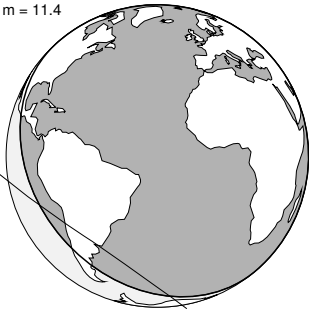
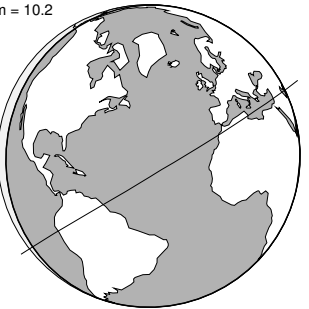
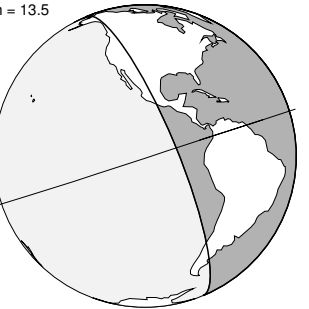
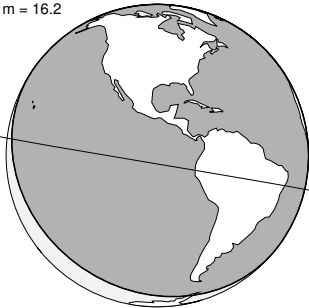
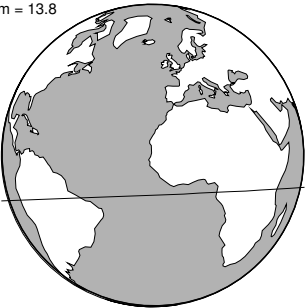
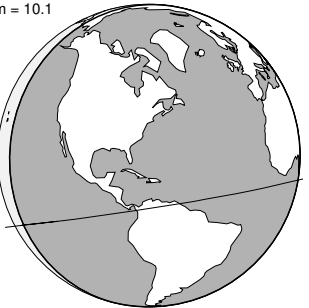
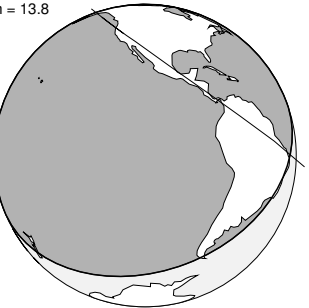
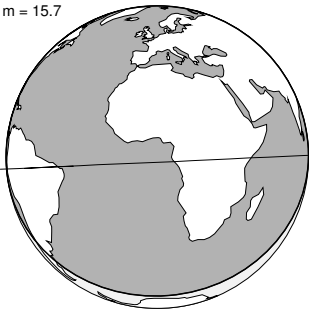
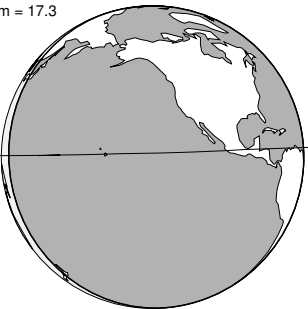
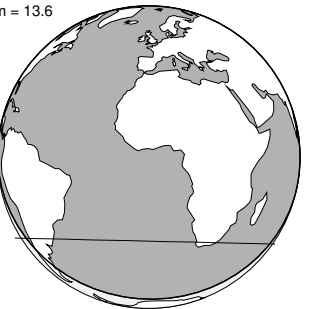
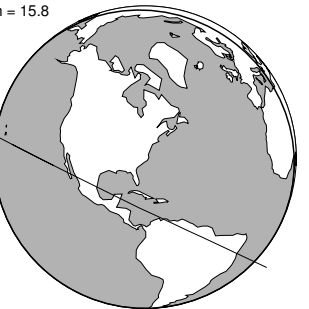
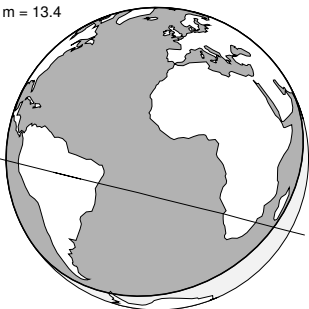
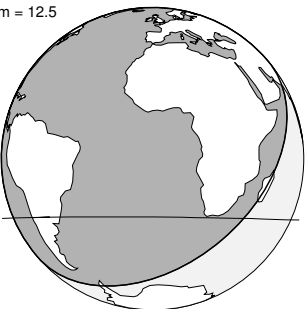
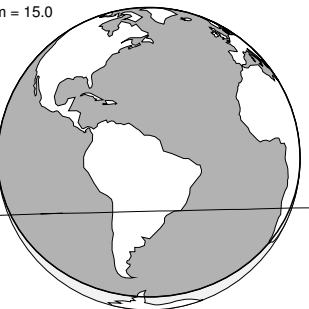


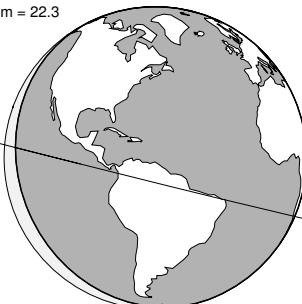
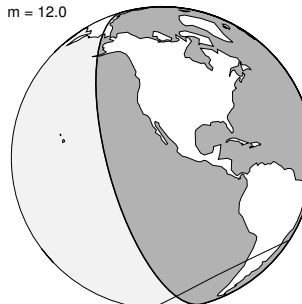
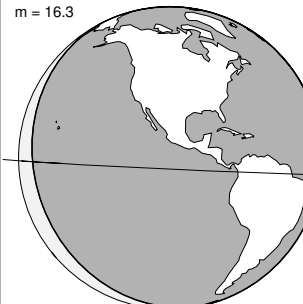
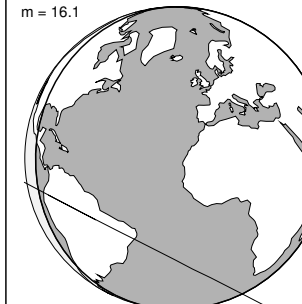
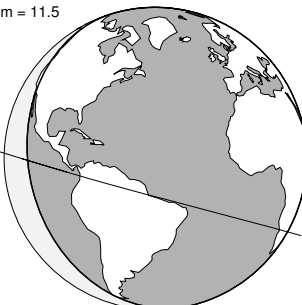
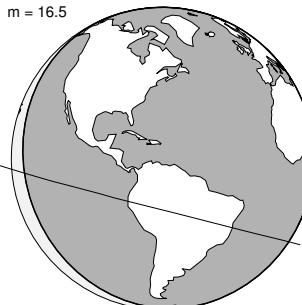
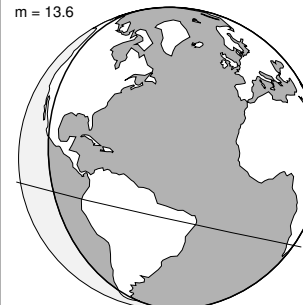
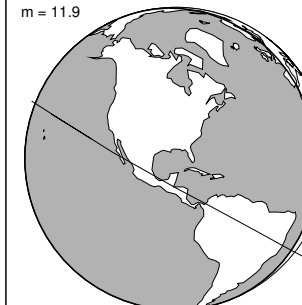
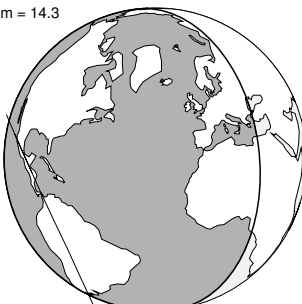
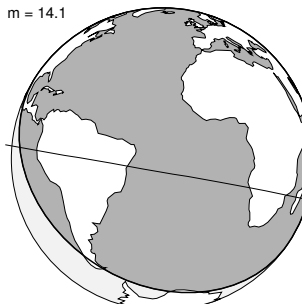
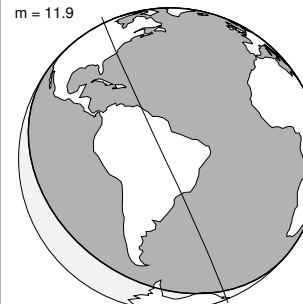
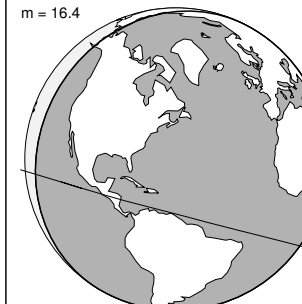
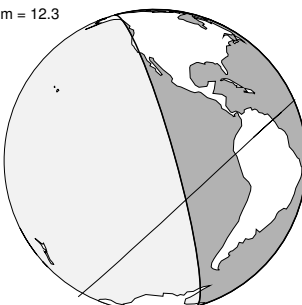
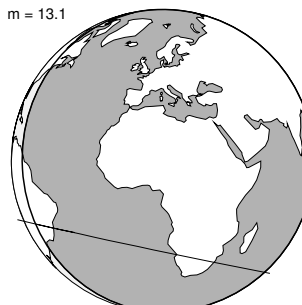
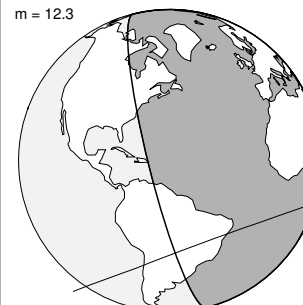
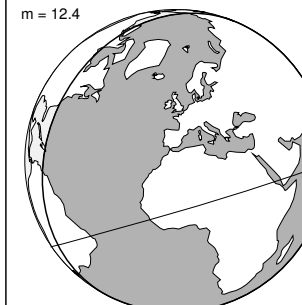
Occultations by major and minor planets – 2024

Region 2

2024 jan 1 0h 7.8m A24_01027 173 Ino TYC 0089–00340–1 Diam = 159.0 m = 12.2 m = 11.4  Dur = 17.7s Dmag = 0.4 Sun: 146° Moon: 85°	2024 jan 1 23h43.9m A24_01008 41 Daphne UCAC4 429–000452 Diam = 182.0 m = 12.3 m = 13.4  Dur = 10.6s Dmag = 1.4 Sun: 82° Moon: 164°	2024 jan 2 1h29.2m A24_01095 704 Interamnia UCAC4 594–018021 Diam = 333.0 m = 11.6 m = 10.2  Dur = 26.1s Dmag = 0.3 Sun: 160° Moon: 86°	2024 jan 4 0h13.3m A24_01042 238 Hypatia TYC 4666–00520–1 Diam = 156.0 m = 10.0 m = 13.5  Dur = 6.6s Dmag = 3.5 Sun: 77° Moon: 169°
2024 jan 4 5h18.4m A24_01156 4068 Menestheus TYC 0116–00040–1 Diam = 55.0 m = 11.3 m = 16.2  Dur = 3.5s Dmag = 4.9 Sun: 153° Moon: 106°	2024 jan 5 0h44.4m A24_01112 976 Benjamina UCAC4 533–030083 Diam = 86.6 m = 11.3 m = 13.8  Dur = 6.1s Dmag = 2.6 Sun: 171° Moon: 105°	2024 jan 6 3h17.6m A24_01006 37 Fides UCAC4 593–018905 Diam = 112.0 m = 11.6 m = 10.1  Dur = 17.3s Dmag = 0.2 Sun: 156° Moon: 135°	2024 jan 6 8h18.7m A24_01123 1263 Varsavia UCAC4 376–045686 Diam = 50.7 m = 11.8 m = 13.8  Dur = 5.2s Dmag = 2.2 Sun: 139° Moon: 91°
2024 jan 7 23h59.6m A24_01152 2920 Automedon UCAC4 446–035131 Diam = 123.0 m = 11.9 m = 15.7  Dur = 7.1s Dmag = 3.9 Sun: 156° Moon: 124°	2024 jan 9 7h54.0m A24_01136 1647 Menelaus TYC 1321–01434–1 Diam = 72.0 m = 9.8 m = 17.3  Dur = 4.5s Dmag = 7.6 Sun: 161° Moon: 166°	2024 jan 10 0h10.9m A24_01090 694 Ekard UCAC4 461–030760 Diam = 92.7 m = 11.6 m = 13.6  Dur = 6.1s Dmag = 2.1 Sun: 159° Moon: 148°	2024 jan 10 5h57.7m A24_01169 5283 Pyrrhus HIP 39366 Diam = 57.5 m = 8.5 m = 15.8  Dur = 3.5s Dmag = 7.3 Sun: 163° Moon: 155°
2024 jan 11 2h 9.3m A24_01049 329 Svea TYC 4866–01186–1 Diam = 80.5 m = 11.3 m = 13.4  Dur = 8.1s Dmag = 2.2 Sun: 150° Moon: 143°	2024 jan 16 2h30.7m A24_01013 105 Artemis UCAC4 383–056953 Diam = 123.0 m = 12.0 m = 12.5  Dur = 20.1s Dmag = 1.0 Sun: 134° Moon: 144°	2024 jan 16 3h50.1m A24_01138 1712 Angola TYC 4836–00500–1 Diam = 66.2 m = 10.4 m = 15.0  Dur = 4.2s Dmag = 4.7 Sun: 156° Moon: 117°	2024 jan 17 4h18.2m A24_01019 128 Nemesis TYC 1936–00301–1 Diam = 194.0 m = 8.6 m = 11.3  Dur = 15.3s Dmag = 2.7 Sun: 171° Moon: 108°

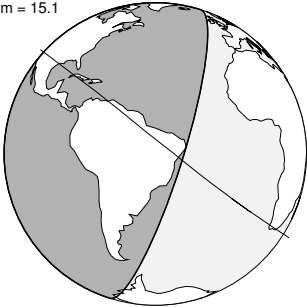
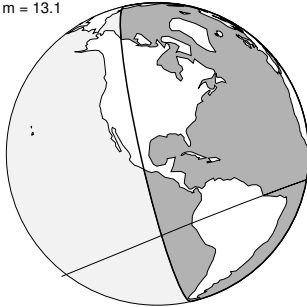
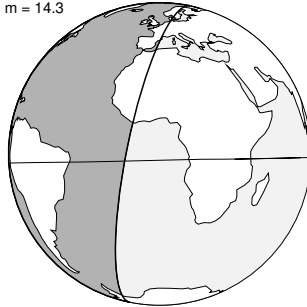
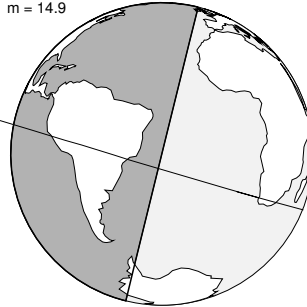
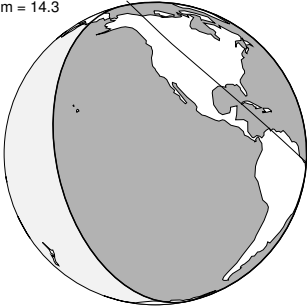
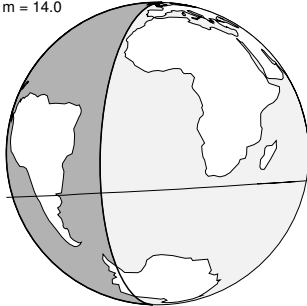
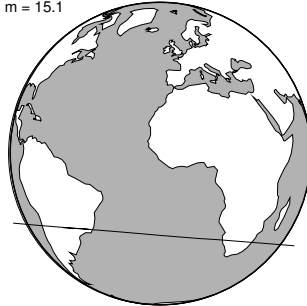
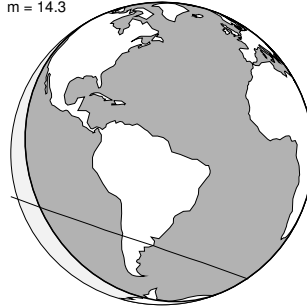
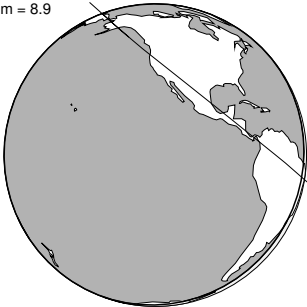
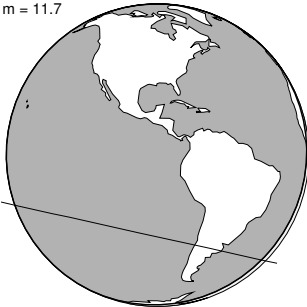
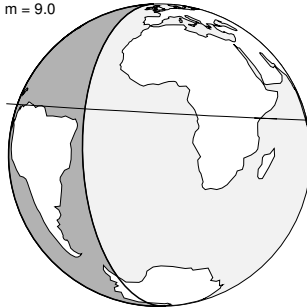
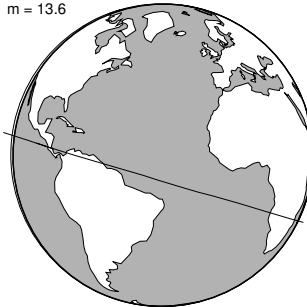
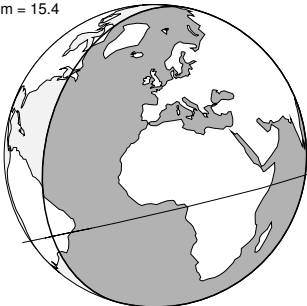
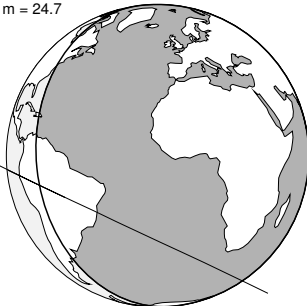
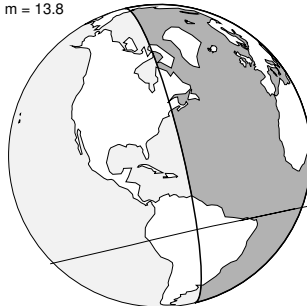
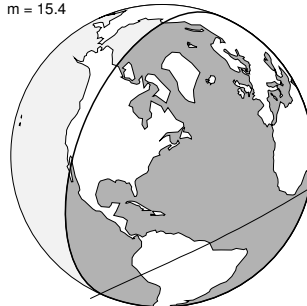
Occultations by major and minor planets – 2024

Region 2

2024 jan 18 2h45.9m B24_01012 2012YG12 UCAC4 511-023240 Diam = 166.0 m = 14.7 m = 22.3  Dur = 7.0s Dmag = 7.6 Sun: 155° Moon: 69°	2024 jan 20 2h44.2m A24_01022 144 Vibilia TYC 1236-00717-1 Diam = 178.0 m = 10.5 m = 12.0  Dur = 18.6s Dmag = 1.7 Sun: 111° Moon: 4°	2024 jan 20 5h23.8m A24_01154 4035 Thestor UCAC4 513-024260 Diam = 57.5 m = 11.8 m = 16.3  Dur = 4.0s Dmag = 4.5 Sun: 153° Moon: 43°	2024 jan 20 23h56.4m A24_01160 4833 Meges TYC 1880-00805-1 Diam = 63.1 m = 11.0 m = 16.1  Dur = 3.4s Dmag = 5.2 Sun: 158° Moon: 33°
2024 jan 22 1h 3.4m A24_01009 48 Doris UCAC5 521-016889 Diam = 219.0 m = 12.5 m = 11.5  Dur = 26.3s Dmag = 0.4 Sun: 146° Moon: 17°	2024 jan 23 3h 6.3m A24_01168 4902 Thessandrus TYC 0754-01432-1 Diam = 50.1 m = 8.6 m = 16.5  Dur = 3.4s Dmag = 8.0 Sun: 156° Moon: 17°	2024 jan 25 0h36.2m A24_01017 125 Liberatrix TYC 1303-01115-1 Diam = 47.5 m = 10.3 m = 13.6  Dur = 5.7s Dmag = 3.3 Sun: 142° Moon: 31°	2024 jan 26 7h33.2m A24_01014 118 Peitho UCAC4 585-045276 Diam = 45.7 m = 11.9 m = 12.3  Dur = 5.5s Dmag = 0.6 Sun: 157° Moon: 14°
2024 jan 29 5h26.2m A24_01025 164 Eva TYC 2529-00227-1 Diam = 110.0 m = 10.9 m = 14.3  Dur = 7.5s Dmag = 3.4 Sun: 133° Moon: 29°	2024 jan 30 0h33.4m A24_01125 1264 Letaba UCAC4 396-028474 Diam = 77.5 m = 12.2 m = 14.1  Dur = 5.4s Dmag = 2.1 Sun: 145° Moon: 66°	2024 jan 31 2h 8.4m A24_01075 582 Olympia TYC 5400-04302-1 Diam = 47.0 m = 11.5 m = 11.9  Dur = 3.2s Dmag = 0.9 Sun: 144° Moon: 77°	2024 jan 31 2h47.3m A24_01149 2260 Neoptolemus TYC 2451-00977-1 Diam = 85.0 m = 9.7 m = 16.4  Dur = 5.6s Dmag = 6.7 Sun: 155° Moon: 82°
2024 feb 3 1h24.6m A24_02034 148 Gallia UCAC4 393-003117 Diam = 104.0 m = 12.3 m = 12.3  Dur = 4.0s Dmag = 0.7 Sun: 82° Moon: 150°	2024 feb 5 22h 4.5m A24_02065 419 Aurelia UCAC4 530-043732 Diam = 133.0 m = 12.0 m = 13.1  Dur = 9.7s Dmag = 1.4 Sun: 158° Moon: 145°	2024 feb 5 22h26.1m A24_02033 144 Vibilia PPMX 5889484 Diam = 178.0 m = 12.5 m = 12.3  Dur = 11.3s Dmag = 0.7 Sun: 98° Moon: 152°	2024 feb 7 22h30.4m A24_02088 516 Amherstia HIP 36157 Diam = 75.7 m = 7.7 m = 12.4  Dur = 6.5s Dmag = 4.7 Sun: 148° Moon: 175°

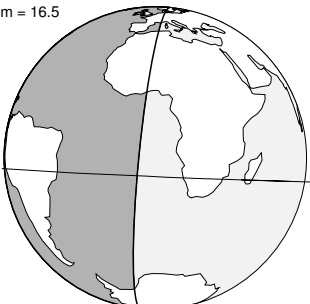
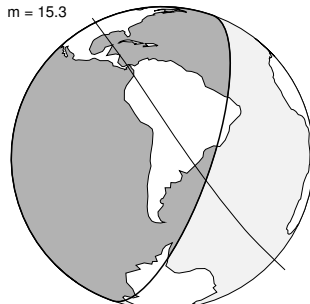
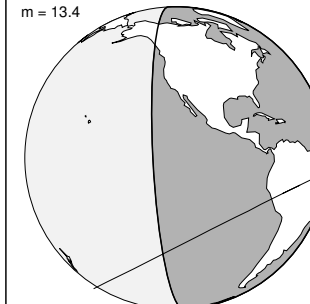
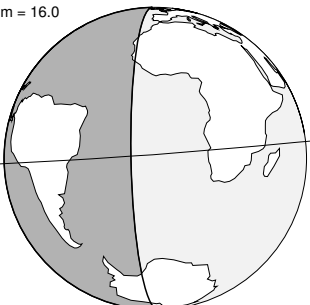
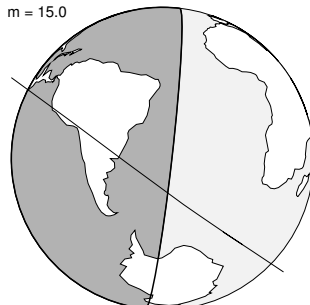
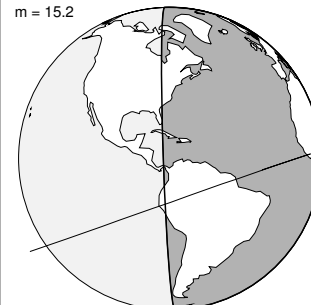
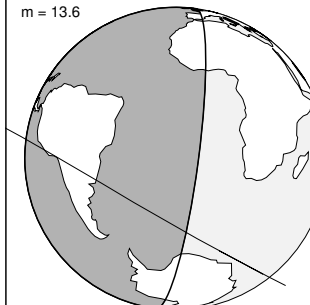
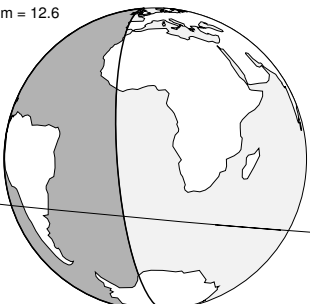
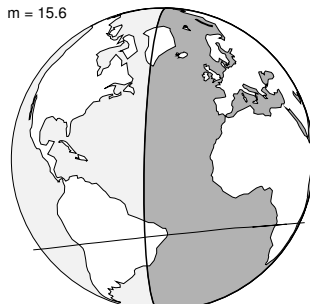
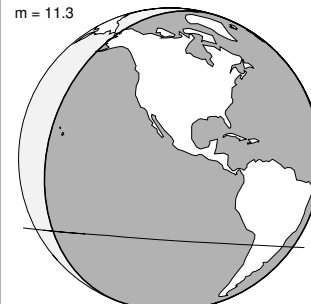
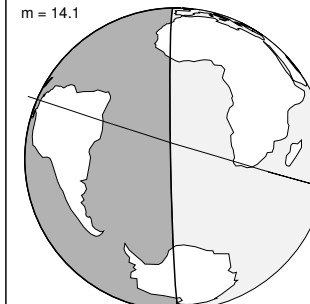
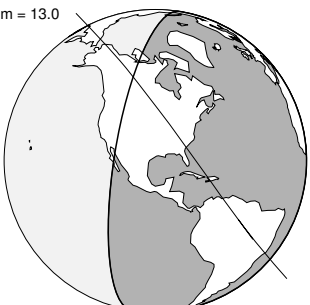
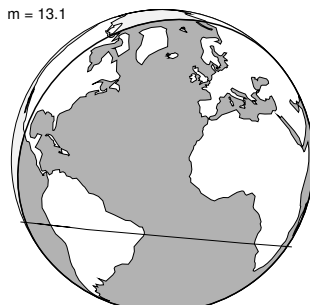
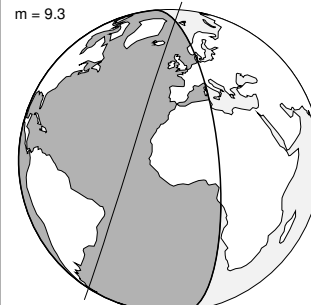
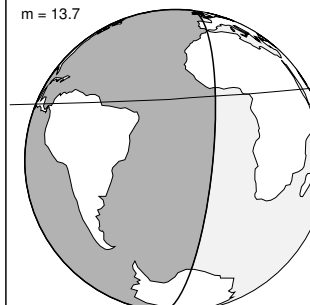
Occultations by major and minor planets – 2024

