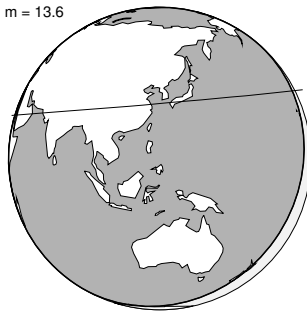
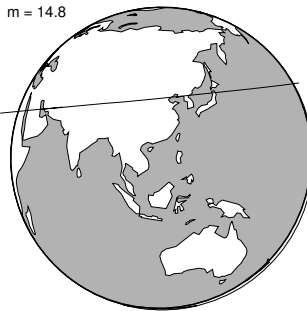
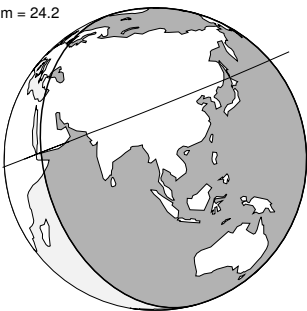
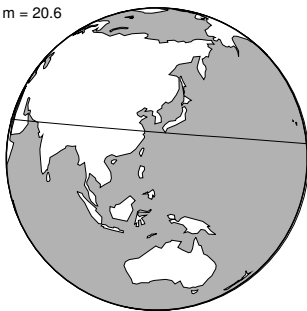
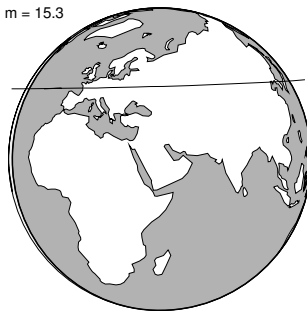
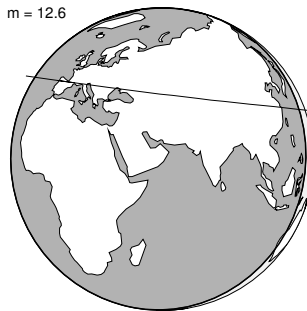
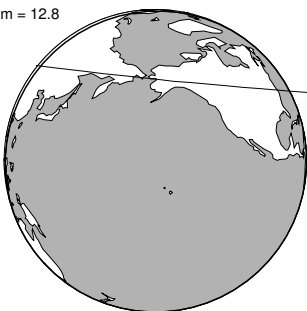
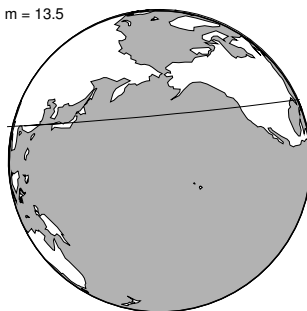
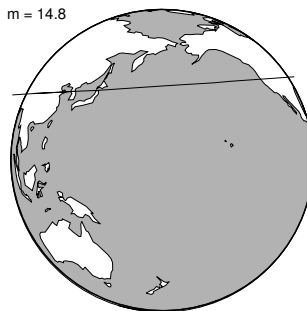
Occultations by major and minor planets – 2024

