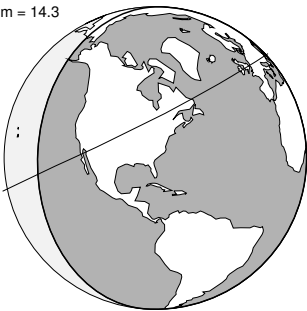
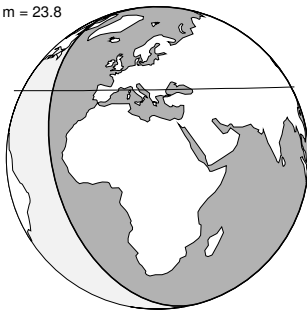
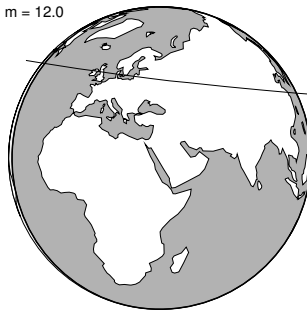
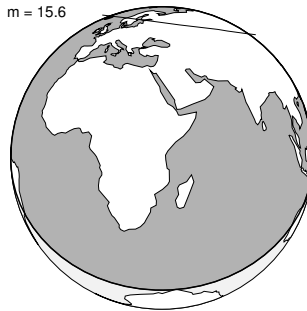
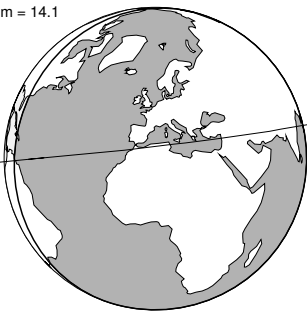
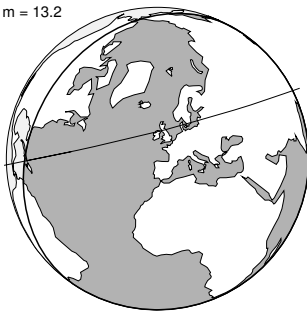
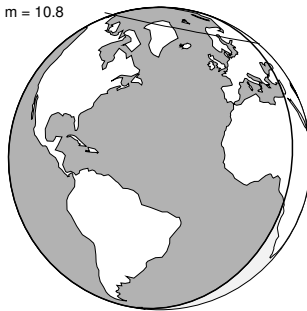
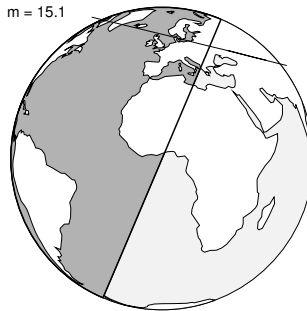
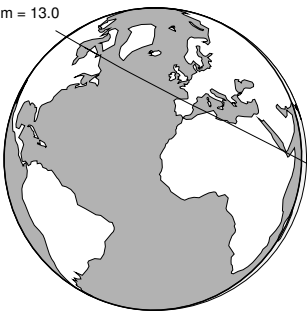
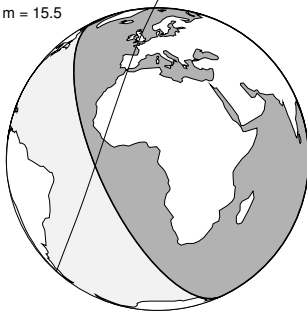
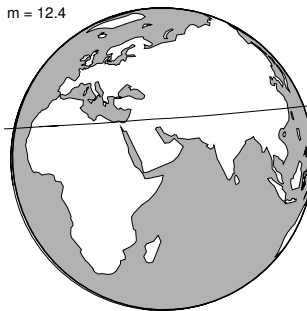
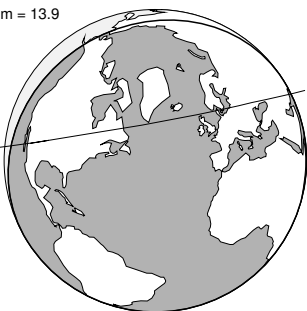
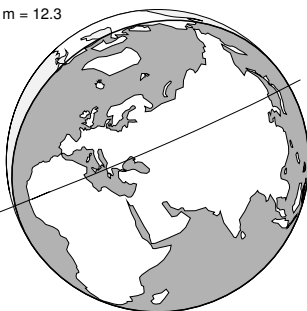
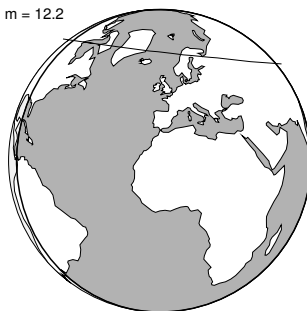
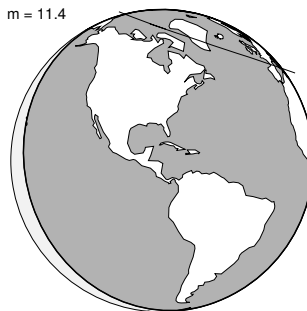


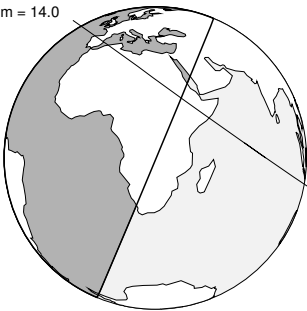
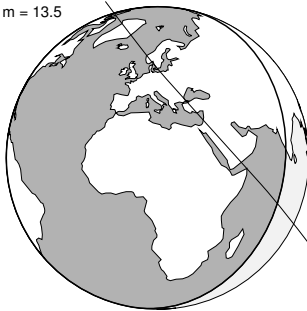
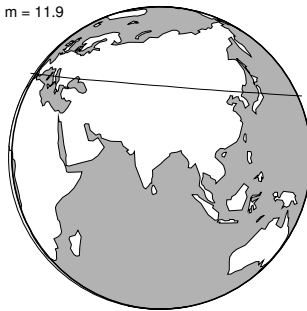
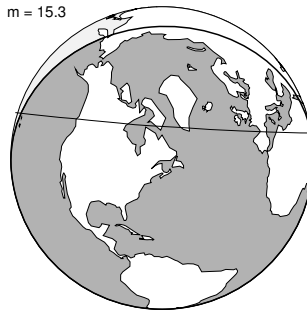
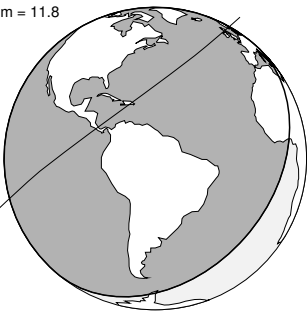
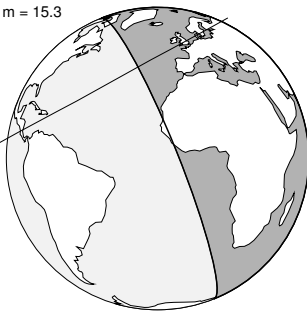
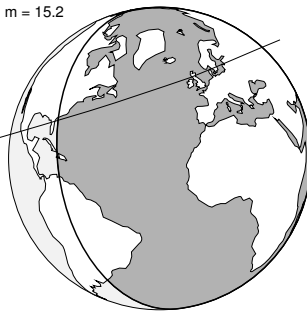
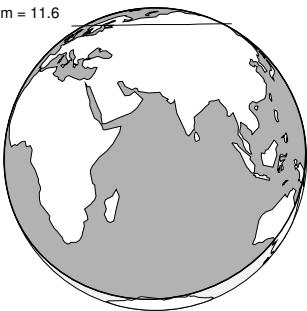
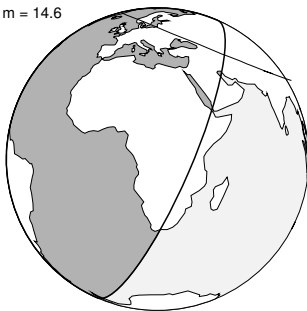
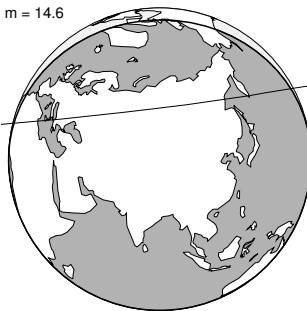
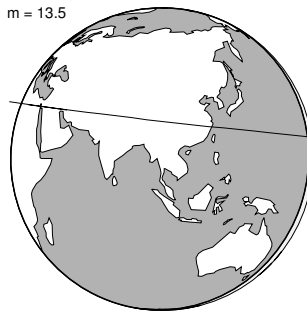
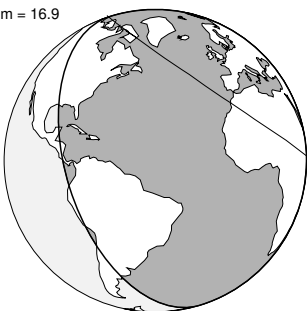
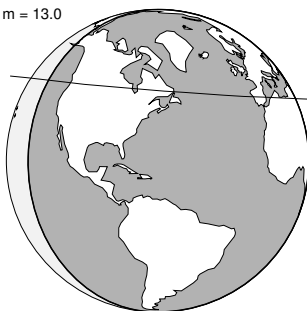
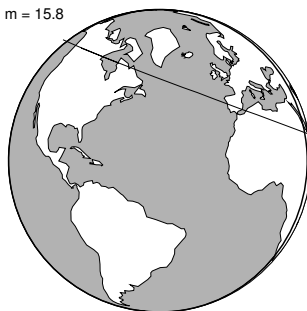
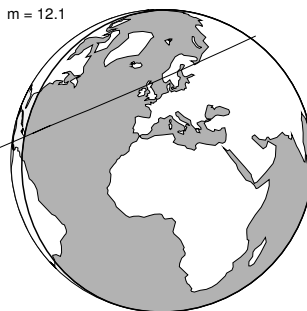
Occultations by major and minor planets – 2027

Region 3

2027 jan 1 2h34.9m A27_01154 1351 Uzbekistania UCAC4 614–010945 Diam = 67.1 m = 12.2 m = 14.3  Dur = 9.6s Dmag = 2.3 Sun: 141° Moon: 142°	2027 jan 1 19h13.9m B27_01010 2016SR58 UCAC4 533–006440 Diam = 116.4 m = 14.5 m = 23.8  Dur = 7.1s Dmag = 9.3 Sun: 133° Moon: 158°	2027 jan 1 20h34.1m A27_01081 449 Hamburga UCAC4 572–021208 Diam = 88.6 m = 11.6 m = 12.0  Dur = 10.4s Dmag = 1.0 Sun: 167° Moon: 126°	2027 jan 1 21h33.5m A27_01168 3451 Mentor UCAC4 420–020599 Diam = 100.0 m = 12.1 m = 15.6  Dur = 5.5s Dmag = 3.5 Sun: 150° Moon: 106°
2027 jan 1 22h17.2m A27_01061 331 Etheridgea UCAC4 606–018524 Diam = 78.5 m = 12.3 m = 14.1  Dur = 7.0s Dmag = 2.0 Sun: 158° Moon: 136°	2027 jan 1 22h33.2m A27_01095 546 Herodias TYC 2905–01111–1 Diam = 69.7 m = 11.3 m = 13.2  Dur = 8.5s Dmag = 2.0 Sun: 147° Moon: 138°	2027 jan 2 5h 1.1m A27_01009 30 Urania UCAC4 540–048083 Diam = 104.0 m = 12.0 m = 10.8  Dur = 13.8s Dmag = 0.3 Sun: 150° Moon: 88°	2027 jan 2 6h10.1m A27_01093 519 Sylvania UCAC4 470–047442 Diam = 53.1 m = 12.1 m = 15.1  Dur = 3.7s Dmag = 3.1 Sun: 90° Moon: 32°
2027 jan 3 2h23.5m A27_01110 628 Christine TYC 1371–00114–1 Diam = 51.0 m = 12.3 m = 13.0  Dur = 4.1s Dmag = 1.2 Sun: 164° Moon: 113°	2027 jan 4 19h11.1m A27_01146 1211 Bressole UCAC4 449–003488 Diam = 41.6 m = 12.1 m = 15.5  Dur = 4.6s Dmag = 3.4 Sun: 113° Moon: 142°	2027 jan 5 3h19.6m A27_01015 61 Danaë TYC 3374–01463–1 Diam = 83.6 m = 12.2 m = 12.3  Dur = 6.0s Dmag = 0.8 Sun: 153° Moon: 156°	2027 jan 5 20h 4.7m A27_01042 179 Klytaemnestra UCAC4 540–027638 Diam = 81.0 m = 12.5 m = 12.4  Dur = 6.1s Dmag = 0.7 Sun: 170° Moon: 163°
2027 jan 6 1h42.6m A27_01062 373 Melusina TYC 3374–00778–1 Diam = 99.6 m = 11.2 m = 13.9  Dur = 7.6s Dmag = 2.8 Sun: 154° Moon: 162°	2027 jan 6 19h54.4m A27_01016 61 Danaë PPMX 2144466 Diam = 83.6 m = 12.2 m = 12.3  Dur = 6.1s Dmag = 0.8 Sun: 152° Moon: 161°	2027 jan 6 23h 9.0m A27_01082 449 Hamburga UCAC4 572–020150 Diam = 88.6 m = 12.1 m = 12.2  Dur = 11.3s Dmag = 0.8 Sun: 161° Moon: 171°	2027 jan 7 3h57.5m A27_01013 53 Kalypso UCAC4 531–014332 Diam = 119.0 m = 12.4 m = 11.4  Dur = 19.7s Dmag = 0.4 Sun: 154° Moon: 160°

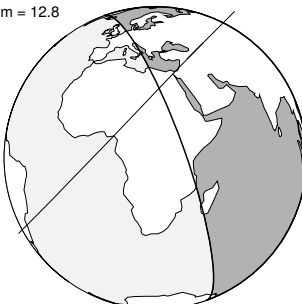
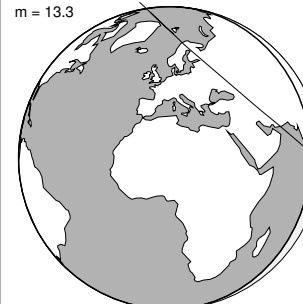
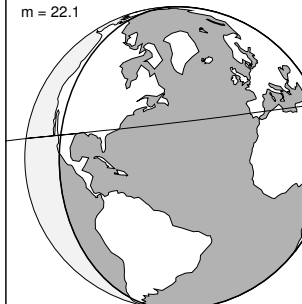
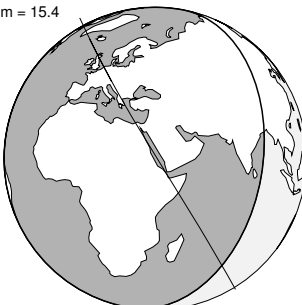
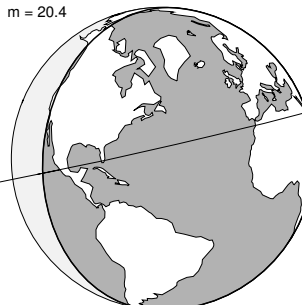
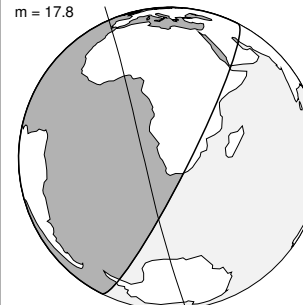
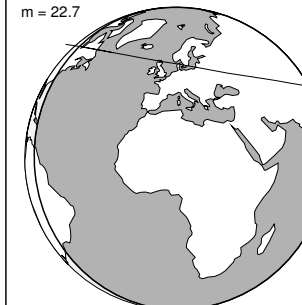
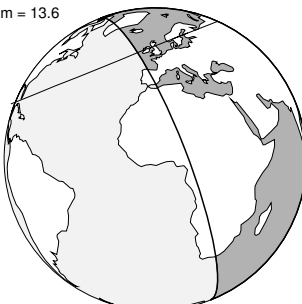
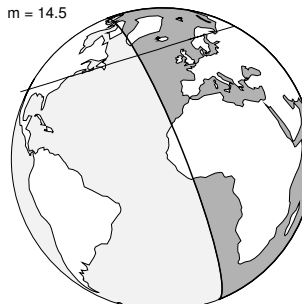
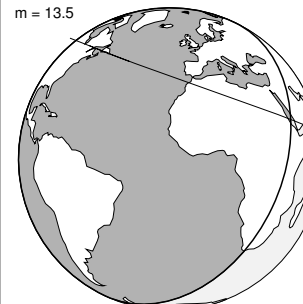
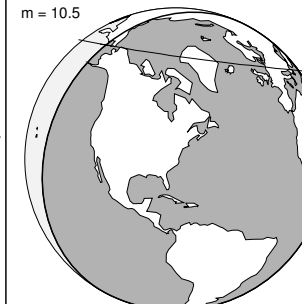
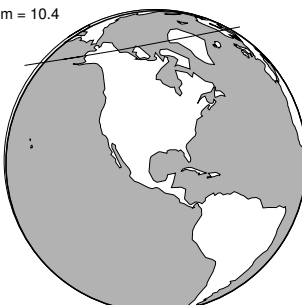
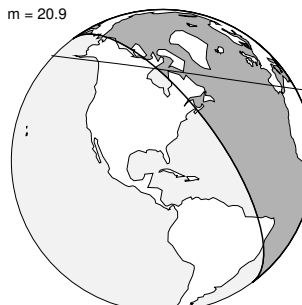
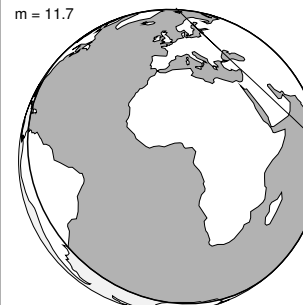
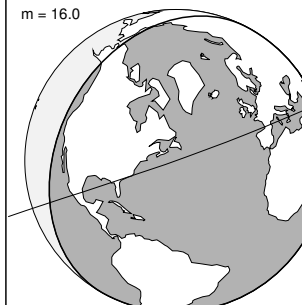
Occultations by major and minor planets – 2027

Region 3

2027 jan 10 4h 0.5m A27_01065 382 Dodona HIP 63543 Diam = 60.0 m = 7.9 m = 14.0  Dur = 3.2s Dmag = 6.1 Sun: 90° Moon: 115°	2027 jan 11 1h30.4m A27_01135 931 Whittemora TYC 1413-00248-1 Diam = 52.6 m = 10.1 m = 13.5  Dur = 5.6s Dmag = 3.4 Sun: 147° Moon: 173°	2027 jan 11 17h45.0m A27_01020 76 Freia PPMX 6049423 Diam = 190.0 m = 12.5 m = 11.9  Dur = 17.9s Dmag = 0.5 Sun: 167° Moon: 126°	2027 jan 12 4h18.5m A27_01160 2008 Konstitutsiya UCAC4 707-045139 Diam = 52.5 m = 12.5 m = 15.3  Dur = 3.7s Dmag = 2.9 Sun: 150° Moon: 120°
2027 jan 12 6h 6.8m A27_01067 405 Thia TYC 4894-00013-1 Diam = 129.0 m = 10.3 m = 11.8  Dur = 17.7s Dmag = 1.8 Sun: 142° Moon: 160°	2027 jan 13 18h45.5m A27_01094 522 Helga UCAC4 460-001377 Diam = 113.0 m = 11.9 m = 15.3  Dur = 5.5s Dmag = 3.4 Sun: 82° Moon: 19°	2027 jan 13 22h32.9m A27_01108 615 Roswitha UCAC4 574-010282 Diam = 49.5 m = 11.6 m = 15.2  Dur = 10.6s Dmag = 3.6 Sun: 132° Moon: 65°	2027 jan 13 23h18.4m A27_01151 1298 Nocturna UCAC4 535-003049 Diam = 47.3 m = 12.4 m = 16.0  Dur = 3.2s Dmag = 3.6 Sun: 96° Moon: 29°
2027 jan 14 20h16.4m A27_01121 712 Boliviana TYC 4847-02382-1 Diam = 132.0 m = 11.7 m = 11.6  Dur = 12.9s Dmag = 0.7 Sun: 157° Moon: 113°	2027 jan 15 3h38.7m A27_01018 74 Galatea HIP 61763 Diam = 123.0 m = 6.2 m = 14.6  Dur = 18.8s Dmag = 8.4 Sun: 102° Moon: 175°	2027 jan 15 18h19.6m A27_01106 605 Juvisia TYC 2971-00716-1 Diam = 72.0 m = 11.5 m = 14.6  Dur = 4.9s Dmag = 3.1 Sun: 156° Moon: 84°	2027 jan 16 18h33.1m A27_01056 283 Emma TYC 1393-01108-1 Diam = 150.0 m = 10.7 m = 13.5  Dur = 10.7s Dmag = 2.9 Sun: 165° Moon: 93°
2027 jan 17 23h31.3m A27_01162 2893 Peiroos UCAC4 507-006742 Diam = 92.8 m = 12.3 m = 16.9  Dur = 10.4s Dmag = 4.7 Sun: 126° Moon: 18°	2027 jan 18 2h20.1m A27_01098 566 Stereoscopia UCAC4 577-018110 Diam = 175.0 m = 12.4 m = 13.0  Dur = 19.1s Dmag = 1.1 Sun: 148° Moon: 30°	2027 jan 18 4h 4.5m A27_01145 1154 Astronomia TYC 1399-00849-1 Diam = 64.3 m = 11.2 m = 15.8  Dur = 4.4s Dmag = 4.5 Sun: 167° Moon: 72°	2027 jan 18 22h16.7m A27_01116 702 Alauda TYC 1887-01545-1 Diam = 202.0 m = 10.2 m = 12.1  Dur = 14.2s Dmag = 2.1 Sun: 157° Moon: 28°

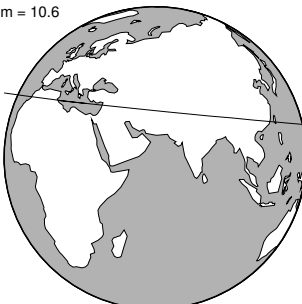
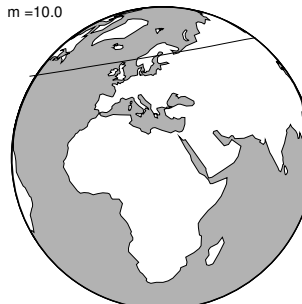
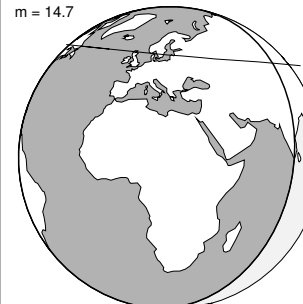
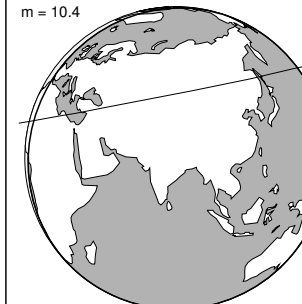
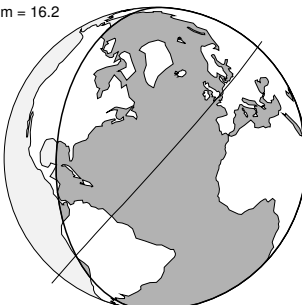
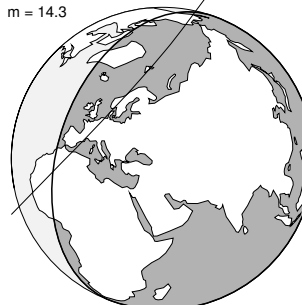
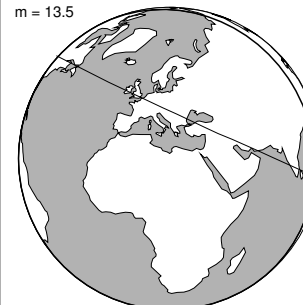
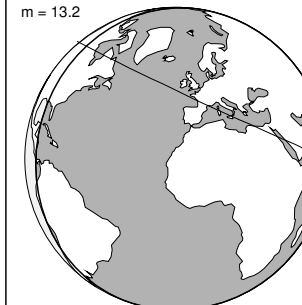
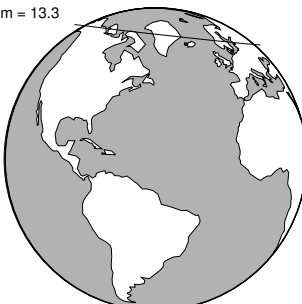
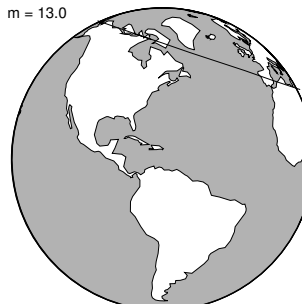
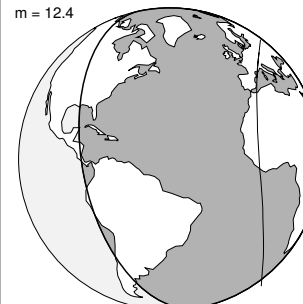
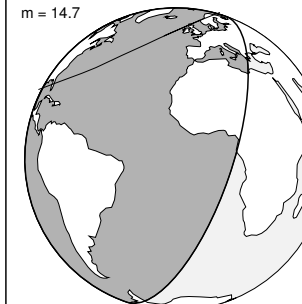
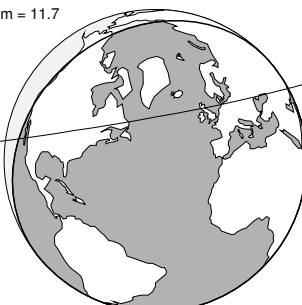
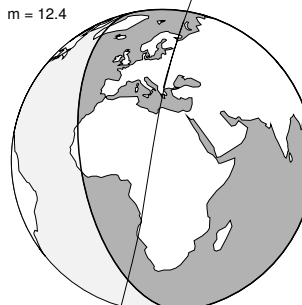
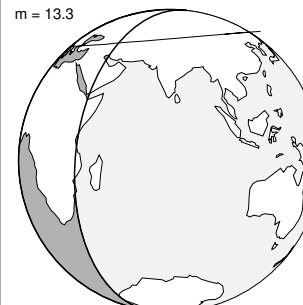
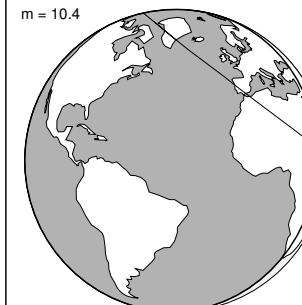
Occultations by major and minor planets – 2027