Region 2

2024 feb 9 8h23.9m A24_02114 796 Sarita UCAC4 397-056529 Diam = 46.7 m = 12.2 m = 15.1  Dur = 5.9s Dmag = 3.0 Sun: 100° Moon: 92°	2024 feb 11 0h35.1m A24_02079 481 Erita UCAC4 564-007568 Diam = 116.0 m = 11.0 m = 13.1  Dur = 7.4s Dmag = 2.2 Sun: 96° Moon: 82°	2024 feb 15 6h51.7m A24_02101 618 Elfriede UCAC4 413-068035 Diam = 124.0 m = 11.9 m = 14.3  Dur = 5.4s Dmag = 2.6 Sun: 77° Moon: 146°	2024 feb 15 7h58.3m A24_02087 514 Armida UCAC4 339-072584 Diam = 110.0 m = 12.3 m = 14.9  Dur = 6.9s Dmag = 2.7 Sun: 89° Moon: 164°
2024 feb 17 5h 8.3m A24_02105 694 Ekard TYC 0155-01863-1 Diam = 92.7 m = 8.5 m = 14.3  Dur = 12.5s Dmag = 5.8 Sun: 130° Moon: 43°	2024 feb 18 7h47.0m A24_02104 683 Lanzia UCAC4 310-121568 Diam = 116.0 m = 12.3 m = 14.0  Dur = 4.2s Dmag = 1.9 Sun: 67° Moon: 178°	2024 feb 20 0h28.5m A24_02132 1437 Diomedes TYC 0824-00995-1 Diam = 171.0 m = 9.8 m = 15.1  Dur = 9.6s Dmag = 5.4 Sun: 171° Moon: 43°	2024 feb 20 2h 5.3m A24_02122 1177 Gonnessia TYC 4849-00792-1 Diam = 95.5 m = 9.2 m = 14.3  Dur = 8.2s Dmag = 5.1 Sun: 151° Moon: 37°
2024 feb 22 9h 2.9m A24_02006 3 Juno TYC 0265-00576-1 Diam = 257.6 m = 12.1 m = 8.9  Dur = 19.9s Dmag = 0.1 Sun: 166° Moon: 37°	2024 feb 23 6h51.0m A24_02054 324 Bambergia UCAC5 460-046070 Diam = 227.6 m = 12.5 m = 11.7  Dur = 13.8s Dmag = 0.4 Sun: 167° Moon: 27°	2024 feb 24 8h16.4m A24_02002 1 Ceres UCAC4 336-147201 Diam = 952.5 m = 10.7 m = 9.0  Dur = 29.9s Dmag = 0.2 Sun: 59° Moon: 122°	2024 feb 27 1h55.4m A24_02029 112 Iphigenia TYC 0832-00057-1 Diam = 75.5 m = 8.7 m = 13.6  Dur = 5.9s Dmag = 5.0 Sun: 169° Moon: 38°
2024 feb 27 21h33.7m A24_02095 588 Achilles TYC 1925-01004-1 Diam = 147.0 m = 9.8 m = 15.4  Dur = 17.6s Dmag = 5.6 Sun: 136° Moon: 80°	2024 feb 27 22h43.0m A24_02152 2020BS60 UCAC4 480-042774 Diam = 210.9 m = 12.4 m = 24.7  Dur = 9.4s Dmag = 12.3 Sun: 143° Moon: 72°	2024 feb 28 22h18.7m A24_02018 70 Panopaea UCAC4 583-009350 Diam = 127.0 m = 12.5 m = 13.8  Dur = 6.4s Dmag = 1.6 Sun: 81° Moon: 146°	2024 feb 29 1h26.6m A24_02140 2797 Teucer UCAC4 658-048791 Diam = 123.0 m = 11.3 m = 15.4  Dur = 21.7s Dmag = 4.1 Sun: 123° Moon: 103°

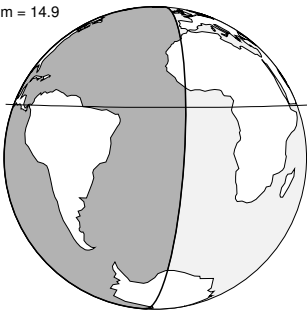
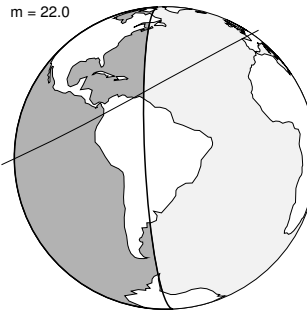
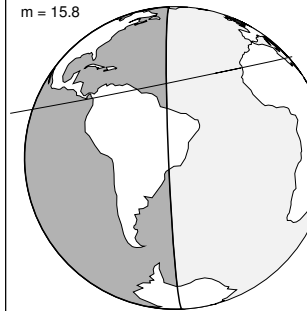
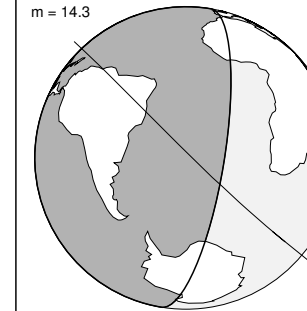
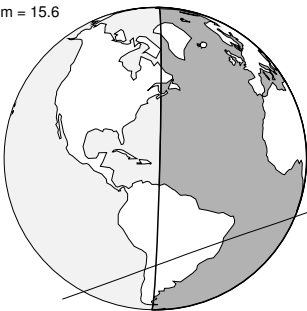
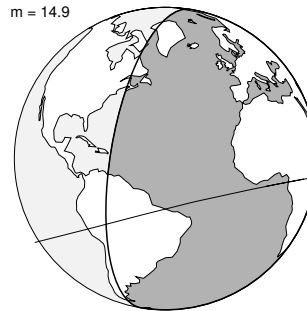
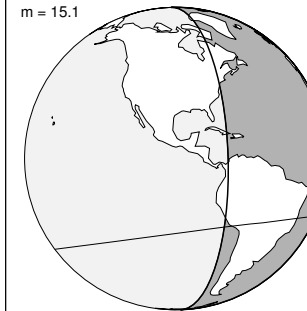
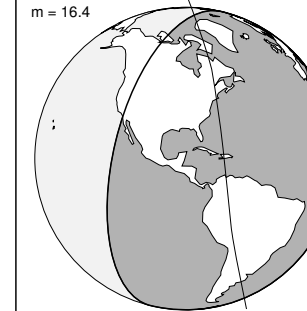
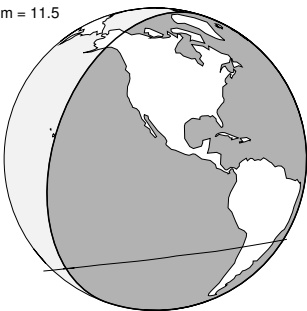
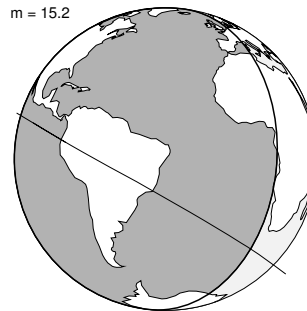
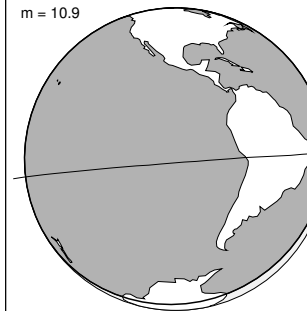
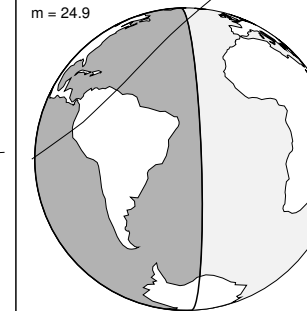
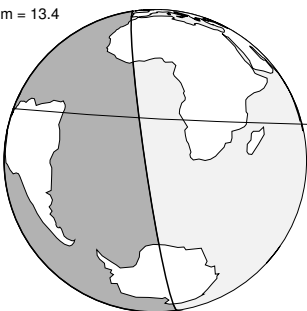
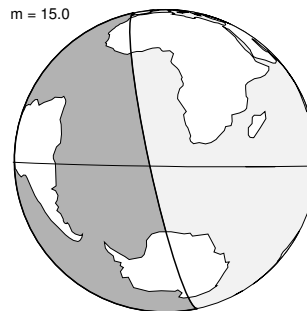
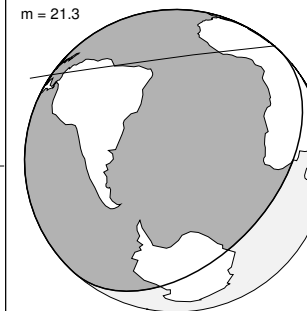
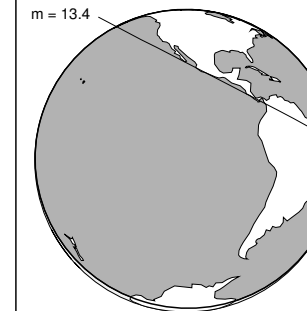
Occultations by major and minor planets – 2024

Region 2

2024 mar 1 6h14.3m A24_03143 1171 Rusthawelia TYC 6240–00856–1 Diam = 73.6 m = 10.3 m = 16.5  Dur = 4.3s Dmag = 6.2 Sun: 83° Moon: 34°	2024 mar 3 8h53.5m A24_03097 648 Pippa UCAC4 303–082135 Diam = 70.5 m = 12.0 m = 15.3  Dur = 11.3s Dmag = 3.4 Sun: 108° Moon: 17°	2024 mar 3 23h 1.5m A24_03008 5 Astraea TYC 1321–00010–1 Diam = 125.0 m = 11.0 m = 10.7  Dur = 12.7s Dmag = 0.6 Sun: 108° Moon: 164°	2024 mar 10 2h35.8m A24_03057 258 Tyche UCAC4 486–015445 Diam = 67.7 m = 11.6 m = 13.4  Dur = 4.9s Dmag = 2.1 Sun: 98° Moon: 102°
2024 mar 11 7h16.1m A24_03149 1306 Scythia UCAC4 307–156987 Diam = 69.5 m = 11.9 m = 16.0  Dur = 3.5s Dmag = 4.1 Sun: 80° Moon: 94°	2024 mar 12 7h58.1m A24_03068 373 Melusina UCAC4 267–103460 Diam = 99.6 m = 12.5 m = 15.0  Dur = 5.9s Dmag = 2.6 Sun: 93° Moon: 120°	2024 mar 13 23h24.6m A24_03064 319 Leona TYC 0722–00546–1 Diam = 73.3 m = 10.3 m = 15.2  Dur = 4.2s Dmag = 5.0 Sun: 92° Moon: 45°	2024 mar 15 6h21.6m A24_03112 784 Pickeringia TYC 7359–00981–1 Diam = 90.0 m = 11.0 m = 13.6  Dur = 5.2s Dmag = 2.6 Sun: 98° Moon: 164°
2024 mar 15 6h50.0m A24_03081 471 Papagena UCAC4 337–167445 Diam = 127.0 m = 12.2 m = 12.6  Dur = 5.5s Dmag = 1.0 Sun: 75° Moon: 142°	2024 mar 16 21h 3.1m A24_03109 738 Alagasta TYC 1326–00590–1 Diam = 64.8 m = 9.2 m = 15.6  Dur = 5.3s Dmag = 6.4 Sun: 96° Moon: 12°	2024 mar 18 4h58.9m A24_03024 63 Ausonia UCAC4 524–049958 Diam = 108.0 m = 12.2 m = 11.3  Dur = 14.4s Dmag = 0.4 Sun: 143° Moon: 42°	2024 mar 19 6h52.3m A24_03046 134 Sophrosyne UCAC4 272–144517 Diam = 107.0 m = 11.7 m = 14.1  Dur = 6.0s Dmag = 2.5 Sun: 87° Moon: 157°
2024 mar 21 1h37.7m A24_03085 516 Amherstia UCAC4 590–039931 Diam = 75.7 m = 11.3 m = 13.0  Dur = 9.0s Dmag = 1.9 Sun: 105° Moon: 28°	2024 mar 22 0h51.0m A24_03059 264 Libussa HIP 53653 Diam = 53.0 m = 7.4 m = 13.1  Dur = 4.5s Dmag = 5.7 Sun: 152° Moon: 15°	2024 mar 22 5h24.1m A24_03003 2 Pallas TYC 0974–01559–1 Diam = 530.9 m = 11.1 m = 9.3  Dur = 28.9s Dmag = 0.2 Sun: 108° Moon: 95°	2024 mar 22 6h28.2m A24_03050 179 Klytaemnestra UCAC4 327–091715 Diam = 81.0 m = 12.0 m = 13.7  Dur = 8.6s Dmag = 1.9 Sun: 104° Moon: 109°

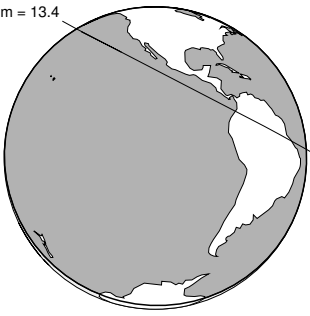
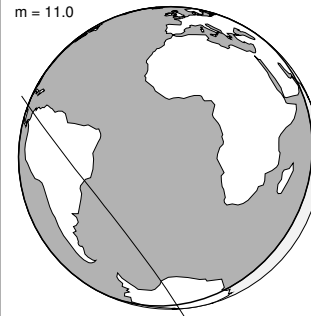
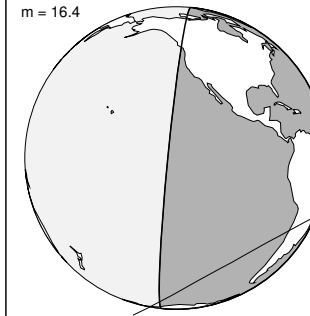
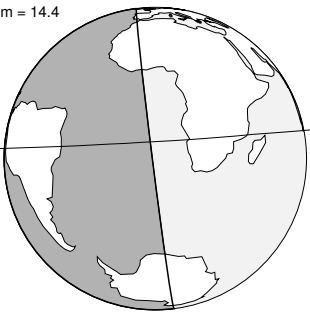
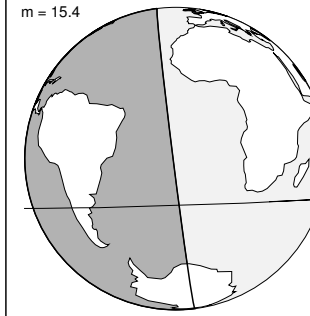
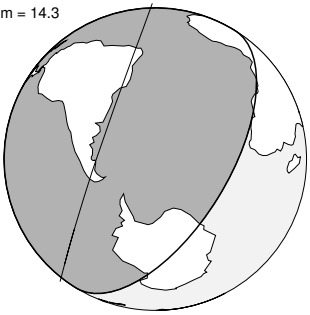
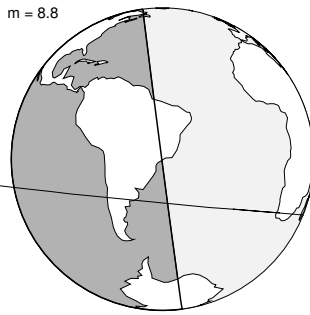
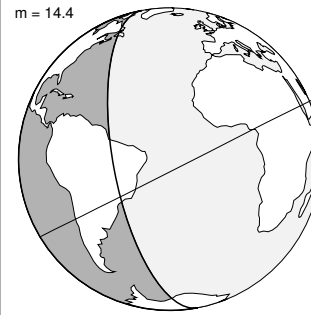
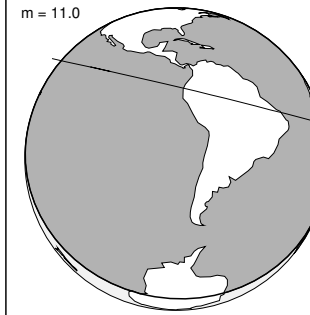
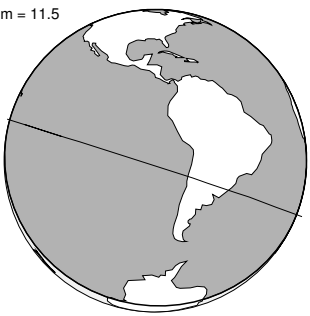
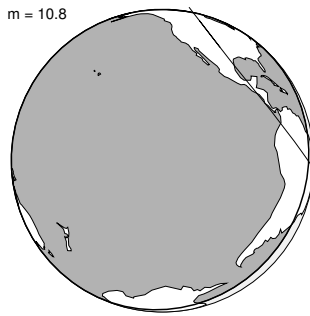
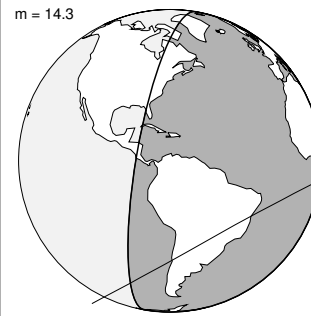
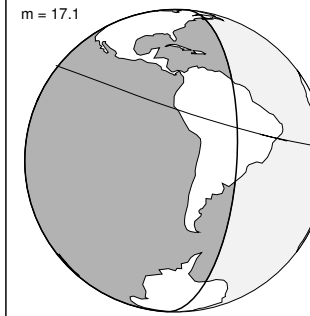
Occultations by major and minor planets – 2024

Region 2

2024 mar 22 6h45.4m A24_03090 586 Thekla UCAC4 337-093837 Diam = 85.0 m = 12.2 m = 14.9  Dur = 8.3s Dmag = 2.8 Sun: 100° Moon: 112°	2024 mar 22 10h12.3m B24_03002 5145 Pholus UCAC5 382-114496 Diam = 166.0 m = 15.0 m = 22.0  Dur = 19.2s Dmag = 7.0 Sun: 82° Moon: 128°	2024 mar 23 9h15.9m A24_03142 1167 Dubiago UCAC4 351-132788 Diam = 69.0 m = 11.9 m = 15.8  Dur = 3.7s Dmag = 3.9 Sun: 87° Moon: 113°	2024 mar 24 6h30.9m A24_03075 399 Persephone TYC 7869-00945-1 Diam = 52.8 m = 10.3 m = 14.3  Dur = 4.6s Dmag = 4.0 Sun: 104° Moon: 87°
2024 mar 24 22h28.2m A24_03121 850 Altona TYC 1322-00567-1 Diam = 84.5 m = 9.6 m = 15.6  Dur = 5.5s Dmag = 6.1 Sun: 88° Moon: 88°	2024 mar 24 22h37.8m A24_03114 799 Gudula TYC 1366-01933-1 Diam = 46.5 m = 9.8 m = 14.9  Dur = 7.0s Dmag = 5.1 Sun: 111° Moon: 65°	2024 mar 25 23h11.3m A24_03099 663 Gerlinde TYC 0693-02097-1 Diam = 104.0 m = 10.3 m = 15.1  Dur = 4.2s Dmag = 4.8 Sun: 69° Moon: 117°	2024 mar 26 2h 0.3m A24_03163 2137 Priscilla UCAC4 545-046211 Diam = 44.5 m = 12.2 m = 16.4  Dur = 11.8s Dmag = 4.2 Sun: 118° Moon: 70°
2024 mar 28 4h27.3m A24_03025 63 Ausonia UCAC4 524-049788 Diam = 108.0 m = 12.1 m = 11.5  Dur = 25.6s Dmag = 0.5 Sun: 132° Moon: 79°	2024 mar 29 5h20.7m A24_03125 868 Lova UCAC4 398-060384 Diam = 54.7 m = 12.2 m = 15.2  Dur = 8.0s Dmag = 3.1 Sun: 137° Moon: 11°	2024 mar 30 7h17.3m A24_03069 385 Ilmatar UCAC4 349-065647 Diam = 94.1 m = 12.0 m = 10.9  Dur = 8.7s Dmag = 0.4 Sun: 162° Moon: 43°	2024 mar 30 7h54.0m A24_03181 2010LP68 Gaia 069-0217800 Diam = 63.1 m = 11.8 m = 24.9  Dur = 20.8s Dmag = 13.0 Sun: 95° Moon: 29°
2024 mar 31 6h27.8m A24_03033 96 Aegle TYC 7422-01378-1 Diam = 174.0 m = 11.4 m = 13.4  Dur = 9.8s Dmag = 2.1 Sun: 86° Moon: 28°	2024 apr 1 6h27.2m A24_04142 1241 Dysona Gaia 048-0272199 Diam = 86.2 m = 10.1 m = 15.0  Dur = 4.2s Dmag = 4.9 Sun: 83° Moon: 23°	2024 apr 2 4h 0.1m B24_04008 2010FX86 UCAC4 235-081245 Diam = 512.9 m = 14.6 m = 21.3  Dur = 26.9s Dmag = 6.7 Sun: 131° Moon: 50°	2024 apr 2 7h 6.6m A24_04109 690 Wratislavia TYC 6106-00510-2 Diam = 140.0 m = 11.2 m = 13.4  Dur = 8.8s Dmag = 2.3 Sun: 166° Moon: 89°

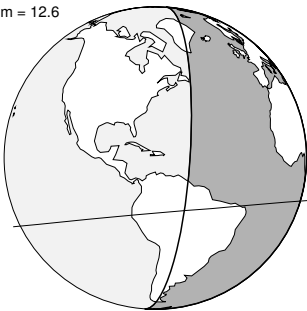
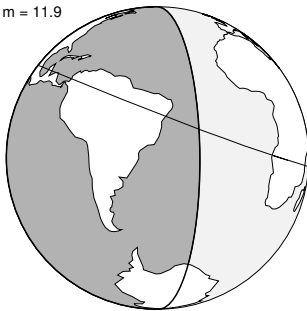
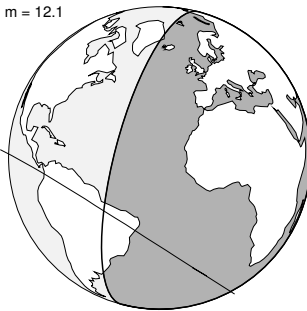
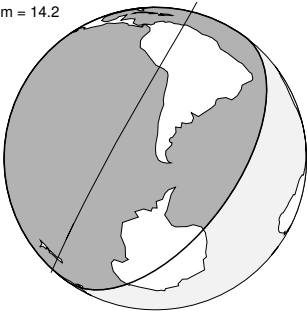
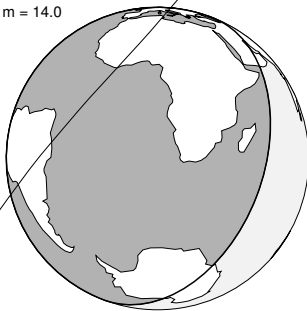
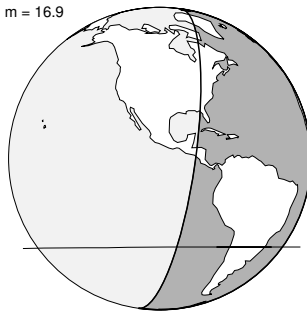
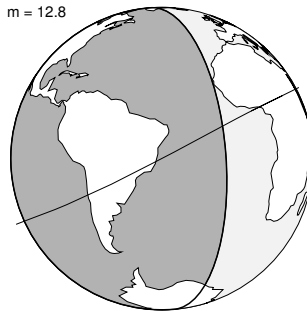
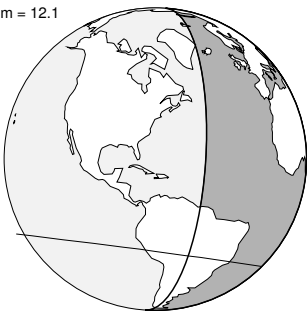
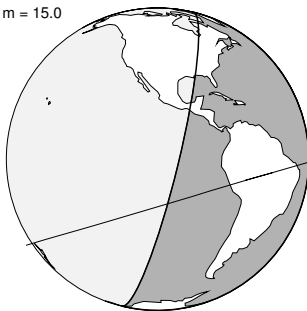
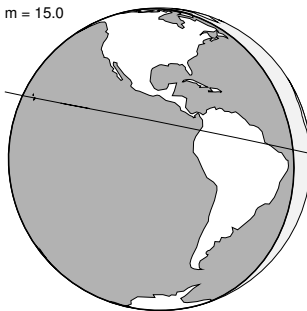
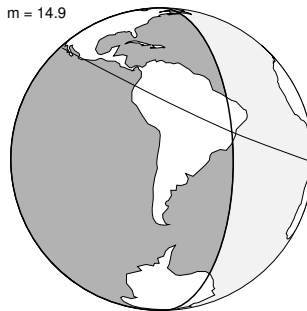
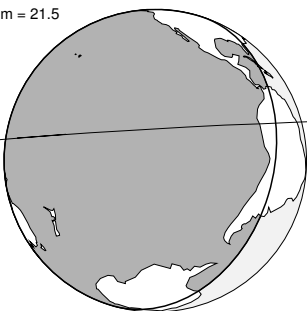
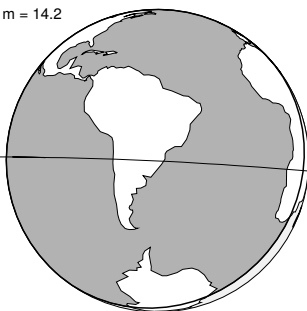
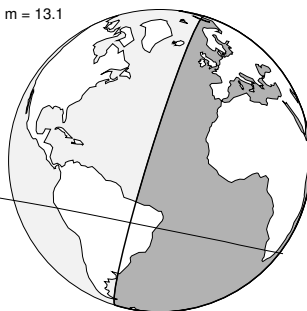
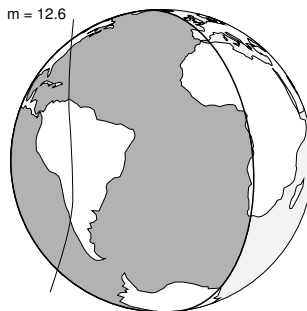
Occultations by major and minor planets – 2024

