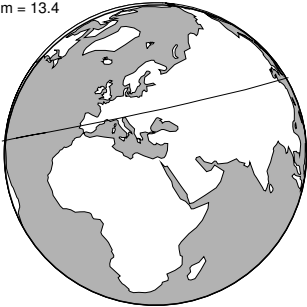
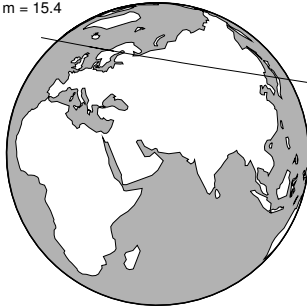
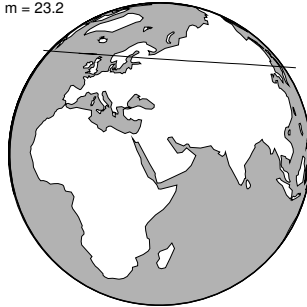
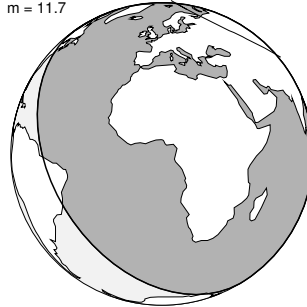
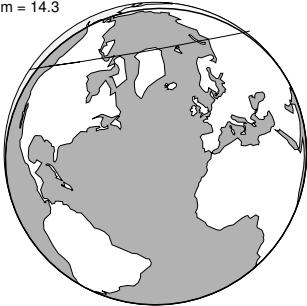
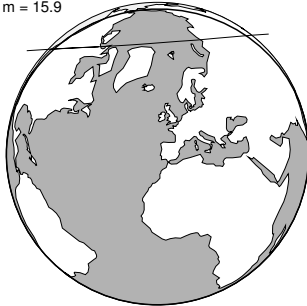
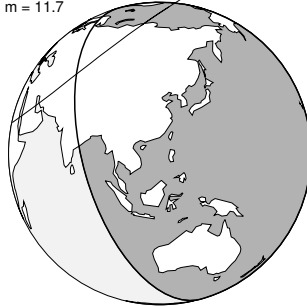
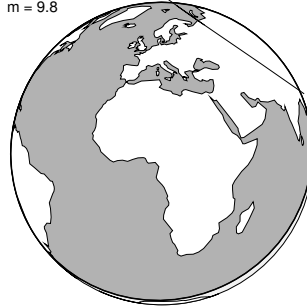
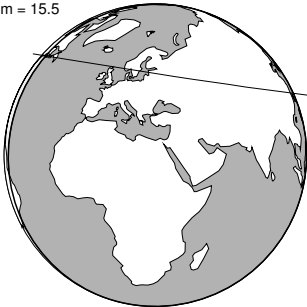
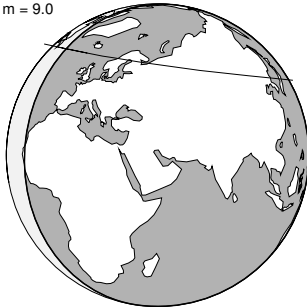
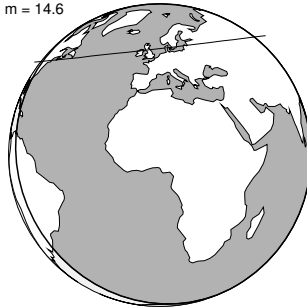
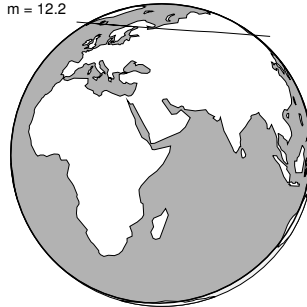
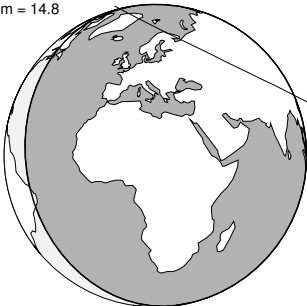
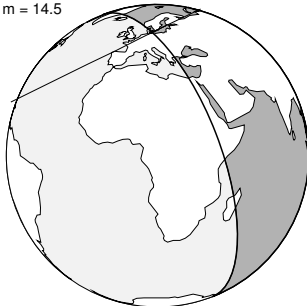
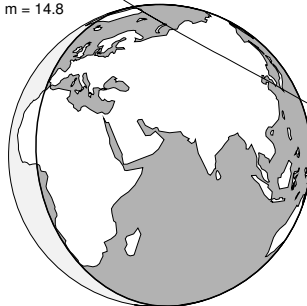
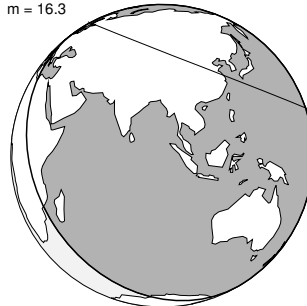


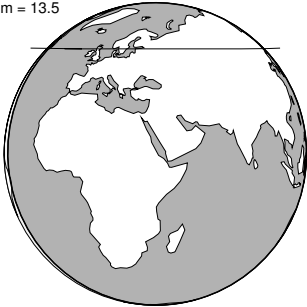
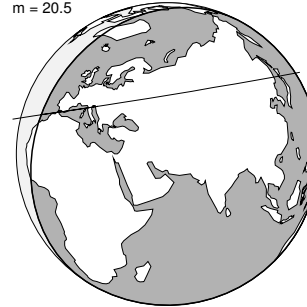
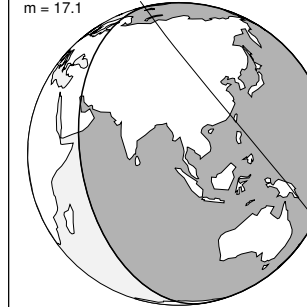
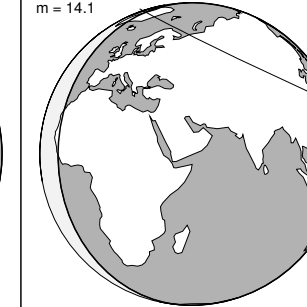
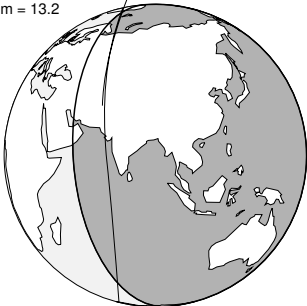
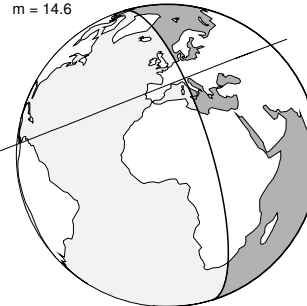
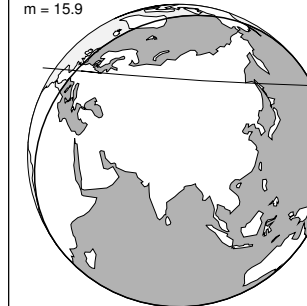
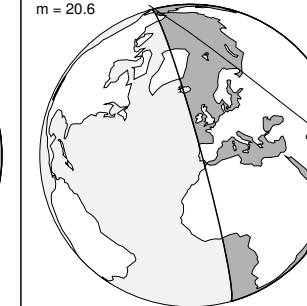
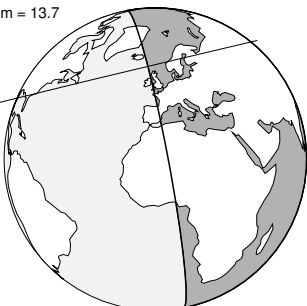
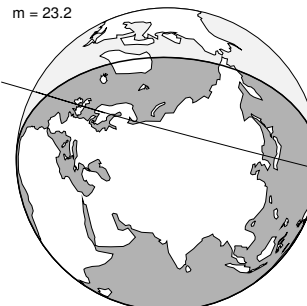
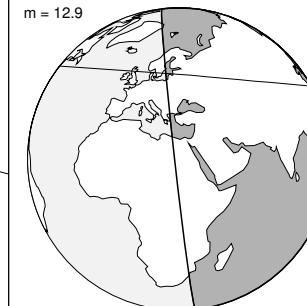