Region 7

2024 nov 23 21h23.5m A24_11017 47 Aglaja UCAC4 600–018943 Diam = 137.0 m = 11.4 m = 12.3  Dur = 11.1s Dmag = 1.3 Sun: 159° Moon: 80°	2024 nov 28 15h16.1m A24_11031 103 Hera UCAC4 511–006272 Diam = 95.2 m = 11.4 m = 12.4  Dur = 8.0s Dmag = 0.3 Sun: 169° Moon: 155°	2024 nov 30 17h 3.1m A24_11012 26 Proserpina TYC 1886–00189–1 Diam = 98.7 m = 12.3 m = 11.8  Dur = 9.3s Dmag = 0.5 Sun: 153° Moon: 148°	2024 nov 30 17h35.1m A24_11108 704 Interamnia UCAC4 424–053611 Diam = 333.0 m = 12.1 m = 12.2  Dur = 18.0s Dmag = 0.8 Sun: 85° Moon: 79°
2024 dec 2 16h34.6m A24_12015 33 Polyhymnia UCAC4 539–004612 Diam = 81.3 m = 12.1 m = 11.5  Dur = 17.2s Dmag = 0.5 Sun: 151° Moon: 135°	2024 dec 3 19h11.1m A24_12101 596 Scheila UCAC4 551–009098 Diam = 117.0 m = 10.6 m = 13.6  Dur = 7.2s Dmag = 3.1 Sun: 173° Moon: 144°	2024 dec 3 21h51.6m A24_12076 368 Haidea UCAC4 531–025037 Diam = 74.0 m = 12.5 m = 15.0  Dur = 5.5s Dmag = 2.7 Sun: 155° Moon: 166°	2024 dec 4 14h51.9m A24_12135 903 Nealley UCAC4 466–005493 Diam = 65.7 m = 11.9 m = 14.5  Dur = 5.5s Dmag = 2.7 Sun: 157° Moon: 122°
2024 dec 5 15h16.5m A24_12151 1109 Tata UCAC4 565–008992 Diam = 69.5 m = 11.3 m = 15.1  Dur = 4.8s Dmag = 3.9 Sun: 169° Moon: 117°	2024 dec 6 19h40.0m A24_12061 247 Eukrate TYC 4109–00182–1 Diam = 137.0 m = 10.5 m = 11.3  Dur = 17.4s Dmag = 1.2 Sun: 133° Moon: 124°	2024 dec 6 21h58.0m A24_12051 204 Kallisto TYC 0755–00148–1 Diam = 50.8 m = 11.3 m = 13.7  Dur = 4.2s Dmag = 2.5 Sun: 150° Moon: 138°	2024 dec 7 18h 5.3m A24_12007 15 Eunomia UCAC4 623–024846 Diam = 272.0 m = 11.8 m = 8.0  Dur = 27.0s Dmag = 0.0 Sun: 166° Moon: 110°
2024 dec 7 20h48.9m A24_12064 326 Tamara TYC 3329–01485–1 Diam = 100.0 m = 10.8 m = 13.4  Dur = 6.6s Dmag = 2.7 Sun: 154° Moon: 96°	2024 dec 8 10h 3.5m A24_12020 47 Aglaja UCAC4 600–016468 Diam = 137.0 m = 12.1 m = 12.1  Dur = 10.0s Dmag = 0.7 Sun: 172° Moon: 94°	2024 dec 8 16h46.8m A24_12179 2004VZ75 UCAC4 545–020601 Diam = 218.8 m = 12.4 m = 22.3  Dur = 8.8s Dmag = 9.9 Sun: 167° Moon: 101°	2024 dec 9 16h 2.8m B24_12009 2012UD178 UCAC4 580–016292 Diam = 135.5 m = 13.6 m = 23.1  Dur = 5.5s Dmag = 9.5 Sun: 173° Moon: 83°

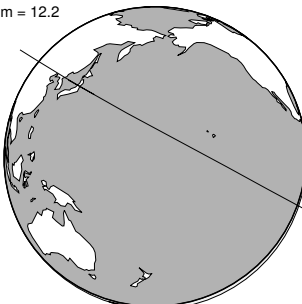
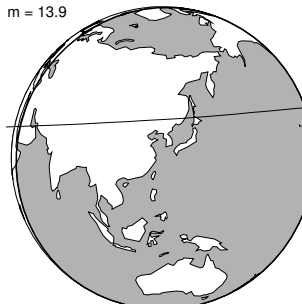
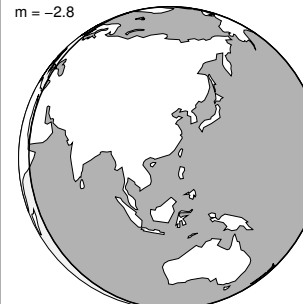
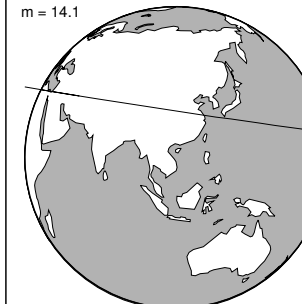
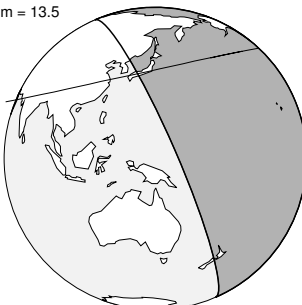
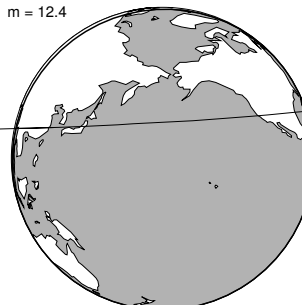
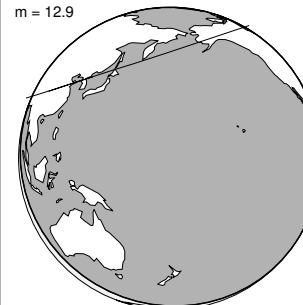
Occultations by major and minor planets – 2024