Region 2

2024 apr 2 7h 8.5m A24_04108 690 Wratislavia TYC 6106–00510–1 Diam = 140.0 m = 10.5 m = 13.4  Dur = 8.8s Dmag = 2.9 Sun: 166° Moon: 89°	2024 apr 2 8h18.4m A24_04024 56 Melete TYC 5625–01074–1 Diam = 90.8 m = 11.4 m = 12.1  Dur = 18.1s Dmag = 1.2 Sun: 128° Moon: 43°	2024 apr 3 1h51.0m A24_04014 25 Phocaea TYC 6141–00725–1 Diam = 78.0 m = 11.6 m = 11.0  Dur = 7.2s Dmag = 0.5 Sun: 156° Moon: 79°	2024 apr 3 2h52.0m A24_04157 2920 Automedon UCAC4 461–028056 Diam = 123.0 m = 11.3 m = 16.4  Dur = 9.4s Dmag = 5.2 Sun: 93° Moon: 153°
2024 apr 3 6h16.4m A24_04121 762 Pulcova HIP 94025 Diam = 142.0 m = 14.4 m = 7.8  Dur = 9.3s Dmag = 6.6 Sun: 88° Moon: 14°	2024 apr 4 5h 7.4m A24_04068 373 Melusina Gaia 051–0182031 Diam = 99.6 m = 11.2 m = 14.7  Dur = 10.2s Dmag = 3.5 Sun: 112° Moon: 51°	2024 apr 4 7h12.1m A24_04046 141 Lumen TYC 7282–00866–1 Diam = 135.0 m = 13.2 m = 11.0  Dur = 11.5s Dmag = 2.3 Sun: 147° Moon: 88°	2024 apr 4 7h19.2m A24_04063 333 Badenia UCAC4 319–211846 Diam = 81.5 m = 15.4 m = 12.1  Dur = 4.7s Dmag = 3.4 Sun: 88° Moon: 27°
2024 apr 5 5h16.0m A24_04101 626 Notburga Gaia 038–0215961 Diam = 104.0 m = 14.3 m = 12.4  Dur = 8.2s Dmag = 2.0 Sun: 119° Moon: 75°	2024 apr 6 9h18.8m A24_04001 1 Ceres TYC 6874–01282–1 Diam = 952.5 m = 11.8 m = 8.8  Dur = 57.2s Dmag = 0.1 Sun: 89° Moon: 56°	2024 apr 6 9h20.1m A24_04058 266 Aline TYC 5755–00299–1 Diam = 113.0 m = 14.4 m = 8.7  Dur = 3.8s Dmag = 5.7 Sun: 68° Moon: 36°	2024 apr 7 5h17.9m A24_04032 89 Julia UCAC4 303–072433 Diam = 159.0 m = 11.0 m = 12.3  Dur = 11.3s Dmag = 0.3 Sun: 156° Moon: 144°
2024 apr 7 5h25.1m A24_04042 115 Thyra TYC 6684–00816–1 Diam = 83.5 m = 11.5 m = 10.9  Dur = 6.2s Dmag = 1.1 Sun: 162° Moon: 150°	2024 apr 7 9h37.8m A24_04015 25 Phocaea UCAC4 364–064324 Diam = 78.0 m = 12.1 m = 10.8  Dur = 6.6s Dmag = 0.3 Sun: 162° Moon: 143°	2024 apr 7 23h49.5m A24_04062 329 Svea TYC 0781–00421–1 Diam = 80.5 m = 9.9 m = 14.3  Dur = 6.3s Dmag = 4.4 Sun: 102° Moon: 113°	2024 apr 8 9h51.1m A24_04126 835 Olivia UCAC4 315–116952 Diam = 41.0 m = 12.5 m = 17.1  Dur = 10.1s Dmag = 4.6 Sun: 113° Moon: 109°

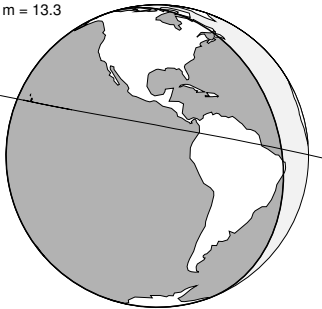
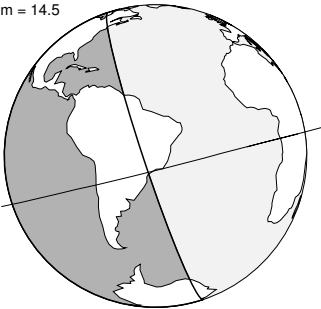
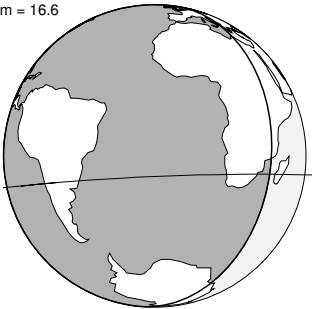
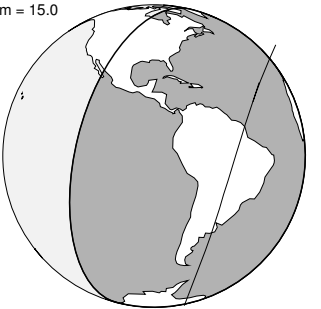
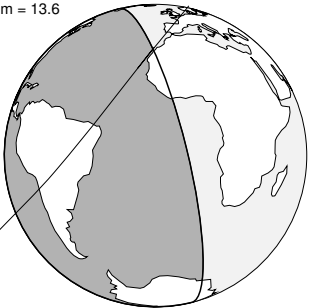
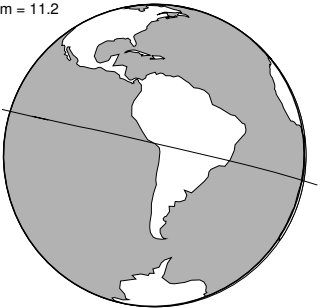
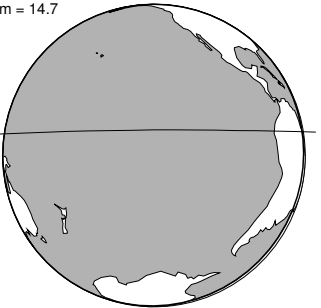
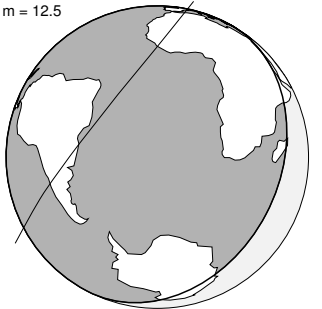
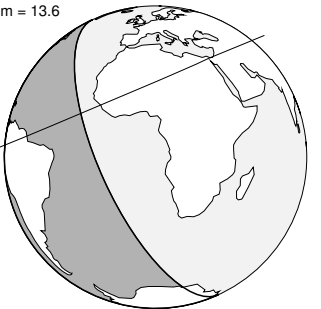
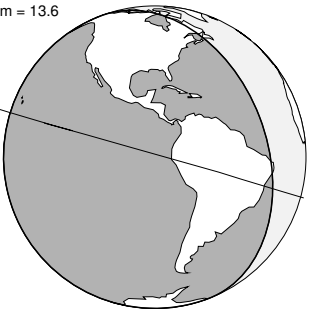
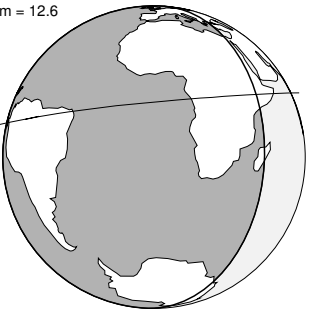
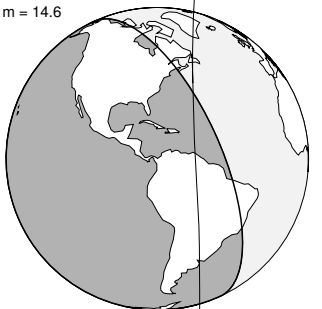
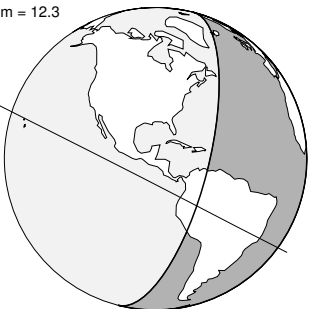
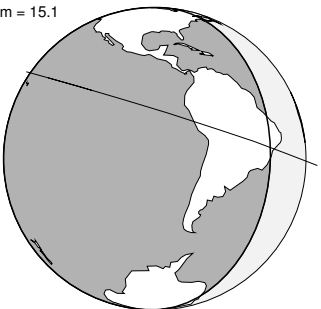
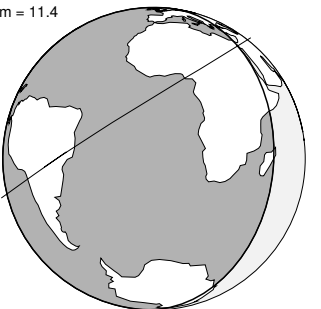
Occultations by major and minor planets – 2024

Region 2

2024 apr 8 22h 3.4m A24_04021 48 Doris UCAC4 537-026371 Diam = 219.0 m = 12.2  Dur = 9.3s Dmag = 1.0 Sun: 76° Moon: 75°	2024 apr 9 7h46.7m A24_04027 68 Leto UCAC4 310-188817 Diam = 127.0 m = 11.7  Dur = 11.9s Dmag = 0.9 Sun: 106° Moon: 114°	2024 apr 9 21h14.7m A24_04031 78 Diana TYC 1395-00459-1 Diam = 116.0 m = 10.3  Dur = 10.1s Dmag = 2.0 Sun: 107° Moon: 92°	2024 apr 10 6h27.7m A24_04054 191 Kolga HIP 63939 Diam = 105.0 m = 8.0  Dur = 7.5s Dmag = 5.6 Sun: 167° Moon: 150°
2024 apr 10 7h54.7m A24_04102 626 Notburga Gaia 037-0234877 Diam = 104.0 m = 10.3  Dur = 8.3s Dmag = 3.9 Sun: 122° Moon: 140°	2024 apr 16 2h18.1m A24_04094 546 Herodias TYC 7352-00074-1 Diam = 69.7 m = 14.0  Dur = 8.4s Dmag = 4.4 Sun: 134° Moon: 131°	2024 apr 16 23h59.0m A24_04159 15436 Dexius UCAC4 512-031082 Diam = 61.4 m = 16.9  Dur = 3.1s Dmag = 4.5 Sun: 76° Moon: 31°	2024 apr 19 6h57.3m A24_04061 308 Polyxo UCAC4 360-140041 Diam = 148.0 m = 12.3  Dur = 25.2s Dmag = 1.1 Sun: 115° Moon: 116°
2024 apr 19 21h48.6m A24_04017 37 Fides UCAC4 578-034129 Diam = 112.0 m = 12.1  Dur = 3.8s Dmag = 0.7 Sun: 70° Moon: 65°	2024 apr 24 0h26.3m A24_04143 1264 Letaba TYC 4834-00950-1 Diam = 77.5 m = 15.0  Dur = 3.8s Dmag = 4.4 Sun: 81° Moon: 98°	2024 apr 26 8h 6.8m A24_04138 1075 Helina UCAC4 407-063998 Diam = 40.5 m = 15.0  Dur = 4.0s Dmag = 4.7 Sun: 151° Moon: 16°	2024 apr 26 8h56.4m A24_04140 1135 Colchis TYC 6870-00151-1 Diam = 51.5 m = 14.9  Dur = 10.9s Dmag = 3.9 Sun: 118° Moon: 34°
2024 apr 26 10h43.6m A24_04161 523706 2014HF200 UCAC5 299-093991 Diam = 285.8 m = 21.5  Dur = 16.3s Dmag = 9.1 Sun: 141° Moon: 11°	2024 apr 30 4h22.6m A24_04100 613 Ginevra UCAC4 308-082325 Diam = 82.0 m = 14.2  Dur = 6.8s Dmag = 2.1 Sun: 160° Moon: 56°	2024 may 1 20h55.9m A24_05042 124 Alkeste TYC 0818-00037-1 Diam = 79.5 m = 13.1  Dur = 5.7s Dmag = 2.2 Sun: 94° Moon: 174°	2024 may 2 5h16.7m A24_05063 308 Polyxo PPMX 11658444 Diam = 148.0 m = 12.4  Dur = 66.3s Dmag = 0.8 Sun: 126° Moon: 48°

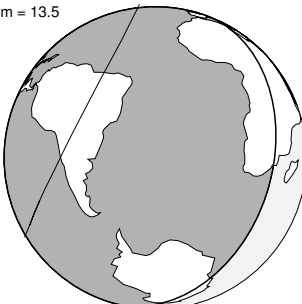
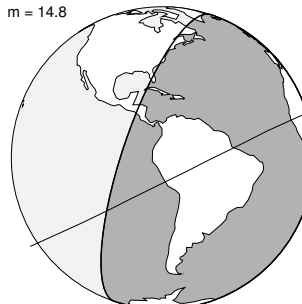
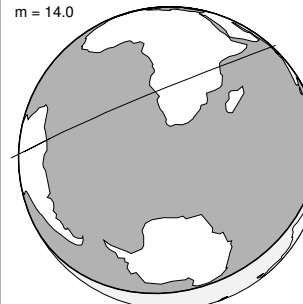
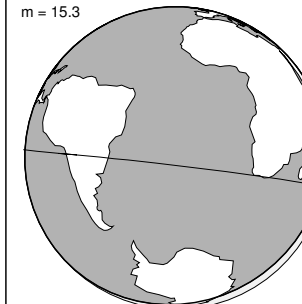
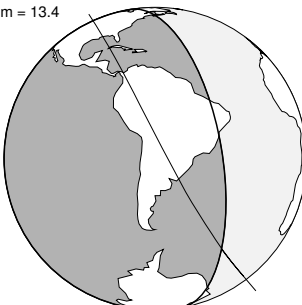
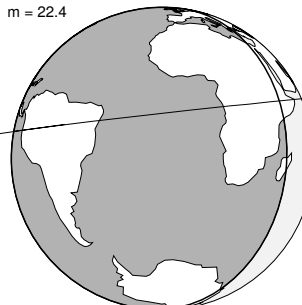
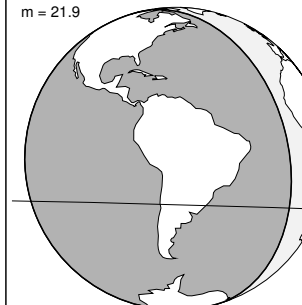
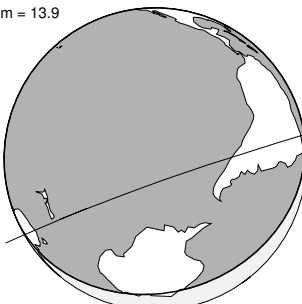
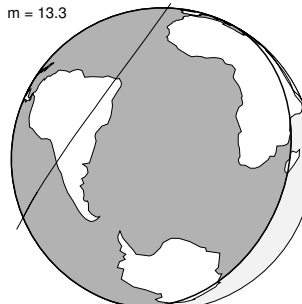
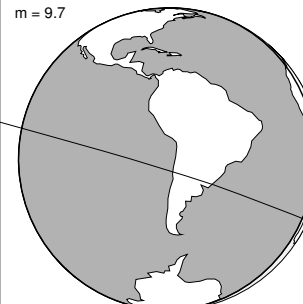
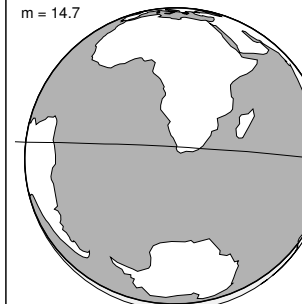
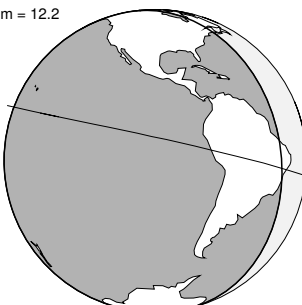
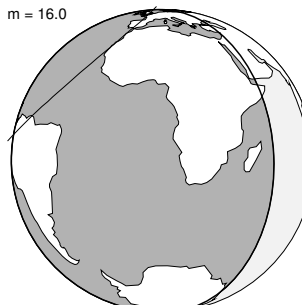
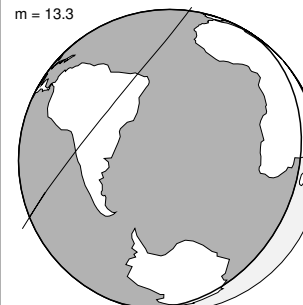
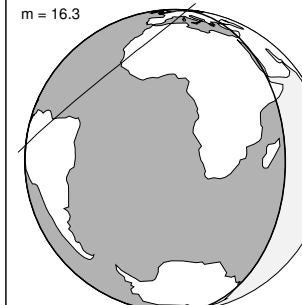
Occultations by major and minor planets – 2024

Region 2

2024 may 2 8h30.9m A24_05101 618 Elfriede UCAC5 425–065549 Diam = 124.0 m = 12.5 m = 13.3  Dur = 14.0s Dmag = 1.2 Sun: 144° Moon: 72°	2024 may 3 9h38.4m A24_05038 104 Klymene UCAC4 360–210233 Diam = 127.0 m = 11.8 m = 14.5  Dur = 7.1s Dmag = 2.8 Sun: 85° Moon: 21°	2024 may 5 3h46.2m A24_05134 835 Olivia UCAC4 314–112237 Diam = 41.0 m = 12.2 m = 16.6  Dur = 6.1s Dmag = 4.4 Sun: 140° Moon: 99°	2024 may 6 1h49.3m A24_05146 1243 Pamela TYC 5499–00424–1 Diam = 75.5 m = 11.9 m = 15.0  Dur = 10.9s Dmag = 3.2 Sun: 121° Moon: 148°
2024 may 6 2h24.3m B24_05019 2019GB143 UCAC4 406–057607 Diam = 145.2 m = 13.7 m = 23.3  Dur = 6.3s Dmag = 9.6 Sun: 159° Moon: 172°	2024 may 6 6h19.8m A24_05106 654 Zelinda UCAC5 362–179092 Diam = 132.0 m = 12.5 m = 13.6  Dur = 13.8s Dmag = 1.4 Sun: 102° Moon: 76°	2024 may 7 5h23.3m A24_05023 64 Angelina TYC 6196–00037–1 Diam = 121.9 m = 11.1 m = 11.2  Dur = 10.7s Dmag = 0.8 Sun: 169° Moon: 158°	2024 may 8 9h27.9m A24_05153 1354 Botha UCAC4 332–075618 Diam = 52.5 m = 10.0 m = 14.7  Dur = 5.6s Dmag = 4.8 Sun: 169° Moon: 174°
2024 may 10 2h58.6m A24_05132 784 Pickeringia UCAC4 254–107984 Diam = 90.0 m = 11.5 m = 12.5  Dur = 13.0s Dmag = 1.4 Sun: 144° Moon: 167°	2024 may 10 7h15.2m A24_05032 94 Aurora HIP 113552 Diam = 212.0 m = 9.9 m = 13.6  Dur = 7.7s Dmag = 3.7 Sun: 68° Moon: 97°	2024 may 10 8h30.3m A24_05127 747 Winchester TYC 5091–00037–1 Diam = 178.0 m = 10.8 m = 13.6  Dur = 17.3s Dmag = 2.8 Sun: 137° Moon: 155°	2024 may 12 3h10.0m A24_05040 111 Ate TYC 6856–00335–1 Diam = 139.0 m = 10.2 m = 12.6  Dur = 26.8s Dmag = 2.5 Sun: 136° Moon: 172°
2024 may 12 9h 6.7m A24_05129 754 Malabar UCAC4 493–104217 Diam = 89.1 m = 12.1 m = 14.6  Dur = 8.9s Dmag = 2.6 Sun: 114° Moon: 144°	2024 may 13 22h44.6m A24_05029 71 Niobe TYC 1378–01618–1 Diam = 87.3 m = 12.0 m = 12.3  Dur = 3.4s Dmag = 0.9 Sun: 69° Moon: 9°	2024 may 14 8h57.4m A24_05150 1306 Scythia UCAC4 314–177627 Diam = 69.5 m = 10.1 m = 15.1  Dur = 8.6s Dmag = 5.0 Sun: 139° Moon: 143°	2024 may 15 3h 0.9m A24_05009 22 Kalliope PPMX 12687544 Diam = 187.0 m = 11.8 m = 11.4  Dur = 20.1s Dmag = 0.6 Sun: 142° Moon: 132°

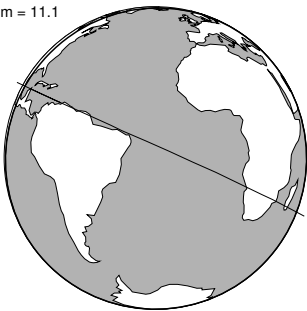
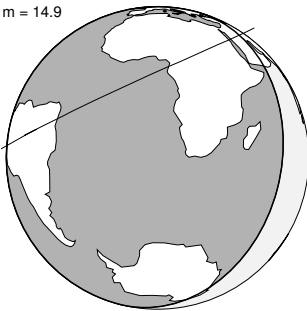
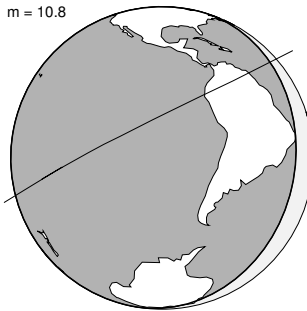
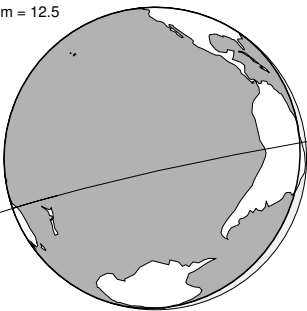
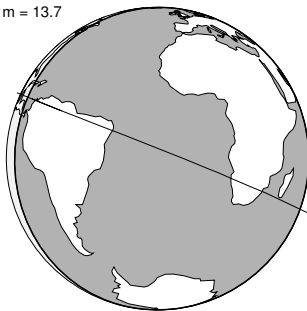
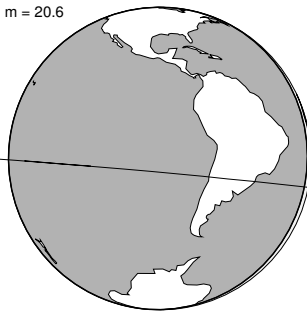
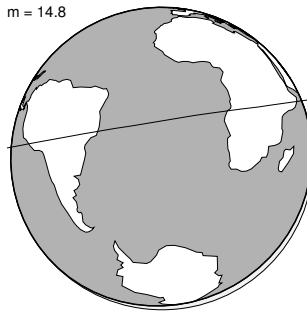
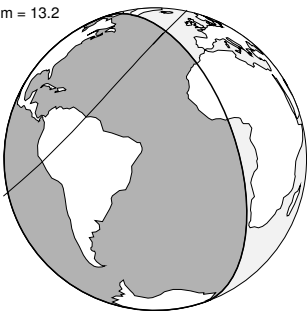
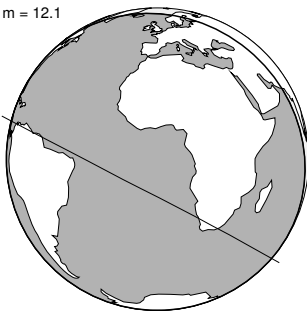
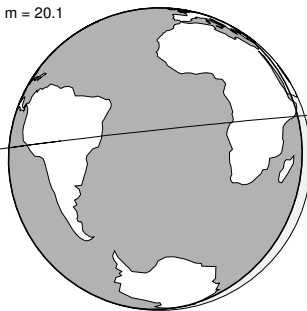
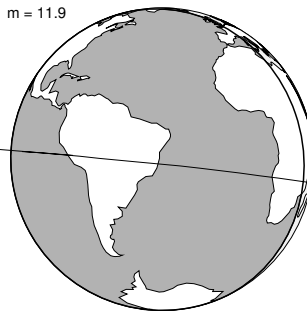
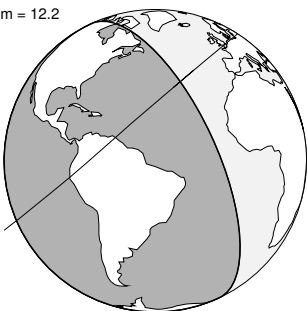
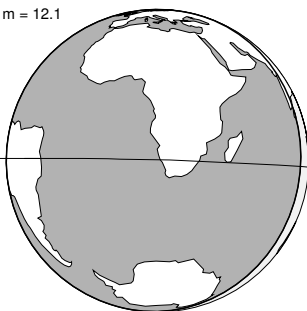
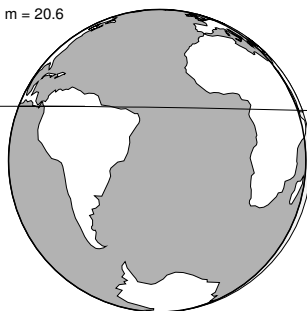
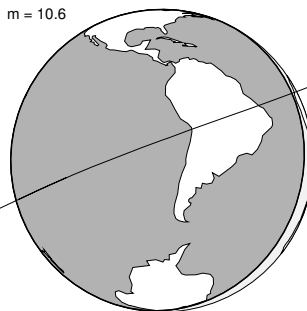
Occultations by major and minor planets – 2024