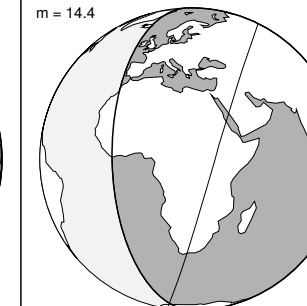
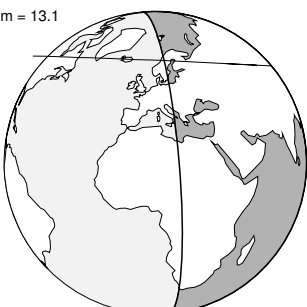
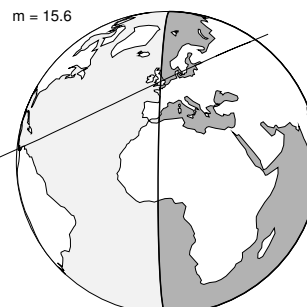
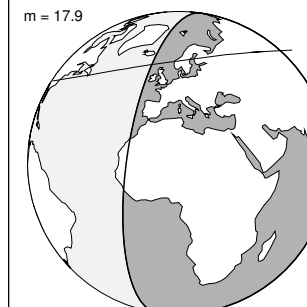
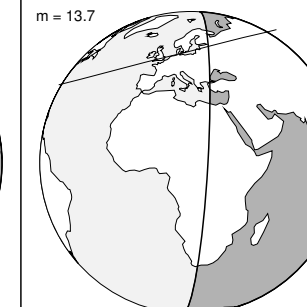
# Occultations by major and minor planets – 2024

# Region 5

<p><b>2024 jan 2 21h40.5m</b> A24_01083 606 Brangäne TYC 2426–00071–1 Diam = 40.0 m = 11.2 m = 13.4</p>  <p>Dur = 3.7s Dmag = 2.3 Sun: 168° Moon: 82°</p>	<p><b>2024 jan 5 19h59.6m</b> A24_01114 1180 Rita UCAC4 576–033961 Diam = 61.9 m = 11.8 m = 15.4</p>  <p>Dur = 3.5s Dmag = 3.6 Sun: 175° Moon: 113°</p>	<p><b>2024 jan 6 20h36.1m</b> B24_01001 19255 1994VK8 UCAC5 570–029593 Diam = 170.6 m = 15.0 m = 23.2</p>  <p>Dur = 6.7s Dmag = 8.3 Sun: 172° Moon: 128°</p>	<p><b>2024 jan 6 21h17.5m</b> A24_01062 485 Genua UCAC4 455–007040 Diam = 68.2 m = 11.8 m = 11.7</p>  <p>Dur = 14.9s Dmag = 0.7 Sun: 137° Moon: 149°</p>
<p><b>2024 jan 8 1h45.6m</b> A24_01080 591 Irmgard TYC 2928–00499–1 Diam = 54.7 m = 11.2 m = 14.3</p>  <p>Dur = 4.5s Dmag = 3.1 Sun: 161° Moon: 143°</p>	<p><b>2024 jan 9 0h42.9m</b> A24_01129 