Region 7

2024 dec 10 8h16.6m A24_12002 13 Egeria UCAC4 628–016995 Diam = 215.0 m = 11.8 m = 10.0  Dur = 18.5s Dmag = 0.2 Sun: 163° Moon: 59°	2024 dec 10 10h13.7m A24_12093 511 Davida UCAC4 420–002944 Diam = 337.0 m = 11.3 m = 10.6  Dur = 39.9s Dmag = 0.4 Sun: 130° Moon: 28°	2024 dec 10 17h 3.9m A24_12086 429 Lotis TYC 0236–01043–1 Diam = 70.3 m = 10.1 m = 14.5  Dur = 10.5s Dmag = 4.4 Sun: 111° Moon: 130°	2024 dec 11 21h22.8m A24_12009 15 Eunomia UCAC4 621–023900 Diam = 272.0 m = 11.4 m = 8.0  Dur = 26.3s Dmag = 0.0 Sun: 168° Moon: 50°
2024 dec 11 21h23.3m A24_12008 15 Eunomia TYC 2411–01242–1 Diam = 272.0 m = 10.6 m = 8.0  Dur = 26.3s Dmag = 0.1 Sun: 168° Moon: 50°	2024 dec 13 18h34.1m A24_12003 13 Egeria TYC 2383–01493–1 Diam = 215.0 m = 11.1 m = 10.1  Dur = 19.4s Dmag = 0.3 Sun: 160° Moon: 13°	2024 dec 14 16h49.6m A24_12053 204 Kallisto PPMX 7040347 Diam = 50.8 m = 12.4 m = 13.6  Dur = 3.7s Dmag = 1.5 Sun: 158° Moon: 32°	2024 dec 15 16h57.7m A24_12078 368 Haidea UCAC5 529–022336 Diam = 74.0 m = 12.5 m = 14.8  Dur = 4.9s Dmag = 2.5 Sun: 167° Moon: 14°
2024 dec 17 14h28.0m A24_12182 2014UE228 TYC 1223–01853–1 Diam = 87.1 m = 10.6 m = 24.2  Dur = 5.2s Dmag = 13.6 Sun: 137° Moon: 71°	2024 dec 20 16h 3.8m B24_12003 119979 2002WC19 UCAC4 556–029744 Diam = 485.3 m = 14.4 m = 20.6  Dur = 19.5s Dmag = 6.2 Sun: 171° Moon: 57°	2024 dec 20 19h57.6m A24_12171 2376 Martynov UCAC4 573–013555 Diam = 40.6 m = 12.5 m = 15.3  Dur = 3.3s Dmag = 3.0 Sun: 167° Moon: 80°	2024 dec 21 21h30.4m A24_12041 122 Gerda UCAC5 550–037329 Diam = 86.5 m = 12.4 m = 12.6  Dur = 7.3s Dmag = 0.8 Sun: 161° Moon: 60°
2024 dec 22 10h15.4m A24_12083 416 Vaticana PPMX 3989752 Diam = 89.5 m = 12.4 m = 12.8  Dur = 5.5s Dmag = 1.0 Sun: 169° Moon: 91°	2024 dec 22 16h11.5m A24_12014 26 Proserpina PPMX 5007011 Diam = 98.7 m = 12.5 m = 11.3  Dur = 7.4s Dmag = 0.3 Sun: 176° Moon: 88°	2024 dec 24 11h42.9m A24_12150 1086 Nata UCAC4 605–032653 Diam = 70.5 m = 11.9 m = 13.5  Dur = 5.5s Dmag = 1.8 Sun: 171° Moon: 104°	2024 dec 25 12h 7.3m A24_12079 368 Haidea PPMX 6016845 Diam = 74.0 m = 12.3 m = 14.8  Dur = 4.8s Dmag = 2.6 Sun: 171° Moon: 120°

Occultations by major and minor planets – 2024

Region 7

2024 dec 26 12h20.4m A24_12133 888 Parysatis UCAC4 511-028193 Diam = 44.8 m = 12.0  Dur = 4.3s Dmag = 0.9 Sun: 167° Moon: 122°	2024 dec 26 14h38.4m A24_12099 578 Hapelia UCAC5 602-017936 Diam = 71.6 m = 12.4  Dur = 5.0s Dmag = 1.7 Sun: 164° Moon: 144°	2024 dec 26 14h41.7m P24_12002 Jupiter TYC 1292-00552-1 Diam = 133542.0 m = -2.8  Dur = 9643.0s Dmag = 0.0 Sun: 158° Moon: 151°	2024 dec 28 16h40.7m A24_12106 627 Charis UCAC4 533-026511 Diam = 51.0 m = 11.7  Dur = 3.7s Dmag = 2.5 Sun: 173° Moon: 152°
2024 dec 29 7h56.7m A24_12042 137 Meliboea UCAC4 452-124704 Diam = 150.0 m = 12.5  Dur = 6.6s Dmag = 1.4 Sun: 81° Moon: 101°	2024 dec 31 11h26.6m A24_12040 120 Lachesis TYC 2424-00357-1 Diam = 178.0 m = 10.8  Dur = 12.9s Dmag = 1.8 Sun: 168° Moon: 166°	2024 dec 31 11h54.0m A24_12140 914 Palisana UCAC5 503-019730 Diam = 79.0 m = 12.4  Dur = 4.8s Dmag = 1.0 Sun: 164° Moon: 157°	