Region 3

2027 jan 20 15h49.9m A27_01040 164 Eva UCAC5 430–001635 Diam = 110.0 m = 12.5  Dur = 3.5s Dmag = 0.9 Sun: 78° Moon: 77°	2027 jan 20 17h22.1m A27_01144 1075 Helina UCAC4 541–010023 Diam = 40.5 m = 15.1  Dur = 7.1s Dmag = 3.6 Sun: 131° Moon: 24°	2027 jan 21 1h14.1m A27_01136 931 Whitemora TYC 1416–01474–1 Diam = 52.6 m = 12.0 m = 13.3  Dur = 4.7s Dmag = 1.6 Sun: 158° Moon: 41°	2027 jan 23 0h36.2m B27_01005 616560 2005XN113 UCAC4 583–016495 Diam = 206.1 m = 14.3 m = 22.1  Dur = 11.6s Dmag = 7.9 Sun: 140° Moon: 47°
2027 jan 23 0h44.7m A27_01143 1054 Forsytia UCAC4 541–051137 Diam = 49.6 m = 11.6 m = 15.4  Dur = 5.9s Dmag = 3.9 Sun: 135° Moon: 38°	2027 jan 23 1h 9.7m B27_01004 590218 2011UD63 PPMX 4984412 Diam = 75.5 m = 13.3 m = 20.4  Dur = 4.6s Dmag = 7.0 Sun: 142° Moon: 45°	2027 jan 23 3h32.2m A27_01172 7119 Hiera TYC 6710–00219–1 Diam = 45.7 m = 17.8 m = 11.9  Dur = 3.7s Dmag = 5.9 Sun: 97° Moon: 75°	2027 jan 23 22h14.6m B27_01008 2014WK510 UCAC4 543–036644 Diam = 162.2 m = 14.9 m = 22.7  Dur = 7.0s Dmag = 7.8 Sun: 159° Moon: 40°
2027 jan 24 17h20.1m A27_01036 124 Alkeste TYC 0027–00861–1 Diam = 79.5 m = 9.9 m = 13.6  Dur = 3.6s Dmag = 3.7 Sun: 78° Moon: 133°	2027 jan 24 18h33.1m A27_01092 517 Edith UCAC4 512–002328 Diam = 95.0 m = 12.3 m = 14.5  Dur = 4.2s Dmag = 2.4 Sun: 81° Moon: 130°	2027 jan 25 3h55.6m A27_01038 150 Nuwa TYC 0265–00624–1 Diam = 157.0 m = 12.1 m = 13.5  Dur = 20.6s Dmag = 1.7 Sun: 138° Moon: 5°	2027 jan 26 3h23.3m A27_01007 22 Kalliope TYC 2434–00595–1 Diam = 187.0 m = 11.7 m = 10.5  Dur = 22.5s Dmag = 0.3 Sun: 148° Moon: 79°
2027 jan 26 5h55.4m A27_01025 89 Julia TYC 1933–01769–1 Diam = 159.0 m = 10.4 m = 11.7  Dur = 11.3s Dmag = 0.3 Sun: 168° Moon: 62°	2027 jan 26 21h11.3m B27_01002 120347 Salacia UCAC4 581–000052 Diam = 625.2 m = 13.9 m = 20.9  Dur = 31.1s Dmag = 7.0 Sun: 67° Moon: 159°	2027 jan 26 22h48.1m A27_01044 185 Eunike UCAC4 449–031011 Diam = 165.0 m = 10.6 m = 11.7  Dur = 11.5s Dmag = 1.5 Sun: 151° Moon: 76°	2027 jan 27 1h35.2m A27_01165 3024 Hainan UCAC4 664–044996 Diam = 41.1 m = 12.1 m = 16.0  Dur = 4.2s Dmag = 3.9 Sun: 141° Moon: 96°

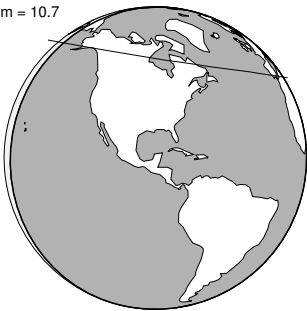
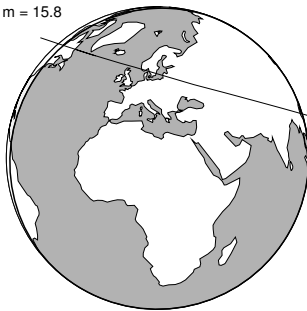
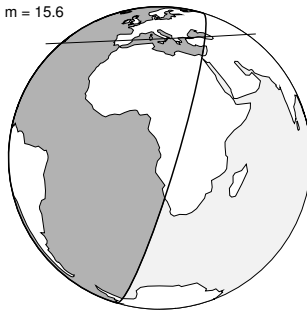
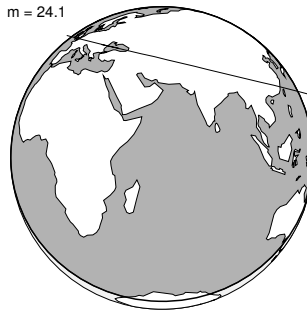
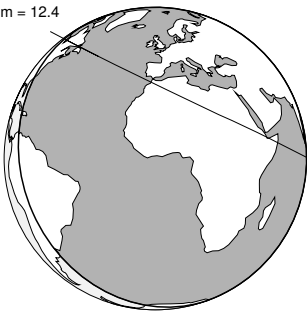
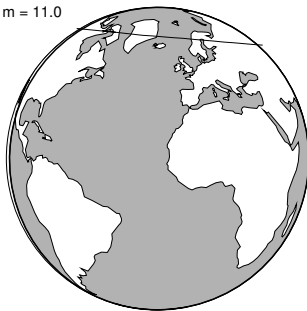
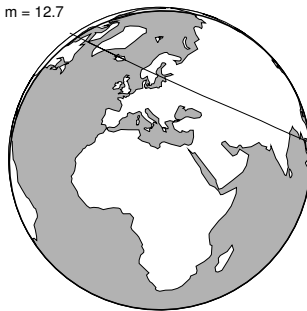
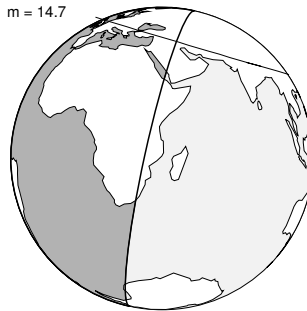
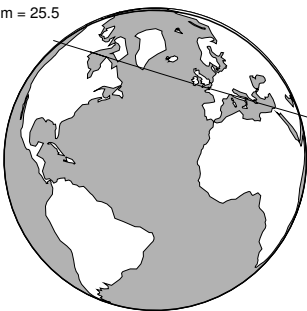
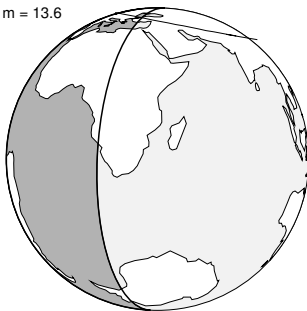
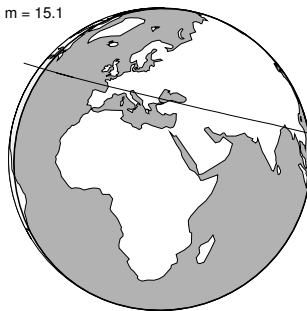
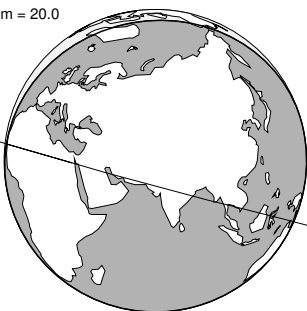
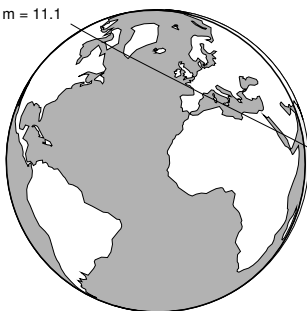
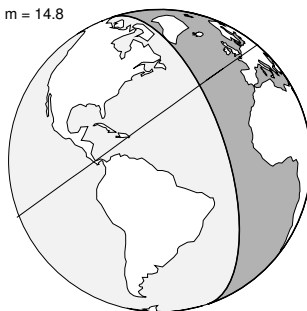
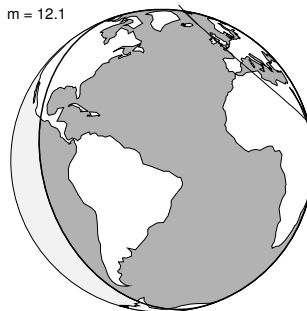
Occultations by major and minor planets – 2027

Region 3

2027 jan 27 20h24.9m A27_01033 111 Ate UCAC4 533-048414 Diam = 139.0 m = 12.3 m = 10.6  Dur = 14.0s Dmag = 0.2 Sun: 175° Moon: 66°	2027 jan 27 22h 9.3m A27_01035 115 Thyra TYC 1390-01393-1 Diam = 83.5 m = 11.6 m = 10.0  Dur = 7.7s Dmag = 0.2 Sun: 174° Moon: 78°	2027 jan 28 1h14.4m A27_01139 1005 Arago PPMX 7233284 Diam = 62.7 m = 11.9 m = 14.7  Dur = 6.0s Dmag = 2.9 Sun: 144° Moon: 41°	2027 jan 28 17h48.5m A27_01027 89 Julia HIP 38342 Diam = 159.0 m = 8.0 m = 10.4  Dur = 11.5s Dmag = 2.5 Sun: 165° Moon: 95°
2027 jan 28 23h32.9m A27_01159 1867 Deiphobus PPMX 3973568 Diam = 131.0 m = 12.4 m = 16.2  Dur = 10.5s Dmag = 3.8 Sun: 130° Moon: 133°	2027 jan 30 18h 2.5m A27_01063 373 Melusina UCAC5 669-039727 Diam = 99.6 m = 12.5 m = 14.3  Dur = 11.3s Dmag = 2.0 Sun: 133° Moon: 145°	2027 jan 31 0h 4.6m A27_01078 446 Aeternitas TYC 1967-00590-1 Diam = 43.0 m = 12.3 m = 13.5  Dur = 3.1s Dmag = 1.5 Sun: 161° Moon: 97°	2027 feb 1 23h33.2m A27_02082 628 Christine TYC 1910-00056-1 Diam = 51.0 m = 10.1 m = 13.2  Dur = 4.6s Dmag = 3.1 Sun: 157° Moon: 152°
2027 feb 3 3h14.4m A27_02054 283 Emma TYC 1395-00042-1 Diam = 150.0 m = 11.7 m = 13.3  Dur = 10.3s Dmag = 1.8 Sun: 173° Moon: 148°	2027 feb 4 4h29.5m A27_02008 50 Virginia UCAC4 524-048391 Diam = 59.2 m = 12.1 m = 13.0  Dur = 4.3s Dmag = 1.4 Sun: 175° Moon: 156°	2027 feb 4 23h37.3m A27_02014 59 Elpis TYC 0708-00775-1 Diam = 173.0 m = 11.3 m = 12.4  Dur = 37.4s Dmag = 1.4 Sun: 125° Moon: 142°	2027 feb 6 5h35.5m A27_02025 86 Semele TYC 4970-00758-1 Diam = 127.0 m = 11.4 m = 14.7  Dur = 43.7s Dmag = 3.4 Sun: 111° Moon: 107°
2027 feb 7 1h30.6m A27_02052 250 Bettina UCAC5 651-044522 Diam = 85.5 m = 12.4 m = 11.7  Dur = 9.0s Dmag = 0.5 Sun: 149° Moon: 146°	2027 feb 7 18h49.7m A27_02015 59 Elpis UCAC5 512-010493 Diam = 173.0 m = 12.4 m = 12.4  Dur = 35.2s Dmag = 0.8 Sun: 122° Moon: 111°	2027 feb 8 3h28.4m A27_02018 69 Hesperia TYC 6249-00140-1 Diam = 143.0 m = 9.0 m = 13.3  Dur = 4.2s Dmag = 4.3 Sun: 51° Moon: 67°	2027 feb 8 4h18.1m A27_02009 52 Europa HIP 53014 Diam = 278.0 m = 7.8 m = 10.4  Dur = 26.5s Dmag = 2.7 Sun: 158° Moon: 173°

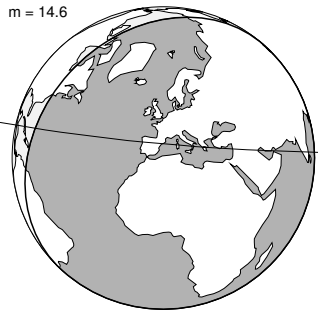
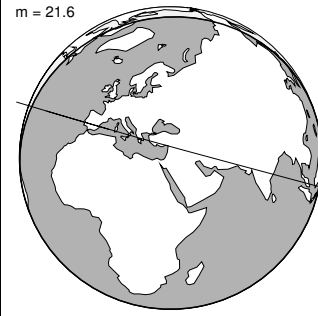
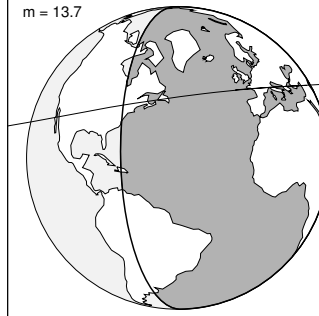
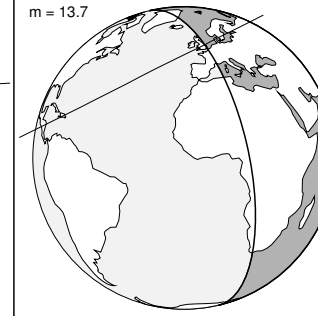
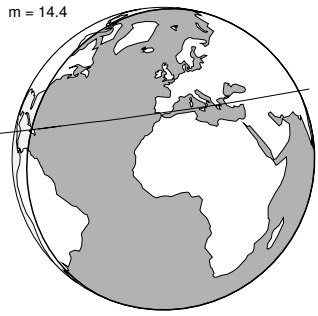
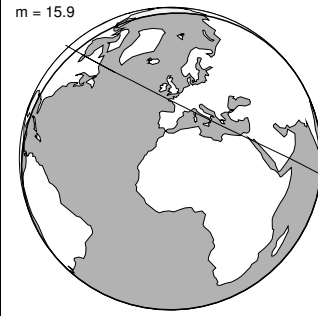
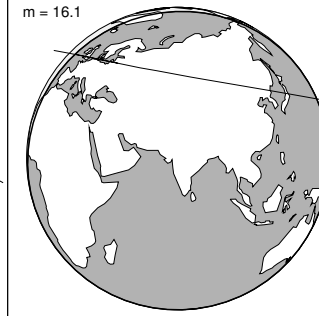
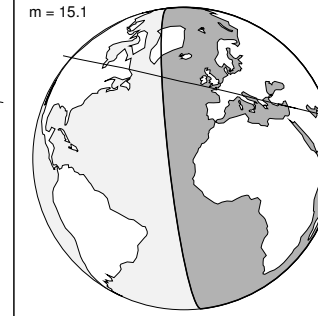
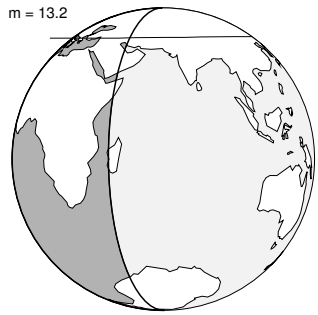
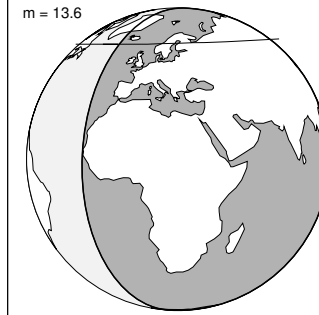
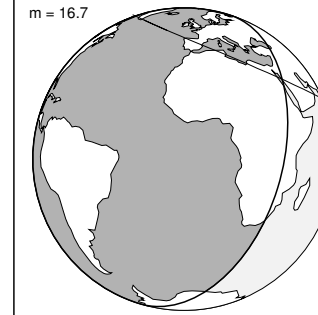
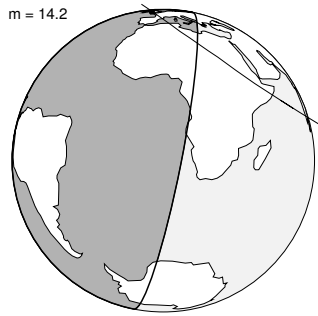
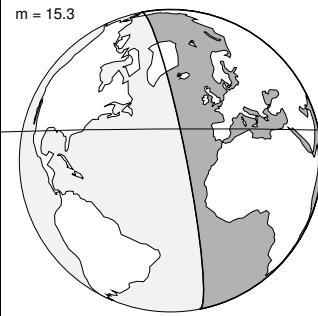
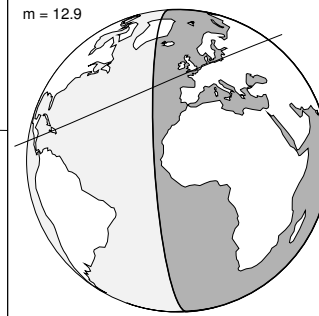
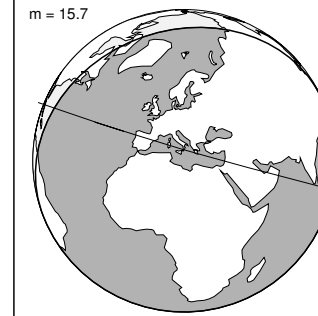
Occultations by major and minor planets – 2027

Region 3

2027 feb 8 5h 5.7m A27_02004 30 Urania UCAC4 549–044354 Diam = 104.0 m = 12.5 m = 10.7  Dur = 10.9s Dmag = 0.2 Sun: 163° Moon: 146°	2027 feb 8 22h12.7m A27_02103 1154 Astronomia TYC 1942–00741–1 Diam = 64.3 m = 10.8 m = 15.8  Dur = 4.5s Dmag = 5.0 Sun: 165° Moon: 140°	2027 feb 9 4h40.2m A27_02074 513 Centesima TYC 5586–00894–1 Diam = 52.5 m = 11.0 m = 15.6  Dur = 4.2s Dmag = 4.6 Sun: 96° Moon: 124°	2027 feb 9 20h16.1m B27_02010 2019GL196 PPMX 9399237 Diam = 94.2 m = 12.7 m = 24.1  Dur = 3.7s Dmag = 11.5 Sun: 161° Moon: 147°
2027 feb 9 22h49.0m A27_02024 85 Io TYC 0188–01352–1 Diam = 178.0 m = 10.9 m = 12.4  Dur = 13.5s Dmag = 1.7 Sun: 152° Moon: 120°	2027 feb 10 0h49.1m A27_02032 111 Ate TYC 1393–00388–1 Diam = 139.0 m = 9.6 m = 11.0  Dur = 14.7s Dmag = 1.7 Sun: 168° Moon: 130°	2027 feb 11 22h28.6m A27_02063 410 Chloris TYC 1954–00062–1 Diam = 128.0 m = 9.3 m = 12.7  Dur = 8.7s Dmag = 3.5 Sun: 165° Moon: 109°	2027 feb 12 3h45.1m A27_02077 567 Eleutheria UCAC4 365–072147 Diam = 97.0 m = 12.5 m = 14.7  Dur = 4.7s Dmag = 2.4 Sun: 83° Moon: 145°
2027 feb 13 2h40.6m A27_02118 2016CD289 UCAC4 571–047242 Diam = 149.3 m = 12.3 m = 25.5  Dur = 5.4s Dmag = 13.2 Sun: 169° Moon: 103°	2027 feb 13 4h56.7m A27_02034 120 Lachesis TYC 6823–02227–1 Diam = 178.0 m = 11.0 m = 13.6  Dur = 6.1s Dmag = 2.7 Sun: 66° Moon: 142°	2027 feb 13 21h18.4m A27_02093 828 Lindemania UCAC5 547–043543 Diam = 55.8 m = 12.4 m = 15.1  Dur = 4.3s Dmag = 2.8 Sun: 163° Moon: 79°	2027 feb 15 0h10.2m A27_02067 426 Hippo UCAC4 626–027732 Diam = 134.0 m = 12.4 m = 13.2  Dur = 14.1s Dmag = 1.2 Sun: 120° Moon: 23°
2027 feb 15 19h11.7m B27_02002 482824 2013XC26 UCAC4 624–043584 Diam = 532.1 m = 12.9 m = 20.0  Dur = 21.9s Dmag = 7.2 Sun: 157° Moon: 59°	2027 feb 17 2h29.4m A27_02045 196 Philomela UCAC4 543–051574 Diam = 146.0 m = 12.3 m = 11.1  Dur = 11.2s Dmag = 0.3 Sun: 166° Moon: 63°	2027 feb 17 20h 0.0m A27_02102 1093 Freda TYC 0630–00621–1 Diam = 120.0 m = 12.4 m = 14.8  Dur = 4.0s Dmag = 2.5 Sun: 63° Moon: 73°	2027 feb 19 0h38.4m A27_02087 712 Boliviana UCAC4 457–037237 Diam = 132.0 m = 12.2 m = 12.1  Dur = 19.6s Dmag = 0.7 Sun: 142° Moon: 22°

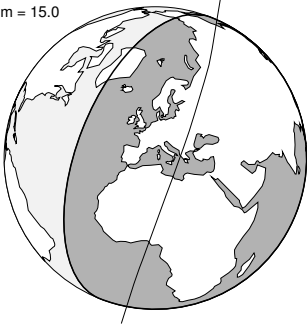
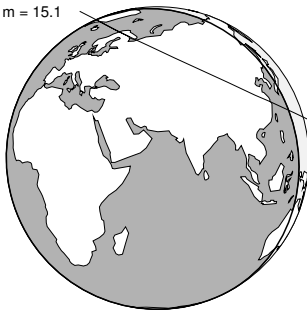
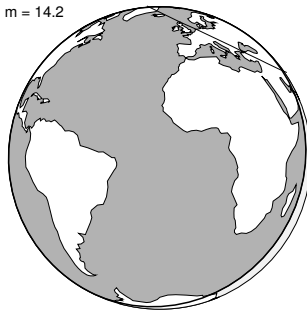
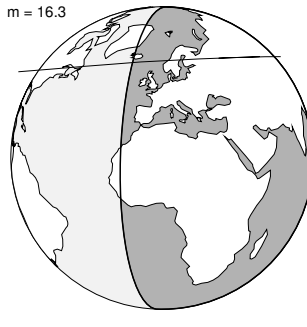
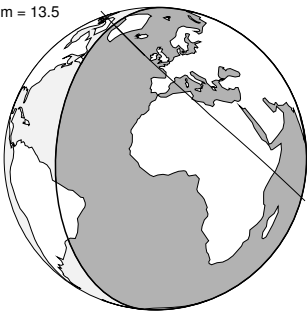
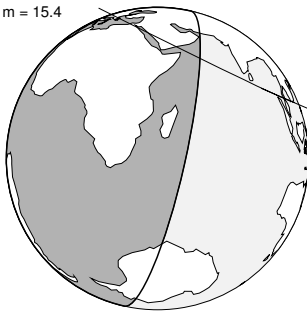
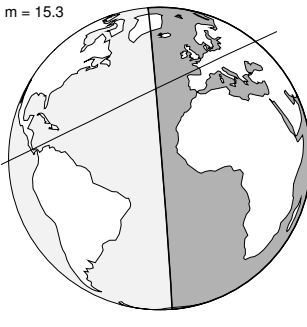
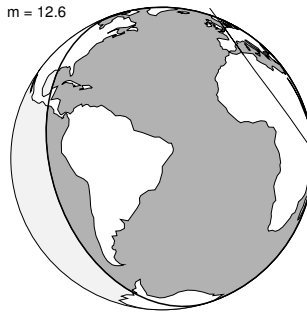
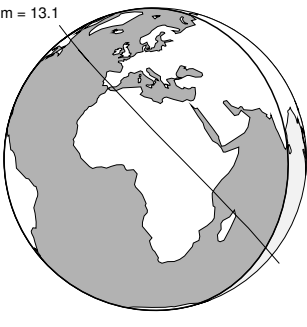
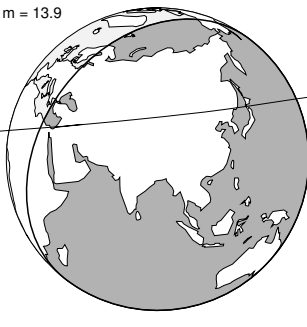
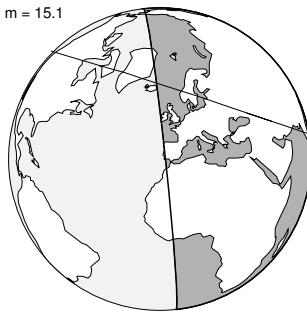
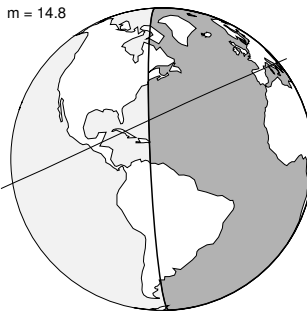
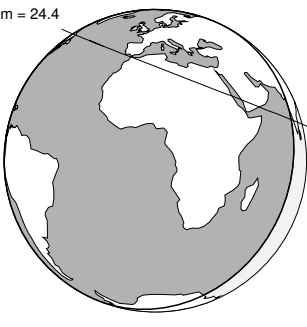
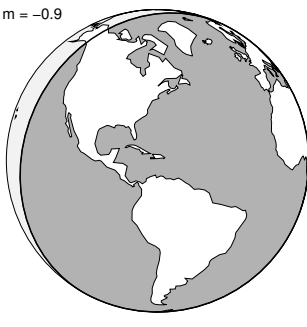
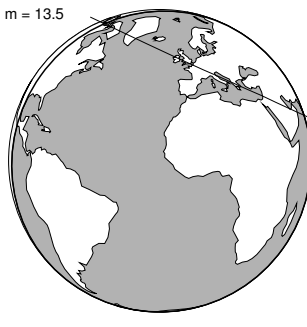
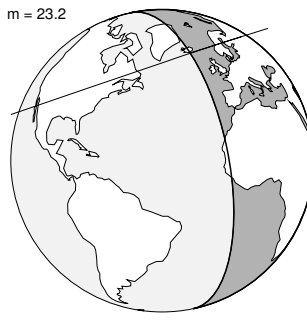
Occultations by major and minor planets – 2027

Region 3

2027 feb 19 22h28.8m A27_02111 2617 Jiangxi TYC 2489–02048–1 Diam = 59.2 m = 9.1 m = 14.6  Dur = 7.7s Dmag = 5.6 Sun: 146° Moon: 22°	2027 feb 20 21h27.9m B27_02004 613214 2005UN524 UCAC4 611–045846 Diam = 76.6 m = 14.7 m = 21.6  Dur = 3.4s Dmag = 6.9 Sun: 158° Moon: 22°	2027 feb 21 22h44.6m A27_02076 566 Stereoskopia PPMX 4984489 Diam = 175.0 m = 12.3 m = 13.7  Dur = 37.1s Dmag = 1.7 Sun: 112° Moon: 81°	2027 feb 23 17h18.0m A27_02059 360 Carlova UCAC4 475–003668 Diam = 121.0 m = 11.9 m = 13.7  Dur = 3.8s Dmag = 1.9 Sun: 64° Moon: 149°
2027 feb 23 22h49.6m A27_02106 1639 Bower UCAC4 548–046254 Diam = 41.0 m = 10.8 m = 14.4  Dur = 5.2s Dmag = 3.6 Sun: 153° Moon: 67°	2027 feb 24 23h46.4m A27_02109 2127 Tanya TYC 1963–01172–1 Diam = 42.5 m = 10.2 m = 15.9  Dur = 3.2s Dmag = 5.7 Sun: 161° Moon: 69°	2027 feb 25 18h45.6m A27_02112 3248 Farinella TYC 1968–01169–1 Diam = 50.1 m = 12.1 m = 16.1  Dur = 3.2s Dmag = 4.1 Sun: 164° Moon: 74°	2027 feb 27 19h47.0m A27_02105 1306 Scythia TYC 1292–00045–1 Diam = 69.5 m = 10.8 m = 15.1  Dur = 4.9s Dmag = 4.3 Sun: 95° Moon: 168°
2027 mar 2 3h 4.5m A27_03050 140 Siwa TYC 6276–02109–1 Diam = 114.0 m = 8.2 m = 13.2  Dur = 3.6s Dmag = 5.1 Sun: 68° Moon: 6°	2027 mar 2 18h48.4m A27_03169 2002PQ152 TYC 1811–00798–1 Diam = 61.9 m = 10.3 m = 23.5  Dur = 4.9s Dmag = 13.2 Sun: 77° Moon: 140°	2027 mar 3 19h14.4m A27_03123 779 Nina TYC 0776–00194–1 Diam = 72.0 m = 9.7 m = 13.6  Dur = 14.0s Dmag = 3.9 Sun: 129° Moon: 170°	2027 mar 4 3h56.2m A27_03157 2376 Martynov UCAC4 404–056957 Diam = 40.6 m = 12.3 m = 16.7  Dur = 8.8s Dmag = 4.4 Sun: 130° Moon: 84°
2027 mar 4 5h14.9m A27_03075 356 Liguria UCAC5 308–084442 Diam = 135.0 m = 12.5 m = 14.2  Dur = 12.3s Dmag = 1.9 Sun: 96° Moon: 50°	2027 mar 4 19h31.0m A27_03153 1351 Uzbekistania TYC 2371–01728–1 Diam = 67.1 m = 9.7 m = 15.3  Dur = 3.4s Dmag = 5.6 Sun: 83° Moon: 124°	2027 mar 6 19h24.5m A27_03024 59 Elpis UCAC4 523–014716 Diam = 173.0 m = 12.2 m = 12.9  Dur = 12.8s Dmag = 1.1 Sun: 98° Moon: 117°	2027 mar 6 22h21.7m A27_03158 2655 Guangxi UCAC4 623–046356 Diam = 40.7 m = 12.2 m = 15.7  Dur = 3.9s Dmag = 3.6 Sun: 149° Moon: 156°