Region 2

2024 may 15 4h18.6m A24_05117 735 Marghanna UCAC4 259–152766 Diam = 77.0 m = 12.2 m = 13.5  Dur = 8.2s Dmag = 1.6 Sun: 140° Moon: 130°	2024 may 16 0h 3.9m A24_05140 1031 Arctica TYC 4915–00688–1 Diam = 78.0 m = 11.1 m = 14.8  Dur = 6.2s Dmag = 3.7 Sun: 105° Moon: 19°	2024 may 16 23h26.3m A24_05121 746 Marlu UCAC4 217–117520 Diam = 75.5 m = 12.0 m = 14.0  Dur = 7.2s Dmag = 2.2 Sun: 150° Moon: 91°	2024 may 17 1h52.7m A24_05157 1639 Bower UCAC4 280–090338 Diam = 41.0 m = 11.9 m = 15.3  Dur = 3.2s Dmag = 3.4 Sun: 162° Moon: 85°
2024 may 17 8h54.6m A24_05044 145 Adeona UCAC4 317–230186 Diam = 155.0 m = 12.1 m = 13.4  Dur = 25.8s Dmag = 1.6 Sun: 116° Moon: 133°	2024 may 18 3h11.5m B24_05018 2003LA7 Gaia 062–0296968 Diam = 208.9 m = 14.0 m = 22.4  Dur = 11.4s Dmag = 8.4 Sun: 145° Moon: 96°	2024 may 19 6h26.5m B24_05004 47932 2000GN171 UCAC4 291–121122 Diam = 231.2 m = 14.7 m = 21.1  Dur = 10.7s Dmag = 6.4 Sun: 157° Moon: 70°	2024 may 19 7h 8.9m B24_05001 5145 Pholus Gaia 077–0195972 Diam = 166.0 m = 14.9 m = 21.9  Dur = 8.9s Dmag = 7.0 Sun: 138° Moon: 90°
2024 may 19 8h 8.7m A24_05125 746 Marlu TYC 8316–01479–1 Diam = 75.5 m = 11.4 m = 13.9  Dur = 7.2s Dmag = 2.7 Sun: 151° Moon: 64°	2024 may 20 3h28.2m A24_05119 735 Marghanna UCAC4 255–151305 Diam = 77.0 m = 11.9 m = 13.3  Dur = 7.7s Dmag = 1.7 Sun: 145° Moon: 71°	2024 may 20 5h56.4m A24_05019 43 Ariadne TYC 6814–00850–1 Diam = 65.3 m = 10.6 m = 9.7  Dur = 12.9s Dmag = 0.4 Sun: 163° Moon: 54°	2024 may 20 22h53.5m A24_05159 1958 Chandra UCAC4 266–089640 Diam = 42.6 m = 12.4 m = 14.7  Dur = 4.0s Dmag = 2.4 Sun: 163° Moon: 38°
2024 may 21 8h57.1m A24_05065 308 Polyxo UCAC4 366–122393 Diam = 148.0 m = 12.5 m = 12.2  Dur = 23.2s Dmag = 0.6 Sun: 146° Moon: 59°	2024 may 22 2h31.3m A24_05163 2421 Nininger UCAC4 320–208899 Diam = 43.3 m = 11.5 m = 16.0  Dur = 6.6s Dmag = 4.5 Sun: 137° Moon: 60°	2024 may 22 3h51.2m A24_05118 735 Marghanna UCAC5 253–144889 Diam = 77.0 m = 12.5 m = 13.3  Dur = 7.6s Dmag = 1.2 Sun: 146° Moon: 47°	2024 may 23 2h47.0m A24_05165 2617 Jiangxi UCAC4 307–256451 Diam = 59.2 m = 12.3 m = 16.3  Dur = 6.6s Dmag = 4.0 Sun: 136° Moon: 49°

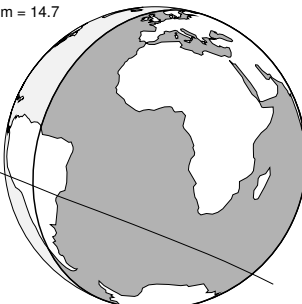
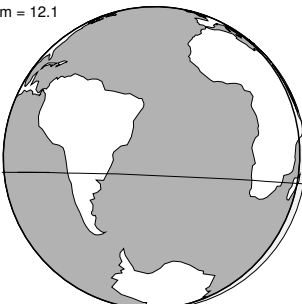
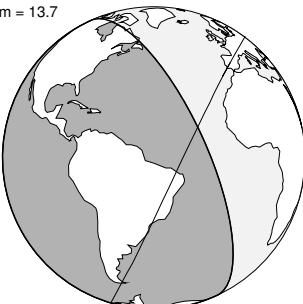
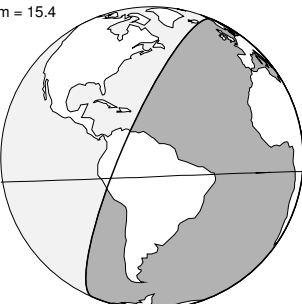
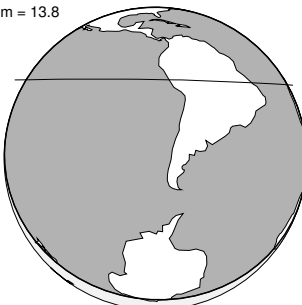
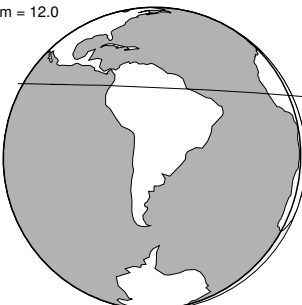
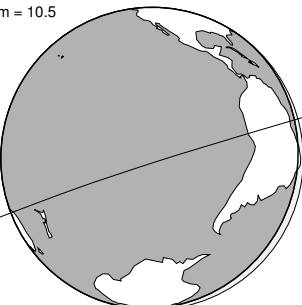
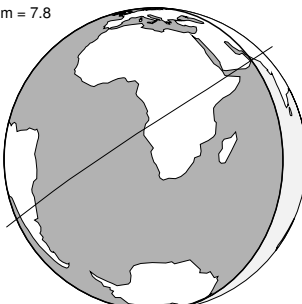
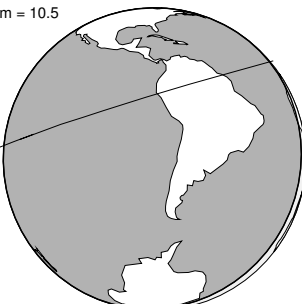
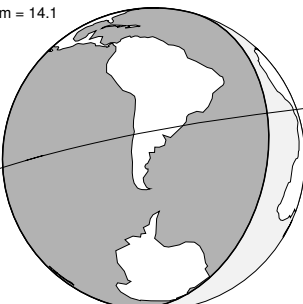
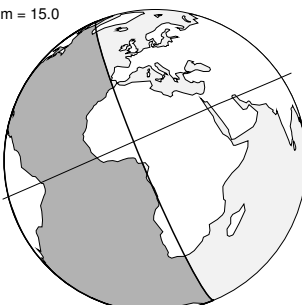
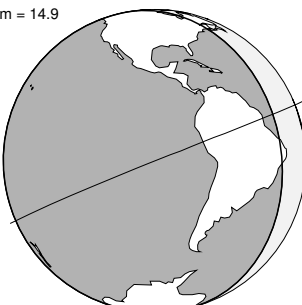
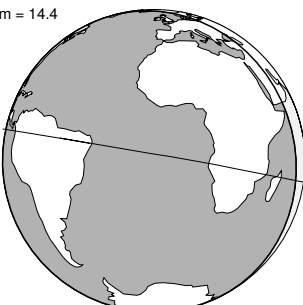
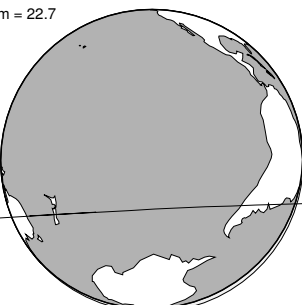
Occultations by major and minor planets – 2024

Region 2

2024 may 26 1h 6.6m A24_05031 80 Sappho HIP 76708 Diam = 81.7 m = 7.2 m = 11.1  Dur = 7.0s Dmag = 3.9 Sun: 169° Moon: 40°	2024 may 26 2h 2.3m A24_05152 1351 Uzbekistania TYC 7419-02396-1 Diam = 67.1 m = 11.6 m = 14.9  Dur = 6.9s Dmag = 3.3 Sun: 144° Moon: 8°	2024 may 26 8h10.0m A24_05041 111 Ate UCAC5 308-174758 Diam = 139.0 m = 12.4 m = 12.3  Dur = 14.7s Dmag = 0.7 Sun: 152° Moon: 6°	2024 may 27 8h26.3m A24_05028 68 Leto UCAC4 294-174789 Diam = 127.0 m = 11.8 m = 10.8  Dur = 15.7s Dmag = 0.4 Sun: 151° Moon: 19°
2024 may 29 9h14.0m A24_05085 454 Mathesis UCAC4 295-134264 Diam = 84.5 m = 12.3 m = 12.5  Dur = 9.6s Dmag = 0.8 Sun: 161° Moon: 55°	2024 may 29 23h45.7m A24_05093 514 Armida TYC 6177-00722-1 Diam = 110.0 m = 11.6 m = 13.7  Dur = 9.5s Dmag = 2.2 Sun: 160° Moon: 99°	2024 may 30 7h 8.0m B24_05014 278361 2007JJ43 Gaia 065-0188803 Diam = 527.2 m = 14.9 m = 20.6  Dur = 22.2s Dmag = 5.7 Sun: 166° Moon: 72°	2024 may 31 1h28.8m A24_05135 859 Bouzaréah UCAC5 274-095474 Diam = 77.5 m = 12.4 m = 14.8  Dur = 5.3s Dmag = 2.5 Sun: 164° Moon: 85°
2024 may 31 5h53.4m A24_05037 102 Miriam UCAC4 393-127260 Diam = 86.0 m = 12.0 m = 13.2  Dur = 15.6s Dmag = 1.5 Sun: 122° Moon: 41°	2024 jun 1 0h57.9m A24_06055 219 Thusnelda UCAC4 417-069413 Diam = 43.6 m = 12.0 m = 12.1  Dur = 4.8s Dmag = 0.8 Sun: 159° Moon: 96°	2024 jun 1 2h26.4m A24_06196 469442 2002GG166 UCAC4 299-152494 Diam = 94.2 m = 9.6 m = 20.1  Dur = 5.1s Dmag = 10.5 Sun: 159° Moon: 89°	2024 jun 2 3h57.4m A24_06061 308 Polyxo UCAC4 368-121684 Diam = 148.0 m = 12.1 m = 11.9  Dur = 16.3s Dmag = 0.7 Sun: 158° Moon: 102°
2024 jun 2 7h17.6m A24_06123 737 Arequipa TYC 0513-01223-1 Diam = 46.3 m = 9.6 m = 12.2  Dur = 4.7s Dmag = 2.7 Sun: 113° Moon: 61°	2024 jun 3 0h20.7m A24_06035 111 Ate UCAC4 308-172957 Diam = 139.0 m = 10.5 m = 12.1  Dur = 12.5s Dmag = 1.8 Sun: 160° Moon: 115°	2024 jun 3 2h51.8m B24_06006 119951 2002KX14 UCAC4 333-128521 Diam = 476.4 m = 14.3 m = 20.6  Dur = 20.3s Dmag = 6.3 Sun: 164° Moon: 120°	2024 jun 3 6h53.2m A24_06023 68 Leto UCAC5 292-151518 Diam = 127.0 m = 12.4 m = 10.6  Dur = 13.5s Dmag = 0.2 Sun: 158° Moon: 118°

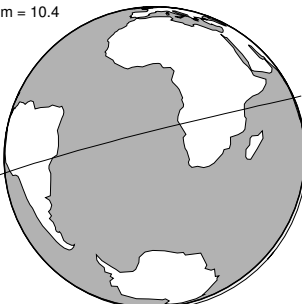
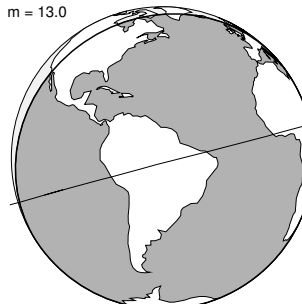
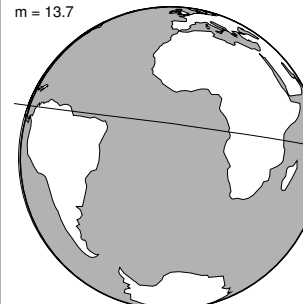
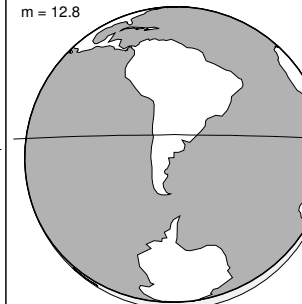
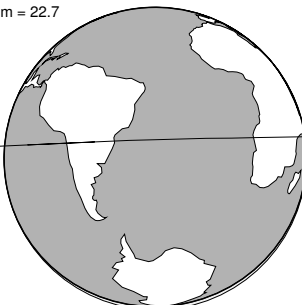
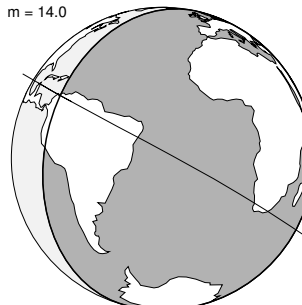
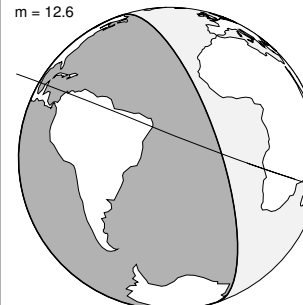
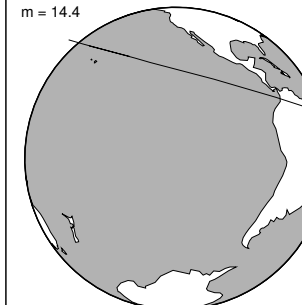
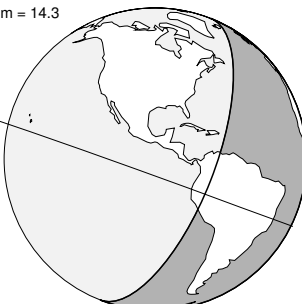
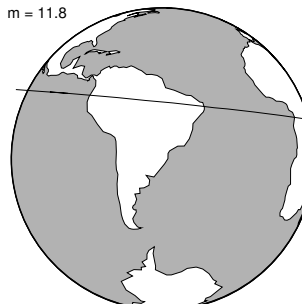
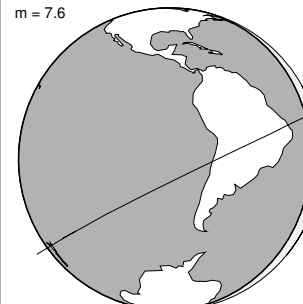
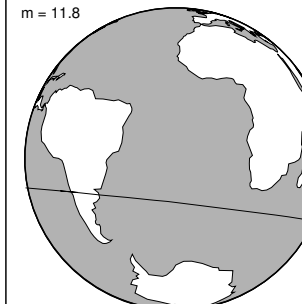
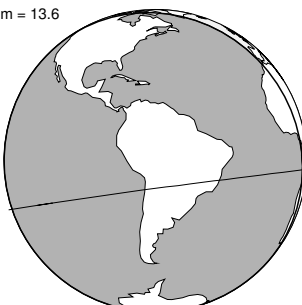
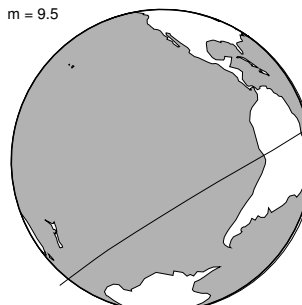
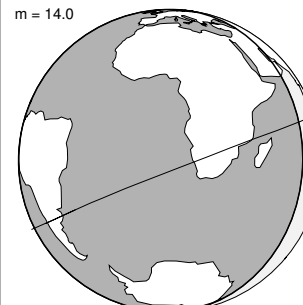
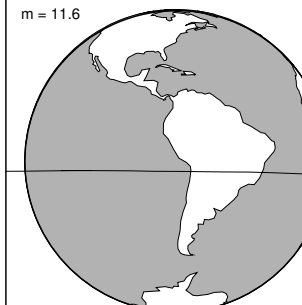
Occultations by major and minor planets – 2024

Region 2

2024 jun 4 21h26.4m A24_06099 570 Kythera TYC 5561–00117–1 Diam = 106.0 m = 9.7 m = 14.7  Dur = 11.7s Dmag = 5.0 Sun: 141° Moon: 162°	2024 jun 5 3h11.7m A24_06034 111 Ate UCAC5 309–146095 Diam = 139.0 m = 12.3 m = 12.1  Dur = 12.1s Dmag = 0.6 Sun: 163° Moon: 146°	2024 jun 5 7h33.9m A24_06058 266 Aline UCAC4 455–116371 Diam = 113.0 m = 11.9 m = 13.7  Dur = 10.7s Dmag = 1.9 Sun: 110° Moon: 94°	2024 jun 5 22h50.1m A24_06138 904 Rockefeller UCAC5 454–048204 Diam = 62.5 m = 12.4 m = 15.4  Dur = 5.8s Dmag = 3.0 Sun: 101° Moon: 109°
2024 jun 6 5h10.3m A24_06068 373 Melusina UCAC4 231–113899 Diam = 99.6 m = 12.2 m = 13.8  Dur = 7.8s Dmag = 1.8 Sun: 158° Moon: 163°	2024 jun 6 5h11.7m A24_06033 111 Ate UCAC5 309–143153 Diam = 139.0 m = 12.4 m = 12.0  Dur = 12.0s Dmag = 0.6 Sun: 164° Moon: 161°	2024 jun 7 4h29.7m B24_06007 120216 2004EW95 UCAC4 247–082361 Diam = 200.4 m = 14.7 m = 21.0  Dur = 8.8s Dmag = 6.3 Sun: 156° Moon: 155°	2024 jun 7 8h50.2m A24_06024 68 Leto UCAC4 291–160555 Diam = 127.0 m = 11.9 m = 10.5  Dur = 12.7s Dmag = 0.3 Sun: 162° Moon: 174°
2024 jun 8 1h16.0m A24_06001 1 Ceres TYC 6884–01732–1 Diam = 952.5 m = 12.3 m = 7.8  Dur = 102.5s Dmag = 0.0 Sun: 147° Moon: 167°	2024 jun 8 6h26.7m A24_06027 68 Leto TYC 7395–00066–1 Diam = 127.0 m = 9.8 m = 10.5  Dur = 12.5s Dmag = 1.2 Sun: 163° Moon: 171°	2024 jun 8 7h 9.1m A24_06168 1241 Dysona UCAC4 233–181324 Diam = 86.2 m = 12.5 m = 14.1  Dur = 13.0s Dmag = 1.8 Sun: 137° Moon: 158°	2024 jun 11 2h58.2m A24_06021 64 Angelina UCAC4 354–070680 Diam = 121.9 m = 11.2 m = 11.6  Dur = 15.8s Dmag = 1.0 Sun: 149° Moon: 94°
2024 jun 11 5h21.9m A24_06106 611 Valeria HIP 116035 Diam = 59.0 m = 7.7 m = 15.0  Dur = 3.2s Dmag = 7.2 Sun: 85° Moon: 140°	2024 jun 11 8h47.8m A24_06146 931 Whittemora TYC 6307–01385–1 Diam = 52.6 m = 9.8 m = 14.9  Dur = 4.9s Dmag = 5.1 Sun: 146° Moon: 154°	2024 jun 12 2h 7.6m A24_06178 1315 Bronislaw TYC 6281–00786–1 Diam = 65.5 m = 7.8 m = 14.4  Dur = 6.4s Dmag = 6.7 Sun: 158° Moon: 133°	2024 jun 12 8h53.3m B24_06009 135571 2002GG32 UCAC4 274–115999 Diam = 155.6 m = 14.6 m = 22.7  Dur = 6.6s Dmag = 8.1 Sun: 166° Moon: 116°

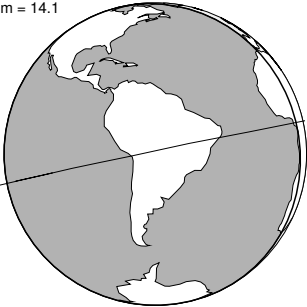
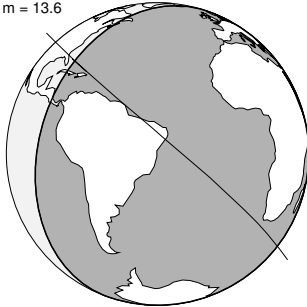
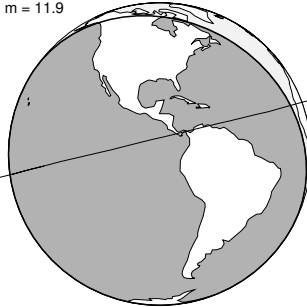
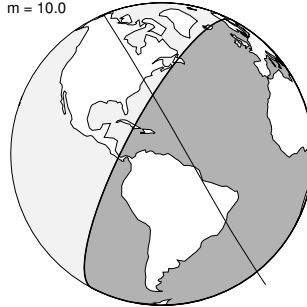
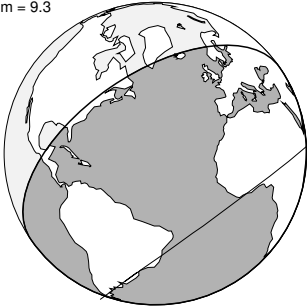
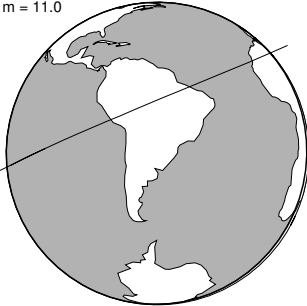
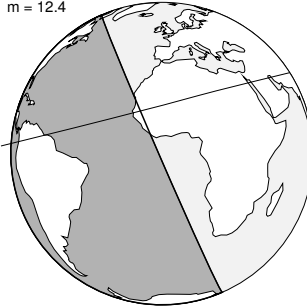
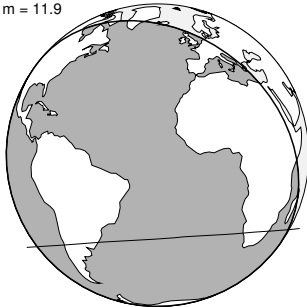
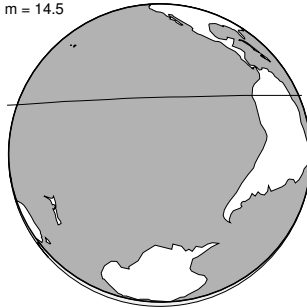
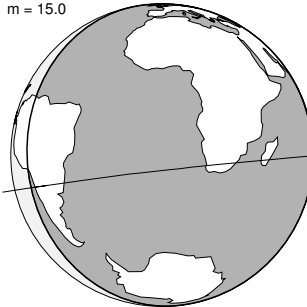
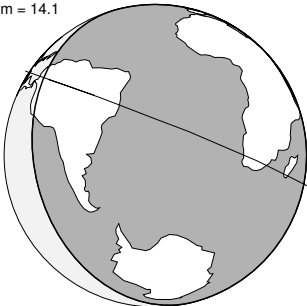
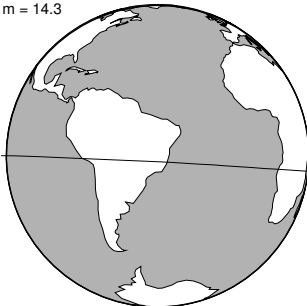
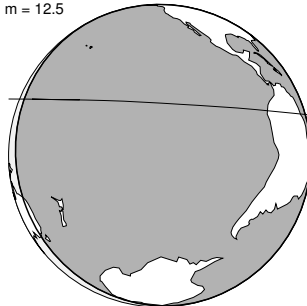
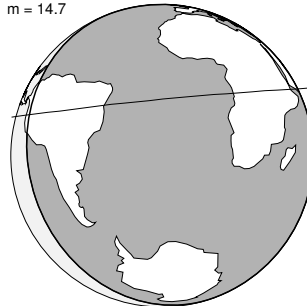
Occultations by major and minor planets – 2024

Region 2

2024 jun 13 0h25.3m A24_06029 68 Leto UCAC4 289–145165 Diam = 127.0 m = 11.4 m = 10.4  Dur = 12.0s Dmag = 0.4 Sun: 167° Moon: 112°	2024 jun 13 2h47.6m A24_06108 618 Elfriede UCAC5 422–062678 Diam = 124.0 m = 12.5 m = 13.0  Dur = 9.4s Dmag = 1.1 Sun: 157° Moon: 85°	2024 jun 14 0h 3.0m A24_06102 586 Thekla TYC 6230–00593–1 Diam = 85.0 m = 11.3 m = 13.7  Dur = 6.7s Dmag = 2.5 Sun: 171° Moon: 83°	2024 jun 15 4h26.9m A24_06042 134 Sophrosyne TYC 7890–02280–1 Diam = 107.0 m = 8.5 m = 12.8  Dur = 8.5s Dmag = 4.3 Sun: 161° Moon: 85°
2024 jun 16 2h13.2m B24_06008 135571 2002GG32 UCAC4 274–115232 Diam = 155.6 m = 14.7 m = 22.7  Dur = 6.6s Dmag = 8.0 Sun: 167° Moon: 72°	2024 jun 16 23h 3.7m A24_06094 514 Armida UCAC4 353–072109 Diam = 110.0 m = 12.3 m = 14.0  Dur = 15.7s Dmag = 2.0 Sun: 141° Moon: 21°	2024 jun 17 7h 1.8m A24_06080 423 Diotima UCAC5 346–184028 Diam = 217.0 m = 12.4 m = 12.6  Dur = 24.7s Dmag = 0.8 Sun: 109° Moon: 125°	2024 jun 17 8h13.7m A24_06172 1306 Scythia UCAC4 321–123399 Diam = 69.5 m = 11.4 m = 14.4  Dur = 4.7s Dmag = 3.0 Sun: 176° Moon: 58°
2024 jun 17 22h55.9m A24_06018 46 Hestia HIP 50812 Diam = 131.0 m = 8.6 m = 14.3  Dur = 5.0s Dmag = 5.7 Sun: 66° Moon: 64°	2024 jun 18 3h28.5m A24_06037 111 Ate TYC 6840–00011–1 Diam = 139.0 m = 11.5 m = 11.8  Dur = 11.1s Dmag = 0.9 Sun: 175° Moon: 48°	2024 jun 18 7h33.0m A24_06003 1 Ceres TYC 6883–01100–1 Diam = 952.5 m = 11.3 m = 7.6  Dur = 83.4s Dmag = 0.0 Sun: 158° Moon: 65°	2024 jun 20 1h 5.8m A24_06039 111 Ate UCAC5 310–124249 Diam = 139.0 m = 12.5 m = 11.8  Dur = 11.1s Dmag = 0.5 Sun: 175° Moon: 23°
2024 jun 20 5h24.2m A24_06143 924 Toni UCAC5 390–100040 Diam = 87.6 m = 12.4 m = 13.6  Dur = 8.1s Dmag = 1.4 Sun: 162° Moon: 40°	2024 jun 20 8h29.2m A24_06017 42 Isis UCAC4 320–196700 Diam = 107.0 m = 12.5 m = 9.5  Dur = 14.6s Dmag = 0.1 Sun: 170° Moon: 30°	2024 jun 21 1h43.6m A24_06051 162 Laurentia TYC 6904–00984–1 Diam = 105.0 m = 11.3 m = 14.0  Dur = 9.1s Dmag = 2.7 Sun: 151° Moon: 40°	2024 jun 21 4h58.6m A24_06063 308 Polyxo UCAC5 369–105350 Diam = 148.0 m = 12.3 m = 11.6  Dur = 13.9s Dmag = 0.5 Sun: 172° Moon: 15°