1404 Ajax UCAC4 648–043507 Diam = 92.0 m = 11.9 m = 15.9</p>  <p>Dur = 5.3s Dmag = 4.0 Sun: 162° Moon: 149°</p>	<p><b>2024 jan 9 12h 8.5m</b> A24_01021 144 Vibilia UCAC4 535–005568 Diam = 178.0 m = 12.2 m = 11.7</p>  <p>Dur = 31.3s Dmag = 0.5 Sun: 120° Moon: 147°</p>	<p><b>2024 jan 11 23h51.8m</b> A24_01053 354 Eleonora UCAC4 491–048008 Diam = 162.0 m = 11.9 m = 9.8</p>  <p>Dur = 13.4s Dmag = 0.1 Sun: 164° Moon: 163°</p>
<p><b>2024 jan 13 21h15.3m</b> A24_01115 1180 Rita HIP 31982 Diam = 61.9 m = 6.5 m = 15.5</p>  <p>Dur = 3.7s Dmag = 9.0 Sun: 166° Moon: 133°</p>	<p><b>2024 jan 14 18h47.6m</b> A24_01004 9 Metis PPMX 4986268 Diam = 231.2 m = 12.1 m = 9.0</p>  <p>Dur = 41.2s Dmag = 0.1 Sun: 151° Moon: 107°</p>	<p><b>2024 jan 16 22h34.7m</b> A24_01145 2152 Hannibal UCAC4 506–028272 Diam = 49.0 m = 11.5 m = 14.6</p>  <p>Dur = 4.5s Dmag = 3.2 Sun: 159° Moon: 89°</p>	<p><b>2024 jan 20 21h37.1m</b> A24_01037 198 Ampella TYC 0810–00786–1 Diam = 58.7 m = 11.4 m = 12.2</p>  <p>Dur = 4.3s Dmag = 1.2 Sun: 165° Moon: 69°</p>