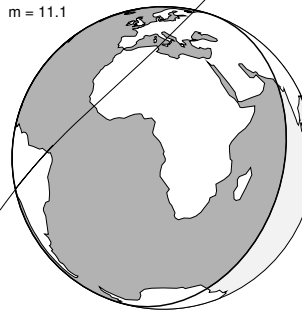
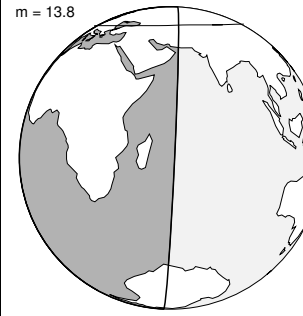
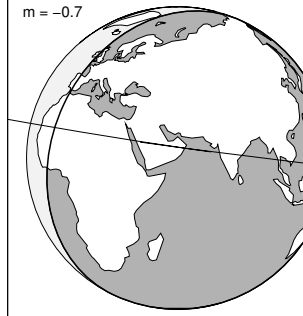
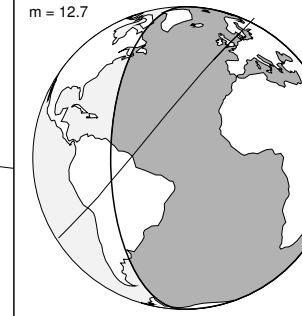
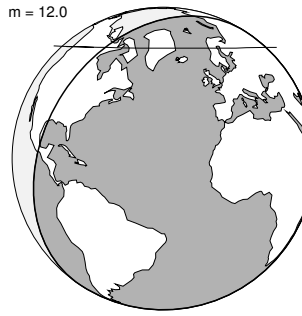
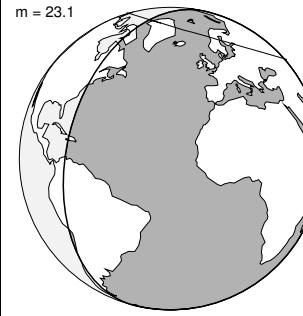
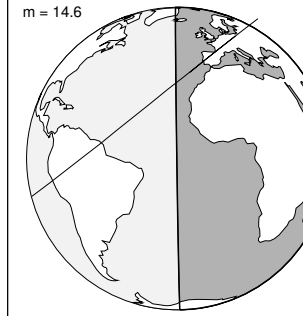
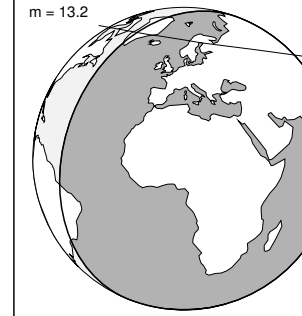
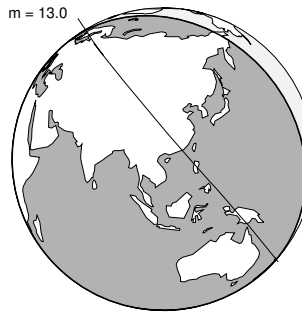
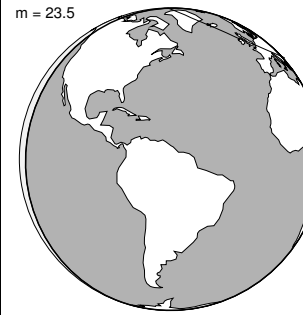
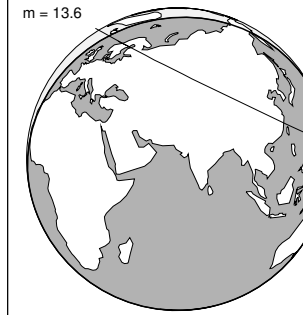
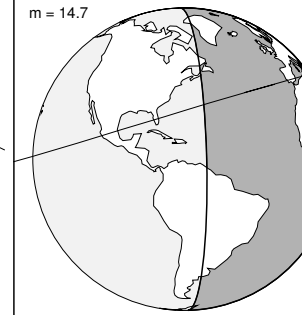
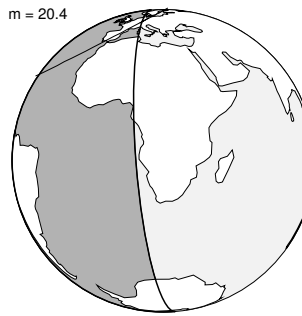
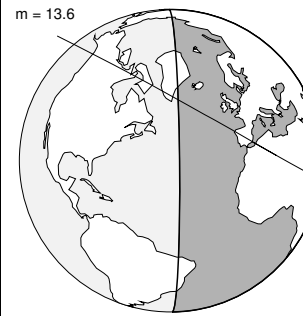
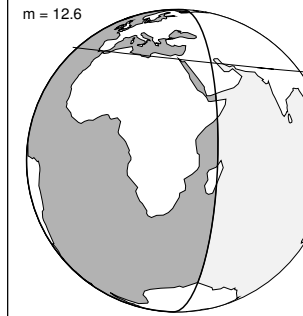
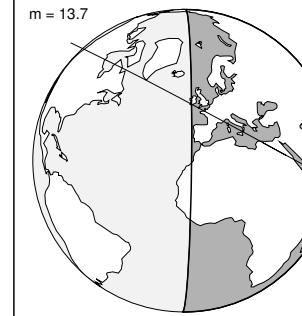
Occultations by major and minor planets – 2027

Region 3

2027 mar 7 20h 9.1m A27_03114 697 Gallilea UCAC5 649-042455 Diam = 82.5 m = 12.4 m = 15.0  Dur = 10.4s Dmag = 2.7 Sun: 121° Moon: 126°	2027 mar 7 21h27.1m A27_03138 1041 Asta HIP 61361 Diam = 60.6 m = 11.8 m = 15.1  Dur = 4.4s Dmag = 3.3 Sun: 157° Moon: 152°	2027 mar 8 2h23.3m A27_03046 102 Miriam TYC 4946-00725-1 Diam = 86.0 m = 11.0 m = 14.2  Dur = 6.0s Dmag = 3.3 Sun: 161° Moon: 159°	2027 mar 8 18h55.6m A27_03154 1581 Abanderada UCAC4 569-026005 Diam = 40.0 m = 10.4 m = 16.3  Dur = 5.7s Dmag = 5.9 Sun: 105° Moon: 101°
2027 mar 8 21h22.8m A27_03022 56 Melete UCAC5 507-042277 Diam = 90.8 m = 12.4 m = 13.5  Dur = 12.1s Dmag = 1.4 Sun: 131° Moon: 126°	2027 mar 9 2h18.5m A27_03108 657 Gunlöd TYC 7347-01097-1 Diam = 43.6 m = 10.9 m = 15.4  Dur = 3.4s Dmag = 4.5 Sun: 100° Moon: 109°	2027 mar 9 19h38.7m A27_03069 314 Rosalia TYC 0702-02533-1 Diam = 61.6 m = 11.5 m = 15.3  Dur = 3.4s Dmag = 3.8 Sun: 89° Moon: 74°	2027 mar 11 0h 6.1m A27_03013 25 Phocaea UCAC5 396-042616 Diam = 78.0 m = 12.5 m = 12.6  Dur = 5.8s Dmag = 0.8 Sun: 137° Moon: 115°
2027 mar 11 0h56.9m A27_03078 381 Myrrha UCAC4 495-058831 Diam = 136.5 m = 12.5 m = 13.1  Dur = 12.0s Dmag = 1.1 Sun: 151° Moon: 159°	2027 mar 11 16h17.1m A27_03089 446 Aeternitas TYC 2494-01366-1 Diam = 43.0 m = 9.6 m = 13.9  Dur = 4.4s Dmag = 4.3 Sun: 141° Moon: 103°	2027 mar 11 18h32.3m A27_03113 693 Zerbinita UCAC5 636-020154 Diam = 69.1 m = 12.4 m = 15.1  Dur = 3.8s Dmag = 2.8 Sun: 87° Moon: 48°	2027 mar 11 22h39.6m A27_03099 589 Croatia UCAC4 511-013441 Diam = 92.5 m = 12.2 m = 14.8  Dur = 6.3s Dmag = 2.7 Sun: 94° Moon: 54°
2027 mar 12 1h22.7m B27_03018 2015FA562 UCAC4 412-054462 Diam = 73.5 m = 14.6 m = 24.4  Dur = 3.3s Dmag = 9.9 Sun: 153° Moon: 162°	2027 mar 12 3h15.8m P27_03001 Mars TYC 1414-00769-1 Diam = 6759.2 m = 9.5 m = -0.9  Dur = 1186.3s Dmag = 0.0 Sun: 151° Moon: 107°	2027 mar 14 0h37.1m A27_03071 334 Chicago TYC 0849-00552-1 Diam = 170.0 m = 11.4 m = 13.5  Dur = 11.6s Dmag = 2.2 Sun: 165° Moon: 97°	2027 mar 15 19h 4.8m B27_03011 2013RZ108 UCAC4 544-007539 Diam = 100.0 m = 13.5 m = 23.2  Dur = 5.3s Dmag = 9.8 Sun: 64° Moon: 28°

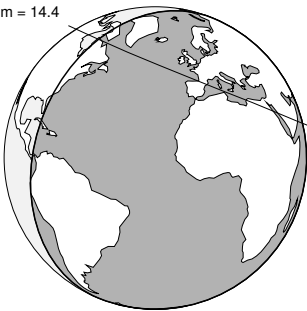
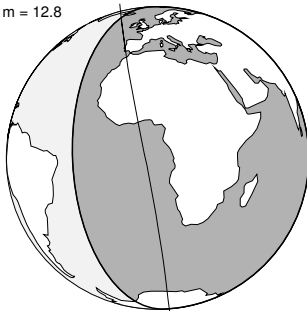
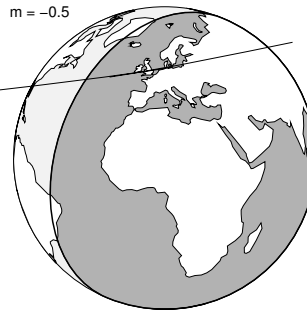
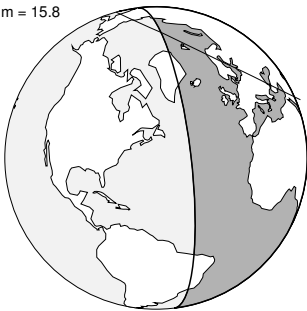
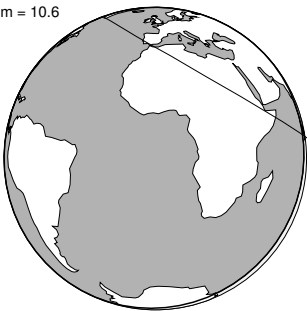
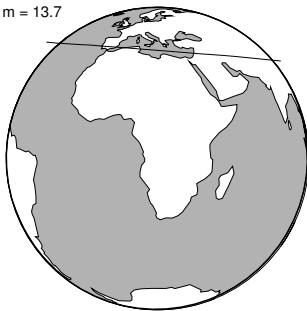
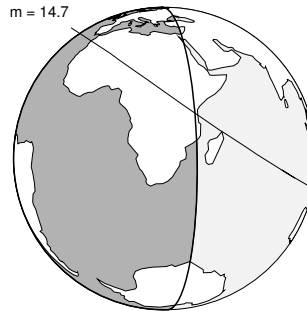
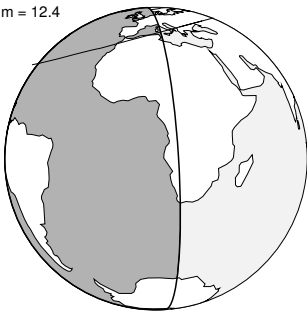
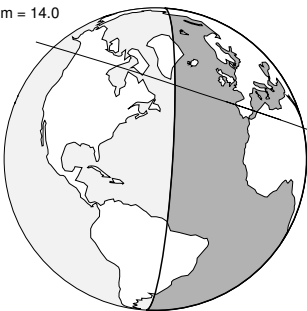
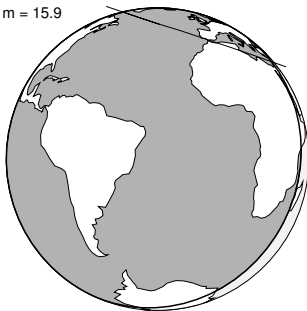
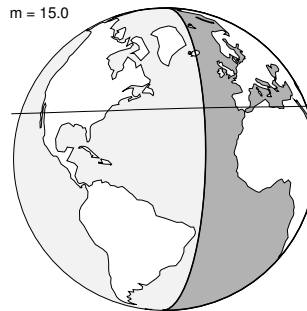
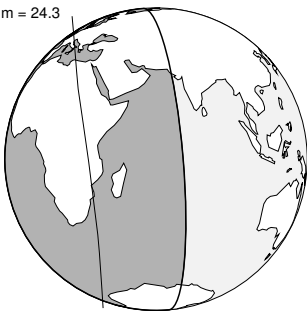
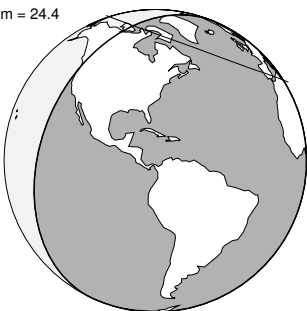
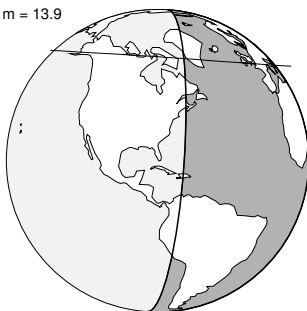
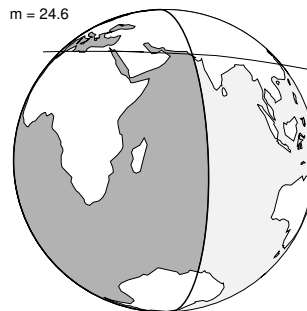
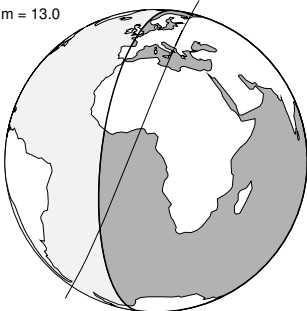
Occultations by major and minor planets – 2027

Region 3

2027 mar 16 1h39.1m A27_03059 187 Lambertia Diam = 135.0 m = 11.1  Dur = 33.1s Sun: 142° Dmag = 0.9 Moon: 122°	2027 mar 16 2h 9.0m A27_03049 122 Gerda Diam = 86.5 m = 13.8  Dur = 5.7s Sun: 91° Dmag = 2.1 Moon: 171°	2027 mar 16 18h24.5m P27_03002 Mars Diam = 6759.2 m = -0.7  Dur = 1471.0s Sun: 146° Dmag = 0.0 Moon: 42°	2027 mar 16 22h 9.7m A27_03116 712 Boliviana Diam = 132.0 m = 12.4  Dur = 20.2s Sun: 119° Dmag = 0.9 Moon: 25°
2027 mar 17 0h29.1m A27_03032 68 Leto Diam = 127.0 m = 12.0  Dur = 12.8s Sun: 142° Dmag = 0.7 Moon: 36°	2027 mar 17 22h57.5m B27_03014 2021EE44 Diam = 208.9 m = 23.1  Dur = 12.4s Sun: 133° Dmag = 8.3 Moon: 14°	2027 mar 18 19h35.8m A27_03120 754 Malabar Diam = 89.1 m = 14.6  Dur = 4.4s Sun: 90° Dmag = 5.2 Moon: 47°	2027 mar 19 21h16.0m A27_03034 73 Klytia Diam = 45.0 m = 13.2  Dur = 7.3s Sun: 142° Dmag = 1.4 Moon: 4°
2027 mar 20 18h13.6m A27_03117 729 Watsonia Diam = 53.3 m = 13.0  Dur = 4.8s Sun: 152° Dmag = 5.5 Moon: 41°	2027 mar 21 3h 2.2m B27_03015 2023FN57 Diam = 138.0 m = 23.5  Dur = 5.8s Sun: 163° Dmag = 8.6 Moon: 2°	2027 mar 21 19h 8.3m A27_03133 943 Begonia Diam = 72.0 m = 13.6  Dur = 7.5s Sun: 158° Dmag = 1.5 Moon: 20°	2027 mar 21 22h 9.5m A27_03103 635 Vundtia Diam = 100.0 m = 14.7  Dur = 4.6s Sun: 81° Dmag = 4.7 Moon: 91°
2027 mar 23 5h26.0m B27_03005 459865 2013XZ8 Diam = 52.7 m = 20.4  Dur = 3.5s Sun: 79° Dmag = 5.5 Moon: 91°	2027 mar 24 20h51.7m A27_03029 61 Danaë Diam = 83.6 m = 13.6  Dur = 4.3s Sun: 86° Dmag = 2.1 Moon: 124°	2027 mar 25 2h55.9m A27_03084 432 Pythia Diam = 48.6 m = 12.6  Dur = 4.0s Sun: 105° Dmag = 1.6 Moon: 43°	2027 mar 25 18h52.7m A27_03083 426 Hippo Diam = 134.0 m = 13.7  Dur = 7.0s Sun: 87° Dmag = 2.5 Moon: 135°

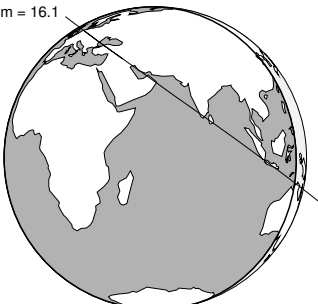
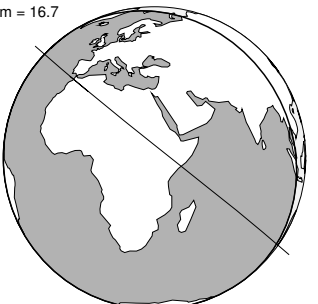
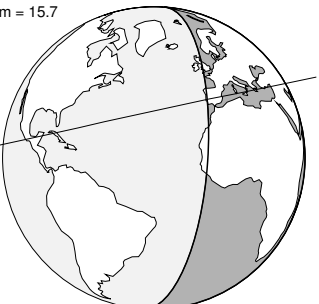
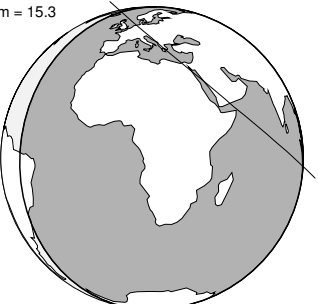
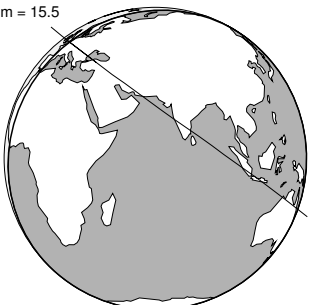
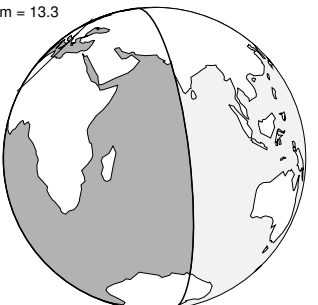
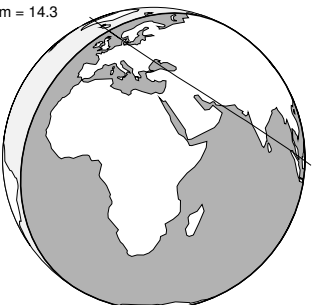
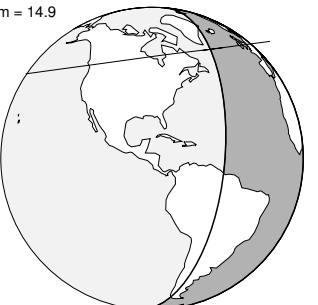
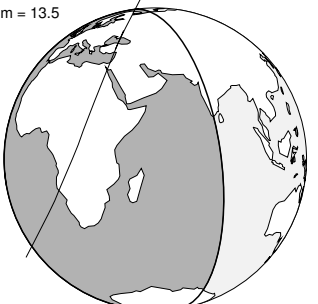
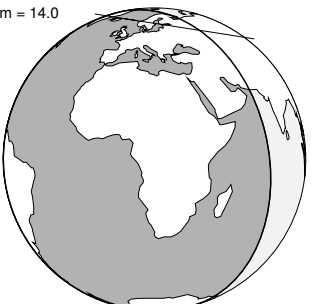
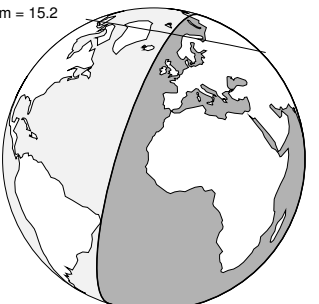
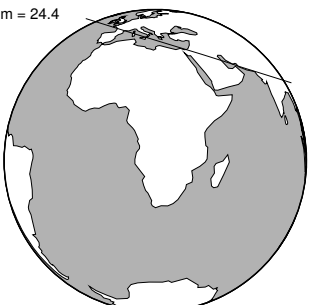
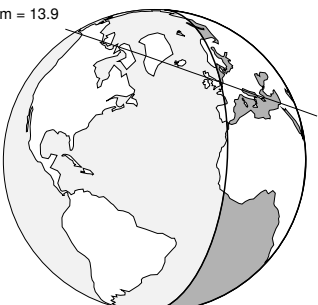
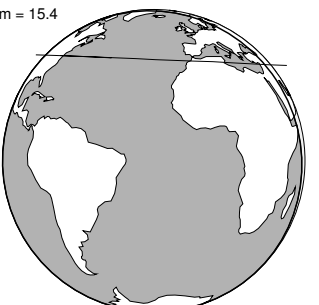
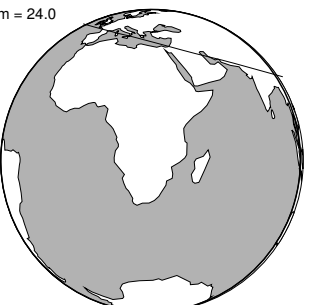
Occultations by major and minor planets – 2027

Region 3

2027 mar 25 23h28.0m A27_03150 1269 Rollandia TYC 0835–00235–1 Diam = 109.0 m = 10.7 m = 14.4  Dur = 14.2s Dmag = 3.7 Sun: 142° Moon: 82°	2027 mar 26 19h54.4m A27_03015 25 Phocaea UCAC4 410–045904 Diam = 78.0 m = 12.4 m = 12.8  Dur = 6.8s Dmag = 1.0 Sun: 124° Moon: 102°	2027 mar 26 20h47.8m P27_03003 Mars TYC 1413–00454–1 Diam = 6759.2 m = 9.0 m = -0.5  Dur = 3398.2s Dmag = 0.0 Sun: 135° Moon: 100°	2027 mar 28 20h57.4m A27_03148 1241 Dysona UCAC4 645–028527 Diam = 86.2 m = 12.1 m = 15.8  Dur = 3.6s Dmag = 3.7 Sun: 76° Moon: 168°
2027 mar 31 1h 0.0m A27_03017 32 Pomona TYC 5547–01055–1 Diam = 82.0 m = 11.6 m = 10.6  Dur = 8.9s Dmag = 0.4 Sun: 166° Moon: 88°	2027 apr 4 23h18.3m A27_04054 255 Oppavia UCAC4 397–054170 Diam = 58.0 m = 10.4 m = 13.7  Dur = 5.3s Dmag = 3.4 Sun: 170° Moon: 147°	2027 apr 5 3h33.0m A27_04122 1303 Luthera HIP 89043 Diam = 88.8 m = 14.7 m = 9.7  Dur = 8.3s Dmag = 5.0 Sun: 102° Moon: 80°	2027 apr 5 4h59.6m A27_04021 67 Asia TYC 6270–00230–1 Diam = 60.0 m = 12.4 m = 12.4  Dur = 3.6s Dmag = 0.7 Sun: 98° Moon: 77°
2027 apr 5 21h28.2m A27_04046 172 Baucis TYC 1892–01190–1 Diam = 64.5 m = 11.2 m = 14.0  Dur = 3.2s Dmag = 2.8 Sun: 83° Moon: 96°	2027 apr 6 3h16.9m A27_04131 2697 Albina TYC 6142–00314–1 Diam = 54.0 m = 11.9 m = 15.9  Dur = 4.1s Dmag = 4.0 Sun: 158° Moon: 149°	2027 apr 6 20h11.6m A27_04069 379 Huenna PPMX 6015851 Diam = 96.1 m = 11.9 m = 15.0  Dur = 4.1s Dmag = 3.2 Sun: 74° Moon: 76°	2027 apr 7 1h17.7m B27_04019 2009KJ30 Gaia 079–0150442 Diam = 91.2 m = 14.6 m = 24.3  Dur = 10.6s Dmag = 9.7 Sun: 100° Moon: 100°
2027 apr 7 2h47.3m B27_04016 2006AN98 UCAC4 505–052792 Diam = 100.5 m = 14.0 m = 24.4  Dur = 5.5s Dmag = 10.4 Sun: 139° Moon: 137°	2027 apr 9 22h57.8m A27_04079 449 Hamburga TYC 1884–01230–1 Diam = 88.6 m = 11.0 m = 13.9  Dur = 3.7s Dmag = 3.0 Sun: 79° Moon: 42°	2027 apr 10 1h12.4m A27_04143 2013JF64 TYC 6276–01814–1 Diam = 57.5 m = 11.1 m = 24.6  Dur = 26.8s Dmag = 13.6 Sun: 106° Moon: 145°	2027 apr 10 18h48.0m A27_04007 25 Phocaea TYC 4875–01237–1 Diam = 78.0 m = 9.9 m = 13.0  Dur = 6.8s Dmag = 3.1 Sun: 111° Moon: 69°

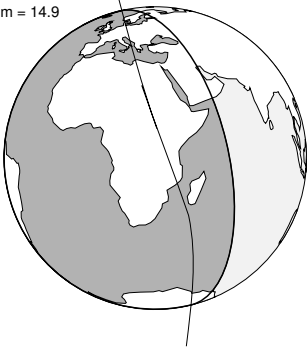
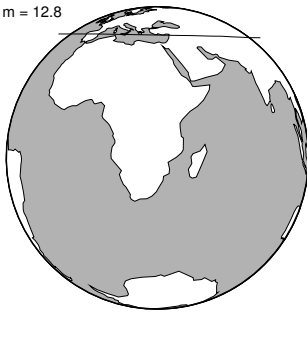
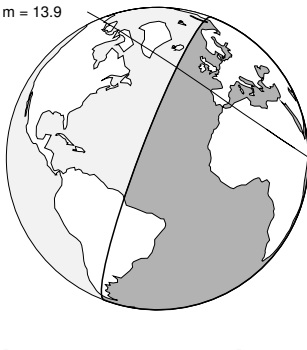
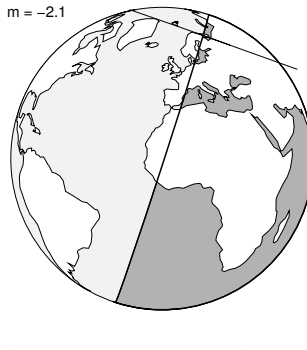
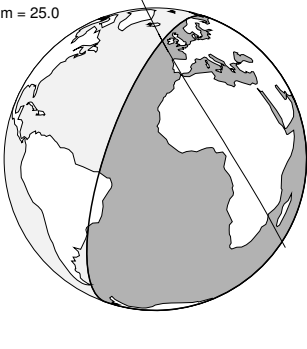
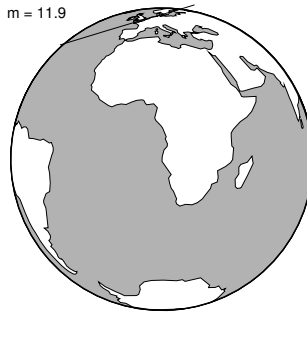
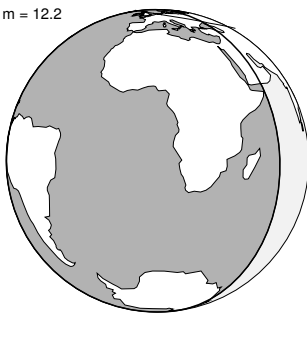
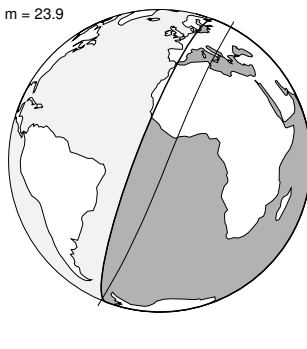
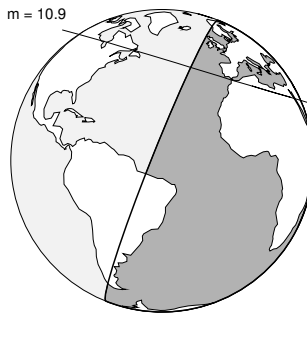
Occultations by major and minor planets – 2027