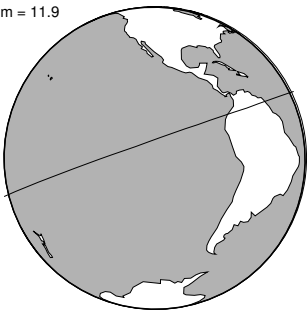
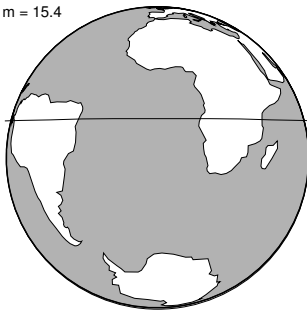
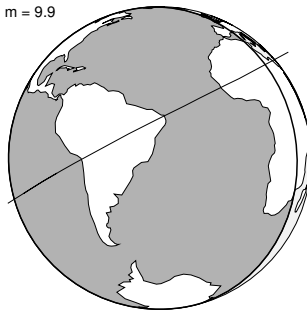
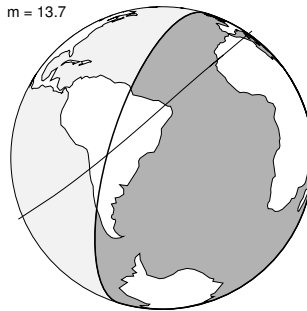
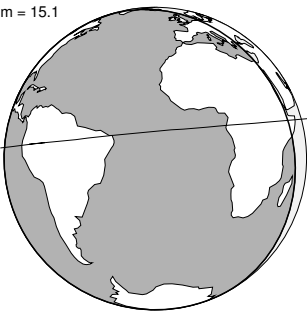
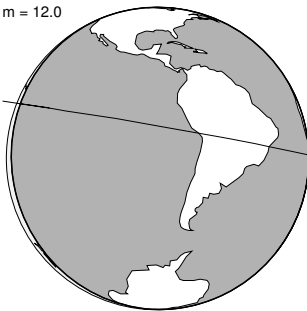
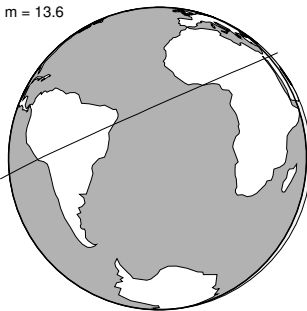
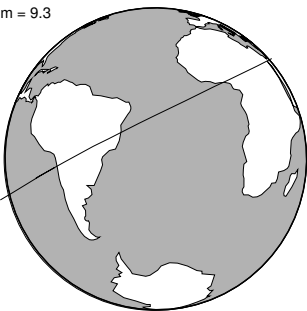
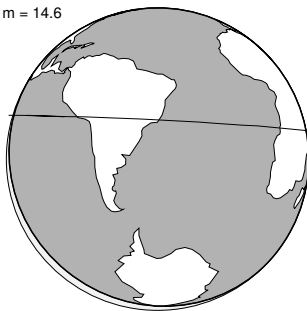
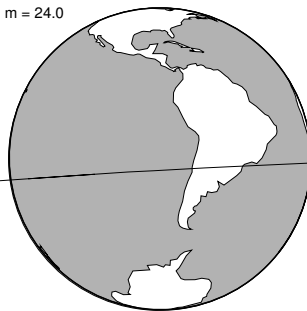
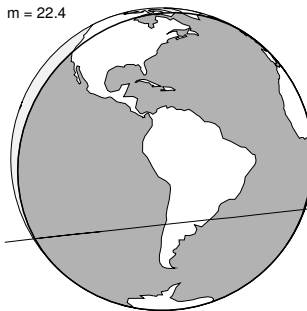
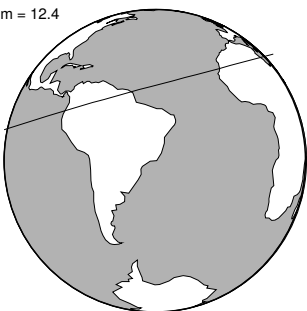
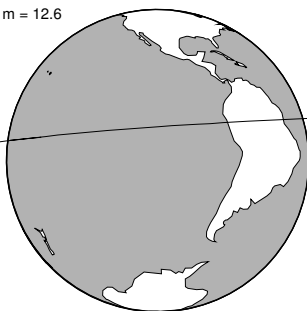
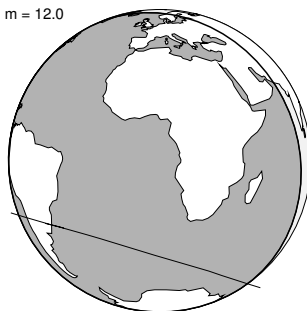
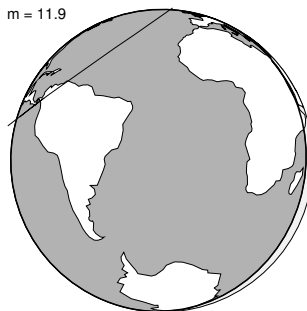
Occultations by major and minor planets – 2024

Region 2

2024 jun 21 5h18.8m A24_06079 415 Palatia TYC 6300–00561–1 Diam = 80.1 m = 9.9 m = 14.1  Dur = 5.8s Dmag = 4.3 Sun: 162° Moon: 29°	2024 jun 21 23h57.3m A24_06111 640 Brambilla UCAC4 375–071829 Diam = 84.8 m = 12.3 m = 13.6  Dur = 12.4s Dmag = 1.6 Sun: 141° Moon: 39°	2024 jun 22 6h58.5m A24_06041 130 Elektra UCAC4 453–086268 Diam = 189.0 m = 12.2 m = 11.9  Dur = 15.5s Dmag = 0.6 Sun: 151° Moon: 31°	2024 jun 22 23h47.1m A24_06097 532 Herculina TYC 0895–00360–1 Diam = 216.5 m = 11.2 m = 10.0  Dur = 14.6s Dmag = 0.3 Sun: 104° Moon: 89°
2024 jun 23 0h41.7m A24_06006 2 Pallas UCAC4 580–052313 Diam = 530.9 m = 12.1 m = 9.3  Dur = 48.5s Dmag = 0.1 Sun: 121° Moon: 69°	2024 jun 23 4h32.1m A24_06087 471 Papagena UCAC4 308–250276 Diam = 127.0 m = 11.9 m = 11.0  Dur = 9.0s Dmag = 0.4 Sun: 169° Moon: 6°	2024 jun 23 6h18.4m A24_06032 96 Aegle TYC 7917–00537–1 Diam = 174.0 m = 9.4 m = 12.3  Dur = 13.4s Dmag = 3.0 Sun: 160° Moon: 11°	2024 jun 23 6h32.2m A24_06009 17 Thetis UCAC4 442–000368 Diam = 93.2 m = 12.2 m = 12.4  Dur = 5.3s Dmag = 0.9 Sun: 88° Moon: 75°
2024 jun 25 4h42.4m A24_06045 134 Sophrosyne UCAC4 246–134142 Diam = 107.0 m = 11.3 m = 12.8  Dur = 8.5s Dmag = 1.8 Sun: 161° Moon: 49°	2024 jun 26 3h11.5m A24_06072 386 Siegena UCAC4 472–108889 Diam = 173.0 m = 11.2 m = 11.9  Dur = 18.9s Dmag = 1.2 Sun: 144° Moon: 38°	2024 jun 26 7h50.3m A24_06183 1351 Uzbekistania UCAC4 265–162604 Diam = 67.1 m = 11.1 m = 14.5  Dur = 4.9s Dmag = 3.5 Sun: 166° Moon: 58°	2024 jun 26 22h13.9m A24_06149 1024 Hale Gaia 061–0162522 Diam = 43.2 m = 11.8 m = 15.0  Dur = 3.8s Dmag = 3.3 Sun: 152° Moon: 89°
2024 jun 26 23h 7.7m A24_06115 697 Galilea UCAC5 252–077749 Diam = 82.5 m = 12.5 m = 14.1  Dur = 9.7s Dmag = 1.8 Sun: 143° Moon: 95°	2024 jun 27 2h50.1m A24_06165 1167 Dubiago UCAC4 366–123005 Diam = 69.0 m = 11.3 m = 14.3  Dur = 5.7s Dmag = 3.0 Sun: 173° Moon: 68°	2024 jun 27 7h13.4m A24_06086 454 Mathesis UCAC5 293–116793 Diam = 84.5 m = 12.5 m = 12.5  Dur = 10.0s Dmag = 0.8 Sun: 161° Moon: 85°	2024 jun 27 23h 9.4m A24_06158 1042 Amazone TYC 7357–00169–1 Diam = 76.7 m = 11.9 m = 14.7  Dur = 6.6s Dmag = 2.9 Sun: 151° Moon: 101°

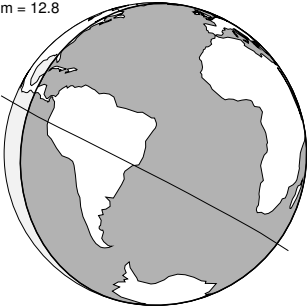
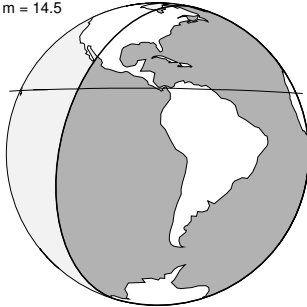
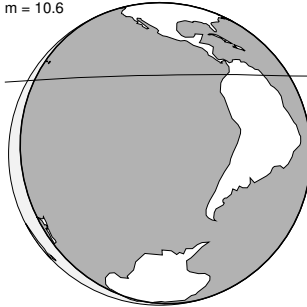
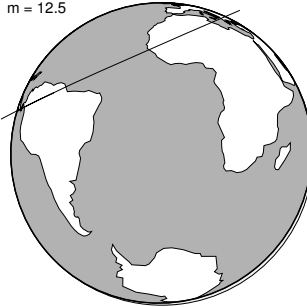
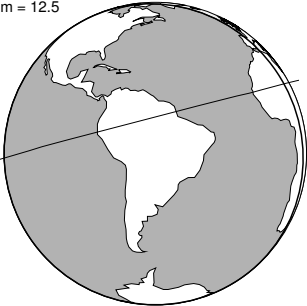
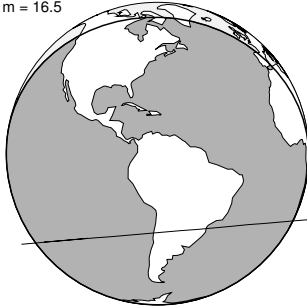
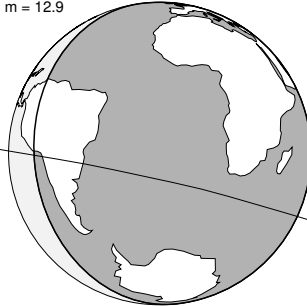
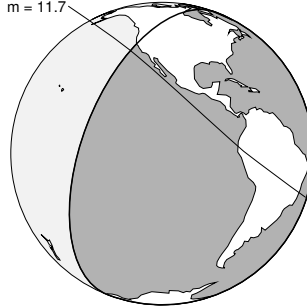
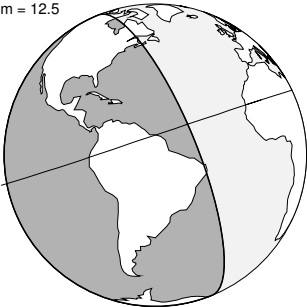
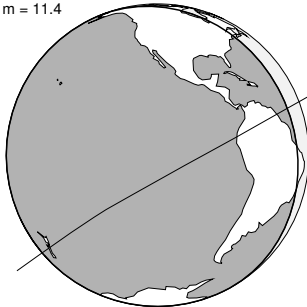
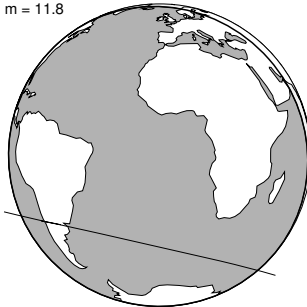
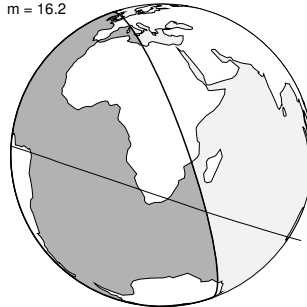
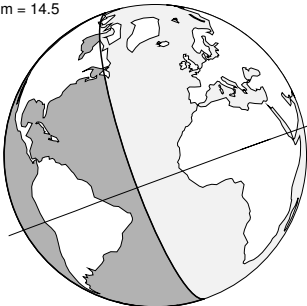
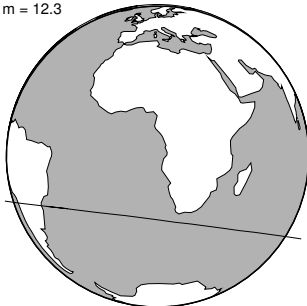
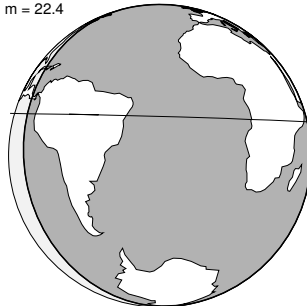
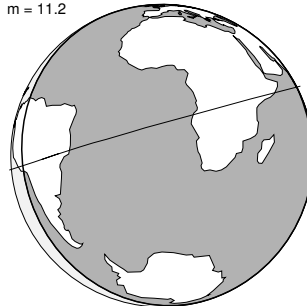
Occultations by major and minor planets – 2024

Region 2

2024 jun 28 7h51.9m A24_06091 487 Venetia UCAC4 355–175322 Diam = 64.0 m = 11.8  Dur = 5.4s Dmag = 0.8 Sun: 170° Moon: 74°	2024 jun 29 0h29.7m A24_06184 1463 Nordenmarkia UCAC4 295–209176 Diam = 51.7 m = 11.9  Dur = 3.6s Dmag = 3.5 Sun: 171° Moon: 90°	2024 jun 30 4h20.5m A24_06015 40 Harmonia TYC 6341–01254–1 Diam = 111.0 m = 9.9  Dur = 16.0s Dmag = 2.0 Sun: 154° Moon: 82°	2024 jun 30 21h31.1m A24_06048 141 Lumen UCAC4 325–070451 Diam = 135.0 m = 12.1  Dur = 21.3s Dmag = 1.8 Sun: 110° Moon: 167°
2024 jul 1 2h56.2m A24_07173 1256 Normannia TYC 5753–01566–1 Diam = 78.0 m = 15.1  Dur = 7.2s Dmag = 3.1 Sun: 155° Moon: 95°	2024 jul 1 4h54.2m A24_07045 111 Ate TYC 6835–00413–1 Diam = 139.0 m = 12.2  Dur = 11.9s Dmag = 0.7 Sun: 164° Moon: 135°	2024 jul 2 2h19.9m A24_07146 866 Fatme UCAC4 324–206319 Diam = 91.7 m = 13.6  Dur = 7.8s Dmag = 1.4 Sun: 165° Moon: 118°	2024 jul 3 5h 3.3m A24_07131 702 Alauda UCAC4 391–128057 Diam = 202.0 m = 12.5  Dur = 16.6s Dmag = 0.6 Sun: 150° Moon: 116°
2024 jul 4 1h17.7m A24_07018 42 Isis UCAC4 312–207030 Diam = 107.0 m = 9.3  Dur = 14.2s Dmag = 0.2 Sun: 171° Moon: 163°	2024 jul 4 2h 5.1m A24_07182 1351 Uzbekistania UCAC5 265–143508 Diam = 67.1 m = 14.6  Dur = 5.1s Dmag = 2.4 Sun: 162° Moon: 165°	2024 jul 4 5h26.1m A24_07198 2004KL19 UCAC5 309–204486 Diam = 75.9 m = 24.0  Dur = 3.2s Dmag = 11.7 Sun: 172° Moon: 164°	2024 jul 5 3h42.9m B24_07011 533561 2014JN80 UCAC4 407–071911 Diam = 197.7 m = 22.4  Dur = 8.5s Dmag = 8.6 Sun: 157° Moon: 159°
2024 jul 7 3h25.2m A24_07063 261 Prymno TYC 6889–01768–1 Diam = 52.6 m = 12.4  Dur = 4.9s Dmag = 2.9 Sun: 173° Moon: 172°	2024 jul 7 6h56.2m A24_07035 73 Klytia TYC 6868–00267–1 Diam = 45.0 m = 12.6  Dur = 3.9s Dmag = 2.5 Sun: 174° Moon: 160°	2024 jul 8 1h13.2m A24_07132 702 Alauda TYC 5763–01712–1 Diam = 202.0 m = 12.0  Dur = 15.4s Dmag = 0.9 Sun: 155° Moon: 169°	2024 jul 8 2h55.2m A24_07119 579 Sidonia UCAC4 306–279051 Diam = 89.6 m = 11.9  Dur = 8.3s Dmag = 0.7 Sun: 161° Moon: 169°

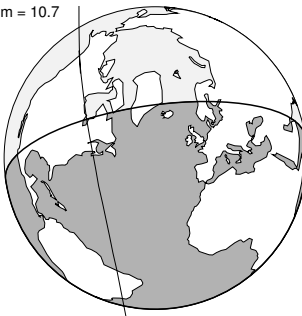
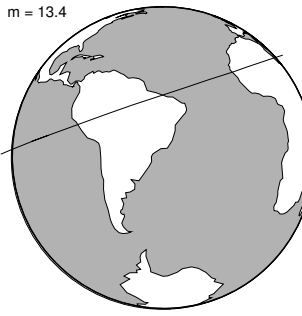
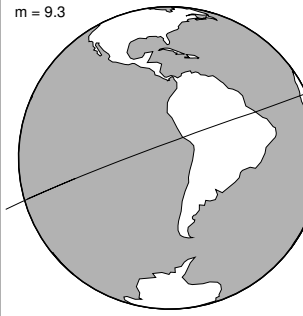
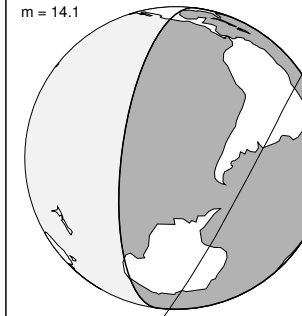
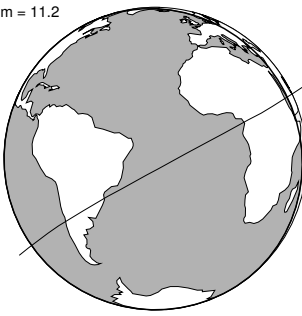
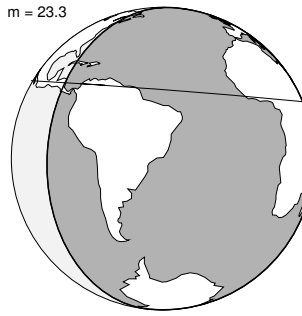
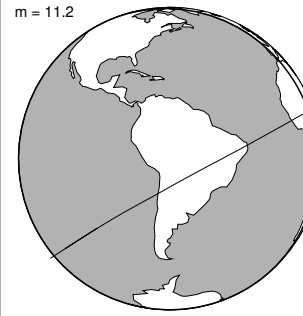
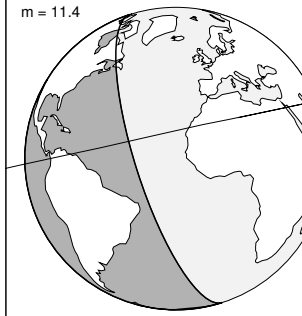
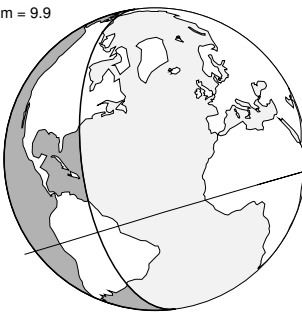
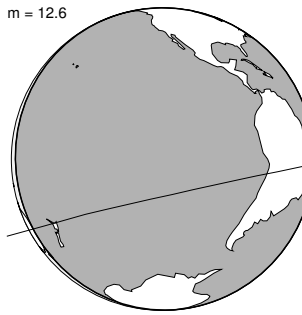
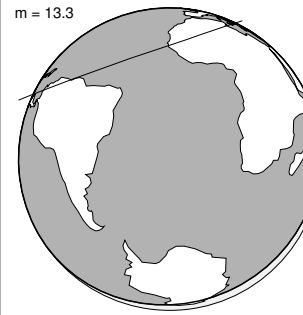
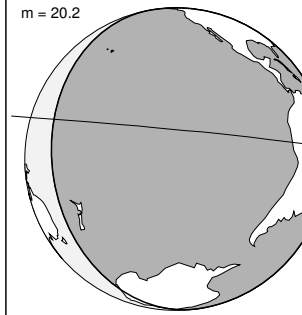
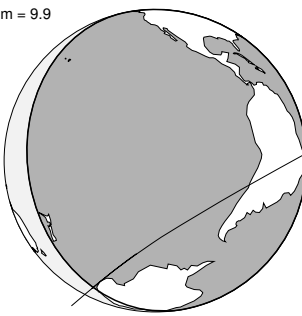
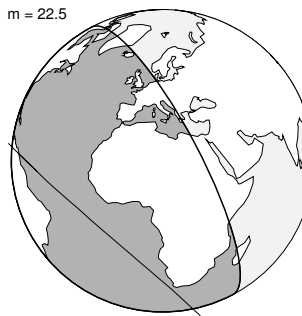
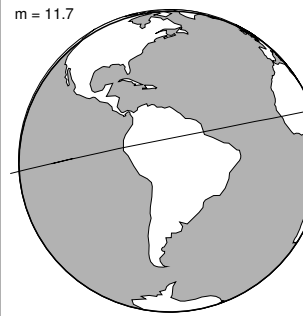
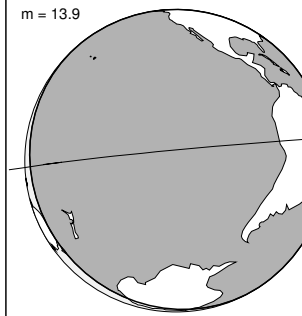
Occultations by major and minor planets – 2024

Region 2

2024 jul 9 0h29.4m A24_07129 683 Lanzia UCAC4 356–091610 Diam = 116.0 m = 11.9 m = 12.8  Dur = 10.5s Dmag = 1.3 Sun: 152° Moon: 116°	2024 jul 9 2h 1.6m A24_07029 62 Erato TYC 6189–01574–1 Diam = 99.3 m = 10.9 m = 14.5  Dur = 19.6s Dmag = 3.7 Sun: 130° Moon: 93°	2024 jul 9 5h25.9m A24_07031 68 Leto UCAC4 285–128605 Diam = 127.0 m = 11.6 m = 10.6  Dur = 14.3s Dmag = 0.3 Sun: 155° Moon: 120°	2024 jul 10 1h23.4m A24_07052 145 Adeona UCAC4 291–217388 Diam = 155.0 m = 12.5 m = 12.5  Dur = 11.0s Dmag = 0.8 Sun: 167° Moon: 138°
2024 jul 10 4h52.0m A24_07047 114 Cassandra TYC 5752–00722–1 Diam = 103.0 m = 11.0 m = 12.5  Dur = 8.4s Dmag = 1.7 Sun: 165° Moon: 144°	2024 jul 10 4h53.7m A24_07187 2235 Vittore TYC 0469–01538–1 Diam = 54.6 m = 9.5 m = 16.5  Dur = 3.5s Dmag = 7.0 Sun: 154° Moon: 130°	2024 jul 11 22h36.1m A24_07107 454 Mathesis TYC 7360–02166–1 Diam = 84.5 m = 10.5 m = 12.9  Dur = 16.1s Dmag = 2.5 Sun: 146° Moon: 79°	2024 jul 12 3h36.7m A24_07028 56 Melete UCAC4 413–063548 Diam = 90.8 m = 11.7 m = 12.1  Dur = 24.9s Dmag = 0.6 Sun: 122° Moon: 53°
2024 jul 13 8h39.2m A24_07051 138 Tolosa TYC 4665–00423–1 Diam = 47.5 m = 11.5 m = 12.5  Dur = 4.4s Dmag = 1.4 Sun: 106° Moon: 169°	2024 jul 13 9h10.9m A24_07080 335 Roberta UCAC4 389–133849 Diam = 93.6 m = 11.8 m = 11.4  Dur = 17.8s Dmag = 0.6 Sun: 155° Moon: 120°	2024 jul 16 1h31.0m A24_07133 702 Alauda UCAC4 395–123830 Diam = 202.0 m = 12.1 m = 11.8  Dur = 14.3s Dmag = 0.6 Sun: 163° Moon: 81°	2024 jul 17 4h 3.7m A24_07194 5648 Axius HIP 6870 Diam = 60.3 m = 9.9 m = 16.2  Dur = 5.0s Dmag = 6.3 Sun: 99° Moon: 127°
2024 jul 17 8h10.3m A24_07085 336 Lacadiera UCAC4 537–003700 Diam = 72.0 m = 12.1 m = 14.5  Dur = 3.3s Dmag = 2.5 Sun: 79° Moon: 152°	2024 jul 18 23h15.2m A24_07127 654 Zelinda TYC 5732–00220–1 Diam = 132.0 m = 10.1 m = 12.3  Dur = 8.8s Dmag = 2.4 Sun: 171° Moon: 34°	2024 jul 18 23h53.9m B24_07015 2003LA7 Gaia 062–0272907 Diam = 208.9 m = 14.7 m = 22.4  Dur = 10.1s Dmag = 7.7 Sun: 153° Moon: 6°	2024 jul 19 22h31.6m A24_07110 471 Papagena TYC 7393–01256–1 Diam = 127.0 m = 11.0 m = 11.2  Dur = 10.3s Dmag = 0.8 Sun: 156° Moon: 3°