Region 3

2027 apr 14 21h30.6m A27_04139 3793 Leoneus UCAC4 413-061621 Diam = 72.4 m = 11.8 m = 16.1  Dur = 4.3s Dmag = 4.3 Sun: 158° Moon: 97°	2027 apr 14 23h 6.0m A27_04133 2759 Idomeneus UCAC4 471-050778 Diam = 73.3 m = 12.5 m = 16.7  Dur = 4.5s Dmag = 4.2 Sun: 155° Moon: 91°	2027 apr 15 19h 7.1m A27_04103 791 Ani UCAC4 540-024887 Diam = 107.0 m = 11.3 m = 15.7  Dur = 4.2s Dmag = 4.4 Sun: 69° Moon: 45°	2027 apr 15 20h55.6m A27_04115 979 Ilsewa UCAC4 411-052865 Diam = 40.6 m = 10.4 m = 15.3  Dur = 3.2s Dmag = 4.9 Sun: 150° Moon: 38°
2027 apr 16 18h41.8m A27_04124 1369 Ostanina TYC 0290-00500-1 Diam = 45.5 m = 8.9 m = 15.5  Dur = 3.2s Dmag = 6.6 Sun: 162° Moon: 37°	2027 apr 17 0h53.7m A27_04100 790 Pretoria UCAC4 361-175031 Diam = 176.0 m = 11.6 m = 13.3  Dur = 13.0s Dmag = 2.0 Sun: 103° Moon: 126°	2027 apr 18 20h 3.1m A27_04087 592 Bathseba TYC 0278-00652-1 Diam = 57.5 m = 11.1 m = 14.3  Dur = 6.2s Dmag = 3.2 Sun: 146° Moon: 10°	2027 apr 19 21h55.6m A27_04090 635 Vundtia PPMX 6984063 Diam = 100.0 m = 12.0 m = 14.9  Dur = 3.2s Dmag = 3.0 Sun: 61° Moon: 105°
2027 apr 20 0h41.8m A27_04052 238 Hypatia TYC 5676-00172-1 Diam = 156.0 m = 10.4 m = 13.5  Dur = 21.3s Dmag = 3.2 Sun: 115° Moon: 76°	2027 apr 20 1h29.4m A27_04064 350 Ornamenta UCAC4 435-065166 Diam = 123.0 m = 12.4 m = 14.0  Dur = 12.0s Dmag = 1.8 Sun: 138° Moon: 53°	2027 apr 20 20h10.5m A27_04060 301 Bavaria TYC 1404-00076-1 Diam = 55.5 m = 12.0 m = 15.2  Dur = 6.5s Dmag = 3.3 Sun: 103° Moon: 75°	2027 apr 29 19h58.4m A27_04074 426 Hippo TYC 1898-02713-1 Diam = 134.0 m = 12.0 m = 13.9  Dur = 4.4s Dmag = 2.1 Sun: 62° Moon: 142°
2027 apr 30 22h42.5m B27_04012 2000GY146 UCAC4 368-068176 Diam = 109.6 m = 14.1 m = 24.4  Dur = 4.4s Dmag = 10.3 Sun: 177° Moon: 111°	2027 may 1 19h 9.9m A27_05078 426 Hippo PPMX 5056018 Diam = 134.0 m = 12.5 m = 13.9  Dur = 4.3s Dmag = 1.7 Sun: 61° Moon: 118°	2027 may 2 2h22.2m A27_05146 2797 Teucer UCAC4 412-059802 Diam = 123.0 m = 12.2 m = 15.4  Dur = 7.0s Dmag = 3.3 Sun: 165° Moon: 116°	2027 may 2 22h55.5m B27_05006 500828 2013GR136 UCAC4 362-070153 Diam = 110.7 m = 14.0 m = 24.0  Dur = 4.6s Dmag = 10.0 Sun: 168° Moon: 125°

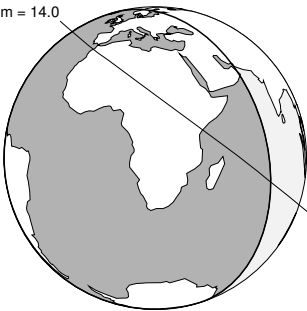
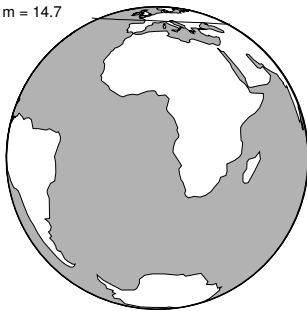
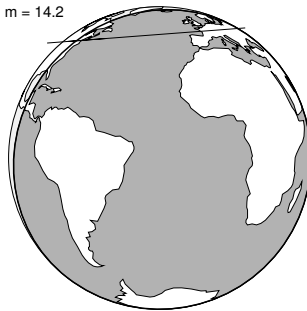
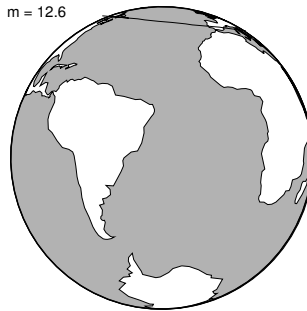
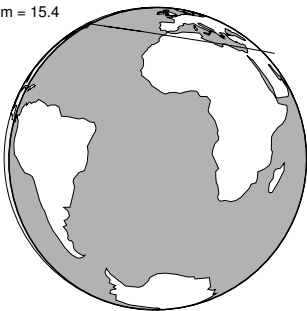
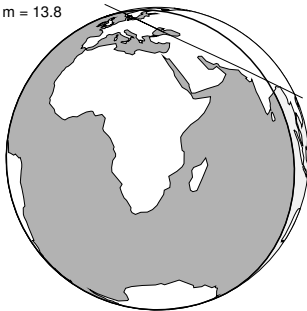
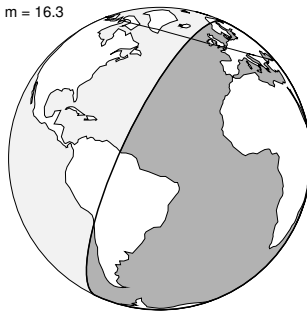
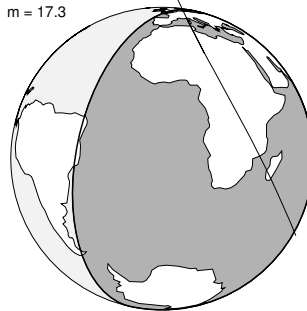
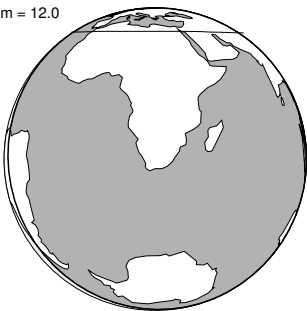
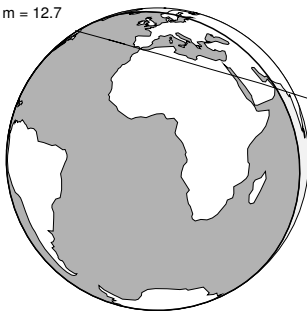
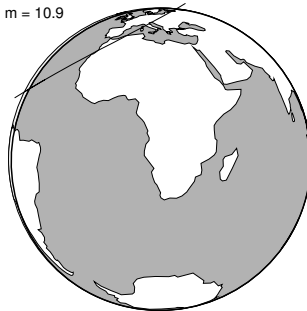
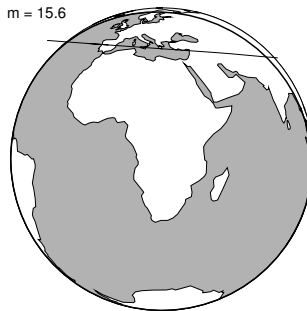
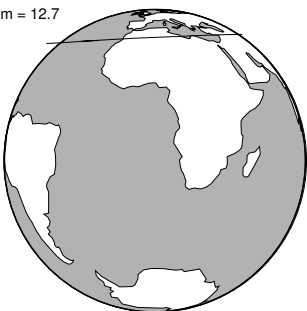
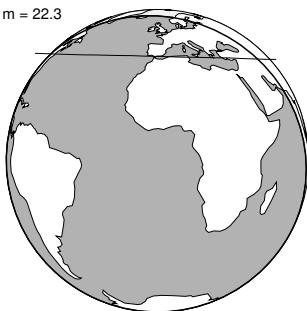
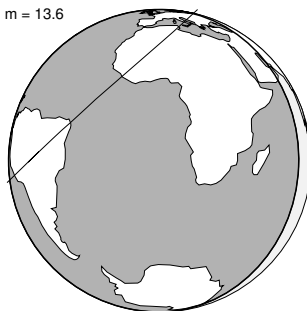
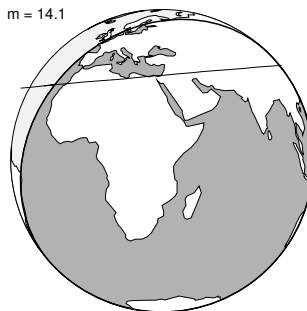
Occultations by major and minor planets – 2027

Region 3

2027 may 3 2h 5.5m A27_05124 928 Hildrun UCAC4 412-087766 Diam = 69.7 m = 11.9  Dur = 34.1s Dmag = 3.1 Sun: 118° Moon: 77°	2027 may 3 22h 9.5m A27_05112 718 Erida UCAC4 359-069148 Diam = 76.5 m = 12.1  Dur = 8.2s Dmag = 1.1 Sun: 175° Moon: 144°	2027 may 4 19h52.5m A27_05109 702 Alauda TYC 1352-01162-1 Diam = 202.0 m = 13.5  Dur = 6.8s Dmag = 3.3 Sun: 59° Moon: 81°	2027 may 4 22h43.7m A27_05030 87 Sylvia TYC 1963-01236-1 Diam = 271.0 m = 11.2  Dur = 23.0s Dmag = 2.4 Sun: 95° Moon: 113°
2027 may 5 21h 3.9m A27_05087 538 Friederike TYC 5621-00695-1 Diam = 77.8 m = 10.8  Dur = 6.2s Dmag = 3.7 Sun: 159° Moon: 150°	2027 may 8 21h22.4m A27_05060 245 Vera TYC 1414-00872-1 Diam = 84.8 m = 12.1  Dur = 7.3s Dmag = 2.0 Sun: 96° Moon: 64°	2027 may 9 17h 7.9m A27_05134 1109 Tata TYC 5526-01566-1 Diam = 69.5 m = 11.7  Dur = 10.8s Dmag = 3.4 Sun: 138° Moon: 96°	2027 may 9 18h54.5m P27_05002 Jupiter TYC 1402-00871-1 Diam = 133542.0 m = 9.5  Dur = 11371.1s Dmag = 0.0 Sun: 89° Moon: 45°
2027 may 9 20h31.7m A27_05163 2019EF8 UCAC4 462-046431 Diam = 77.6 m = 12.5  Dur = 10.8s Dmag = 12.5 Sun: 109° Moon: 64°	2027 may 9 21h48.3m A27_05021 65 Cybele TYC 6253-00324-1 Diam = 230.0 m = 11.4  Dur = 44.9s Dmag = 0.8 Sun: 141° Moon: 168°	2027 may 13 23h45.6m A27_05066 319 Leona UCAC4 398-072682 Diam = 73.3 m = 11.6  Dur = 6.0s Dmag = 4.3 Sun: 145° Moon: 111°	2027 may 20 23h26.8m A27_05096 596 Scheila TYC 6200-01375-1 Diam = 117.0 m = 10.1  Dur = 10.8s Dmag = 2.0 Sun: 174° Moon: 9°
2027 may 23 0h12.7m A27_05053 200 Dynamene UCAC4 392-054831 Diam = 132.0 m = 13.3  Dur = 34.7s Dmag = 1.4 Sun: 129° Moon: 79°	2027 may 26 2h10.8m A27_05059 241 Germania TYC 6859-00547-1 Diam = 169.0 m = 10.3  Dur = 26.5s Dmag = 2.1 Sun: 143° Moon: 27°	2027 may 27 19h24.0m B27_05019 2017BO237 UCAC4 430-052731 Diam = 82.4 m = 13.3  Dur = 13.3s Dmag = 10.7 Sun: 99° Moon: 160°	2027 may 27 21h 1.7m A27_05003 10 Hygiea TYC 0256-01067-1 Diam = 429.0 m = 11.4  Dur = 30.6s Dmag = 0.5 Sun: 93° Moon: 168°

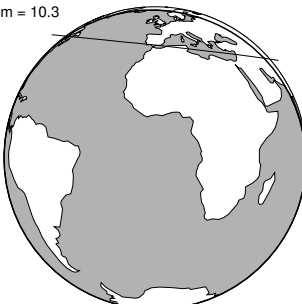
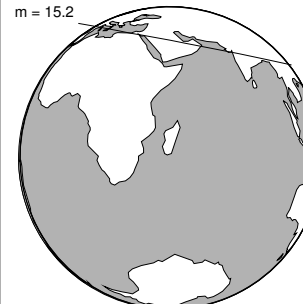
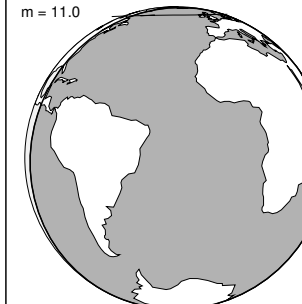
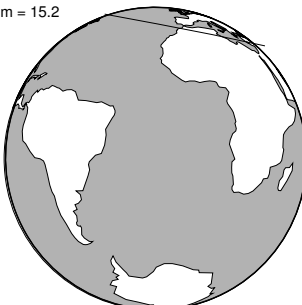
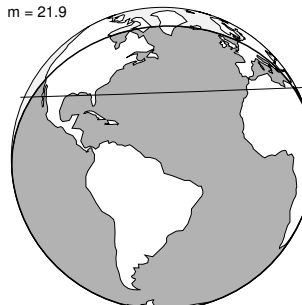
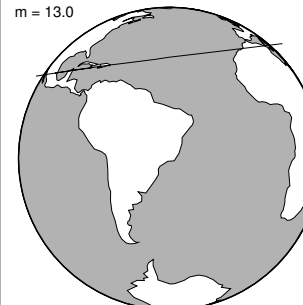
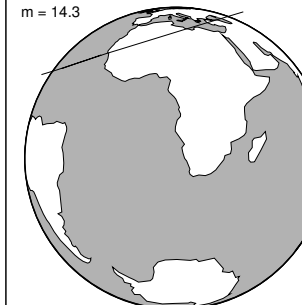
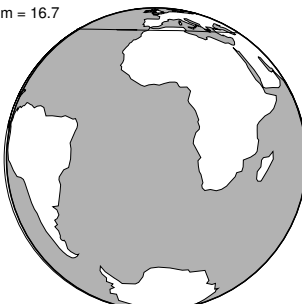
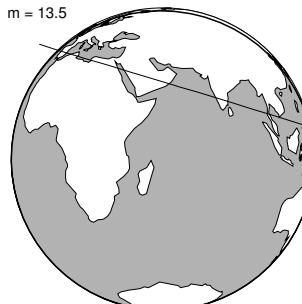
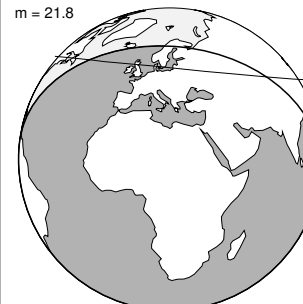
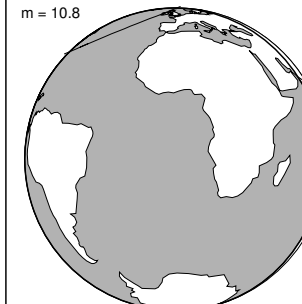
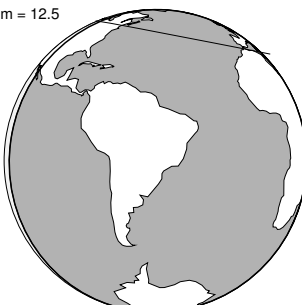
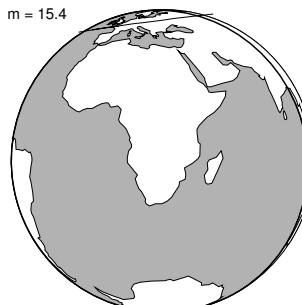
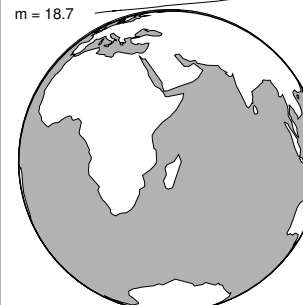
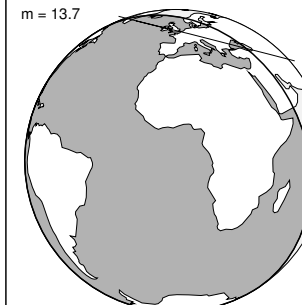
Occultations by major and minor planets – 2027

Region 3

2027 may 28 1h24.8m A27_05122 895 Helio UCAC4 378–152021 Diam = 147.0 m = 11.9 m = 14.0  Dur = 12.1s Dmag = 2.2 Sun: 137° Moon: 43°	2027 may 30 23h59.1m A27_05130 1010 Marlene UCAC4 351–084400 Diam = 45.2 m = 10.7 m = 14.7  Dur = 3.5s Dmag = 4.0 Sun: 174° Moon: 112°	2027 jun 5 0h33.8m A27_06114 691 Lehigh TYC 5605–01144–1 Diam = 92.6 m = 11.1 m = 14.2  Dur = 6.7s Dmag = 3.1 Sun: 161° Moon: 157°	2027 jun 8 2h29.4m A27_06090 554 Peraga UCAC4 321–115619 Diam = 98.5 m = 11.8 m = 12.6  Dur = 7.9s Dmag = 1.2 Sun: 173° Moon: 140°
2027 jun 9 23h42.3m A27_06134 946 Poesia HIP 78990 Diam = 50.0 m = 15.4 m = 4.1  Dur = 3.8s Dmag = 11.3 Sun: 165° Moon: 94°	2027 jun 10 23h48.8m A27_06130 895 Helio UCAC4 384–129264 Diam = 147.0 m = 11.5 m = 13.8  Dur = 9.6s Dmag = 2.4 Sun: 152° Moon: 122°	2027 jun 11 22h 1.1m A27_06159 1369 Ostanina TYC 0292–00397–1 Diam = 45.5 m = 16.3 m = 10.5  Dur = 7.4s Dmag = 5.8 Sun: 104° Moon: 14°	2027 jun 14 20h14.6m A27_06165 2456 Palamedes TYC 6717–00068–1 Diam = 103.0 m = 17.3 m = 9.2  Dur = 14.8s Dmag = 8.1 Sun: 124° Moon: 11°
2027 jun 15 21h32.7m A27_06096 578 Happelia TYC 7345–00668–1 Diam = 71.6 m = 12.0 m = 11.3  Dur = 9.2s Dmag = 1.2 Sun: 165° Moon: 24°	2027 jun 17 1h18.4m A27_06037 95 Arethusa UCAC4 395–106608 Diam = 145.0 m = 12.2 m = 12.7  Dur = 11.9s Dmag = 1.0 Sun: 155° Moon: 46°	2027 jun 17 22h 2.0m A27_06086 432 Pythia UCAC4 355–082552 Diam = 48.6 m = 10.9 m = 12.3  Dur = 5.7s Dmag = 0.3 Sun: 168° Moon: 8°	2027 jun 19 23h 5.1m A27_06156 1309 Hyperborea UCAC4 400–081917 Diam = 59.8 m = 15.6 m = 12.0  Dur = 4.1s Dmag = 3.6 Sun: 164° Moon: 16°
2027 jun 22 0h15.2m A27_06048 184 Dejopeja UCAC4 327–156856 Diam = 68.2 m = 12.7 m = 12.5  Dur = 5.5s Dmag = 0.9 Sun: 172° Moon: 26°	2027 jun 23 1h 5.1m B27_06011 469362 2001KB77 UCAC4 415–099861 Diam = 119.7 m = 22.3 m = 14.7  Dur = 5.3s Dmag = 7.6 Sun: 160° Moon: 35°	2027 jun 24 1h37.6m A27_06139 986 Amelia HIP 97613 Diam = 53.0 m = 13.6 m = 7.2  Dur = 5.1s Dmag = 6.4 Sun: 156° Moon: 33°	2027 jun 25 20h13.7m A27_06066 256 Walpurga TYC 5054–00324–1 Diam = 66.1 m = 14.1 m = 11.5  Dur = 7.2s Dmag = 2.7 Sun: 150° Moon: 96°

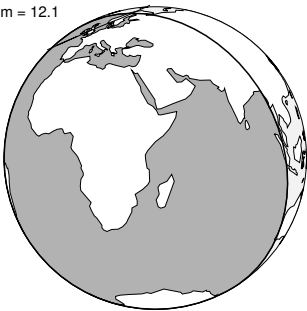
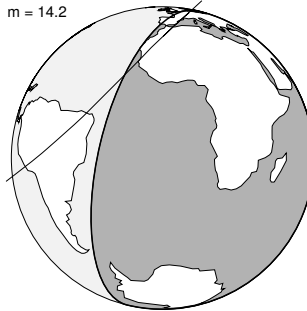
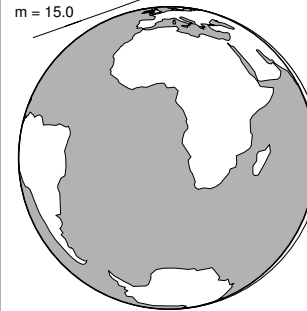
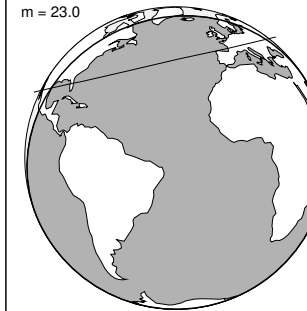
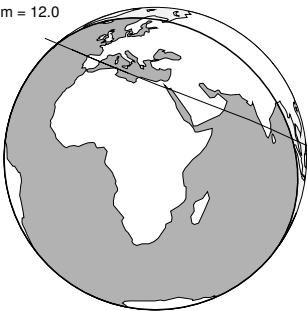
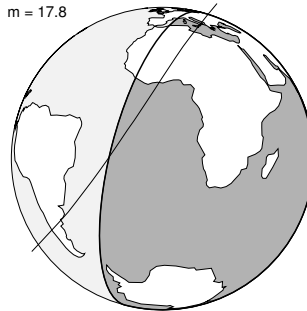
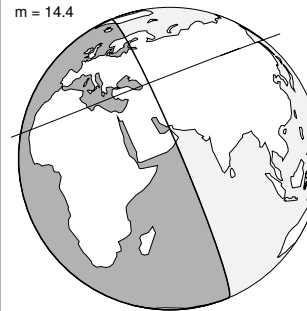
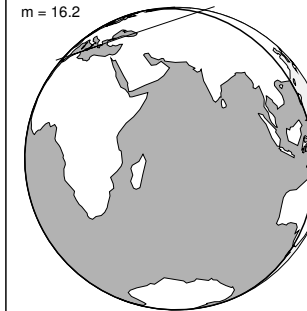
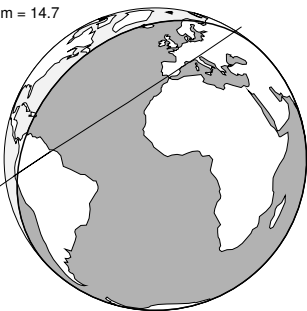
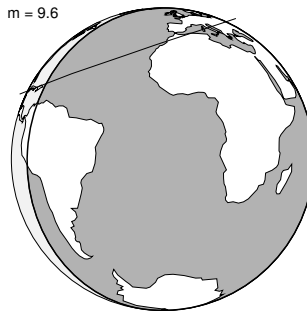
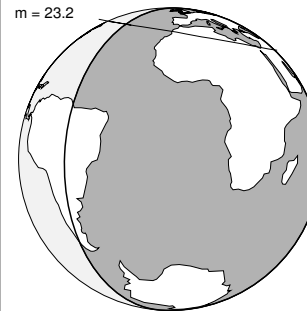
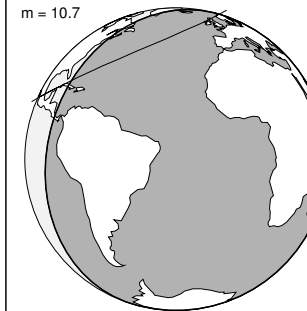
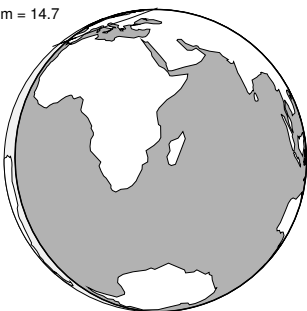
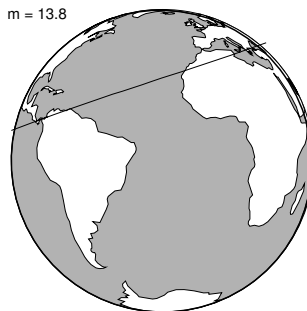
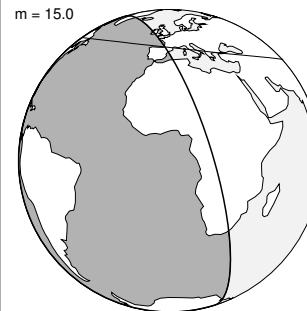
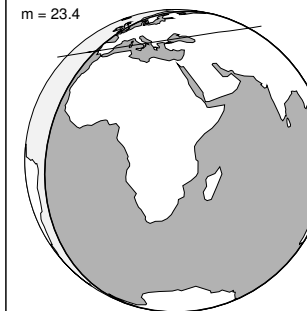
Occultations by major and minor planets – 2027

Region 3

2027 jun 26 0h47.6m A27_06029 67 Asia TYC 5700–00968–1 Diam = 60.0 m = 11.0 m = 10.3  Dur = 9.1s Dmag = 0.5 Sun: 166° Moon: 69°	2027 jun 26 20h23.0m A27_06020 42 Isis UCAC4 504–053448 Diam = 107.0 m = 12.3 m = 12.9  Dur = 5.0s Dmag = 1.1 Sun: 76° Moon: 165°	2027 jun 26 20h23.6m A27_06153 1254 Erfordia TYC 6836–01093–1 Diam = 49.2 m = 11.4 m = 15.2  Dur = 3.9s Dmag = 3.8 Sun: 171° Moon: 94°	2027 jun 27 0h35.7m A27_06024 65 Cybele UCAC5 361–082547 Diam = 230.0 m = 12.5 m = 11.0  Dur = 23.0s Dmag = 0.3 Sun: 163° Moon: 103°
2027 jun 27 0h44.7m A27_06152 1254 Erfordia UCAC4 317–118665 Diam = 49.2 m = 12.2 m = 15.2  Dur = 3.9s Dmag = 3.1 Sun: 171° Moon: 96°	2027 jun 29 3h 5.9m B27_06020 523713 2014JX80 UCAC4 478–077264 Diam = 245.5 m = 14.8 m = 21.9  Dur = 10.4s Dmag = 7.1 Sun: 150° Moon: 110°	2027 jun 29 3h20.6m A27_06062 240 Vanadis UCAC4 340–173283 Diam = 108.0 m = 11.4 m = 13.0  Dur = 8.2s Dmag = 1.9 Sun: 174° Moon: 108°	2027 jun 29 23h12.1m A27_06138 971 Alsatia UCAC4 310–221943 Diam = 66.7 m = 12.1 m = 14.3  Dur = 4.6s Dmag = 2.3 Sun: 175° Moon: 125°
2027 jun 29 23h33.0m A27_06172 3148 Grechko UCAC4 328–119211 Diam = 51.5 m = 12.4 m = 16.7  Dur = 3.7s Dmag = 4.3 Sun: 169° Moon: 134°	2027 jun 30 20h40.8m A27_06133 895 Helio TYC 5701–00768–1 Diam = 147.0 m = 11.6 m = 13.5  Dur = 8.5s Dmag = 2.0 Sun: 168° Moon: 129°	2027 jul 2 23h 5.3m B27_07011 470309 2007JK43 UCAC4 543–088460 Diam = 145.2 m = 14.8 m = 21.8  Dur = 6.1s Dmag = 7.0 Sun: 138° Moon: 129°	2027 jul 3 1h11.9m A27_07039 140 Siwa TYC 6324–00044–1 Diam = 114.0 m = 11.1 m = 10.8  Dur = 18.5s Dmag = 0.6 Sun: 165° Moon: 150°
2027 jul 5 2h24.7m A27_07119 675 Ludmilla UCAC4 345–119102 Diam = 109.1 m = 12.5 m = 12.5  Dur = 8.0s Dmag = 0.8 Sun: 164° Moon: 151°	2027 jul 5 23h30.2m A27_07169 1438 Wendeline UCAC4 363–191297 Diam = 41.7 m = 11.9 m = 15.4  Dur = 4.5s Dmag = 3.5 Sun: 162° Moon: 170°	2027 jul 6 20h51.3m B27_07001 50000 Quaoar UCAC4 377–139845 Diam = 1110.0 m = 14.3 m = 18.7  Dur = 44.9s Dmag = 4.4 Sun: 171° Moon: 139°	2027 jul 9 2h 6.0m A27_07093 466 Tisiphone UCAC4 412–130471 Diam = 121.0 m = 12.1 m = 13.7  Dur = 9.6s Dmag = 1.8 Sun: 148° Moon: 142°

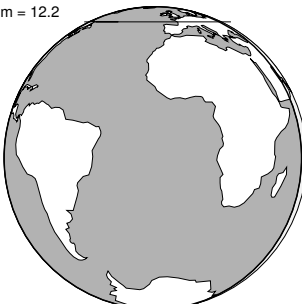
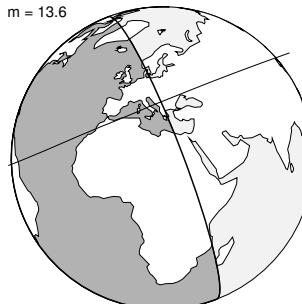
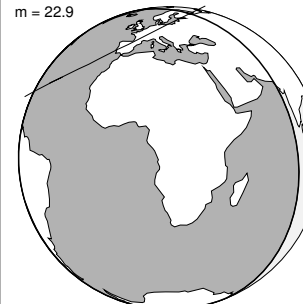
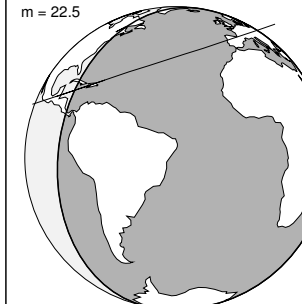
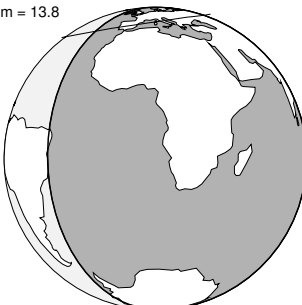
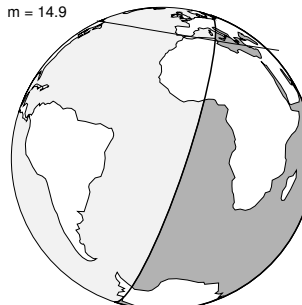
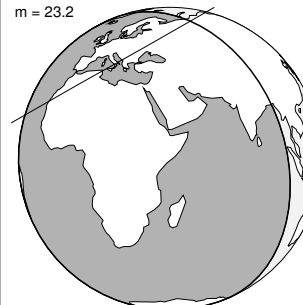
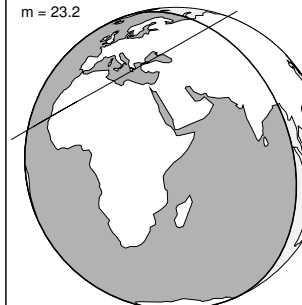
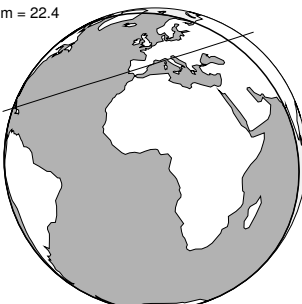
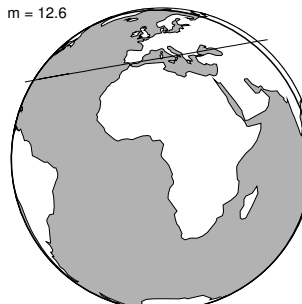
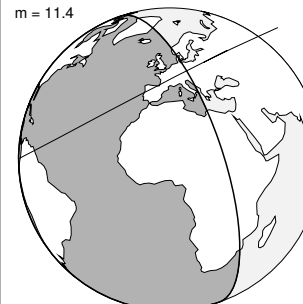
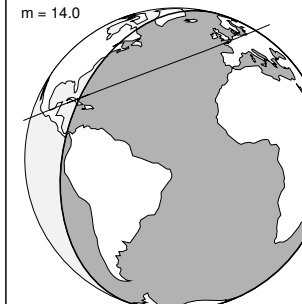
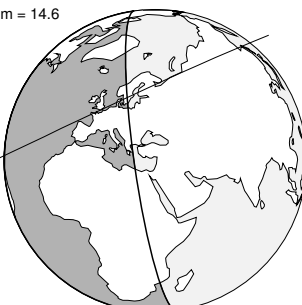
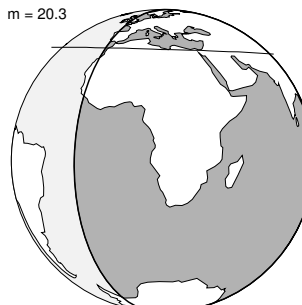
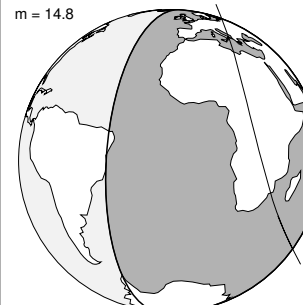
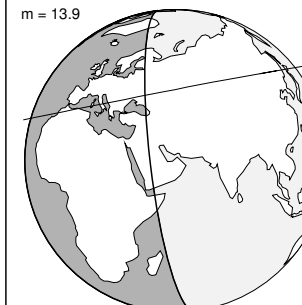
Occultations by major and minor planets – 2027

Region 3

2027 jul 9 23h20.0m A27_07033 97 Klotho UCAC4 419–143603 Diam = 87.1 m = 11.9 m = 12.1  Dur = 11.2s Dmag = 0.9 Sun: 145° Moon: 134°	2027 jul 13 19h49.8m A27_07100 500 Selinur TYC 6750–01039–1 Diam = 45.1 m = 8.8 m = 14.2  Dur = 7.5s Dmag = 5.4 Sun: 115° Moon: 12°	2027 jul 15 0h41.9m B27_07007 134340 Pluto UCAC4 333–218344 Diam = 2376.6 m = 14.9 m = 15.0  Dur = 100.3s Dmag = 0.8 Sun: 165° Moon: 54°	2027 jul 15 1h24.3m B27_07017 800768 2014JQ92 UCAC4 442–082472 Diam = 88.3 m = 14.6 m = 23.0  Dur = 3.8s Dmag = 8.3 Sun: 157° Moon: 40°
2027 jul 16 23h36.1m A27_07075 284 Amalia UCAC5 452–111749 Diam = 55.1 m = 12.5 m = 12.0  Dur = 13.0s Dmag = 0.5 Sun: 150° Moon: 47°	2027 jul 18 19h 7.9m A27_07173 6545 Leitus HIP 71974 Diam = 41.7 m = 5.7 m = 17.8  Dur = 6.8s Dmag = 12.1 Sun: 110° Moon: 71°	2027 jul 19 1h39.9m A27_07052 205 Martha TYC 0618–01251–1 Diam = 83.5 m = 10.4 m = 14.4  Dur = 5.8s Dmag = 4.0 Sun: 94° Moon: 81°	2027 jul 19 21h39.1m A27_07114 637 Chrysothemis UCAC4 378–171821 Diam = 43.5 m = 11.8 m = 16.2  Dur = 3.7s Dmag = 4.4 Sun: 154° Moon: 12°
2027 jul 21 23h13.4m A27_07115 667 Denise UCAC4 468–077973 Diam = 83.5 m = 11.1 m = 14.7  Dur = 5.3s Dmag = 3.6 Sun: 145° Moon: 61°	2027 jul 23 23h 0.2m A27_07008 11 Parthenope TYC 6277–01849–1 Diam = 162.0 m = 9.4 m = 9.6  Dur = 24.8s Dmag = 0.9 Sun: 153° Moon: 84°	2027 jul 24 21h30.3m B27_07023 2005JA186 UCAC4 321–093655 Diam = 198.6 m = 14.0 m = 23.2  Dur = 12.6s Dmag = 9.2 Sun: 134° Moon: 115°	2027 jul 27 23h53.4m A27_07026 67 Asia UCAC5 391–083555 Diam = 60.0 m = 12.5 m = 10.7  Dur = 15.4s Dmag = 0.2 Sun: 148° Moon: 133°
2027 jul 28 19h59.2m A27_07108 590 Tomyris UCAC5 331–170953 Diam = 40.5 m = 12.4 m = 14.7  Dur = 3.4s Dmag = 2.4 Sun: 157° Moon: 139°	2027 aug 1 2h21.2m A27_08078 495 Eulalia UCAC5 389–126350 Diam = 41.7 m = 12.4 m = 13.8  Dur = 4.5s Dmag = 1.6 Sun: 169° Moon: 151°	2027 aug 1 4h57.9m A27_08123 1048 Feodosia UCAC4 424–002000 Diam = 72.5 m = 11.3 m = 15.0  Dur = 11.9s Dmag = 3.8 Sun: 106° Moon: 90°	2027 aug 1 19h52.1m A27_08133 2001KO77 Gaia 080–0152838 Diam = 129.4 m = 12.4 m = 23.4  Dur = 6.3s Dmag = 11.0 Sun: 148° Moon: 156°

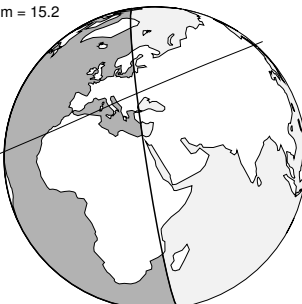
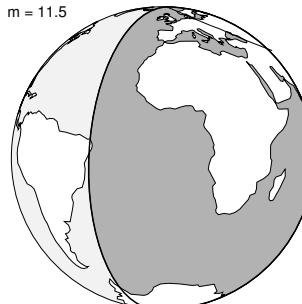
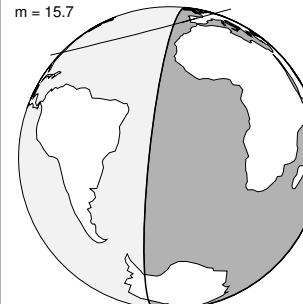
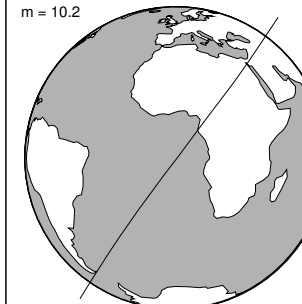
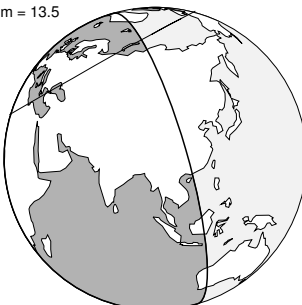
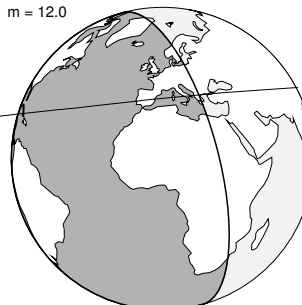
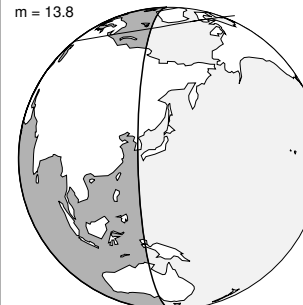
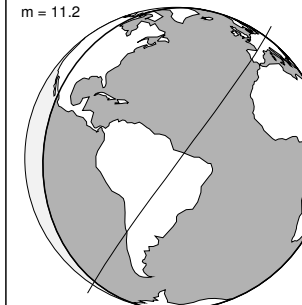
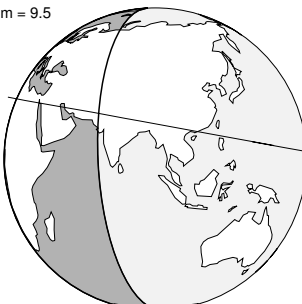
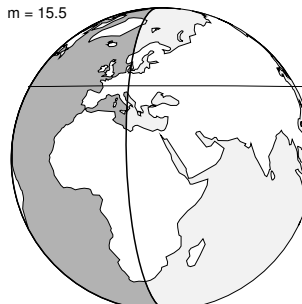
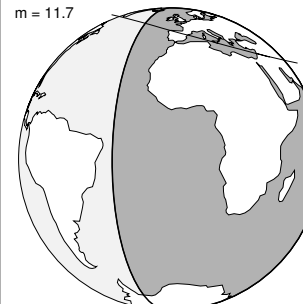
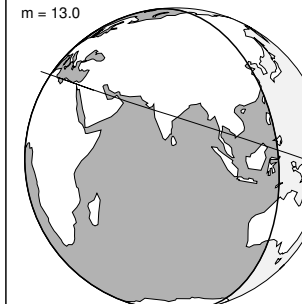
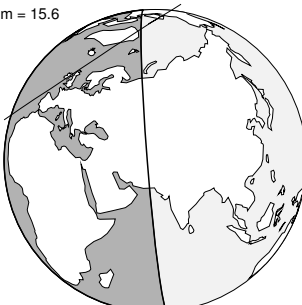
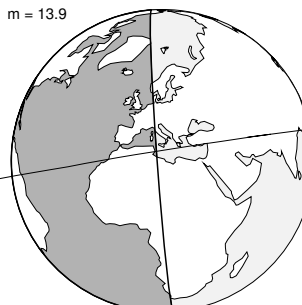
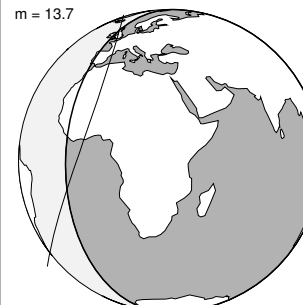
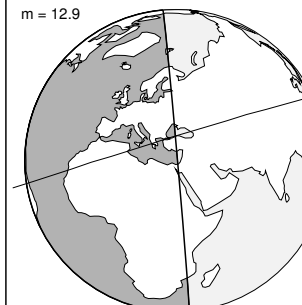
Occultations by major and minor planets – 2027

Region 3

2027 aug 2 2h 1.9m A27_08063 372 Palma TYC 6367–01115–1 Diam = 195.0 m = 10.7 m = 12.2  Dur = 12.4s Dmag = 1.8 Sun: 165° Moon: 161°	2027 aug 8 3h39.7m A27_08074 478 Tergeste UCAC4 561–004240 Diam = 82.0 m = 12.1 m = 13.6  Dur = 6.9s Dmag = 1.7 Sun: 97° Moon: 174°	2027 aug 9 1h 5.5m B27_08007 385447 2003QF113 UCAC4 411–137241 Diam = 206.1 m = 13.7 m = 22.9  Dur = 10.2s Dmag = 9.2 Sun: 146° Moon: 124°	2027 aug 10 23h46.3m B27_08030 2014JT80 UCAC5 388–098351 Diam = 138.0 m = 14.6 m = 22.5  Dur = 7.7s Dmag = 7.8 Sun: 141° Moon: 35°
2027 aug 11 20h23.2m A27_08043 240 Vanadis UCAC4 335–143940 Diam = 108.0 m = 12.3 m = 13.8  Dur = 18.9s Dmag = 1.7 Sun: 135° Moon: 16°	2027 aug 13 18h 9.3m A27_08085 583 Klotilde UCAC4 362–067019 Diam = 86.0 m = 12.1 m = 14.9  Dur = 3.9s Dmag = 2.8 Sun: 81° Moon: 60°	2027 aug 19 23h40.4m B27_08029 2013RJ109 TYC 0003–00420–1 Diam = 163.7 m = 12.5 m = 23.2  Dur = 9.0s Dmag = 10.7 Sun: 139° Moon: 12°	2027 aug 19 23h40.9m A27_08134 2013RJ109 TYC 0003–00420–1 Diam = 163.7 m = 12.3 m = 23.2  Dur = 9.0s Dmag = 11.0 Sun: 139° Moon: 12°
2027 aug 20 1h 2.5m B27_08016 624884 2004MW8 UCAC4 463–134119 Diam = 79.8 m = 13.2 m = 22.4  Dur = 3.9s Dmag = 9.1 Sun: 156° Moon: 8°	2027 aug 21 0h11.1m A27_08023 123 Brunhild UCAC5 437–109267 Diam = 49.8 m = 12.4 m = 12.6  Dur = 4.6s Dmag = 0.9 Sun: 165° Moon: 27°	2027 aug 21 4h 8.3m A27_08007 37 Fides UCAC4 522–003769 Diam = 112.0 m = 12.0 m = 11.4  Dur = 12.1s Dmag = 0.5 Sun: 110° Moon: 27°	2027 aug 21 23h31.4m A27_08083 568 Cheruskia UCAC4 444–101279 Diam = 89.7 m = 11.9 m = 14.0  Dur = 10.8s Dmag = 2.2 Sun: 137° Moon: 88°
2027 aug 24 3h49.9m A27_08097 665 Sabine TYC 2379–00677–1 Diam = 56.1 m = 10.1 m = 14.6  Dur = 3.2s Dmag = 4.5 Sun: 81° Moon: 21°	2027 aug 24 19h12.7m B27_08010 459865 2013XZ8 UCAC5 366–121553 Diam = 52.7 m = 14.9 m = 20.3  Dur = 6.1s Dmag = 5.4 Sun: 125° Moon: 139°	2027 aug 25 20h25.9m A27_08117 888 Parysatis UCAC4 362–112455 Diam = 44.8 m = 10.8 m = 14.8  Dur = 7.4s Dmag = 4.1 Sun: 114° Moon: 161°	2027 aug 27 2h45.1m A27_08009 66 Maja TYC 1831–00343–1 Diam = 78.3 m = 11.6 m = 13.9  Dur = 3.2s Dmag = 2.5 Sun: 80° Moon: 16°

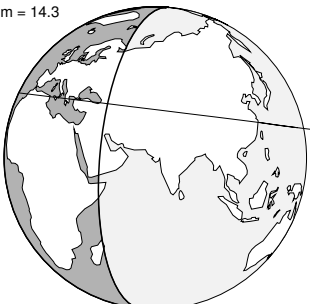
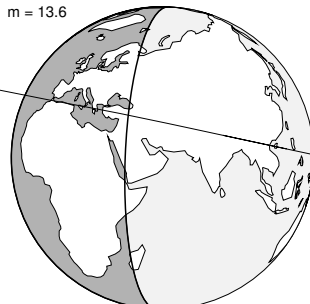
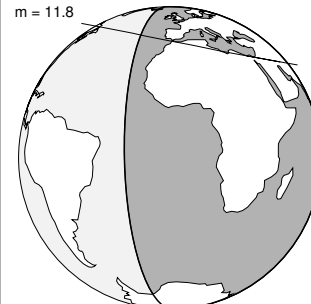
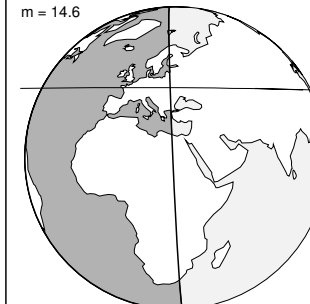
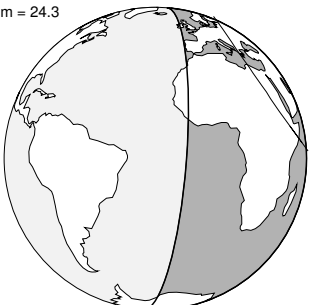
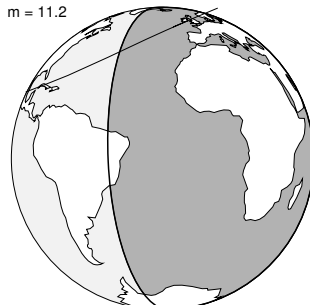
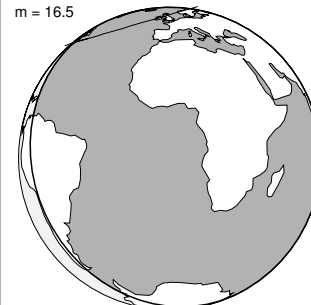
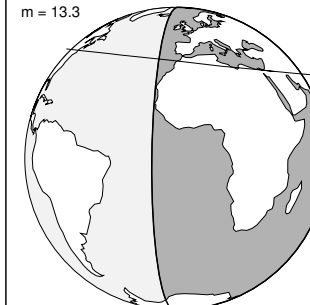
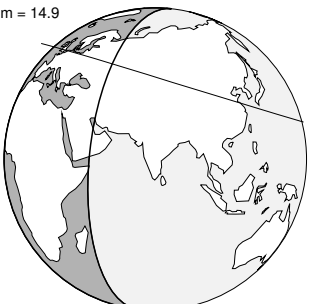
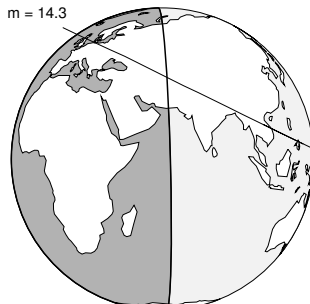
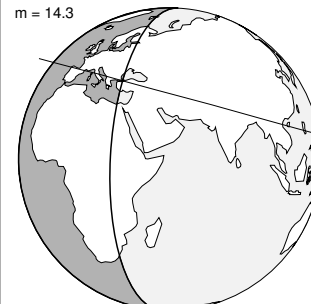
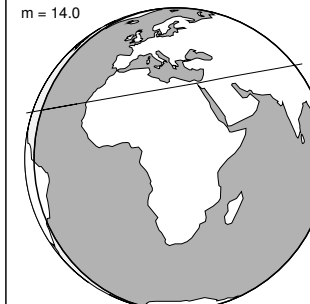
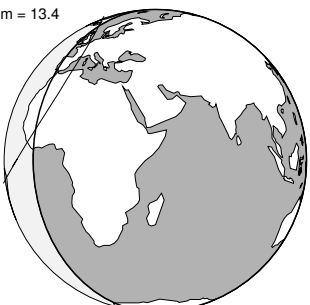
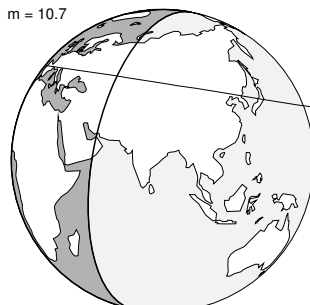
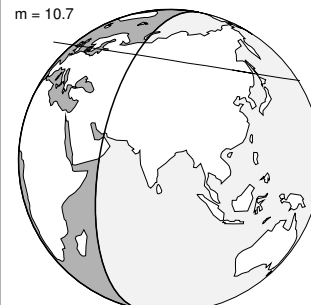
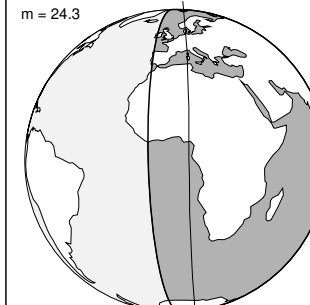
Occultations by major and minor planets – 2027

Region 3

2027 aug 29 3h33.3m A27_08113 845 Naema TYC 1816–01298–1 Diam = 57.5 m = 10.0 m = 15.2  Dur = 3.2s Dmag = 5.2 Sun: 86° Moon: 50°	2027 aug 29 20h19.7m A27_08010 67 Asia UCAC4 380–106672 Diam = 60.0 m = 11.9 m = 11.5  Dur = 8.8s Dmag = 0.6 Sun: 119° Moon: 145°	2027 aug 30 19h33.4m A27_08125 1112 Polonia UCAC4 313–096377 Diam = 40.3 m = 12.4 m = 15.7  Dur = 3.3s Dmag = 3.4 Sun: 97° Moon: 111°	2027 aug 31 0h24.2m A27_08027 173 Ino TYC 5823–00900–1 Diam = 159.0 m = 12.5 m = 10.2  Dur = 15.8s Dmag = 0.1 Sun: 172° Moon: 164°
2027 sep 1 22h21.5m A27_09087 407 Arachne UCAC4 591–008688 Diam = 97.0 m = 12.4 m = 13.5  Dur = 8.5s Dmag = 1.4 Sun: 102° Moon: 119°	2027 sep 3 4h 4.6m A27_09022 60 Echo Gaia 107–0010967 Diam = 61.0 m = 12.1 m = 12.0  Dur = 6.9s Dmag = 0.7 Sun: 111° Moon: 144°	2027 sep 3 21h 7.1m A27_09056 165 Loreley UCAC4 613–022174 Diam = 160.0 m = 10.9 m = 13.8  Dur = 7.7s Dmag = 3.0 Sun: 77° Moon: 121°	2027 sep 4 1h20.6m A27_09019 41 Daphne TYC 5183–01951–1 Diam = 182.0 m = 9.7 m = 11.2  Dur = 16.8s Dmag = 1.7 Sun: 151° Moon: 110°
2027 sep 5 1h 8.0m A27_09002 3 Juno HIP 29978 Diam = 257.6 m = 7.8 m = 9.5  Dur = 8.1s Dmag = 1.9 Sun: 67° Moon: 123°	2027 sep 6 4h34.4m A27_09104 522 Helga TYC 1307–00135–1 Diam = 113.0 m = 8.4 m = 15.5  Dur = 5.2s Dmag = 7.0 Sun: 76° Moon: 147°	2027 sep 7 19h57.8m A27_09025 67 Asia UCAC4 377–114358 Diam = 60.0 m = 12.1 m = 11.7  Dur = 6.2s Dmag = 0.6 Sun: 112° Moon: 25°	2027 sep 8 21h40.1m A27_09082 326 Tamara TYC 0038–00687–1 Diam = 100.0 m = 11.3 m = 13.0  Dur = 14.6s Dmag = 2.0 Sun: 132° Moon: 122°
2027 sep 9 1h29.2m A27_09158 1735 ITA TYC 2401–00328–1 Diam = 66.0 m = 11.2 m = 15.6  Dur = 3.8s Dmag = 4.4 Sun: 86° Moon: 165°	2027 sep 11 4h57.1m A27_09095 476 Hedwig TYC 2389–01141–1 Diam = 121.0 m = 10.1 m = 13.9  Dur = 7.4s Dmag = 3.8 Sun: 87° Moon: 144°	2027 sep 12 18h41.6m A27_09101 491 Carina TYC 5169–00510–1 Diam = 101.0 m = 11.4 m = 13.7  Dur = 9.8s Dmag = 2.4 Sun: 133° Moon: 18°	2027 sep 13 3h32.0m A27_09033 78 Diana UCAC4 613–019205 Diam = 116.0 m = 11.9 m = 12.9  Dur = 6.0s Dmag = 1.4 Sun: 90° Moon: 120°