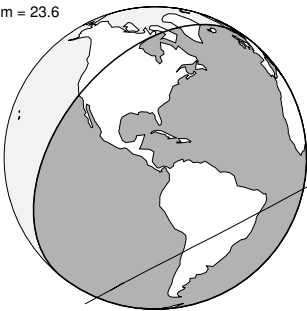
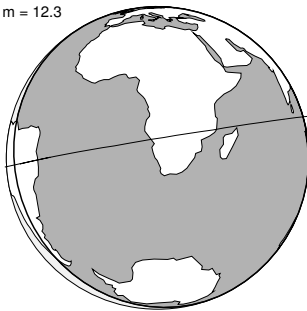
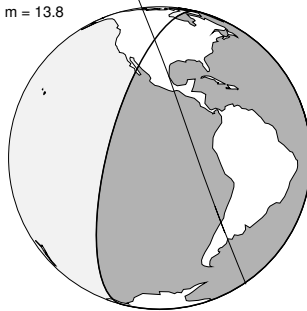
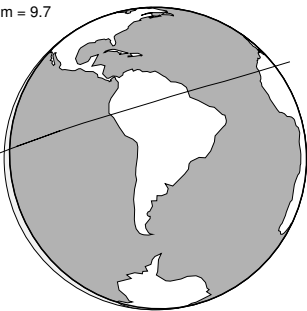
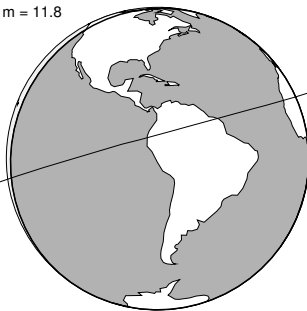
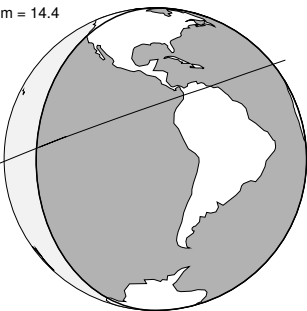
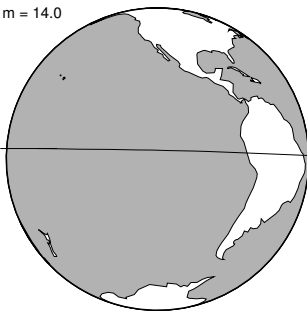
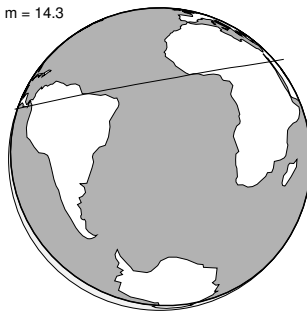
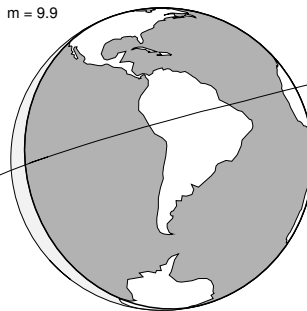
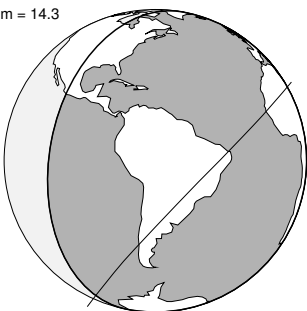
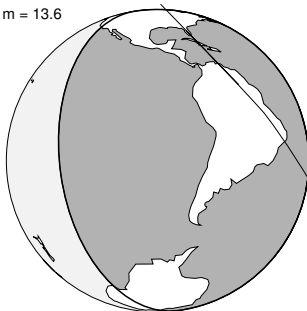
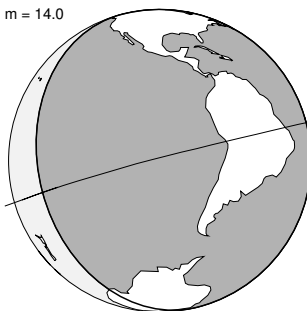
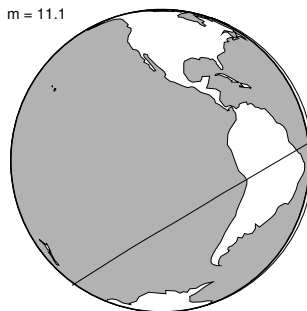
Occultations by major and minor planets – 2024

Region 2

2024 jul 20 1h33.7m A24_07165 1036 Ganymed UCAC4 693–067622 Diam = 41.0 m = 12.0 m = 10.7  Dur = 5.2s Dmag = 0.3 Sun: 110° Moon: 77°	2024 jul 20 2h35.4m A24_07147 866 Fatme UCAC4 317–224413 Diam = 91.7 m = 12.3 m = 13.4  Dur = 7.5s Dmag = 1.5 Sun: 171° Moon: 10°	2024 jul 20 5h35.0m A24_07014 40 Harmonia UCAC5 333–197951 Diam = 111.0 m = 12.4 m = 9.3  Dur = 12.0s Dmag = 0.1 Sun: 176° Moon: 17°	2024 jul 21 1h20.2m A24_07126 626 Notburga UCAC4 206–086309 Diam = 104.0 m = 11.5 m = 14.1  Dur = 9.3s Dmag = 2.7 Sun: 111° Moon: 62°
2024 jul 21 2h49.8m A24_07084 335 Roberta TYC 5778–01584–1 Diam = 93.6 m = 9.4 m = 11.2  Dur = 14.3s Dmag = 2.1 Sun: 164° Moon: 21°	2024 jul 22 0h 2.5m B24_07016 2004HC79 UCAC4 334–094425 Diam = 156.3 m = 14.9 m = 23.3  Dur = 9.1s Dmag = 8.4 Sun: 139° Moon: 48°	2024 jul 22 5h24.1m A24_07081 335 Roberta TYC 5782–00044–1 Diam = 93.6 m = 11.4 m = 11.2  Dur = 14.0s Dmag = 0.7 Sun: 165° Moon: 9°	2024 jul 22 8h19.0m A24_07006 11 Parthenope UCAC4 512–004438 Diam = 162.0 m = 12.2 m = 11.4  Dur = 6.4s Dmag = 0.4 Sun: 74° Moon: 93°
2024 jul 22 10h 4.1m A24_07007 15 Eunomia TYC 1811–01347–1 Diam = 272.0 m = 11.1 m = 9.9  Dur = 7.9s Dmag = 0.3 Sun: 60° Moon: 107°	2024 jul 24 7h 4.0m A24_07064 261 Prymno Gaia 066–0289706 Diam = 52.6 m = 12.3 m = 12.6  Dur = 5.3s Dmag = 0.9 Sun: 166° Moon: 53°	2024 jul 25 1h44.8m A24_07057 152 Atala TYC 7466–00679–1 Diam = 89.9 m = 11.6 m = 13.3  Dur = 6.6s Dmag = 1.9 Sun: 162° Moon: 48°	2024 jul 25 6h14.1m A24_07196 469442 2002GG166 TYC 7377–00144–1 Diam = 94.2 m = 10.6 m = 20.2  Dur = 6.3s Dmag = 9.6 Sun: 144° Moon: 86°
2024 jul 26 5h43.9m A24_07027 42 Isis TYC 6854–02776–1 Diam = 107.0 m = 11.9 m = 9.9  Dur = 26.1s Dmag = 0.2 Sun: 147° Moon: 97°	2024 jul 27 3h33.8m A24_07197 528381 2008ST291 UCAC4 562–001684 Diam = 578.1 m = 12.2 m = 22.5  Dur = 61.5s Dmag = 10.3 Sun: 103° Moon: 15°	2024 jul 27 3h59.9m A24_07042 102 Miriam UCAC4 399–123914 Diam = 86.0 m = 12.4 m = 11.7  Dur = 11.0s Dmag = 0.5 Sun: 170° Moon: 80°	2024 jul 29 7h 7.1m A24_07059 162 Laurentia UCAC4 299–235563 Diam = 105.0 m = 11.6 m = 13.9  Dur = 8.0s Dmag = 2.4 Sun: 161° Moon: 122°

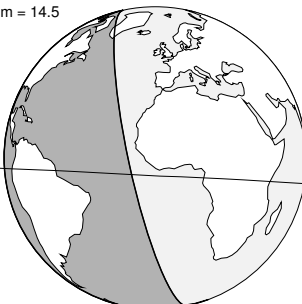
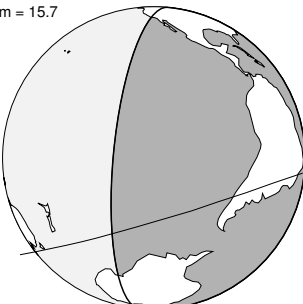
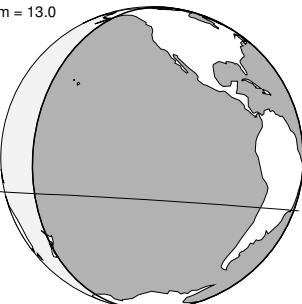
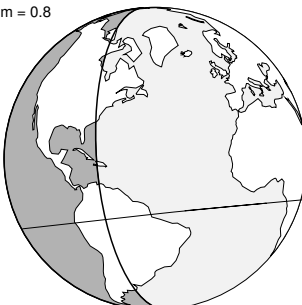
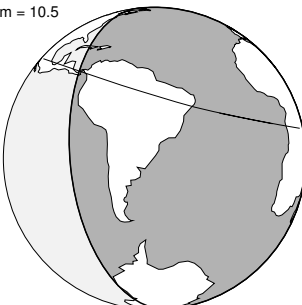
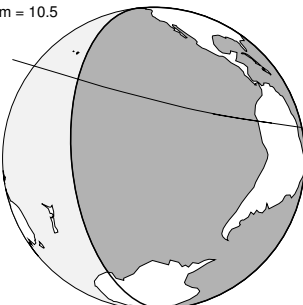
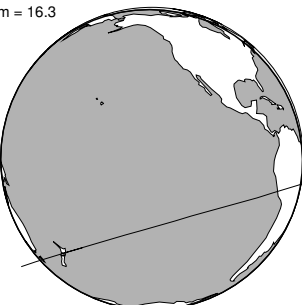
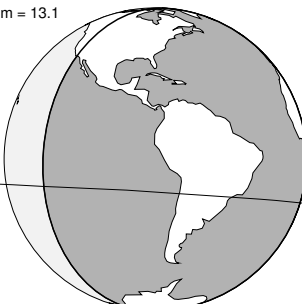
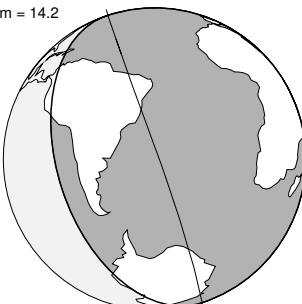
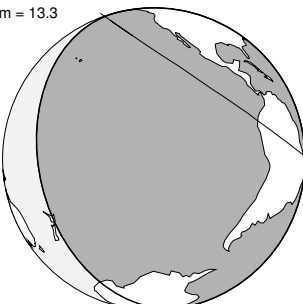
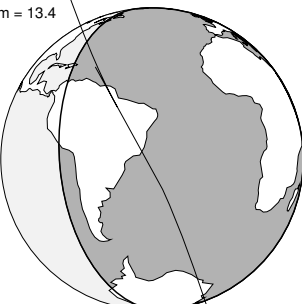
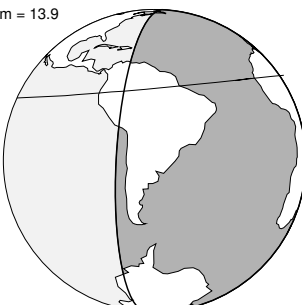
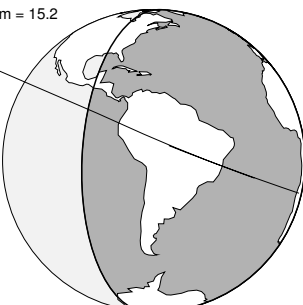
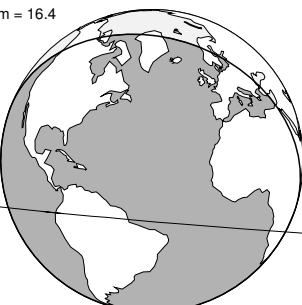
Occultations by major and minor planets – 2024

Region 2

2024 jul 30 3h 2.6m A24_07199 2007LE38 UCAC4 514-071087 Diam = 155.6 m = 12.3 m = 23.6  Dur = 7.4s Dmag = 11.3 Sun: 130° Moon: 132°	2024 aug 1 21h42.6m A24_08067 245 Vera TYC 6901-00008-1 Diam = 84.8 m = 10.1 m = 12.3  Dur = 7.6s Dmag = 2.4 Sun: 159° Moon: 169°	2024 aug 4 2h 5.3m A24_08111 618 Elfriede UCAC4 399-061445 Diam = 124.0 m = 11.9 m = 13.8  Dur = 12.6s Dmag = 2.0 Sun: 110° Moon: 114°	2024 aug 4 2h17.7m A24_08145 1071 Brita TYC 6900-01412-1 Diam = 52.7 m = 11.1 m = 14.5  Dur = 4.4s Dmag = 3.4 Sun: 163° Moon: 169°
2024 aug 4 3h13.3m A24_08011 40 Harmonia UCAC4 327-189379 Diam = 111.0 m = 12.3 m = 9.7  Dur = 13.5s Dmag = 0.1 Sun: 163° Moon: 167°	2024 aug 4 4h17.3m A24_08034 102 Miriam UCAC4 397-121022 Diam = 86.0 m = 10.4 m = 11.8  Dur = 11.6s Dmag = 1.7 Sun: 164° Moon: 164°	2024 aug 7 6h57.2m A24_08126 751 Faïna TYC 7950-01368-1 Diam = 115.0 m = 12.4 m = 12.0  Dur = 11.7s Dmag = 0.6 Sun: 156° Moon: 132°	2024 aug 8 1h43.2m B24_08005 306792 2001KQ77 UCAC4 381-127843 Diam = 158.5 m = 14.3 m = 22.5  Dur = 8.4s Dmag = 8.2 Sun: 144° Moon: 105°
2024 aug 8 3h18.8m A24_08094 415 Palatia TYC 6275-00682-1 Diam = 80.1 m = 11.4 m = 14.4  Dur = 8.0s Dmag = 3.0 Sun: 142° Moon: 101°	2024 aug 8 7h39.7m A24_08147 1118 Hanskyä UCAC4 362-198075 Diam = 80.7 m = 12.3 m = 14.0  Dur = 6.1s Dmag = 1.9 Sun: 178° Moon: 136°	2024 aug 10 0h42.7m A24_08122 721 Tabora TYC 7456-00694-1 Diam = 82.6 m = 9.3 m = 14.3  Dur = 6.5s Dmag = 5.0 Sun: 162° Moon: 105°	2024 aug 12 3h11.1m A24_08013 40 Harmonia TYC 6894-02770-1 Diam = 111.0 m = 8.6 m = 9.9  Dur = 16.6s Dmag = 1.6 Sun: 153° Moon: 70°
2024 aug 13 1h20.7m A24_08110 589 Croatia UCAC4 401-080462 Diam = 92.5 m = 11.9 m = 14.3  Dur = 13.1s Dmag = 2.5 Sun: 134° Moon: 44°	2024 aug 13 2h57.4m A24_08045 151 Abundantia TYC 7395-00302-1 Diam = 46.7 m = 10.6 m = 13.6  Dur = 20.0s Dmag = 3.0 Sun: 130° Moon: 35°	2024 aug 15 4h13.8m A24_08133 866 Fatme TYC 6882-01318-1 Diam = 91.7 m = 11.8 m = 14.0  Dur = 13.2s Dmag = 2.3 Sun: 143° Moon: 24°	2024 aug 15 8h 4.6m A24_08026 52 Europa TYC 5817-00051-1 Diam = 278.0 m = 11.1 m = 11.1  Dur = 20.7s Dmag = 0.7 Sun: 167° Moon: 70°

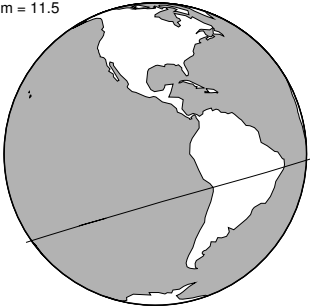
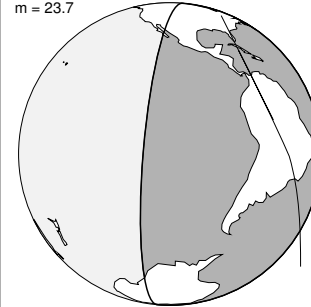
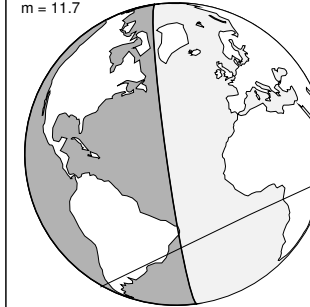
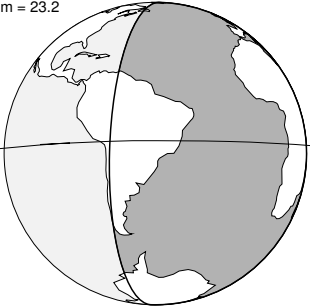
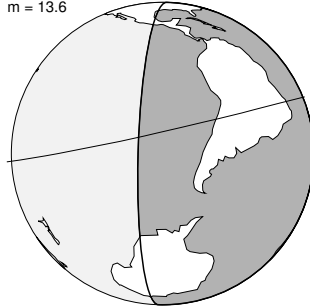
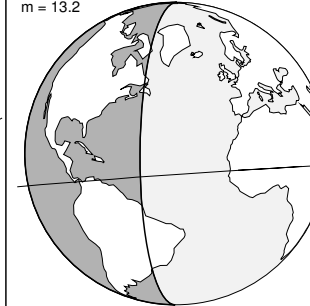
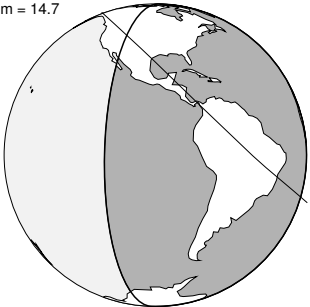
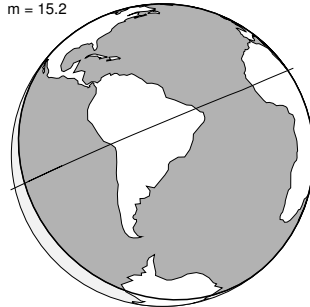
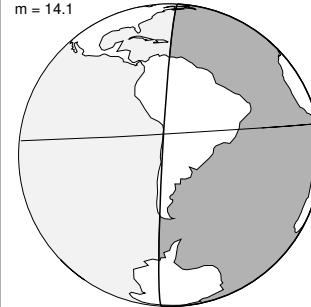
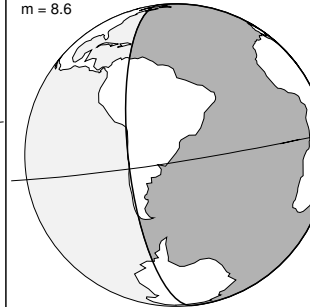
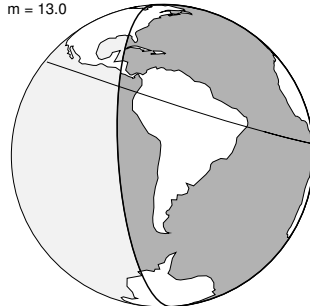
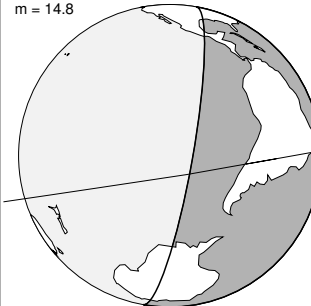
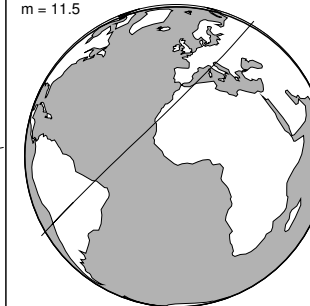
Occultations by major and minor planets – 2024

Region 2

2024 aug 16 7h14.8m A24_08088 381 Myrrha TYC 0667–00183–1 Diam = 136.5 m = 11.5 m = 14.5  Dur = 6.8s Dmag = 3.1 Sun: 79° Moon: 143°	2024 aug 17 4h47.5m A24_08083 335 Roberta TYC 6330–01151–1 Diam = 93.6 m = 10.6 m = 11.3  Dur = 14.6s Dmag = 1.2 Sun: 163° Moon: 20°	2024 aug 18 2h39.7m A24_08131 859 Bouzaréah UCAC4 280–093515 Diam = 77.5 m = 11.8 m = 15.7  Dur = 11.3s Dmag = 3.9 Sun: 105° Moon: 51°	2024 aug 18 5h45.7m A24_08117 654 Zelinda UCAC4 392–108146 Diam = 132.0 m = 11.7 m = 13.0  Dur = 14.9s Dmag = 1.5 Sun: 142° Moon: 22°
2024 aug 19 10h36.4m P24_08001 Mars TYC 1846–00598–1 Diam = 6759.2 m = 8.9 m = 0.8  Dur = 233.3s Dmag = 0.0 Sun: 67° Moon: 117°	2024 aug 19 23h35.0m A24_08018 42 Isis Gaia 059–0258508 Diam = 107.0 m = 10.2 m = 10.5  Dur = 26.7s Dmag = 0.9 Sun: 123° Moon: 59°	2024 aug 21 4h21.5m A24_08019 42 Isis UCAC5 295–149405 Diam = 107.0 m = 12.5 m = 10.5  Dur = 24.5s Dmag = 0.2 Sun: 122° Moon: 76°	2024 aug 21 9h27.0m A24_08166 4708 Polydoros UCAC4 440–123693 Diam = 52.5 m = 11.9 m = 16.3  Dur = 3.4s Dmag = 4.4 Sun: 168° Moon: 16°
2024 aug 22 2h33.6m A24_08118 654 Zelinda TYC 5716–00157–1 Diam = 132.0 m = 10.7 m = 13.1  Dur = 17.5s Dmag = 2.4 Sun: 137° Moon: 74°	2024 aug 22 23h 7.2m A24_08149 1241 Dysona UCAC5 265–167507 Diam = 86.2 m = 12.4 m = 14.2  Dur = 7.7s Dmag = 2.0 Sun: 129° Moon: 93°	2024 aug 24 5h40.6m A24_08096 426 Hippo UCAC4 322–208414 Diam = 134.0 m = 11.7 m = 13.3  Dur = 14.3s Dmag = 1.9 Sun: 139° Moon: 102°	2024 aug 24 22h56.8m A24_08077 283 Emma UCAC4 328–172766 Diam = 150.0 m = 12.4 m = 13.4  Dur = 48.0s Dmag = 1.4 Sun: 127° Moon: 124°
2024 aug 25 5h36.5m A24_08059 202 Chryseïs TYC 6363–00330–1 Diam = 85.5 m = 11.9 m = 12.2  Dur = 6.0s Dmag = 0.9 Sun: 171° Moon: 83°	2024 aug 26 22h43.4m A24_08101 454 Mathesis UCAC4 300–117370 Diam = 84.5 m = 12.2 m = 13.9  Dur = 7.5s Dmag = 1.9 Sun: 104° Moon: 172°	2024 aug 27 0h17.9m A24_08151 1315 Bronisława TYC 6264–01520–1 Diam = 65.5 m = 9.0 m = 15.2  Dur = 18.7s Dmag = 6.2 Sun: 118° Moon: 156°	2024 aug 28 3h31.2m A24_08170 5120 Bitias TYC 2236–00493–1 Diam = 52.5 m = 9.2 m = 16.4  Dur = 3.4s Dmag = 7.2 Sun: 144° Moon: 85°

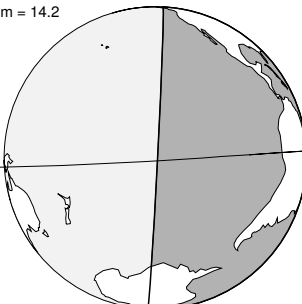
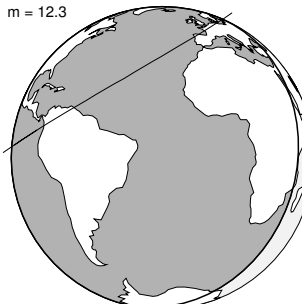
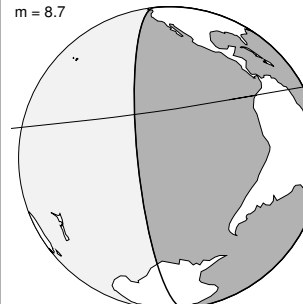
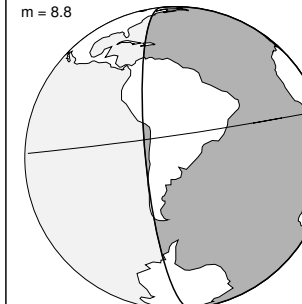
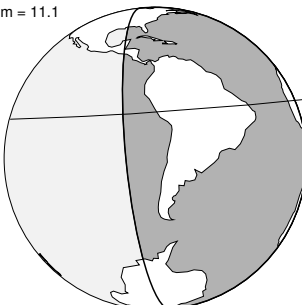
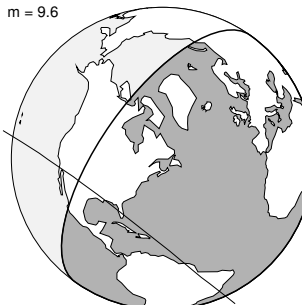
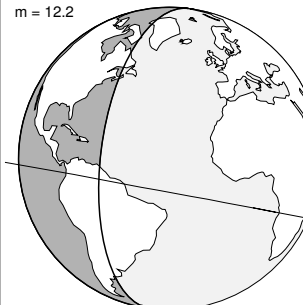
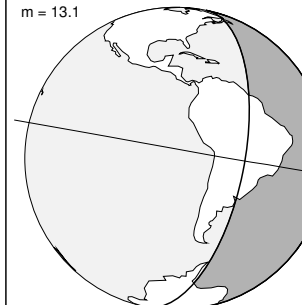
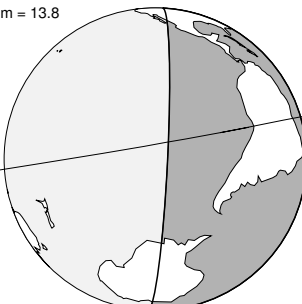
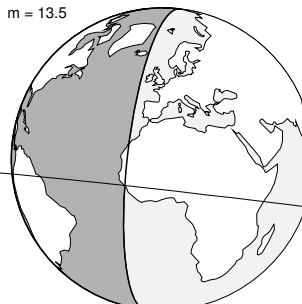
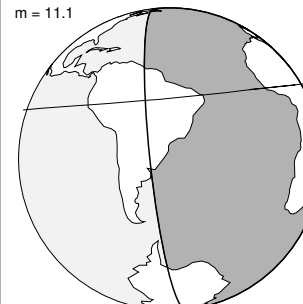
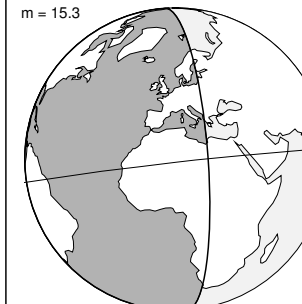
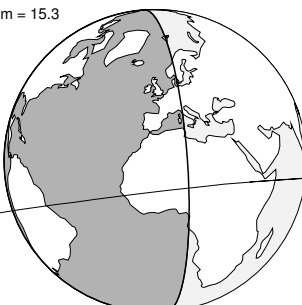
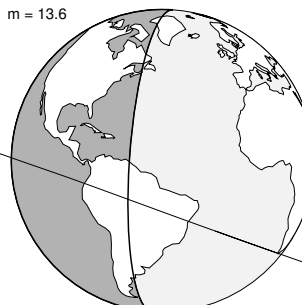
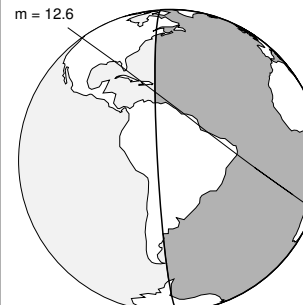
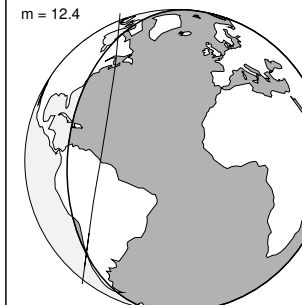
Occultations by major and minor planets – 2024

Region 2

2024 aug 28 6h15.5m A24_08109 554 Peraga UCAC4 419–146493 Diam = 98.5 m = 11.7  Dur = 10.0s Dmag = 0.7 Sun: 176° Moon: 112°	2024 aug 29 1h42.2m A24_08021 42 Isis UCAC5 294–157151 Diam = 107.0 m = 10.7  Dur = 15.5s Dmag = 0.2 Sun: 116° Moon: 173°	2024 aug 30 1h44.1m B24_08013 2006HC123 UCAC4 313–102762 Diam = 142.6 m = 14.8 m = 23.7  Dur = 89.5s Dmag = 8.9 Sun: 100° Moon: 146°	2024 aug 30 8h26.5m A24_08003 13 Egeria Gaia 114–0021749 Diam = 215.0 m = 12.2 m = 11.7  Dur = 10.9s Dmag = 0.5 Sun: 86° Moon: 44°
2024 aug 31 22h21.5m B24_08003 88267 2001KE76 UCAC4 335–115164 Diam = 192.3 m = 14.3 m = 23.2  Dur = 47.4s Dmag = 8.9 Sun: 107° Moon: 131°	2024 sep 3 0h40.1m A24_09139 735 Marghanna UCAC5 238–109673 Diam = 77.0 m = 12.5 m = 13.6  Dur = 6.4s Dmag = 1.5 Sun: 99° Moon: 101°	2024 sep 5 7h24.5m A24_09215 1567 Alikoski UCAC5 427–001970 Diam = 71.0 m = 12.5 m = 14.9  Dur = 8.8s Dmag = 2.6 Sun: 137° Moon: 158°	2024 sep 8 9h21.1m A24_09012 26 Proserpina UCAC4 575–021951 Diam = 98.7 m = 12.5 m = 13.2  Dur = 4.4s Dmag = 1.1 Sun: 76° Moon: 134°
2024 sep 9 1h35.7m A24_09123 589 Croatia TYC 5698–05175–1 Diam = 92.5 m = 11.5 m = 14.7  Dur = 11.0s Dmag = 3.3 Sun: 109° Moon: 47°	2024 sep 11 2h10.1m A24_09157 943 Begonia TYC 6954–00270–1 Diam = 72.0 m = 11.9 m = 15.2  Dur = 5.4s Dmag = 3.3 Sun: 155° Moon: 69°	2024 sep 11 22h30.1m A24_09109 454 Mathesis UCAC5 301–123646 Diam = 84.5 m = 12.5 m = 14.1  Dur = 4.9s Dmag = 1.8 Sun: 92° Moon: 5°	2024 sep 11 22h32.9m A24_09001 1 Ceres UCAC5 296–190465 Diam = 952.5 m = 12.5 m = 8.6  Dur = 137.6s Dmag = 0.0 Sun: 108° Moon: 11°
2024 sep 12 0h 0.3m A24_09132 640 Brambilla UCAC5 376–072326 Diam = 84.8 m = 12.4 m = 14.7  Dur = 3.3s Dmag = 2.4 Sun: 72° Moon: 28°	2024 sep 12 23h42.0m A24_09114 487 Venetia UCAC4 330–161218 Diam = 64.0 m = 12.2 m = 13.0  Dur = 7.7s Dmag = 1.2 Sun: 107° Moon: 6°	2024 sep 16 0h22.6m A24_09098 373 Melusina TYC 7867–00273–1 Diam = 99.6 m = 8.6 m = 14.8  Dur = 4.6s Dmag = 6.2 Sun: 81° Moon: 69°	2024 sep 17 0h24.5m A24_09055 137 Meliboea UCAC4 490–145158 Diam = 150.0 m = 12.4 m = 11.5  Dur = 13.5s Dmag = 0.4 Sun: 169° Moon: 22°

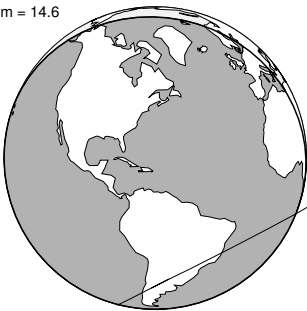
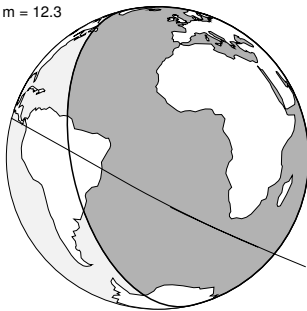
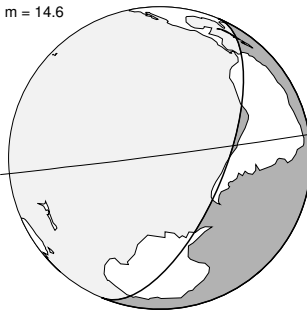
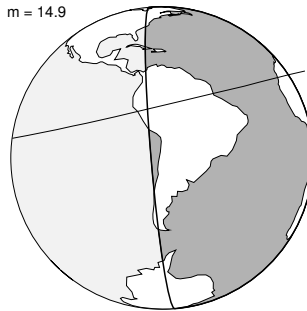
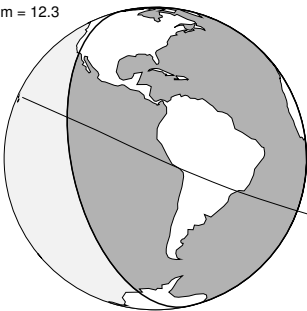
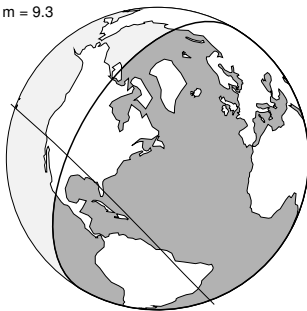
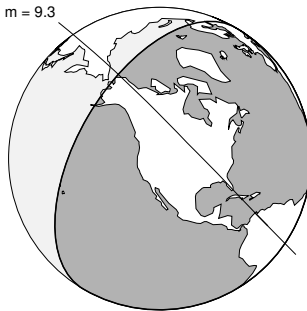
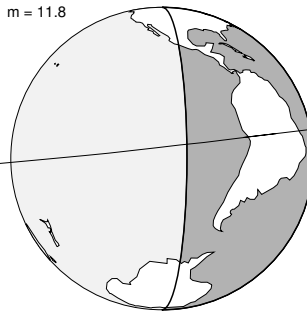
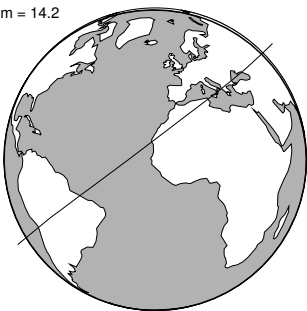
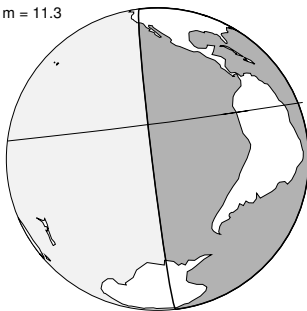
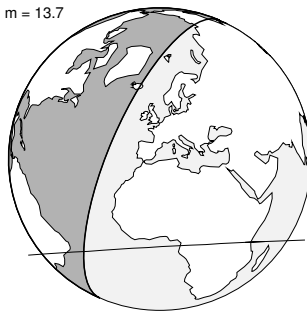
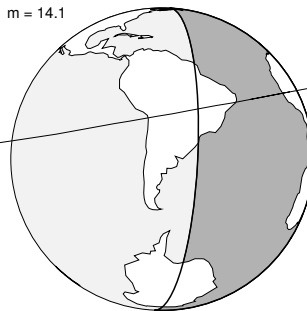
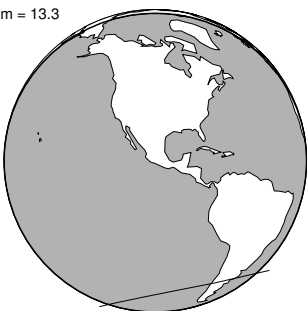
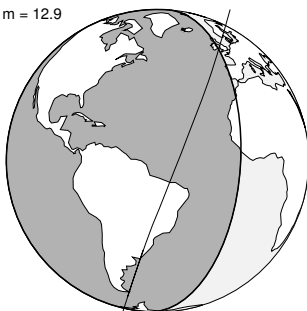
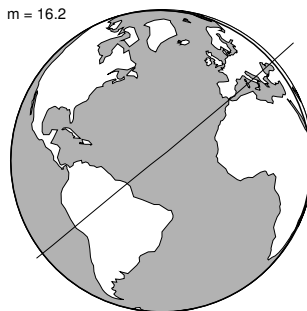
Occultations by major and minor planets – 2024

Region 2

2024 sep 17 2h48.5m A24_09110 454 Mathesis TYC 6838–00176–1 Diam = 84.5 m = 11.1 m = 14.2  Dur = 4.4s Dmag = 3.1 Sun: 89° Moon: 77°	2024 sep 18 3h19.6m A24_09105 432 Pythia UCAC4 389–001558 Diam = 48.6 m = 12.3  Dur = 4.9s Dmag = 0.7 Sun: 152° Moon: 27°	2024 sep 19 2h27.0m A24_09002 1 Ceres UCAC4 297–203905 Diam = 952.5 m = 10.1 m = 8.7  Dur = 95.9s Dmag = 0.3 Sun: 102° Moon: 92°	2024 sep 19 22h44.2m A24_09003 1 Ceres UCAC5 297–190211 Diam = 952.5 m = 12.4 m = 8.8  Dur = 92.6s Dmag = 0.0 Sun: 101° Moon: 104°
2024 sep 19 23h51.1m A24_09024 42 Isis UCAC4 294–199657 Diam = 107.0 m = 11.1  Dur = 7.5s Dmag = 0.4 Sun: 101° Moon: 105°	2024 sep 20 0h54.5m A24_09178 1036 Ganymed UCAC5 702–075505 Diam = 41.0 m = 9.6 m = 12.5  Dur = 4.2s Dmag = 0.1 Sun: 114° Moon: 70°	2024 sep 21 10h 0.0m A24_09014 28 Bellona UCAC4 523–045123 Diam = 126.0 m = 12.2  Dur = 3.9s Dmag = 0.8 Sun: 62° Moon: 72°	2024 sep 22 21h39.9m A24_09032 64 Angelina UCAC4 342–077324 Diam = 121.9 m = 13.1 m = 11.8  Dur = 4.0s Dmag = 1.6 Sun: 63° Moon: 175°
2024 sep 25 1h 5.6m A24_09140 735 Marghanna TYC 7893–00039–1 Diam = 77.0 m = 10.1 m = 13.8  Dur = 3.8s Dmag = 3.7 Sun: 85° Moon: 165°	2024 sep 25 6h49.7m A24_09077 240 Vanadis TYC 1357–01794–1 Diam = 108.0 m = 11.4 m = 13.5  Dur = 4.2s Dmag = 2.2 Sun: 76° Moon: 10°	2024 sep 25 21h42.2m A24_09025 42 Isis UCAC4 295–214955 Diam = 107.0 m = 11.7 m = 11.1  Dur = 6.6s Dmag = 0.5 Sun: 97° Moon: 173°	2024 sep 26 4h35.9m A24_09058 142 Polana HIP 24905 Diam = 57.0 m = 8.3 m = 15.3  Dur = 6.2s Dmag = 7.0 Sun: 102° Moon: 29°
2024 sep 26 5h12.7m A24_09059 142 Polana UCAC4 576–015390 Diam = 57.0 m = 10.5 m = 15.3  Dur = 6.2s Dmag = 4.8 Sun: 102° Moon: 29°	2024 sep 26 9h58.8m A24_09073 238 Hypatia TYC 0753–01301–1 Diam = 156.0 m = 11.6 m = 13.6  Dur = 6.6s Dmag = 2.1 Sun: 77° Moon: 18°	2024 sep 27 22h17.9m A24_09052 130 Elektra UCAC4 390–098417 Diam = 189.0 m = 11.9 m = 12.6  Dur = 11.4s Dmag = 1.2 Sun: 94° Moon: 145°	2024 sep 27 22h45.1m A24_09064 176 Iduna TYC 1106–01204–1 Diam = 125.0 m = 12.4 m = 12.4  Dur = 10.4s Dmag = 0.8 Sun: 135° Moon: 151°

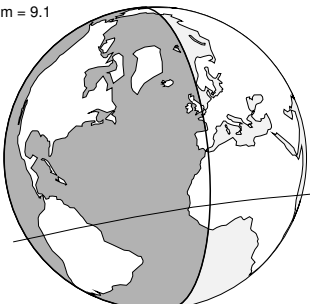
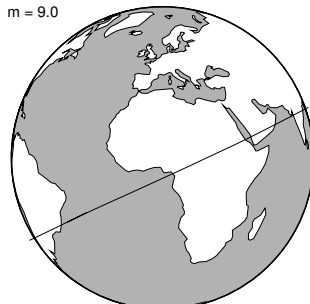
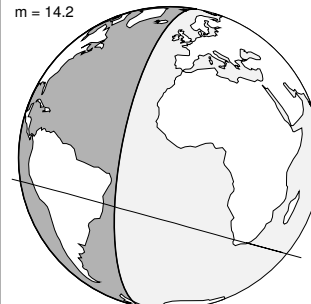
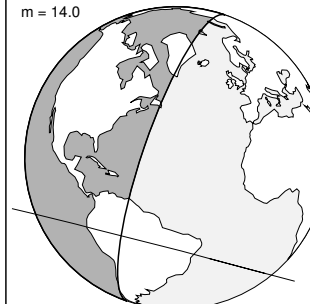
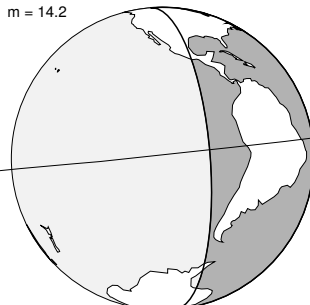
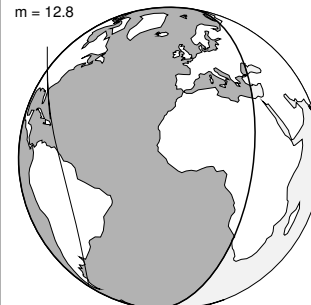
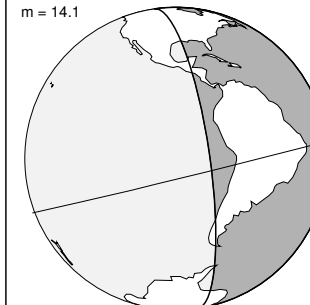
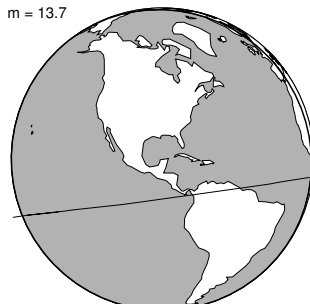
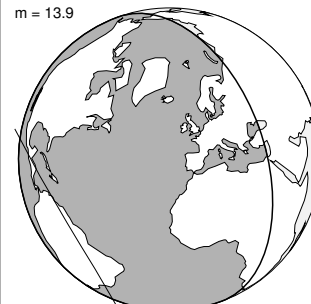
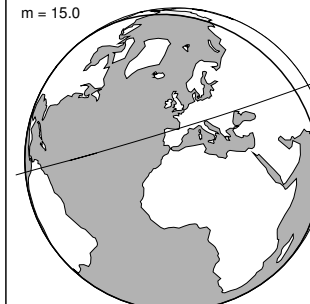
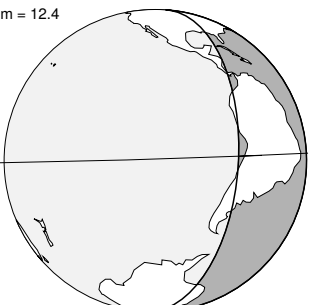
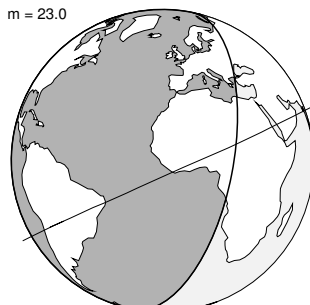
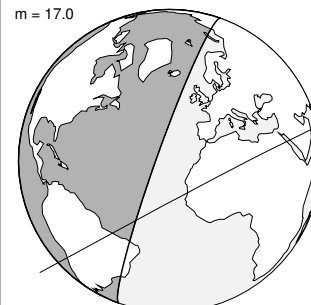
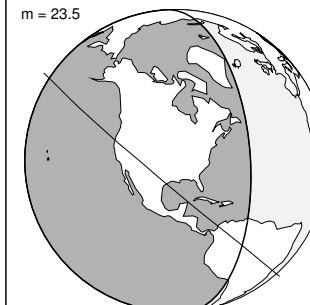
Occultations by major and minor planets – 2024

Region 2

2024 sep 28 4h40.8m A24_09159 983 Gunila TYC 1738–01964–1 Diam = 77.3 m = 11.3 m = 14.6  Dur = 5.7s Dmag = 3.4 Sun: 158° Moon: 114°	2024 sep 28 21h22.5m A24_09036 74 Galatea UCAC5 383–151653 Diam = 123.0 m = 12.5 m = 12.3  Dur = 35.6s Dmag = 0.7 Sun: 124° Moon: 165°	2024 sep 28 22h50.7m A24_09131 626 Notburga TYC 7863–00028–1 Diam = 104.0 m = 14.6  Dur = 3.4s Dmag = 6.9 Sun: 64° Moon: 104°	2024 sep 28 22h53.1m A24_09090 333 Baderia UCAC5 319–185286 Diam = 81.5 m = 12.5 m = 14.9  Dur = 5.7s Dmag = 2.6 Sun: 94° Moon: 136°
2024 sep 30 1h38.6m A24_09037 74 Galatea UCAC4 383–159265 Diam = 123.0 m = 12.3 m = 11.6  Dur = 32.4s Dmag = 1.2 Sun: 123° Moon: 152°	2024 oct 2 0h30.5m A24_10128 1036 Ganymed TYC 3190–01771–1 Diam = 41.0 m = 9.9 m = 9.3  Dur = 3.0s Dmag = 0.5 Sun: 123° Moon: 125°	2024 oct 2 4h15.6m A24_10131 1036 Ganymed UCAC4 664–099954 Diam = 41.0 m = 11.7 m = 9.3  Dur = 3.0s Dmag = 0.1 Sun: 123° Moon: 125°	2024 oct 5 0h29.4m A24_10028 68 Leto UCAC4 295–170630 Diam = 127.0 m = 12.3 m = 11.8  Dur = 5.6s Dmag = 0.6 Sun: 80° Moon: 56°
2024 oct 5 1h 3.6m A24_10155 2393 Suzuki TYC 0611–00087–1 Diam = 50.8 m = 11.2 m = 14.2  Dur = 4.7s Dmag = 3.1 Sun: 169° Moon: 162°	2024 oct 5 1h33.4m A24_10021 42 Isis UCAC4 297–215560 Diam = 107.0 m = 11.7 m = 11.3  Dur = 5.6s Dmag = 0.6 Sun: 92° Moon: 67°	2024 oct 6 7h39.4m A24_10047 154 Bertha UCAC4 637–043827 Diam = 192.0 m = 12.2 m = 13.7  Dur = 6.9s Dmag = 1.7 Sun: 70° Moon: 108°	2024 oct 6 21h15.0m A24_10113 784 Pickeringia UCAC4 273–142550 Diam = 90.0 m = 11.6 m = 14.1  Dur = 3.2s Dmag = 2.5 Sun: 76° Moon: 32°
2024 oct 7 6h33.6m A24_10044 143 Adria HIP 3998 Diam = 92.0 m = 8.8 m = 13.3  Dur = 6.9s Dmag = 4.6 Sun: 166° Moon: 136°	2024 oct 8 6h43.1m A24_10019 41 Daphne UCAC4 478–008071 Diam = 182.0 m = 11.3 m = 12.9  Dur = 20.4s Dmag = 1.8 Sun: 123° Moon: 158°	2024 oct 9 6h50.3m A24_10084 432 Pythia HIP 5289 Diam = 48.6 m = 8.0 m = 12.2  Dur = 4.4s Dmag = 4.2 Sun: 159° Moon: 99°	2024 oct 12 3h 4.3m A24_10154 2363 Cebriones TYC 0628–01163–1 Diam = 91.7 m = 10.7 m = 16.2  Dur = 4.7s Dmag = 5.5 Sun: 167° Moon: 85°

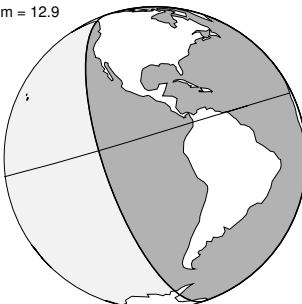
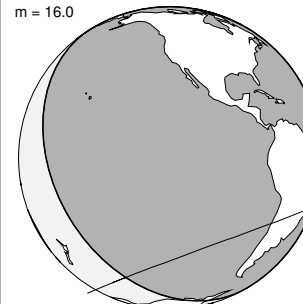
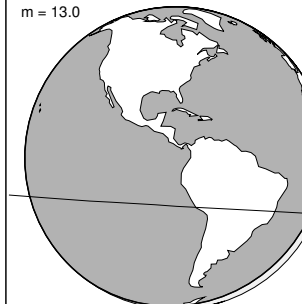
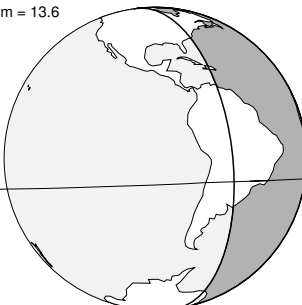
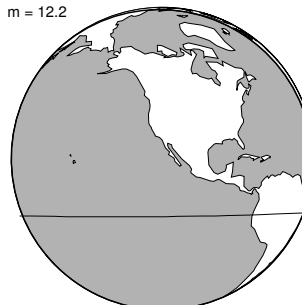
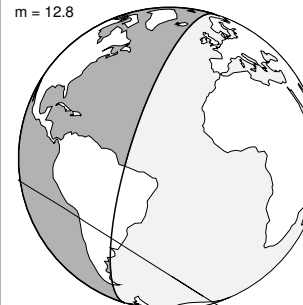
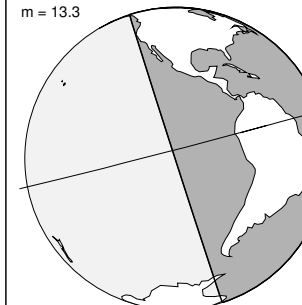
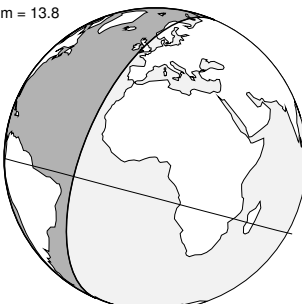
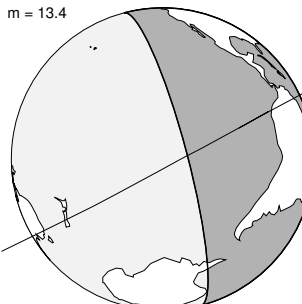
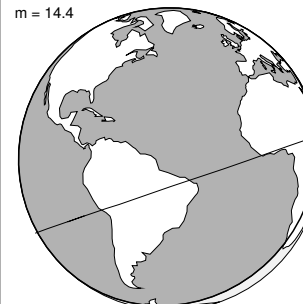
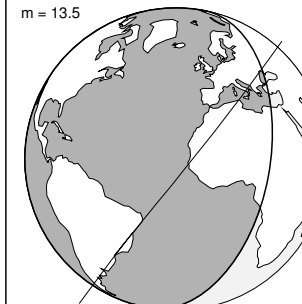
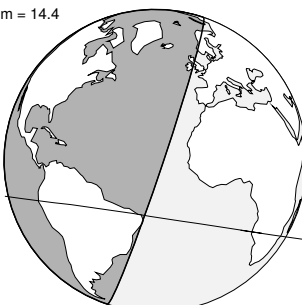
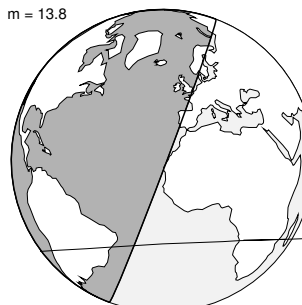
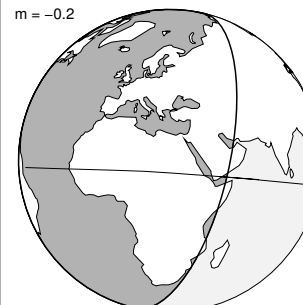
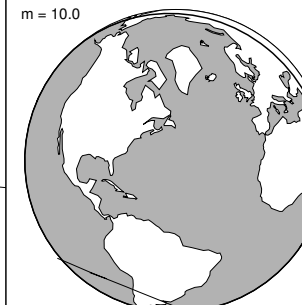
Occultations by major and minor planets – 2024