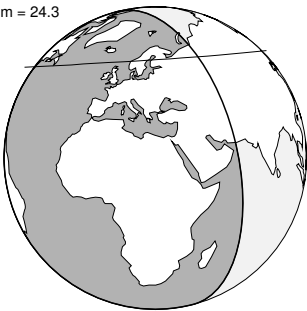
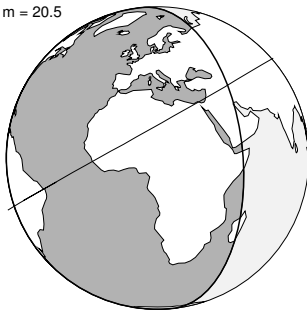
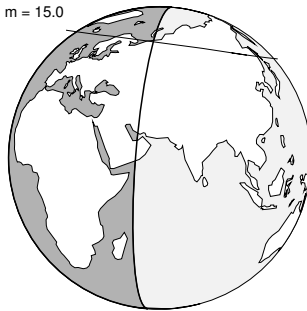
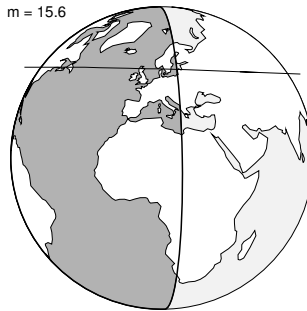
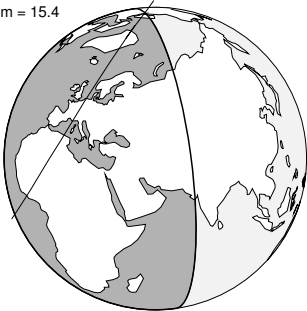
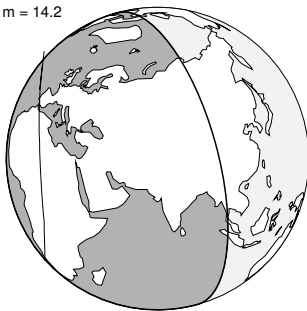
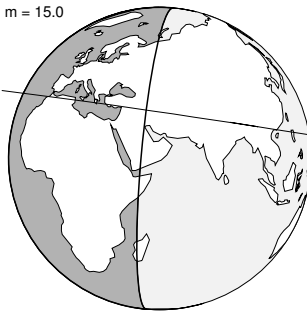
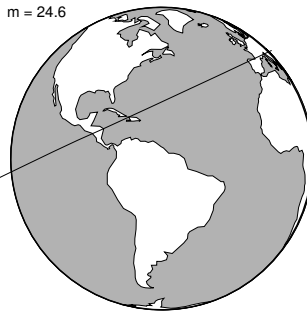
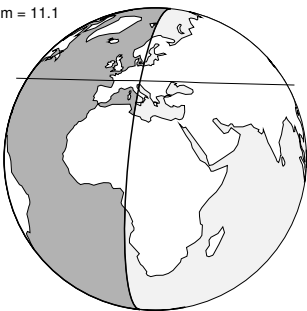
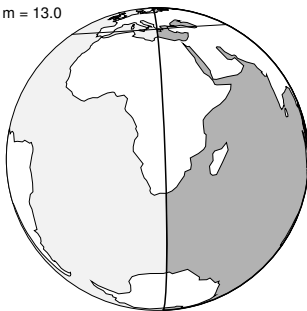
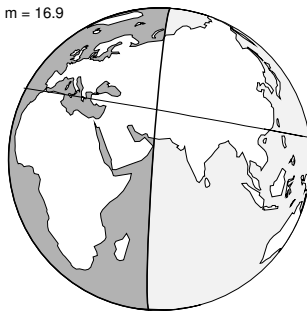
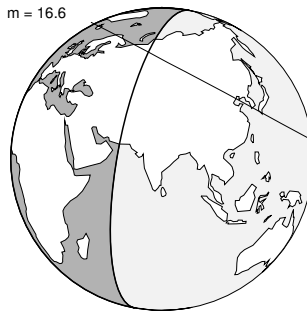
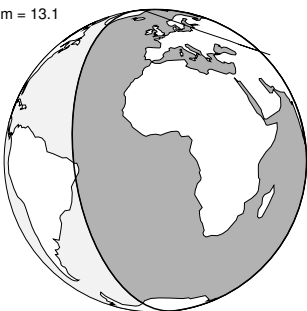
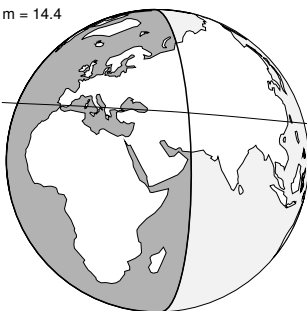
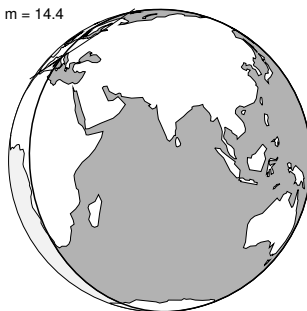
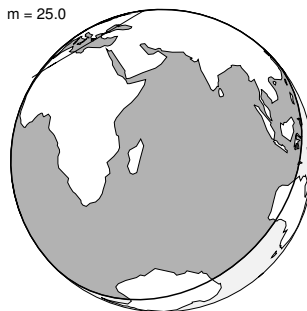
Occultations by major and minor planets – 2027

Region 3

2027 sep 14 2h40.3m A27_09052 147 Protogeneia TYC 1343–01833–1 Diam = 137.0 m = 10.5 m = 14.3  Dur = 5.2s Dmag = 3.9 Sun: 68° Moon: 132°	2027 sep 14 3h 3.3m A27_09129 690 Wratislavia PPMX 5027879 Diam = 140.0 m = 11.9 m = 13.6  Dur = 6.1s Dmag = 2.0 Sun: 75° Moon: 125°	2027 sep 14 19h32.6m A27_09029 67 Asia UCAC4 375–134897 Diam = 60.0 m = 11.3 m = 11.8  Dur = 5.0s Dmag = 1.0 Sun: 107° Moon: 60°	2027 sep 16 4h 1.6m A27_09114 570 Kythera TYC 1848–00032–1 Diam = 106.0 m = 11.4 m = 14.6  Dur = 6.4s Dmag = 3.2 Sun: 88° Moon: 89°
2027 sep 16 18h41.5m B27_09022 2016LZ89 UCAC4 409–066055 Diam = 91.2 m = 13.6 m = 24.3  Dur = 6.3s Dmag = 10.7 Sun: 78° Moon: 110°	2027 sep 16 20h47.4m A27_09131 704 Interamnia UCAC4 382–132931 Diam = 333.0 m = 12.1 m = 11.2  Dur = 61.9s Dmag = 0.4 Sun: 111° Moon: 78°	2027 sep 16 22h28.5m A27_09160 1841 Masaryk UCAC4 374–177763 Diam = 53.3 m = 12.5 m = 16.5  Dur = 4.4s Dmag = 4.0 Sun: 154° Moon: 37°	2027 sep 18 19h 5.9m A27_09135 790 Pretoria UCAC4 417–075926 Diam = 176.0 m = 11.5 m = 13.3  Dur = 14.2s Dmag = 2.0 Sun: 99° Moon: 110°
2027 sep 19 2h28.9m A27_09054 153 Hilda TYC 1360–01513–1 Diam = 175.0 m = 9.9 m = 14.9  Dur = 6.8s Dmag = 5.0 Sun: 64° Moon: 80°	2027 sep 20 1h39.6m A27_09080 304 Olga TYC 0122–00080–1 Diam = 68.5 m = 11.8 m = 14.3  Dur = 4.4s Dmag = 2.6 Sun: 92° Moon: 45°	2027 sep 20 3h52.8m A27_09100 489 Comacina PPMX 7088727 Diam = 144.0 m = 12.0 m = 14.3  Dur = 5.2s Dmag = 2.4 Sun: 66° Moon: 66°	2027 sep 23 21h 0.1m A27_09150 1113 Katja TYC 5234–00319–1 Diam = 44.7 m = 8.0 m = 14.0  Dur = 3.7s Dmag = 6.0 Sun: 159° Moon: 114°
2027 sep 24 18h20.1m A27_09089 429 Lotis UCAC4 450–133589 Diam = 70.3 m = 11.3 m = 13.4  Dur = 10.3s Dmag = 2.2 Sun: 143° Moon: 139°	2027 sep 25 2h 9.9m A27_09007 8 Flora TYC 1380–01382–1 Diam = 141.0 m = 11.6 m = 10.7  Dur = 4.4s Dmag = 0.4 Sun: 62° Moon: 7°	2027 sep 25 2h10.4m A27_09008 8 Flora UCAC4 544–044518 Diam = 141.0 m = 10.7 m = 10.7  Dur = 4.4s Dmag = 0.8 Sun: 62° Moon: 7°	2027 sep 25 18h22.1m B27_09013 2007LG38 UCAC4 437–080214 Diam = 91.2 m = 13.8 m = 24.3  Dur = 7.4s Dmag = 10.5 Sun: 100° Moon: 152°

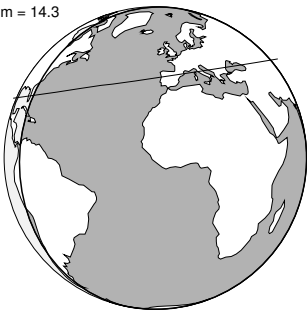
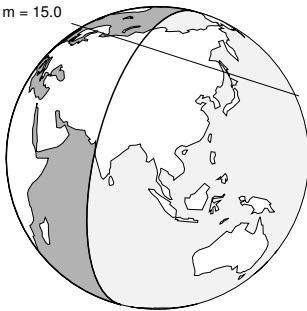
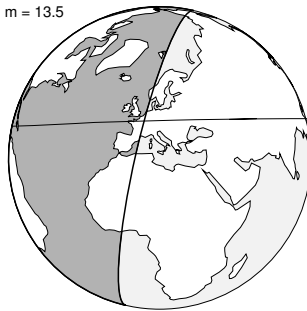
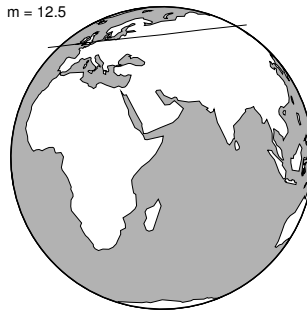
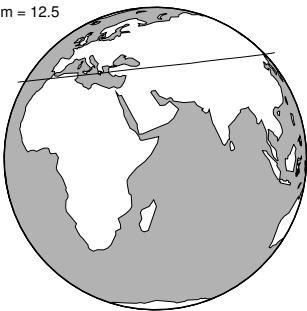
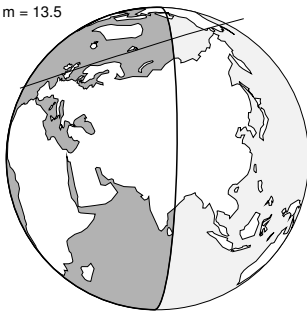
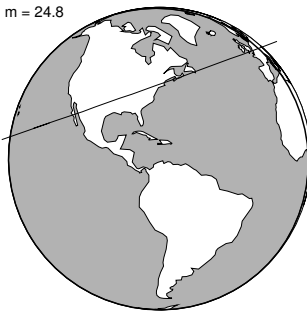
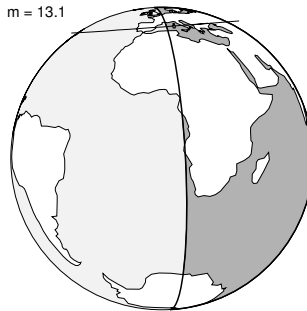
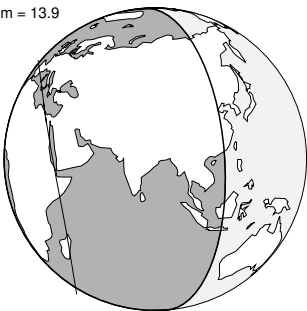
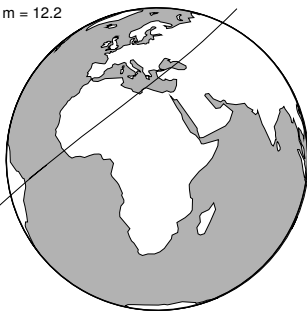
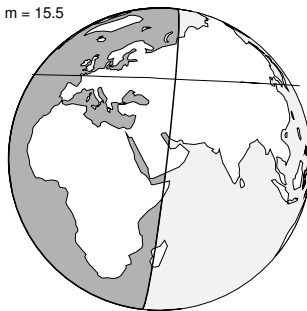
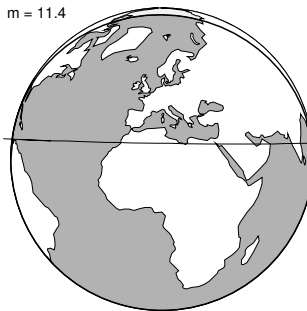
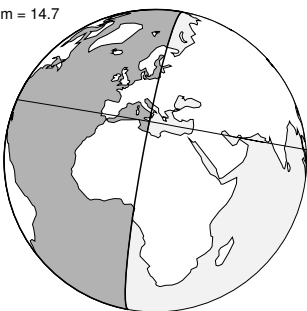
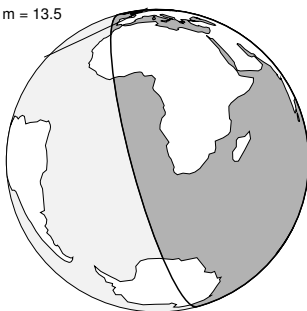
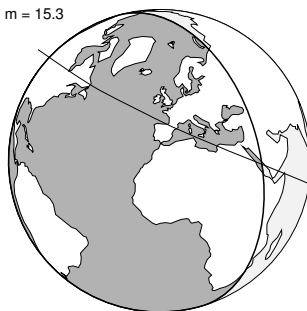
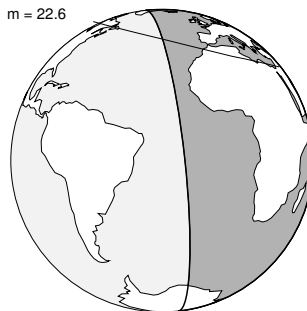
Occultations by major and minor planets – 2027

Region 3

2027 sep 26 1h48.3m B27_09014 2011UJ411 UCAC4 566–008066 Diam = 87.1 m = 13.2 m = 24.3  Dur = 7.6s Dmag = 11.0 Sun: 122° Moon: 68°	2027 sep 26 2h40.8m B27_09001 144897 2004UX10 UCAC4 501–005947 Diam = 557.2 m = 12.9 m = 20.5  Dur = 41.8s Dmag = 7.6 Sun: 124° Moon: 71°	2027 sep 27 2h19.1m A27_09091 442 Eichsfeldia TYC 1335–01095–1 Diam = 67.5 m = 12.2 m = 15.0  Dur = 3.1s Dmag = 2.9 Sun: 80° Moon: 40°	2027 sep 28 4h39.1m A27_09094 461 Saskia TYC 1311–01631–1 Diam = 45.7 m = 7.8 m = 15.6  Dur = 3.3s Dmag = 7.8 Sun: 97° Moon: 72°
2027 sep 29 1h 8.4m A27_09159 1735 ITA TYC 2896–01054–1 Diam = 66.0 m = 12.1 m = 15.4  Dur = 6.2s Dmag = 3.4 Sun: 103° Moon: 90°	2027 sep 29 23h15.6m A27_09124 665 Sabine UCAC4 637–017986 Diam = 56.1 m = 10.7 m = 14.2  Dur = 12.8s Dmag = 3.6 Sun: 113° Moon: 113°	2027 sep 30 2h45.7m A27_09092 442 Eichsfeldia TYC 1348–01418–1 Diam = 67.5 m = 11.9 m = 15.0  Dur = 3.3s Dmag = 3.2 Sun: 82° Moon: 83°	2027 sep 30 4h16.1m B27_09015 2013RV157 UCAC4 470–001206 Diam = 97.3 m = 14.8 m = 24.6  Dur = 3.9s Dmag = 9.7 Sun: 173° Moon: 172°
2027 sep 30 5h 7.6m A27_09109 532 Herculina TYC 1345–00518–1 Diam = 216.5 m = 11.3 m = 11.1  Dur = 9.9s Dmag = 0.6 Sun: 79° Moon: 81°	2027 sep 30 16h16.0m A27_09071 241 Germania UCAC4 346–134154 Diam = 169.0 m = 11.0 m = 13.0  Dur = 9.1s Dmag = 2.2 Sun: 87° Moon: 80°	2027 oct 1 1h55.7m A27_10182 7352 Hypsenor UCAC4 539–030933 Diam = 66.1 m = 12.2 m = 16.9  Dur = 5.0s Dmag = 4.8 Sun: 87° Moon: 100°	2027 oct 2 1h47.4m A27_10179 1867 Deiphobus PPMX 6120868 Diam = 131.0 m = 12.5 m = 16.6  Dur = 6.5s Dmag = 4.2 Sun: 72° Moon: 99°
2027 oct 2 20h18.1m A27_10076 284 Amalia UCAC4 426–126465 Diam = 55.1 m = 12.2 m = 13.1  Dur = 7.4s Dmag = 1.3 Sun: 122° Moon: 89°	2027 oct 3 1h52.1m A27_10122 570 Kythera TYC 1862–00035–1 Diam = 106.0 m = 10.6 m = 14.4  Dur = 11.4s Dmag = 3.8 Sun: 102° Moon: 141°	2027 oct 3 16h51.6m A27_10114 541 Deborah TYC 0567–00371–1 Diam = 59.1 m = 11.6 m = 14.4  Dur = 7.4s Dmag = 2.9 Sun: 149° Moon: 105°	2027 oct 3 21h28.7m A27_10184 2016TR120 UCAC4 346–002196 Diam = 173.8 m = 11.4 m = 25.0  Dur = 6.6s Dmag = 13.5 Sun: 146° Moon: 129°

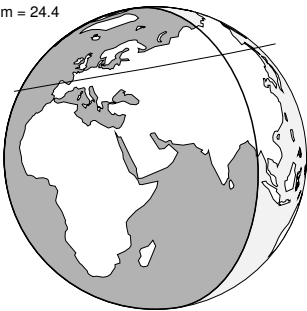
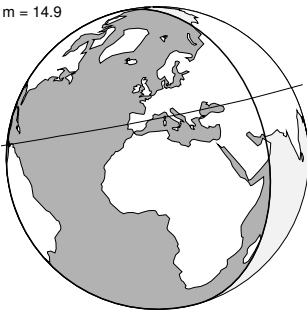
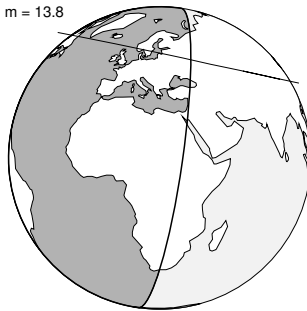
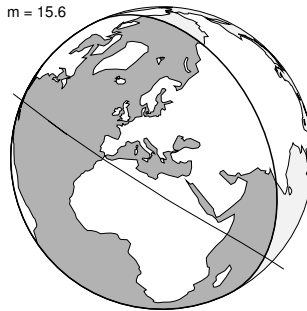
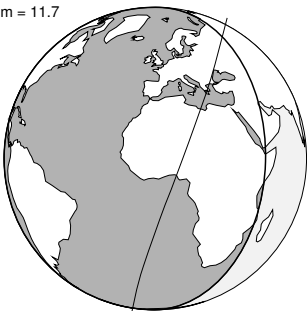
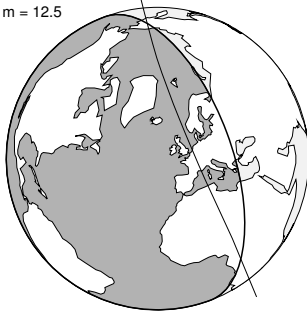
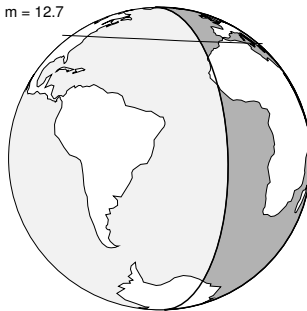
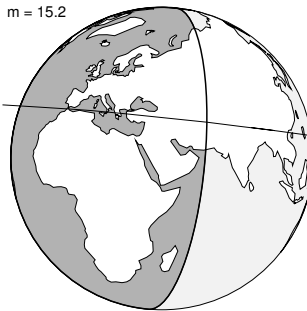
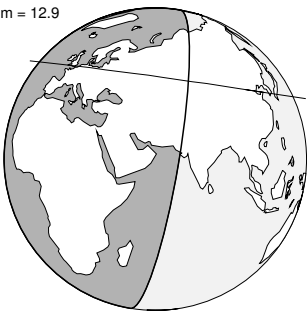
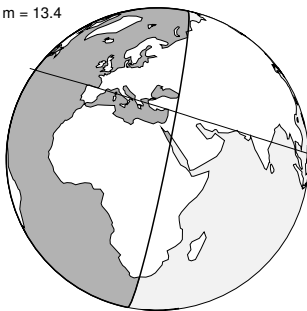
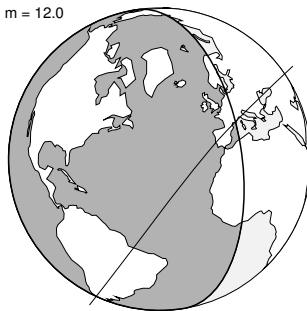
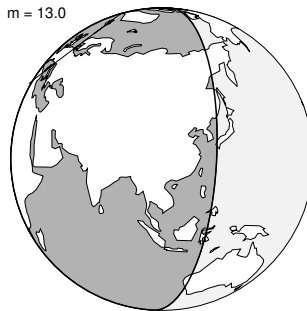
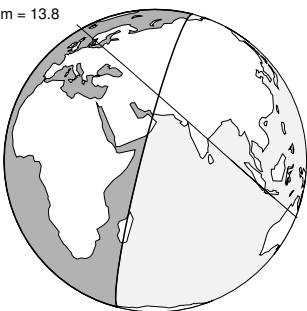
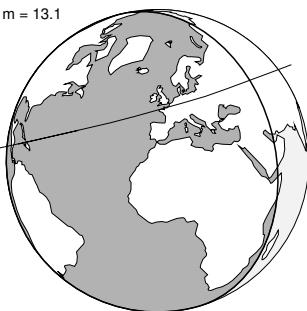
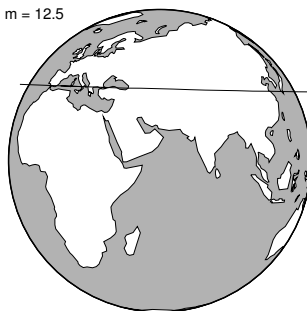
Occultations by major and minor planets – 2027

Region 3

2027 oct 3 22h51.2m A27_10172 1282 Utopia TYC 1153–01365–1 Diam = 55.7 m = 9.9 m = 14.3  Dur = 5.3s Dmag = 4.4 Sun: 153° Moon: 109°	2027 oct 6 1h 3.1m A27_10102 514 Armida TYC 1392–00878–1 Diam = 110.0 m = 10.9 m = 15.0  Dur = 3.9s Dmag = 4.0 Sun: 65° Moon: 139°	2027 oct 6 5h54.4m A27_10087 375 Ursula UCAC4 628–041270 Diam = 216.0 m = 12.3 m = 13.5  Dur = 11.3s Dmag = 1.5 Sun: 80° Moon: 155°	2027 oct 6 20h16.9m A27_10161 932 Hooveria TYC 0013–00060–1 Diam = 41.7 m = 10.8 m = 12.5  Dur = 4.1s Dmag = 1.9 Sun: 177° Moon: 94°
2027 oct 6 20h20.1m A27_10160 932 Hooveria TYC 0013–00060–2 Diam = 41.7 m = 10.1 m = 12.5  Dur = 4.1s Dmag = 2.5 Sun: 177° Moon: 94°	2027 oct 7 0h22.7m A27_10143 760 Massinga UCAC4 634–034244 Diam = 74.8 m = 12.4 m = 13.5  Dur = 5.5s Dmag = 1.5 Sun: 97° Moon: 169°	2027 oct 8 5h24.4m B27_10018 2015RU279 UCAC4 514–002501 Diam = 75.9 m = 13.0 m = 24.8  Dur = 3.1s Dmag = 11.8 Sun: 167° Moon: 95°	2027 oct 8 17h 6.2m A27_10066 241 Germania PPMX 11664378 Diam = 169.0 m = 12.2 m = 13.1  Dur = 7.8s Dmag = 1.3 Sun: 81° Moon: 22°
2027 oct 9 22h17.3m A27_10144 772 Tanete HIP 24163 Diam = 123.0 m = 8.1 m = 13.9  Dur = 16.5s Dmag = 5.8 Sun: 117° Moon: 126°	2027 oct 11 22h26.2m A27_10068 253 Mathilde TYC 0031–00689–1 Diam = 61.0 m = 10.2 m = 12.2  Dur = 7.8s Dmag = 2.2 Sun: 172° Moon: 48°	2027 oct 12 2h35.9m A27_10127 638 Moira TYC 1353–00191–1 Diam = 68.0 m = 10.0 m = 15.5  Dur = 5.1s Dmag = 5.5 Sun: 92° Moon: 127°	2027 oct 12 23h22.5m A27_10148 804 Hispania TYC 1748–00049–1 Diam = 140.6 m = 11.0 m = 11.4  Dur = 12.0s Dmag = 1.0 Sun: 162° Moon: 40°
2027 oct 13 5h 9.3m A27_10115 551 Ortrud UCAC5 559–040931 Diam = 81.2 m = 12.5 m = 14.7  Dur = 4.1s Dmag = 2.4 Sun: 84° Moon: 122°	2027 oct 13 18h 8.0m A27_10119 563 Suleika UCAC4 301–267917 Diam = 54.8 m = 12.4 m = 13.5  Dur = 5.3s Dmag = 1.4 Sun: 99° Moon: 60°	2027 oct 14 3h19.2m A27_10173 1285 Julietta TYC 1828–01428–1 Diam = 45.5 m = 11.5 m = 15.3  Dur = 12.6s Dmag = 3.9 Sun: 131° Moon: 65°	2027 oct 14 19h10.2m B27_10016 2014KD102 UCAC5 372–137736 Diam = 138.0 m = 15.0 m = 22.6  Dur = 12.1s Dmag = 7.6 Sun: 81° Moon: 89°