Region 2

2024 oct 12 6h27.0m A24_10005 15 Eunomia UCAC4 629–027723 Diam = 272.0 m = 12.4 m = 9.1  Dur = 37.1s Dmag = 0.0 Sun: 110° Moon: 140°	2024 oct 16 23h25.9m A24_10010 19 Fortuna TYC 0614–00266–1 Diam = 149.0 m = 11.5 m = 9.0  Dur = 19.6s Dmag = 0.1 Sun: 179° Moon: 8°	2024 oct 17 7h50.4m A24_10105 667 Denise UCAC4 455–046264 Diam = 83.5 m = 10.8 m = 14.2  Dur = 3.2s Dmag = 3.4 Sun: 70° Moon: 112°	2024 oct 19 10h 5.0m A24_10101 602 Marianna UCAC4 589–045103 Diam = 130.0 m = 11.5 m = 14.0  Dur = 6.3s Dmag = 2.6 Sun: 77° Moon: 75°
2024 oct 22 1h17.7m B24_10003 408832 2001QJ298 UCAC4 436–120337 Diam = 250.0 m = 13.9 m = 22.7  Dur = 12.6s Dmag = 8.7 Sun: 145° Moon: 97°	2024 oct 23 23h58.8m A24_10097 566 Stereokopia UCAC4 321–206818 Diam = 175.0 m = 12.3 m = 14.2  Dur = 6.9s Dmag = 2.0 Sun: 71° Moon: 165°	2024 oct 24 4h23.2m A24_10072 350 Ornamenta UCAC5 499–014786 Diam = 123.0 m = 12.4 m = 12.8  Dur = 36.6s Dmag = 1.0 Sun: 123° Moon: 37°	2024 oct 24 23h28.5m A24_10064 283 Emma UCAC5 344–170519 Diam = 150.0 m = 12.5 m = 14.1  Dur = 6.3s Dmag = 1.9 Sun: 77° Moon: 159°
2024 oct 25 6h 8.6m A24_10067 326 Tamara UCAC5 658–032131 Diam = 100.0 m = 12.4 m = 13.9  Dur = 8.2s Dmag = 1.8 Sun: 127° Moon: 52°	2024 oct 25 6h22.2m A24_10110 734 Benda UCAC4 556–005091 Diam = 78.6 m = 11.7 m = 13.7  Dur = 7.0s Dmag = 2.2 Sun: 166° Moon: 88°	2024 oct 26 4h 7.2m A24_10066 326 Tamara UCAC4 659–032885 Diam = 100.0 m = 11.6 m = 13.9  Dur = 8.1s Dmag = 2.4 Sun: 128° Moon: 63°	2024 oct 29 1h10.9m A24_10147 1456 Saldanha HIP 16161 Diam = 45.5 m = 9.0 m = 15.0  Dur = 4.6s Dmag = 6.0 Sun: 154° Moon: 119°
2024 oct 29 23h 2.1m A24_10016 22 Kalliope UCAC4 292–166274 Diam = 187.0 m = 11.0 m = 12.4  Dur = 5.8s Dmag = 1.7 Sun: 56° Moon: 84°	2024 oct 30 4h47.0m A24_10166 2010XE91 UCAC4 496–028769 Diam = 190.5 m = 10.9 m = 23.0  Dur = 17.0s Dmag = 12.1 Sun: 117° Moon: 93°	2024 oct 31 8h14.3m A24_10161 4833 Meges UCAC4 600–047074 Diam = 63.1 m = 12.2 m = 17.0  Dur = 3.4s Dmag = 4.8 Sun: 84° Moon: 73°	2024 nov 1 10h 5.9m A24_11160 2004TX357 TYC 2941–01530–1 Diam = 77.3 m = 8.9 m = 23.5  Dur = 6.4s Dmag = 14.6 Sun: 119° Moon: 119°

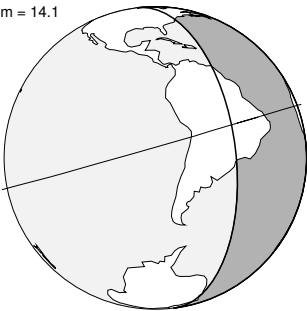
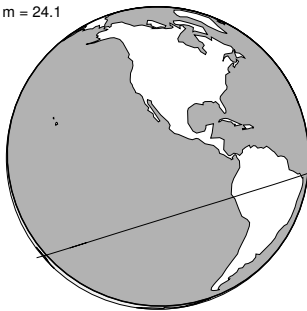
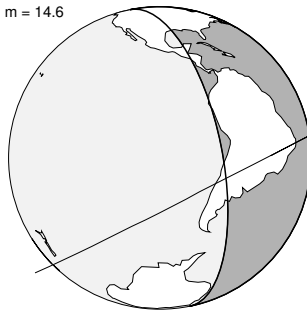
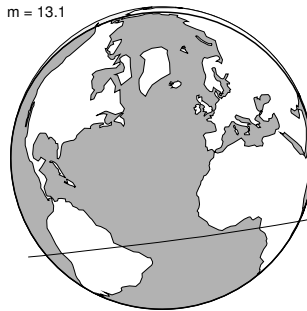
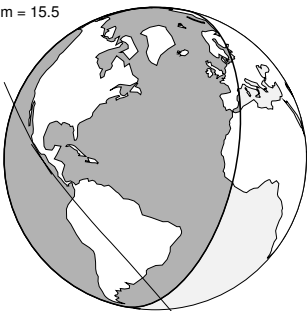
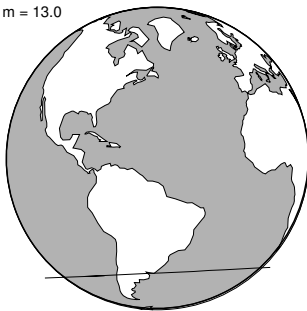
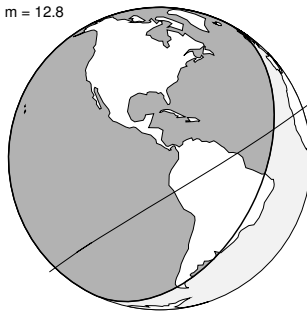
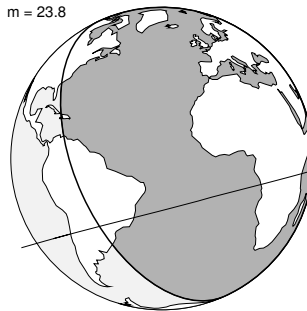
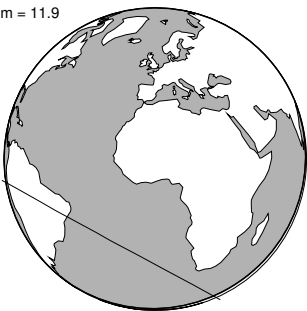
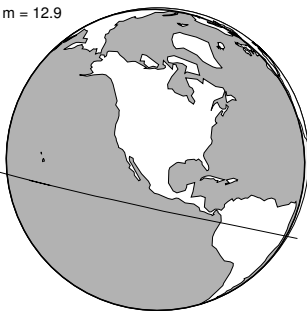
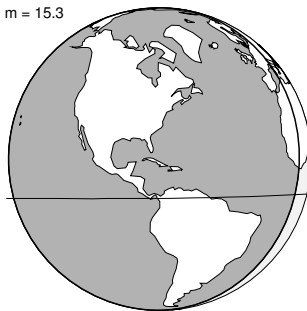
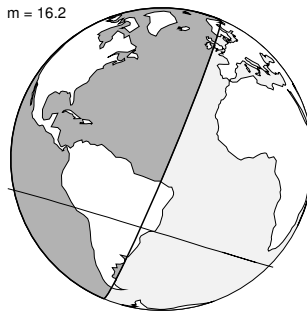
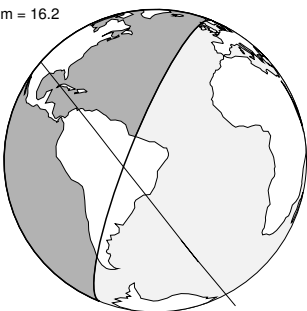
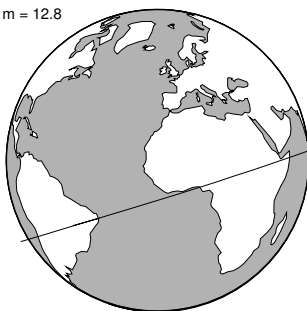
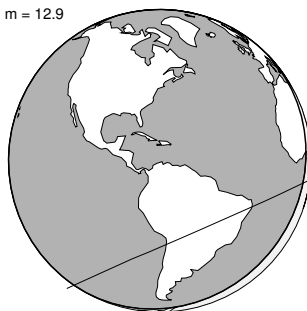
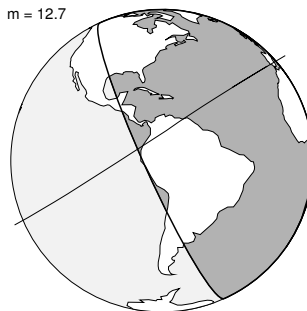
Occultations by major and minor planets – 2024

Region 2

2024 nov 2 1h24.1m A24_11095 554 Peraga UCAC4 409–137654 Diam = 98.5 m = 12.3  Dur = 12.9s Dmag = 1.1 Sun: 110° Moon: 104°	2024 nov 3 3h10.5m A24_11110 734 Benda TYC 1222–01212–1 Diam = 78.6 m = 13.6  Dur = 6.7s Dmag = 3.0 Sun: 174° Moon: 164°	2024 nov 3 5h32.3m A24_11140 1212 Francette TYC 4667–00808–1 Diam = 90.7 m = 10.9  Dur = 9.0s Dmag = 5.1 Sun: 140° Moon: 121°	2024 nov 4 6h 4.3m A24_11130 971 Alsatia TYC 0060–00566–1 Diam = 66.7 m = 12.2  Dur = 6.8s Dmag = 1.2 Sun: 163° Moon: 151°
2024 nov 4 22h 7.0m A24_11067 308 Polyxo TYC 6289–01799–1 Diam = 148.0 m = 9.1  Dur = 4.4s Dmag = 4.5 Sun: 59° Moon: 23°	2024 nov 5 8h 1.2m A24_11042 161 Athor TYC 1787–00400–1 Diam = 45.7 m = 9.9  Dur = 4.1s Dmag = 2.4 Sun: 167° Moon: 147°	2024 nov 5 8h52.7m A24_11079 409 Aspasia UCAC4 463–046193 Diam = 168.0 m = 12.2  Dur = 6.5s Dmag = 1.1 Sun: 74° Moon: 116°	2024 nov 9 1h 2.6m A24_11070 335 Roberta UCAC4 365–187340 Diam = 93.6 m = 11.9  Dur = 4.6s Dmag = 1.7 Sun: 90° Moon: 4°
2024 nov 10 7h35.7m A24_11045 173 Ino UCAC4 479–049468 Diam = 159.0 m = 13.8  Dur = 5.7s Dmag = 3.2 Sun: 61° Moon: 165°	2024 nov 11 2h12.5m A24_11113 751 Faina UCAC4 285–218888 Diam = 115.0 m = 11.9  Dur = 4.9s Dmag = 1.7 Sun: 80° Moon: 36°	2024 nov 13 3h45.6m A24_11120 903 Nealley UCAC4 471–006337 Diam = 65.7 m = 14.4  Dur = 5.2s Dmag = 3.7 Sun: 160° Moon: 51°	2024 nov 13 4h48.4m A24_11125 914 Palisana TYC 1331–01545–1 Diam = 79.0 m = 13.5  Dur = 7.5s Dmag = 4.4 Sun: 128° Moon: 89°
2024 nov 15 7h53.6m A24_11137 1107 Lictoria TYC 1403–00014–1 Diam = 81.0 m = 14.4  Dur = 5.2s Dmag = 2.8 Sun: 92° Moon: 95°	2024 nov 18 7h24.2m A24_11022 70 Panopaea UCAC5 574–042645 Diam = 127.0 m = 13.8  Dur = 8.7s Dmag = 1.7 Sun: 91° Moon: 55°	2024 nov 19 2h48.3m P24_11001 Mars TYC 1391–00847–1 Diam = 6759.2 m = –0.2  Dur = 1172.6s Dmag = 0.0 Sun: 113° Moon: 24°	2024 nov 23 4h 1.9m A24_11006 13 Egeria TYC 2382–00016–1 Diam = 215.0 m = 10.0  Dur = 17.7s Dmag = 0.7 Sun: 162° Moon: 78°

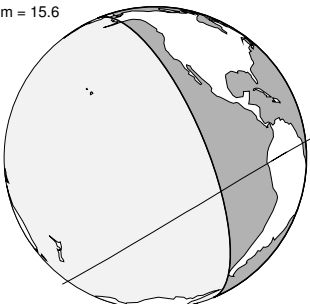
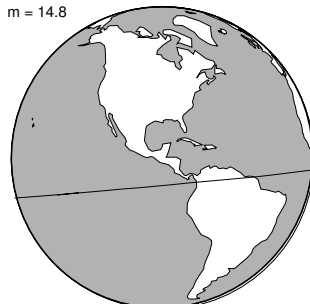
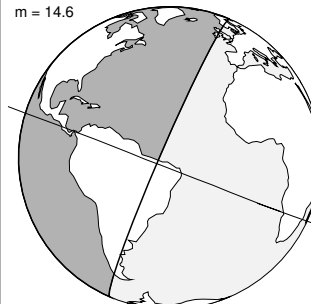
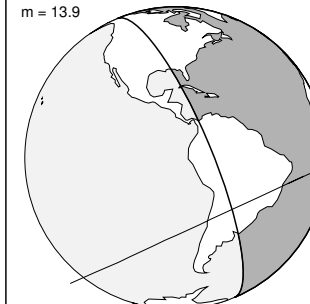
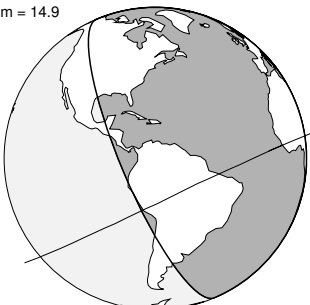
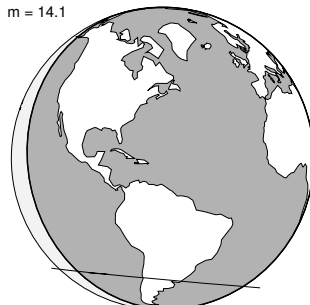
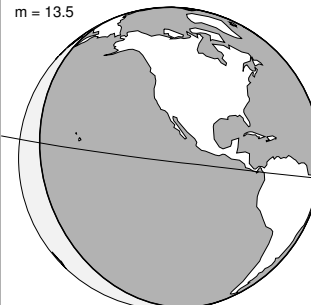
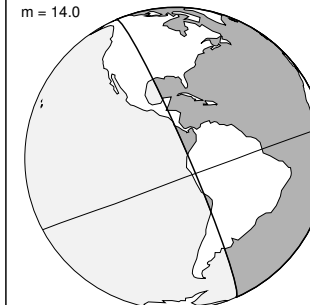
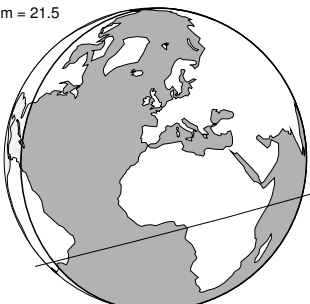
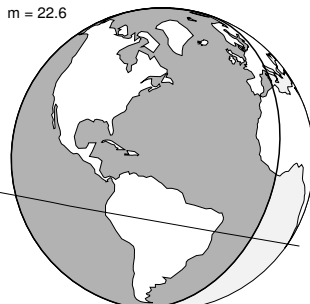
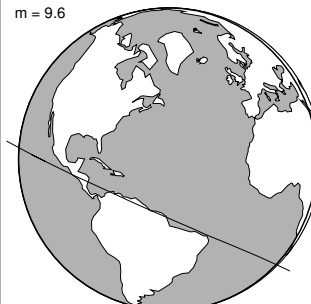
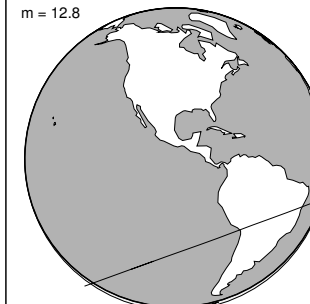
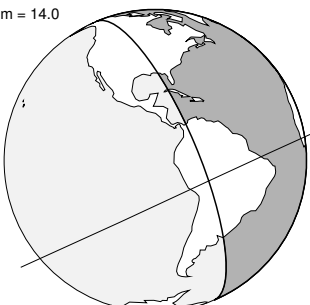
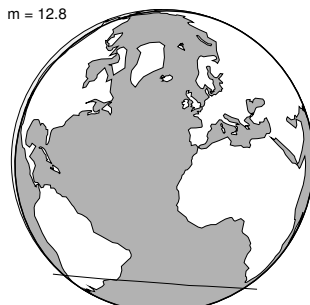
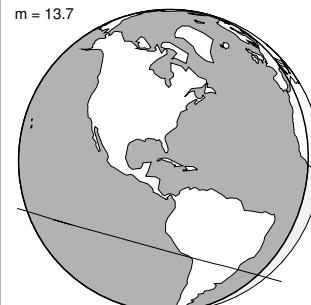
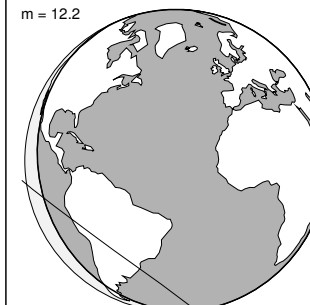
Occultations by major and minor planets – 2024

Region 2

2024 nov 23 21h41.5m A24_11040 145 Adeona TYC 6917–00994–1 Diam = 155.0 m = 10.7 m = 14.1  Dur = 4.9s Dmag = 3.4 Sun: 57° Moon: 138°	2024 nov 24 6h40.9m A24_11161 2011UH411 TYC 0650–01422–1 Diam = 79.4 m = 9.1 m = 24.1  Dur = 3.2s Dmag = 15.0 Sun: 166° Moon: 112°	2024 nov 24 23h17.5m A24_11041 152 Atala UCAC4 307–269472 Diam = 89.9 m = 10.9 m = 14.6  Dur = 3.2s Dmag = 3.7 Sun: 65° Moon: 133°	2024 nov 26 1h53.5m A24_11075 366 Vincentina UCAC4 632–016102 Diam = 98.1 m = 12.1 m = 13.1  Dur = 7.2s Dmag = 1.4 Sun: 164° Moon: 119°
2024 nov 29 6h58.6m A24_11147 1332 Marconia TYC 1398–00697–1 Diam = 49.5 m = 10.5 m = 15.5  Dur = 33.2s Dmag = 5.0 Sun: 122° Moon: 100°	2024 dec 1 3h39.2m A24_12055 213 Lilaea HIP 22208 Diam = 84.6 m = 8.1 m = 13.0  Dur = 5.9s Dmag = 4.9 Sun: 171° Moon: 167°	2024 dec 2 8h26.9m A24_12056 238 Hypatia UCAC4 472–033292 Diam = 156.0 m = 12.0 m = 12.8  Dur = 24.9s Dmag = 1.2 Sun: 133° Moon: 142°	2024 dec 3 22h11.1m A24_12180 2013WC139 UCAC4 470–001586 Diam = 130.6 m = 12.3 m = 23.8  Dur = 10.4s Dmag = 11.5 Sun: 125° Moon: 94°
2024 dec 6 0h21.0m A24_12069 350 Ornamenta UCAC4 520–011767 Diam = 123.0 m = 11.6 m = 11.9  Dur = 8.5s Dmag = 0.9 Sun: 169° Moon: 128°	2024 dec 6 7h37.7m A24_12082 416 Vaticana TYC 2405–01389–1 Diam = 89.5 m = 10.4 m = 12.9  Dur = 5.6s Dmag = 2.6 Sun: 164° Moon: 133°	2024 dec 9 6h40.9m A24_12173 2697 Albina TYC 1893–00105–1 Diam = 54.0 m = 11.3 m = 15.3  Dur = 4.6s Dmag = 4.0 Sun: 157° Moon: 105°	2024 dec 9 8h26.1m A24_12166 1731 Smuts TYC 0268–00538–1 Diam = 56.2 m = 9.1 m = 16.2  Dur = 4.6s Dmag = 7.1 Sun: 92° Moon: 168°
2024 dec 10 9h 1.2m A24_12163 1437 Diomedes TYC 5510–01375–1 Diam = 171.0 m = 12.0 m = 16.2  Dur = 8.6s Dmag = 4.2 Sun: 79° Moon: 164°	2024 dec 13 0h42.9m A24_12068 342 Endymion UCAC4 535–013955 Diam = 65.0 m = 11.8 m = 12.8  Dur = 6.8s Dmag = 1.4 Sun: 173° Moon: 33°	2024 dec 13 5h50.3m A24_12138 914 Palisana UCAC5 512–022504 Diam = 79.0 m = 12.5 m = 12.9  Dur = 4.7s Dmag = 1.0 Sun: 161° Moon: 46°	2024 dec 13 23h26.0m A24_12011 17 Thetis UCAC4 420–000143 Diam = 93.2 m = 12.4 m = 12.7  Dur = 6.6s Dmag = 0.9 Sun: 96° Moon: 65°

Occultations by major and minor planets – 2024

Region 2

2024 dec 17 1h15.6m A24_12121 733 Mocia TYC 5232–00788–1 Diam = 92.0 m = 10.0 m = 15.6  Dur = 3.7s Dmag = 5.6 Sun: 70° Moon: 131°	2024 dec 17 6h29.1m A24_12077 368 Haidea TYC 1314–00707–1 Diam = 74.0 m = 11.5 m = 14.8  Dur = 4.9s Dmag = 3.3 Sun: 169° Moon: 21°	2024 dec 19 8h47.9m A24_12073 358 Apollonia UCAC4 445–054381 Diam = 91.8 m = 12.5 m = 14.6  Dur = 5.3s Dmag = 2.2 Sun: 86° Moon: 44°	2024 dec 20 22h50.8m A24_12032 91 Aegina TYC 5248–00581–1 Diam = 114.0 m = 12.1 m = 13.9  Dur = 4.7s Dmag = 2.0 Sun: 76° Moon: 172°
2024 dec 20 23h29.1m A24_12148 1074 Beljawska TYC 0014–00882–1 Diam = 53.8 m = 9.5 m = 14.9  Dur = 4.8s Dmag = 5.4 Sun: 103° Moon: 145°	2024 dec 21 2h12.8m A24_12103 596 Scheila UCAC5 552–008000 Diam = 117.0 m = 12.4 m = 14.1  Dur = 8.8s Dmag = 1.9 Sun: 152° Moon: 97°	2024 dec 21 5h28.5m A24_12080 380 Fiducia UCAC4 528–006948 Diam = 76.3 m = 12.5 m = 13.5  Dur = 9.8s Dmag = 1.4 Sun: 147° Moon: 104°	2024 dec 21 23h22.9m A24_12016 34 Circe UCAC4 437–118474 Diam = 118.0 m = 12.0 m = 14.0  Dur = 6.6s Dmag = 2.2 Sun: 85° Moon: 174°
2024 dec 22 22h 8.6m B24_12002 84719 2002VR128 UCAC4 605–011806 Diam = 368.1 m = 14.8 m = 21.5  Dur = 16.0s Dmag = 6.7 Sun: 152° Moon: 115°	2024 dec 23 6h47.8m A24_12177 535986 2015BN518 UCAC4 537–048103 Diam = 177.0 m = 11.9 m = 22.6  Dur = 9.8s Dmag = 10.7 Sun: 138° Moon: 53°	2024 dec 24 4h16.0m A24_12006 14 Irene PPMX 5069577 Diam = 152.4 m = 12.2 m = 9.6  Dur = 13.9s Dmag = 0.1 Sun: 166° Moon: 91°	2024 dec 24 6h31.7m A24_12139 914 Palisana TYC 0734–00728–1 Diam = 79.0 m = 11.3 m = 12.8  Dur = 4.6s Dmag = 1.8 Sun: 167° Moon: 103°
2024 dec 24 22h49.6m A24_12033 91 Aegina UCAC4 424–133528 Diam = 114.0 m = 12.1 m = 14.0  Dur = 4.5s Dmag = 2.0 Sun: 73° Moon: 142°	2024 dec 27 0h36.6m A24_12084 416 Vaticana TYC 2407–01049–1 Diam = 89.5 m = 10.7 m = 12.8  Dur = 5.7s Dmag = 2.3 Sun: 165° Moon: 147°	2024 dec 27 7h 2.2m A24_12031 90 Antiope TYC 1389–00117–1 Diam = 125.0 m = 11.2 m = 13.7  Dur = 9.2s Dmag = 2.7 Sun: 156° Moon: 114°	2024 dec 30 0h33.2m A24_12070 350 Ornamenta HIP 22805 Diam = 123.0 m = 9.4 m = 12.2  Dur = 9.2s Dmag = 2.8 Sun: 155° Moon: 164°