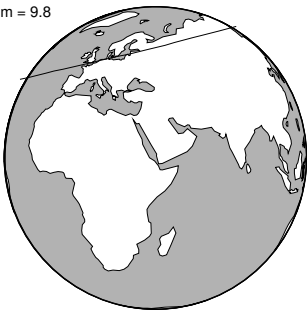
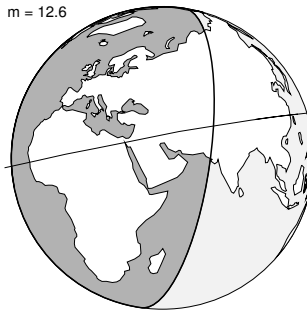
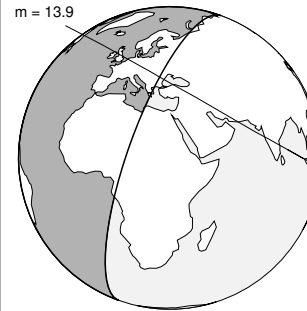
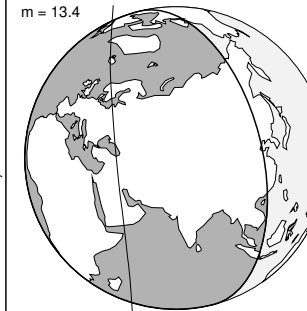
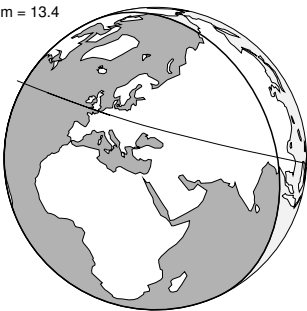
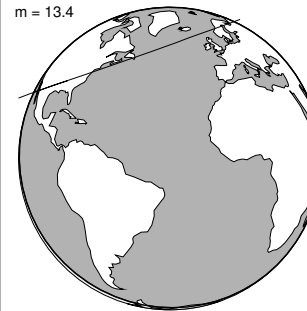
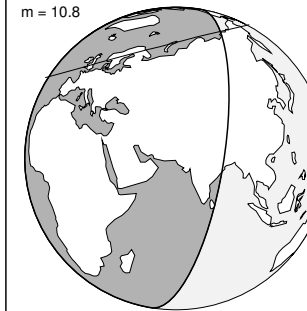
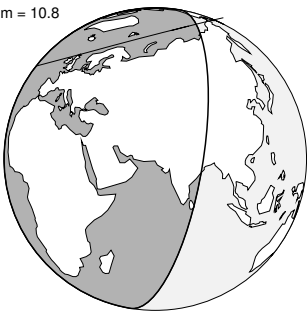
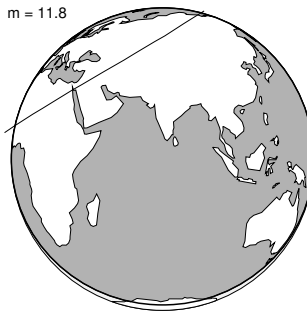
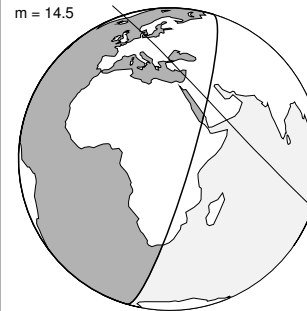
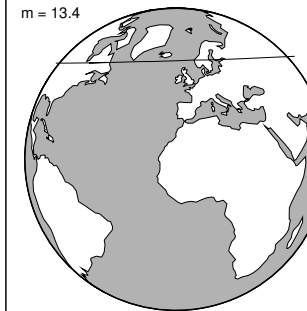
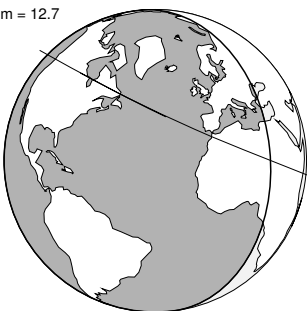
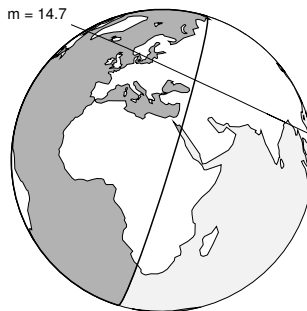
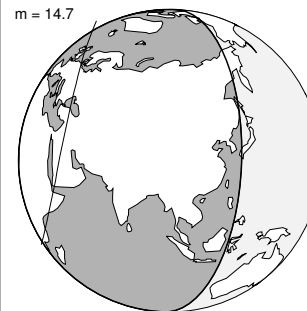
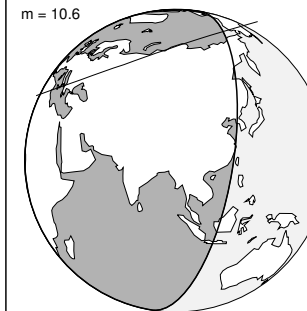
Occultations by major and minor planets – 2027

Region 3

2027 oct 14 23h36.3m B27_10019 2015VW167 UCAC4 553–009942 Diam = 83.2 m = 14.6 m = 24.4  Dur = 5.3s Dmag = 9.8 Sun: 132° Moon: 55°	2027 oct 18 2h13.3m A27_10116 552 Sigelinde UCAC4 584–012069 Diam = 81.0 m = 12.2 m = 14.9  Dur = 11.3s Dmag = 2.7 Sun: 136° Moon: 13°	2027 oct 19 3h47.6m A27_10097 479 Caprera PPMX 7069449 Diam = 77.5 m = 12.0 m = 13.8  Dur = 5.8s Dmag = 2.0 Sun: 98° Moon: 39°	2027 oct 20 1h 2.2m A27_10123 591 Irmgard UCAC4 643–018449 Diam = 54.7 m = 11.7 m = 15.6  Dur = 6.9s Dmag = 3.9 Sun: 133° Moon: 17°
2027 oct 20 2h54.3m A27_10069 258 Tyche HIP 21205 Diam = 67.7 m = 8.4 m = 11.7  Dur = 8.9s Dmag = 3.4 Sun: 136° Moon: 19°	2027 oct 21 4h41.3m A27_10015 71 Niobe UCAC4 703–037596 Diam = 87.3 m = 12.3 m = 12.5  Dur = 11.4s Dmag = 0.9 Sun: 119° Moon: 28°	2027 oct 21 18h32.8m A27_10013 65 Cybele UCAC4 345–127629 Diam = 230.0 m = 11.1 m = 12.7  Dur = 7.3s Dmag = 1.8 Sun: 63° Moon: 165°	2027 oct 22 1h54.2m A27_10152 846 Lipperta TYC 1894–03000–1 Diam = 54.2 m = 11.1 m = 15.2  Dur = 6.7s Dmag = 4.2 Sun: 106° Moon: 8°
2027 oct 25 1h26.9m A27_10053 182 Elsa UCAC4 553–040194 Diam = 45.3 m = 12.2 m = 12.9  Dur = 3.2s Dmag = 1.1 Sun: 98° Moon: 40°	2027 oct 25 3h40.5m A27_10041 124 Alkeste UCAC4 538–045084 Diam = 79.5 m = 11.9 m = 13.4  Dur = 5.7s Dmag = 1.7 Sun: 93° Moon: 35°	2027 oct 25 6h 7.4m A27_10018 78 Diana UCAC4 630–028243 Diam = 116.0 m = 11.4 m = 12.0  Dur = 22.9s Dmag = 1.1 Sun: 122° Moon: 68°	2027 oct 27 21h36.2m A27_10072 264 Libussa TYC 1906–00600–1 Diam = 53.0 m = 11.7 m = 13.0  Dur = 6.5s Dmag = 1.6 Sun: 111° Moon: 90°
2027 oct 29 2h17.1m A27_10132 683 Lanzia UCAC4 489–048591 Diam = 116.0 m = 12.4 m = 13.8  Dur = 5.6s Dmag = 1.7 Sun: 84° Moon: 78°	2027 oct 29 2h39.7m A27_10113 539 Pamina UCAC4 595–013882 Diam = 55.3 m = 11.3 m = 13.1  Dur = 12.6s Dmag = 2.0 Sun: 141° Moon: 136°	2027 oct 29 19h44.3m A27_10155 912 Maritima HIP 9828 Diam = 86.6 m = 6.9 m = 12.5  Dur = 5.9s Dmag = 5.6 Sun: 178° Moon: 173°	2027 oct 30 6h10.2m A27_10124 606 Brangäne UCAC4 634–021264 Diam = 40.0 m = 12.4 m = 13.5  Dur = 12.0s Dmag = 1.4 Sun: 135° Moon: 146°

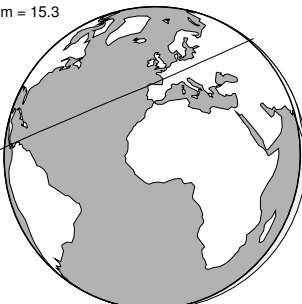
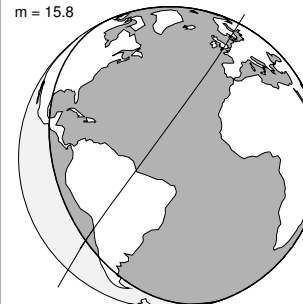
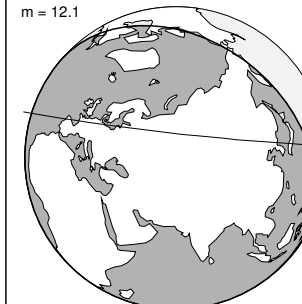
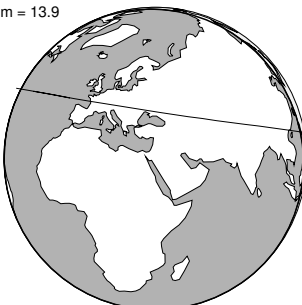
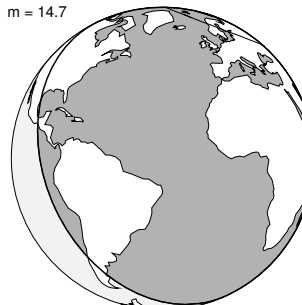
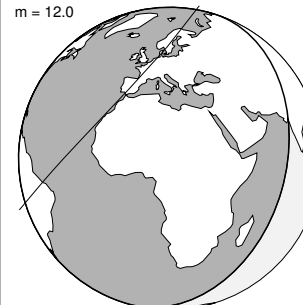
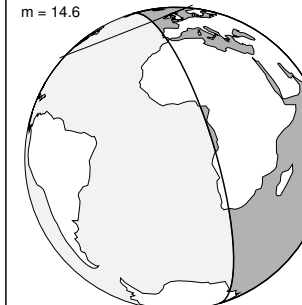
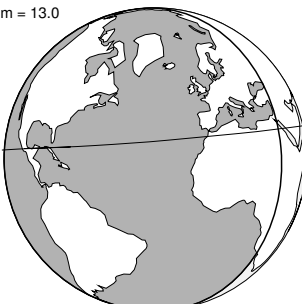
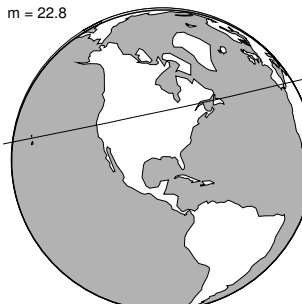
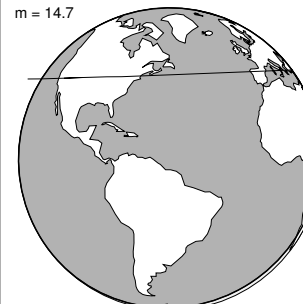
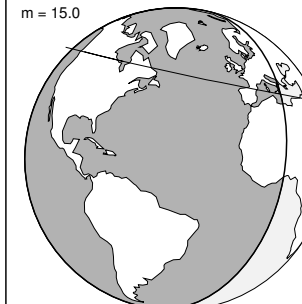
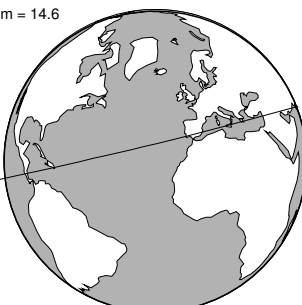
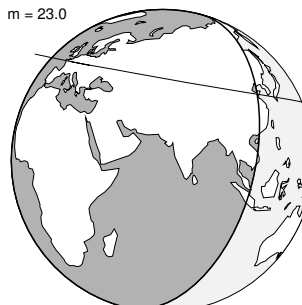
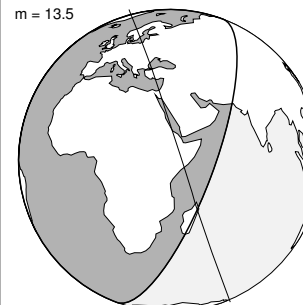
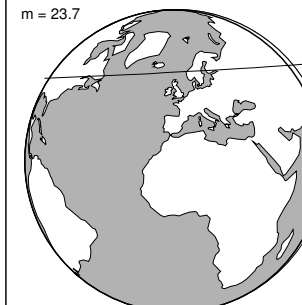
Occultations by major and minor planets – 2027

Region 3

2027 oct 31 20h30.9m A27_10010 37 Fides UCAC5 524–003235 Diam = 112.0 m = 12.5 m = 9.8  Dur = 12.8s Dmag = 0.1 Sun: 174° Moon: 146°	2027 nov 2 1h31.8m A27_11028 106 Dione TYC 1914–00883–1 Diam = 146.9 m = 11.5 m = 12.6  Dur = 20.8s Dmag = 1.4 Sun: 108° Moon: 151°	2027 nov 2 4h59.8m A27_11108 762 Pulcova TYC 0834–00336–1 Diam = 142.0 m = 12.2 m = 13.9  Dur = 5.6s Dmag = 1.8 Sun: 73° Moon: 118°	2027 nov 2 22h37.2m A27_11061 328 Gudrun UCAC4 675–044656 Diam = 120.0 m = 12.4 m = 13.4  Dur = 16.5s Dmag = 1.3 Sun: 124° Moon: 161°
2027 nov 4 23h37.0m A27_11095 606 Brangäne UCAC5 636–020049 Diam = 40.0 m = 12.5 m = 13.4  Dur = 8.7s Dmag = 1.3 Sun: 141° Moon: 139°	2027 nov 6 0h 5.9m A27_11079 494 Virtus UCAC4 587–042057 Diam = 89.1 m = 12.3 m = 14.6  Dur = 9.6s Dmag = 2.4 Sun: 103° Moon: 168°	2027 nov 6 1h31.2m A27_11054 269 Justitia UCAC4 481–003218 Diam = 54.7 m = 12.3 m = 13.4  Dur = 4.3s Dmag = 1.4 Sun: 168° Moon: 84°	2027 nov 7 0h25.1m A27_11013 23 Thalia UCAC4 581–040596 Diam = 111.0 m = 11.3 m = 10.8  Dur = 9.0s Dmag = 0.5 Sun: 108° Moon: 153°
2027 nov 7 0h25.3m A27_11014 23 Thalia Gaia 117–0068419 Diam = 111.0 m = 11.4 m = 10.8  Dur = 9.0s Dmag = 0.5 Sun: 108° Moon: 153°	2027 nov 7 18h40.2m A27_11058 313 Chaldaea TYC 0047–00730–1 Diam = 101.0 m = 11.3 m = 11.8  Dur = 9.3s Dmag = 1.0 Sun: 164° Moon: 71°	2027 nov 8 3h17.4m A27_11076 483 Seppina UCAC4 454–042362 Diam = 73.5 m = 12.4 m = 14.5  Dur = 6.6s Dmag = 2.3 Sun: 98° Moon: 148°	2027 nov 10 0h18.1m A27_11129 1087 Arabis TYC 1230–00635–1 Diam = 40.8 m = 11.8 m = 13.4  Dur = 3.4s Dmag = 1.8 Sun: 175° Moon: 50°
2027 nov 10 4h47.9m A27_11019 66 Maja UCAC4 590–022177 Diam = 78.3 m = 12.7 m = 12.7  Dur = 24.5s Dmag = 0.9 Sun: 139° Moon: 88°	2027 nov 11 3h56.1m A27_11082 514 Armida PPMX 7179711 Diam = 110.0 m = 12.2 m = 14.7  Dur = 8.0s Dmag = 2.6 Sun: 93° Moon: 123°	2027 nov 11 21h47.2m A27_11027 99 Dike UCAC5 628–038709 Diam = 54.2 m = 12.5 m = 14.7  Dur = 7.2s Dmag = 2.3 Sun: 118° Moon: 87°	2027 nov 11 22h19.2m A27_11015 23 Thalia TYC 1934–01670–1 Diam = 111.0 m = 9.6 m = 10.6  Dur = 10.3s Dmag = 1.4 Sun: 112° Moon: 94°

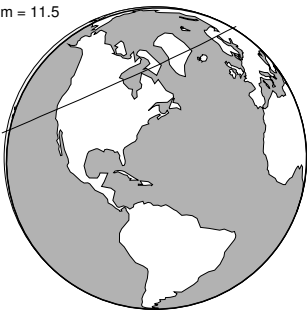
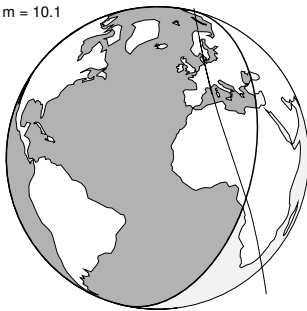
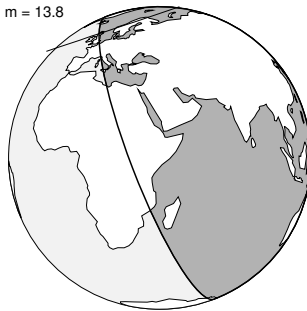
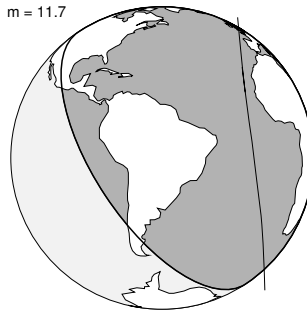
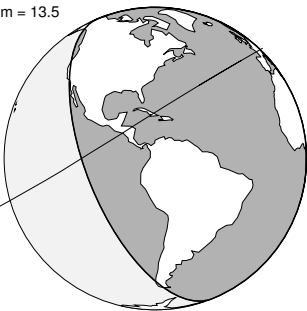
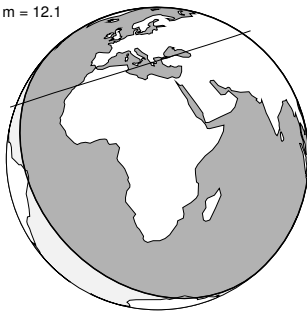
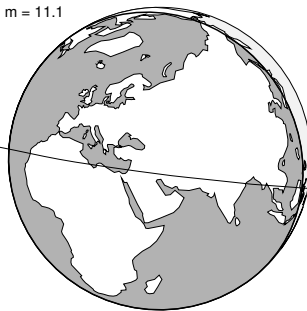
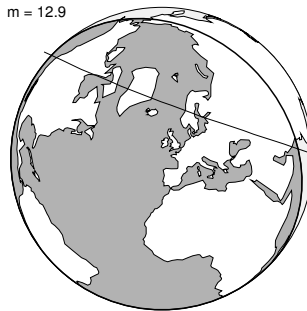
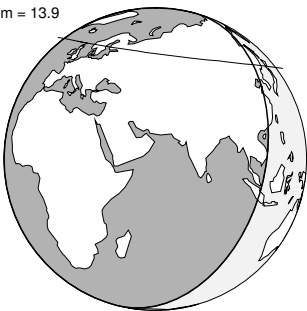
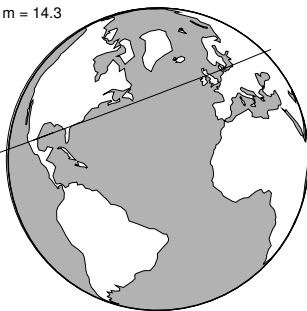
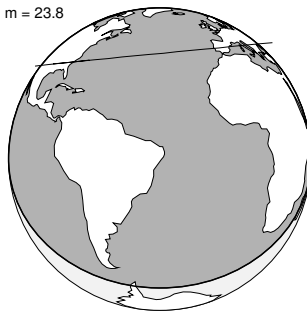
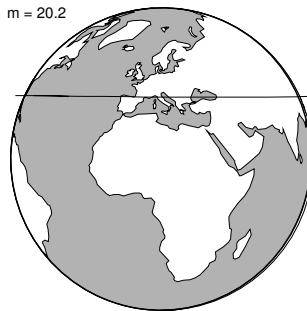
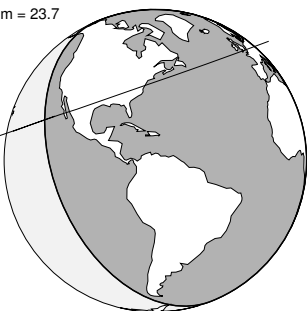
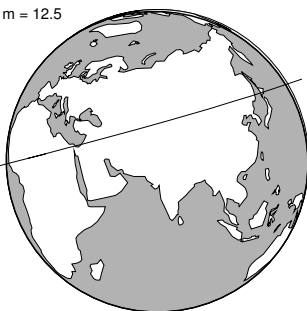
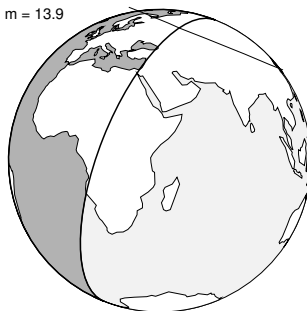
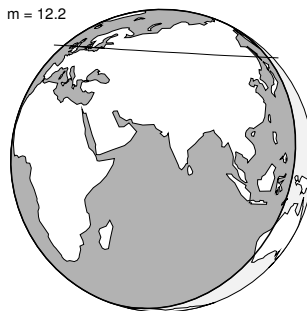
Occultations by major and minor planets – 2027

Region 3

2027 nov 13 1h14.1m A27_11136 2196 Ellicott UCAC4 522-007747 Diam = 62.2 m = 12.5 m = 15.3  Dur = 4.6s Dmag = 2.9 Sun: 163° Moon: 31°	2027 nov 15 22h37.4m A27_11104 701 Oriola PPMX 5999951 Diam = 46.0 m = 12.5 m = 14.1  Dur = 5.2s Dmag = 1.9 Sun: 145° Moon: 13°	2027 nov 16 23h35.6m A27_11123 921 Jovita HIP 3765 Diam = 60.5 m = 5.5 m = 15.8  Dur = 7.3s Dmag = 10.3 Sun: 139° Moon: 78°	2027 nov 17 20h52.2m A27_11020 71 Niobe TYC 3357-01177-1 Diam = 87.3 m = 11.6 m = 12.1  Dur = 6.9s Dmag = 1.0 Sun: 141° Moon: 35°
2027 nov 18 22h 6.1m A27_11115 845 Naema TYC 1828-01493-1 Diam = 57.5 m = 12.3 m = 13.9  Dur = 4.4s Dmag = 1.9 Sun: 165° Moon: 50°	2027 nov 18 23h37.6m A27_11072 448 Natalie TYC 0022-00650-1 Diam = 49.7 m = 12.1 m = 14.7  Dur = 7.3s Dmag = 2.7 Sun: 141° Moon: 102°	2027 nov 19 1h26.9m A27_11065 345 Tercidina UCAC4 510-022820 Diam = 100.0 m = 12.3 m = 12.0  Dur = 15.7s Dmag = 0.6 Sun: 140° Moon: 28°	2027 nov 20 17h13.2m A27_11048 227 Philosophia TYC 6345-01079-1 Diam = 90.1 m = 11.2 m = 14.6  Dur = 3.6s Dmag = 3.4 Sun: 74° Moon: 169°
2027 nov 21 4h15.1m A27_11063 338 Budrosa UCAC4 587-025452 Diam = 62.1 m = 12.1 m = 13.0  Dur = 7.6s Dmag = 1.3 Sun: 146° Moon: 59°	2027 nov 21 5h30.6m B27_11019 2014UF228 UCAC4 597-008734 Diam = 109.6 m = 14.0 m = 22.8  Dur = 4.5s Dmag = 8.8 Sun: 170° Moon: 93°	2027 nov 23 3h55.6m A27_11134 1558 Jarnefelt UCAC4 500-007258 Diam = 68.1 m = 12.1 m = 14.7  Dur = 5.1s Dmag = 2.8 Sun: 167° Moon: 112°	2027 nov 23 5h47.2m A27_11117 861 Aida PPMX 6071260 Diam = 70.1 m = 12.0 m = 15.0  Dur = 9.7s Dmag = 3.1 Sun: 136° Moon: 75°
2027 nov 24 1h19.6m A27_11133 1285 Julietta TYC 1812-01869-1 Diam = 45.5 m = 11.9 m = 14.6  Dur = 3.7s Dmag = 2.7 Sun: 171° Moon: 128°	2027 nov 24 22h53.6m B27_11009 728840 2010TH UCAC4 528-043675 Diam = 55.0 m = 13.6 m = 23.0  Dur = 4.0s Dmag = 9.4 Sun: 127° Moon: 88°	2027 nov 25 2h 4.1m A27_11100 683 Lanzia TYC 0217-00680-1 Diam = 116.0 m = 10.9 m = 13.5  Dur = 9.6s Dmag = 2.7 Sun: 106° Moon: 69°	2027 nov 27 1h 0.4m B27_11012 2004VX130 PPMX 4961071 Diam = 119.7 m = 14.9 m = 23.7  Dur = 4.8s Dmag = 8.8 Sun: 165° Moon: 152°

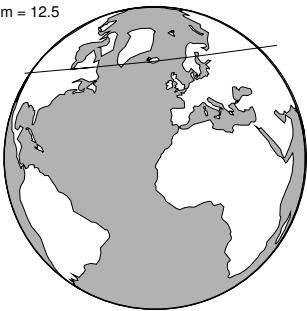
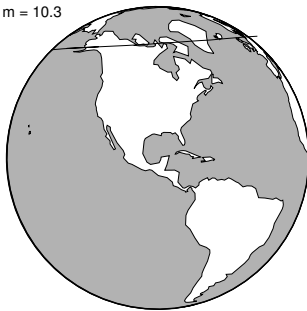
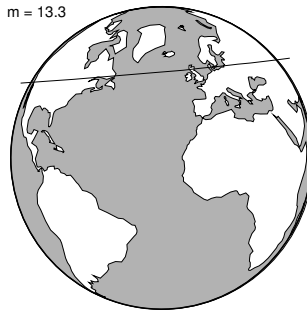
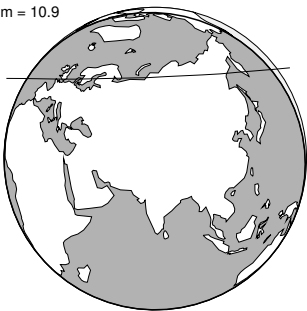
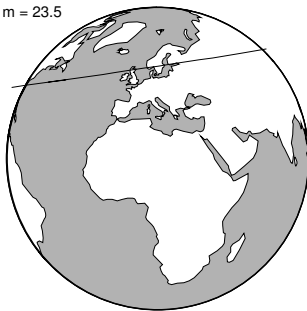
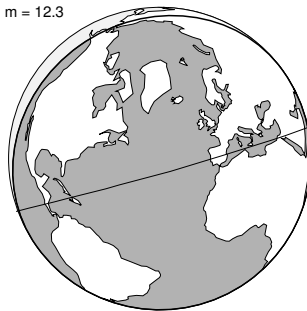
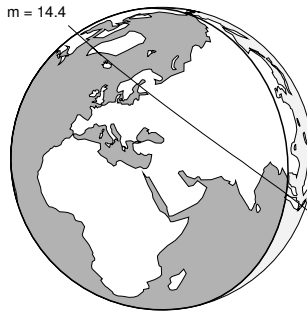
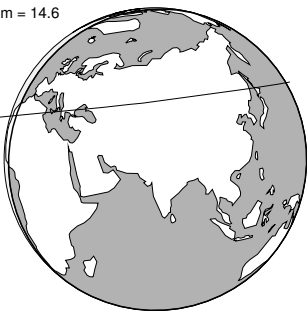
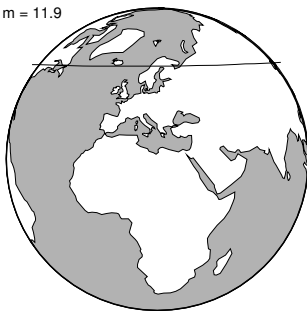
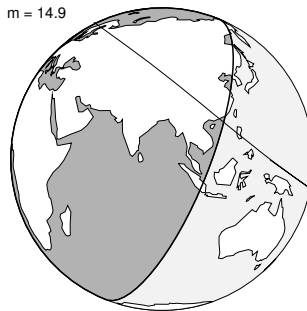
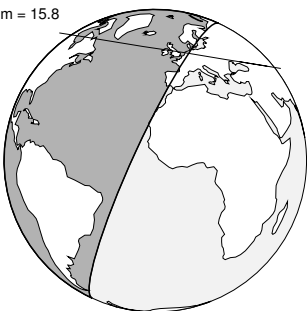
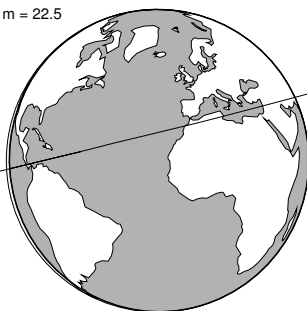
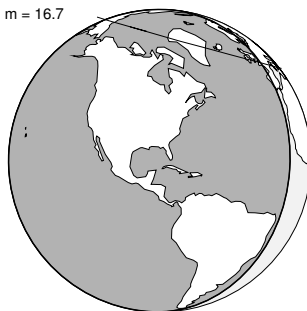
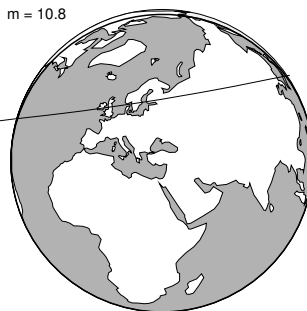
Occultations by major and minor planets – 2027

Region 3

2027 nov 27 3h32.0m A27_11017 38 Leda UCAC4 594–008575 Diam = 120.0 m = 11.9 m = 11.5  Dur = 11.9s Dmag = 0.6 Sun: 167° Moon: 174°	2027 nov 27 4h51.8m A27_11086 532 Herculina UCAC4 538–043888 Diam = 216.5 m = 12.3 m = 10.1  Dur = 51.5s Dmag = 0.1 Sun: 129° Moon: 118°	2027 nov 27 15h42.7m A27_11039 174 Phaedra TYC 0569–00860–1 Diam = 71.7 m = 10.6 m = 13.8  Dur = 6.5s Dmag = 3.3 Sun: 101° Moon: 108°	2027 nov 28 0h 1.4m A27_11073 451 Patientia UCAC4 376–000823 Diam = 230.0 m = 12.4 m = 11.7  Dur = 26.5s Dmag = 0.4 Sun: 116° Moon: 117°
2027 nov 28 0h41.5m A27_11080 497 Iva TYC 0004–00455–1 Diam = 45.3 m = 10.6 m = 13.5  Dur = 5.3s Dmag = 2.9 Sun: 117° Moon: 119°	2027 nov 28 20h24.2m A27_11059 313 Chaldaea UCAC4 444–003143 Diam = 101.0 m = 12.2 m = 12.1  Dur = 13.9s Dmag = 0.7 Sun: 145° Moon: 137°	2027 nov 28 21h50.8m A27_11022 78 Diana TYC 2910–01388–1 Diam = 116.0 m = 9.2 m = 11.1  Dur = 15.9s Dmag = 2.1 Sun: 155° Moon: 165°	2027 nov 30 2h 3.6m A27_11062 328 Gudrun UCAC4 688–042075 Diam = 120.0 m = 11.3 m = 12.9  Dur = 11.9s Dmag = 1.8 Sun: 147° Moon: 159°
2027 nov 30 22h52.1m A27_11071 442 Eichsfeldia PPMX 6096086 Diam = 67.5 m = 12.3 m = 13.9  Dur = 16.6s Dmag = 1.8 Sun: 136° Moon: 167°	2027 dec 1 1h45.9m A27_12118 552 Sigelinde UCAC4 573–008830 Diam = 81.0 m = 12.2 m = 14.3  Dur = 5.5s Dmag = 2.3 Sun: 170° Moon: 138°	2027 dec 1 2h14.4m B27_12016 2014SN403 Gaia 081–0013133 Diam = 217.8 m = 14.9 m = 23.8  Dur = 8.5s Dmag = 8.9 Sun: 148° Moon: 130°	2027 dec 2 23h41.0m B27_12003 145453 2005RR43 UCAC4 548–013678 Diam = 622.3 m = 14.6 m = 20.2  Dur = 24.2s Dmag = 5.6 Sun: 169° Moon: 134°
2027 dec 3 1h20.5m B27_12010 2003QP91 UCAC5 494–001919 Diam = 128.8 m = 15.0 m = 23.7  Dur = 8.1s Dmag = 8.7 Sun: 132° Moon: 77°	2027 dec 3 19h28.5m A27_12099 476 Hedwig UCAC4 608–017378 Diam = 121.0 m = 12.4 m = 12.5  Dur = 9.1s Dmag = 0.8 Sun: 168° Moon: 122°	2027 dec 4 4h32.3m A27_12096 444 Gypsis HIP 59513 Diam = 170.0 m = 10.5 m = 13.9  Dur = 6.5s Dmag = 3.5 Sun: 66° Moon: 134°	2027 dec 4 21h12.3m A27_12038 129 Antigone UCAC4 509–029072 Diam = 113.0 m = 11.8 m = 12.2  Dur = 9.3s Dmag = 0.9 Sun: 148° Moon: 133°

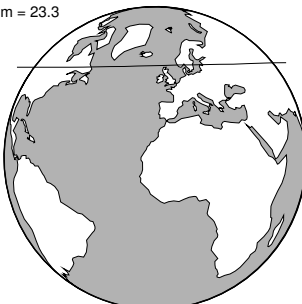
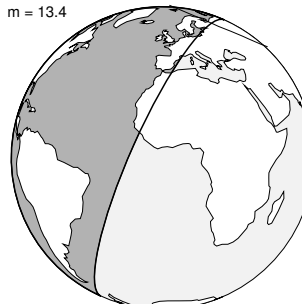
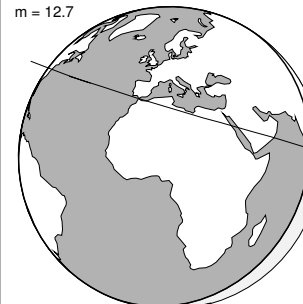
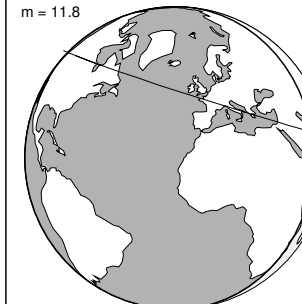
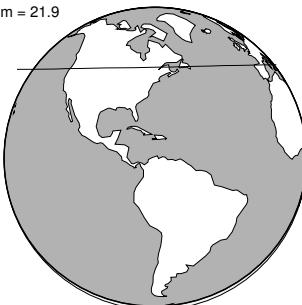
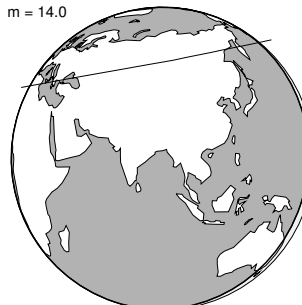
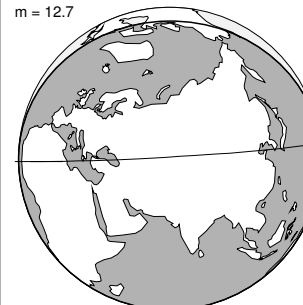
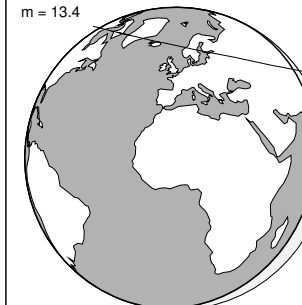
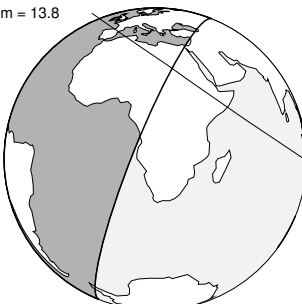
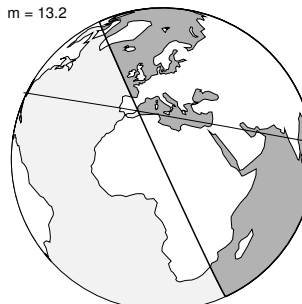
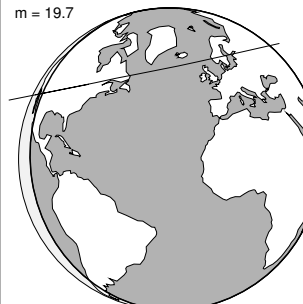
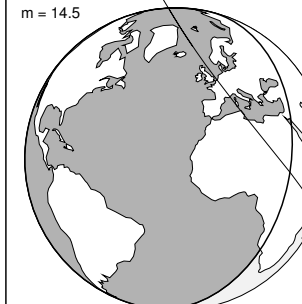
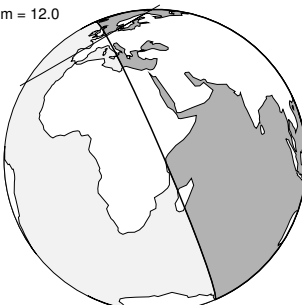
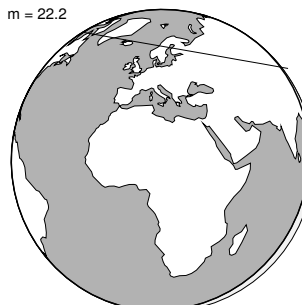
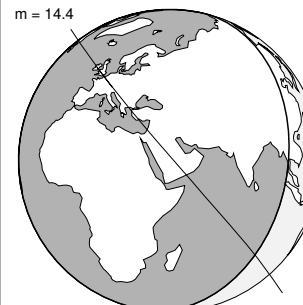
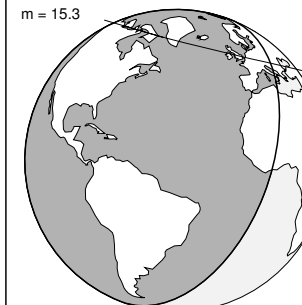
Occultations by major and minor planets – 2027

Region 3

2027 dec 5 1h29.6m A27_12120 569 Misa UCAC4 574–014907 Diam = 75.6 m = 12.5  Dur = 9.2s Dmag = 0.9 Sun: 172° Moon: 110°	2027 dec 5 5h37.8m A27_12005 21 Lutetia TYC 1273–00441–1 Diam = 99.5 m = 10.3  Dur = 8.9s Dmag = 0.5 Sun: 175° Moon: 96°	2027 dec 7 1h27.4m A27_12119 569 Misa UCAC4 574–014597 Diam = 75.6 m = 12.4  Dur = 9.1s Dmag = 1.0 Sun: 174° Moon: 86°	2027 dec 7 2h 8.6m A27_12123 570 Kythera UCAC4 559–016156 Diam = 106.0 m = 11.9 m = 13.3  Dur = 8.3s Dmag = 1.7 Sun: 171° Moon: 89°
2027 dec 7 19h17.6m A27_12021 78 Diana TYC 2909–01782–1 Diam = 116.0 m = 10.9  Dur = 13.7s Dmag = 0.9 Sun: 162° Moon: 80°	2027 dec 7 22h33.4m B27_12011 2004VF131 UCAC4 560–010049 Diam = 182.0 m = 14.1 m = 23.5  Dur = 7.0s Dmag = 9.4 Sun: 174° Moon: 65°	2027 dec 8 1h13.4m A27_12035 117 Lomia UCAC4 665–021413 Diam = 154.0 m = 12.3  Dur = 12.5s Dmag = 0.8 Sun: 156° Moon: 61°	2027 dec 8 23h36.1m A27_12112 528 Rezia TYC 2460–01789–1 Diam = 86.2 m = 10.4 m = 14.4  Dur = 7.8s Dmag = 4.0 Sun: 145° Moon: 90°
2027 dec 9 17h55.6m A27_12167 1008 La Paz UCAC4 606–010930 Diam = 41.0 m = 14.6  Dur = 3.5s Dmag = 2.6 Sun: 164° Moon: 38°	2027 dec 9 22h55.0m A27_12015 66 Maja UCAC4 593–019205 Diam = 78.3 m = 11.9  Dur = 8.9s Dmag = 1.5 Sun: 172° Moon: 53°	2027 dec 10 1h 1.4m A27_12142 752 Sulamitis TYC 1308–01820–1 Diam = 65.7 m = 12.8  Dur = 6.4s Dmag = 2.0 Sun: 174° Moon: 52°	2027 dec 10 22h50.2m A27_12056 248 Lameia TYC 0250–00503–1 Diam = 52.0 m = 14.9  Dur = 6.5s Dmag = 5.7 Sun: 108° Moon: 107°
2027 dec 12 7h39.6m A27_12086 414 Liriope UCAC4 489–054507 Diam = 75.2 m = 15.8  Dur = 3.8s Dmag = 3.5 Sun: 81° Moon: 115°	2027 dec 13 0h28.0m B27_12006 780605 2012UD185 UCAC4 552–009732 Diam = 130.0 m = 22.5  Dur = 5.2s Dmag = 9.3 Sun: 167° Moon: 6°	2027 dec 14 7h50.3m A27_12177 1202 Marina TYC 1915–00671–1 Diam = 66.3 m = 16.7  Dur = 5.4s Dmag = 6.2 Sun: 149° Moon: 22°	2027 dec 14 21h33.1m A27_12023 78 Diana UCAC4 640–024727 Diam = 116.0 m = 11.7 m = 10.8  Dur = 13.2s Dmag = 0.4 Sun: 165° Moon: 21°

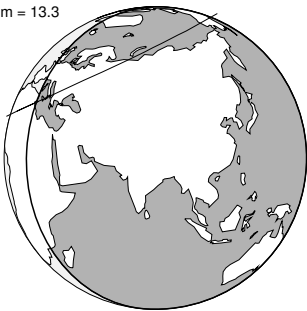
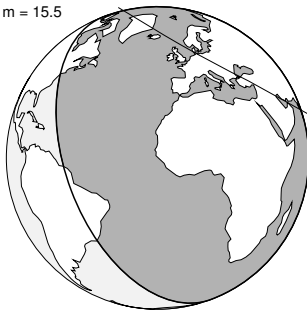
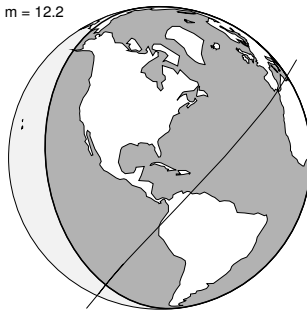
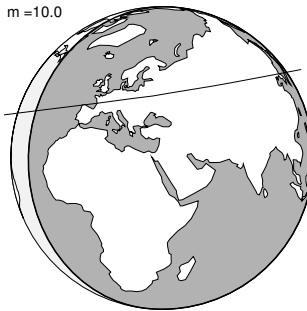
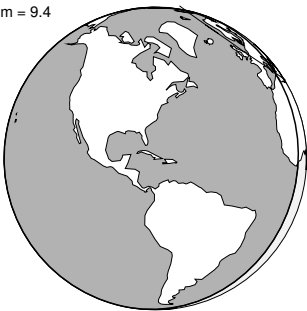
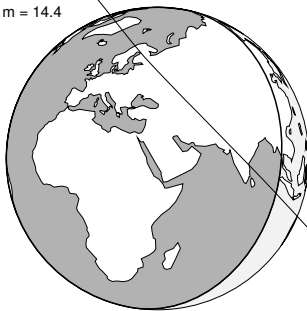
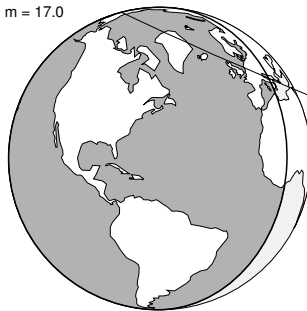
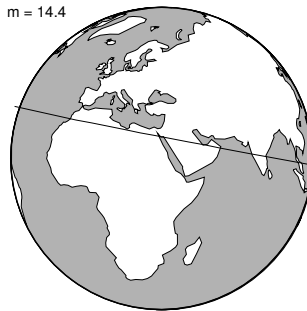
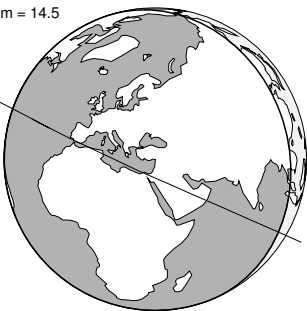
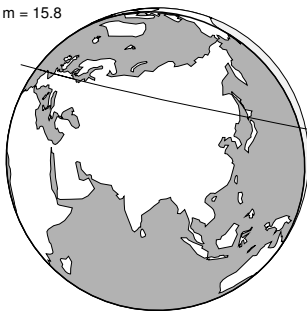
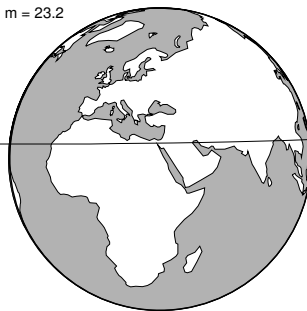
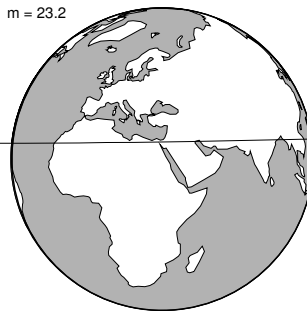
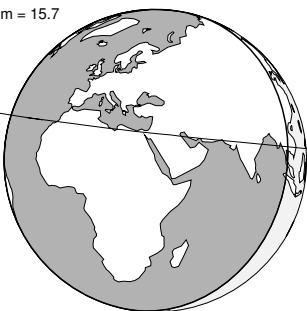
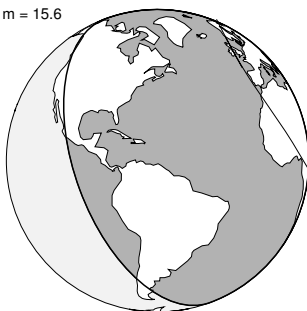
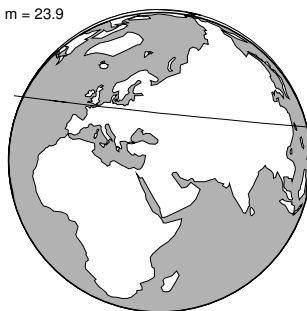
Occultations by major and minor planets – 2027

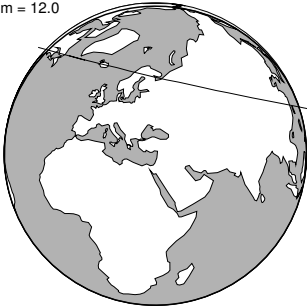
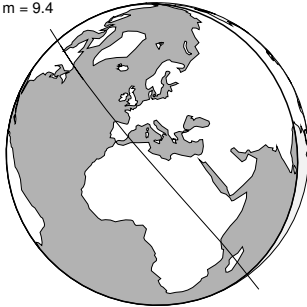
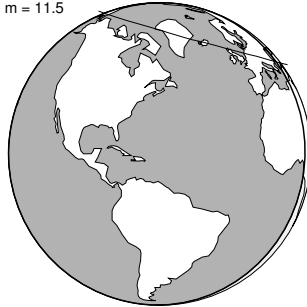
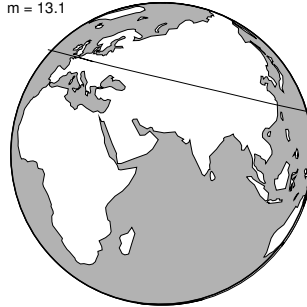
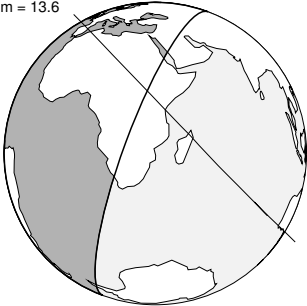
Region 3

2027 dec 15 1h 1.2m B27_12007 1998WV24 UCAC4 560-020414 Diam = 138.0 m = 13.1 m = 23.3  Dur = 5.4s Dmag = 10.3 Sun: 174° Moon: 14°	2027 dec 16 7h12.8m A27_12025 83 Beatrix TYC 0282-00916-1 Diam = 84.0 m = 10.8 m = 13.4  Dur = 3.4s Dmag = 2.7 Sun: 77° Moon: 66°	2027 dec 17 0h57.7m A27_12101 479 Capra UCAC4 517-039110 Diam = 77.5 m = 12.0 m = 12.7  Dur = 9.7s Dmag = 1.2 Sun: 154° Moon: 23°	2027 dec 17 2h54.5m A27_12032 106 Dione TYC 1918-00211-1 Diam = 146.9 m = 11.4 m = 11.8  Dur = 14.1s Dmag = 1.0 Sun: 155° Moon: 23°
2027 dec 17 4h54.0m B27_12004 160427 2005RL43 UCAC4 505-015034 Diam = 108.1 m = 13.1 m = 21.9  Dur = 4.4s Dmag = 8.8 Sun: 167° Moon: 48°	2027 dec 17 19h 1.7m A27_12166 1001 Gaussia TYC 1338-01006-1 Diam = 78.3 m = 12.1 m = 14.0  Dur = 6.5s Dmag = 2.1 Sun: 164° Moon: 40°	2027 dec 17 19h19.6m A27_12069 328 Gudrun PPMX 2133381 Diam = 120.0 m = 12.3 m = 12.7  Dur = 10.4s Dmag = 1.0 Sun: 155° Moon: 60°	2027 dec 18 1h32.7m A27_12092 442 Eichsfeldia PPMX 6088003 Diam = 67.5 m = 13.4 m = 12.3  Dur = 7.3s Dmag = 1.4 Sun: 156° Moon: 36°
2027 dec 19 4h47.3m A27_12132 631 Philippina UCAC4 361-061838 Diam = 75.9 m = 12.1 m = 13.8  Dur = 3.4s Dmag = 1.9 Sun: 81° Moon: 28°	2027 dec 19 16h37.4m A27_12160 914 Palisana TYC 1715-01288-1 Diam = 79.0 m = 11.3 m = 13.2  Dur = 3.3s Dmag = 2.0 Sun: 90° Moon: 159°	2027 dec 20 0h17.7m A27_12191 44594 1999OX3 UCAC4 559-008899 Diam = 160.7 m = 12.0 m = 19.7  Dur = 8.2s Dmag = 7.7 Sun: 157° Moon: 108°	2027 dec 20 4h24.9m A27_12157 891 Gunhild TYC 1399-01416-1 Diam = 53.6 m = 12.2 m = 14.5  Dur = 6.7s Dmag = 2.4 Sun: 139° Moon: 47°
2027 dec 20 15h32.0m A27_12041 144 Vibilia TYC 5258-01098-1 Diam = 178.0 m = 11.3 m = 12.0  Dur = 7.8s Dmag = 1.2 Sun: 86° Moon: 169°	2027 dec 21 0h 0.1m B27_12015 2012YG12 UCAC4 529-034626 Diam = 166.0 m = 14.9 m = 22.2  Dur = 6.8s Dmag = 7.3 Sun: 163° Moon: 83°	2027 dec 21 23h44.5m A27_12159 891 Gunhild TYC 1399-00947-1 Diam = 53.6 m = 9.7 m = 14.4  Dur = 6.3s Dmag = 4.7 Sun: 141° Moon: 72°	2027 dec 22 6h25.2m A27_12131 609 Fulvia UCAC4 507-048891 Diam = 56.3 m = 12.1 m = 15.3  Dur = 18.9s Dmag = 3.3 Sun: 128° Moon: 62°

Occultations by major and minor planets – 2027

Region 3

2027 dec 22 16h 3.7m A27_12064 303 Josephina UCAC4 599-009659 Diam = 103.0 m = 11.8 m = 13.3  Dur = 11.7s Dmag = 1.7 Sun: 148° Moon: 149°	2027 dec 22 21h27.7m A27_12060 267 Tirza UCAC4 508-003891 Diam = 53.6 m = 12.2 m = 15.5  Dur = 15.7s Dmag = 3.4 Sun: 127° Moon: 170°	2027 dec 23 2h20.1m A27_12082 389 Industria TYC 1786-00358-1 Diam = 81.0 m = 10.0 m = 12.2  Dur = 11.3s Dmag = 2.4 Sun: 138° Moon: 165°	2027 dec 23 19h28.1m A27_12073 349 Dembowska UCAC4 596-011201 Diam = 143.0 m = 12.3 m = 10.0  Dur = 16.2s Dmag = 0.1 Sun: 151° Moon: 160°
2027 dec 24 6h30.8m A27_12116 532 Herculina TYC 1368-00635-1 Diam = 216.5 m = 11.4 m = 9.4  Dur = 18.9s Dmag = 0.2 Sun: 160° Moon: 119°	2027 dec 24 23h47.7m A27_12158 891 Gunhild TYC 1399-00338-1 Diam = 53.6 m = 10.3 m = 14.4  Dur = 5.7s Dmag = 4.1 Sun: 144° Moon: 112°	2027 dec 25 6h31.4m A27_12181 1354 Botha TYC 1945-00395-1 Diam = 52.5 m = 11.5 m = 17.0  Dur = 4.3s Dmag = 5.5 Sun: 147° Moon: 119°	2027 dec 25 22h 3.8m A27_12156 861 Aida UCAC4 549-030245 Diam = 70.1 m = 11.8 m = 14.4  Dur = 4.7s Dmag = 2.7 Sun: 173° Moon: 152°
2027 dec 25 23h32.5m A27_12148 784 Pickeringia TYC 2481-00567-1 Diam = 90.0 m = 8.8 m = 14.5  Dur = 6.5s Dmag = 5.7 Sun: 151° Moon: 134°	2027 dec 26 19h12.8m A27_12186 2453 Wabash TYC 2463-00305-1 Diam = 45.7 m = 11.8 m = 15.8  Dur = 3.4s Dmag = 4.0 Sun: 161° Moon: 154°	2027 dec 26 21h16.1m B27_12008 1998WX24 UCAC4 570-020442 Diam = 190.5 m = 12.6 m = 23.2  Dur = 7.4s Dmag = 10.6 Sun: 173° Moon: 175°	2027 dec 26 21h16.5m A27_12195 1998WX24 UCAC5 570-019390 Diam = 190.5 m = 12.4 m = 23.2  Dur = 7.4s Dmag = 10.8 Sun: 173° Moon: 175°
2027 dec 26 23h37.8m A27_12180 1298 Nocturna TYC 1387-00374-1 Diam = 47.3 m = 12.0 m = 15.7  Dur = 4.2s Dmag = 3.8 Sun: 150° Moon: 141°	2027 dec 27 0h19.7m A27_12059 267 Tirza TYC 0635-00976-1 Diam = 53.6 m = 12.2 m = 15.6  Dur = 20.4s Dmag = 3.4 Sun: 123° Moon: 132°	2027 dec 27 21h11.3m B27_12009 2000YD2 UCAC5 624-030397 Diam = 109.6 m = 14.9 m = 23.9  Dur = 4.3s Dmag = 9.0 Sun: 168° Moon: 171°	2027 dec 29 3h48.5m A27_12135 638 Moira PPMX 6061626 Diam = 68.0 m = 11.9 m = 13.7  Dur = 4.8s Dmag = 2.0 Sun: 175° Moon: 170°

2027 dec 29 21h37.7m A27_12058 264 Libussa PPMX 4029951 Diam = 53.0 m = 12.2 m = 12.0  Dur = 4.5s Dmag = 0.7 Sun: 167° Moon: 153°	2027 dec 30 0h42.3m A27_12006 23 Thalia PPMX 4109551 Diam = 111.0 m = 12.5 m = 9.4  Dur = 15.2s Dmag = 0.1 Sun: 156° Moon: 167°	2027 dec 30 5h23.0m A27_12046 182 Elsa UCAC4 557-041976 Diam = 45.3 m = 12.1 m = 11.5  Dur = 5.8s Dmag = 0.5 Sun: 163° Moon: 170°	2027 dec 30 20h26.6m A27_12095 442 Eichsfeldia TYC 1349-01156-1 Diam = 67.5 m = 11.6 m = 13.1  Dur = 5.9s Dmag = 1.7 Sun: 171° Moon: 154°
2027 dec 31 3h58.2m A27_12091 426 Hippo TYC 6117-01381-1 Diam = 134.0 m = 9.8 m = 13.6  Dur = 5.1s Dmag = 3.8 Sun: 77° Moon: 114°			