<p><b>2024 jan 23 20h52.3m</b> A24_01109 850 Altona TYC 1314–01098–1 Diam = 84.5 m = 11.9 m = 14.8</p>  <p>Dur = 6.6s Dmag = 2.9 Sun: 148° Moon: 15°</p>	<p><b>2024 jan 24 15h26.8m</b> A24_01051 334 Chicago TYC 4673–00124–1 Diam = 170.0 m = 10.1 m = 14.5</p>  <p>Dur = 6.3s Dmag = 4.4 Sun: 65° Moon: 102°</p>	<p><b>2024 jan 27 17h52.5m</b> A24_01110 850 Altona UCAC4 533–023141 Diam = 84.5 m = 11.3 m = 14.8</p>  <p>Dur = 7.1s Dmag = 3.6 Sun: 144° Moon: 58°</p>	<p><b>2024 jan 31 16h13.3m</b> A24_01111 921 Jovita UCAC4 455–028437 Diam = 60.5 m = 12.1 m = 16.3</p>  <p>Dur = 4.2s Dmag = 4.2 Sun: 148° Moon: 89°</p>

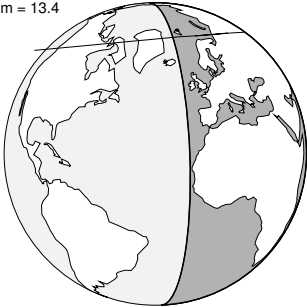
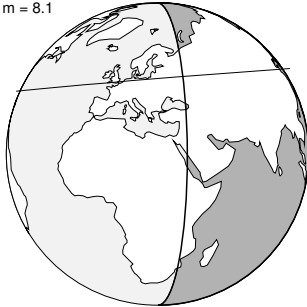
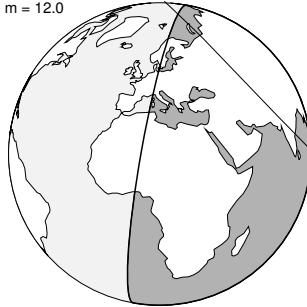

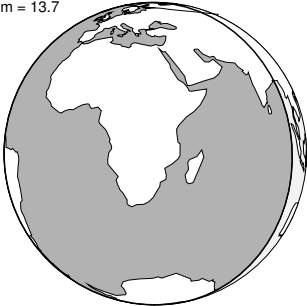
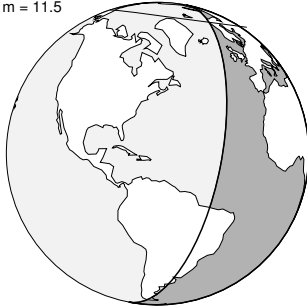
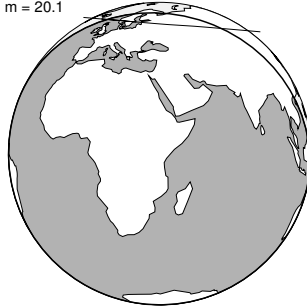
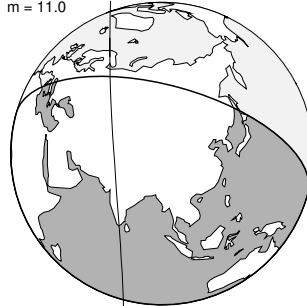
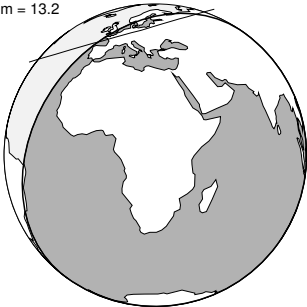
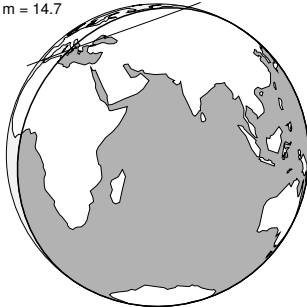
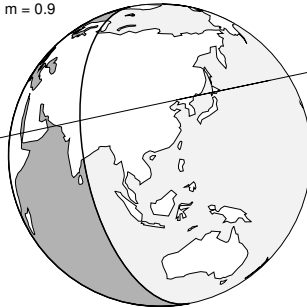
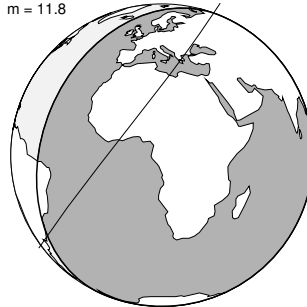
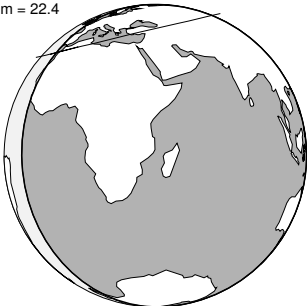
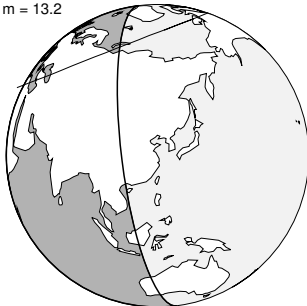
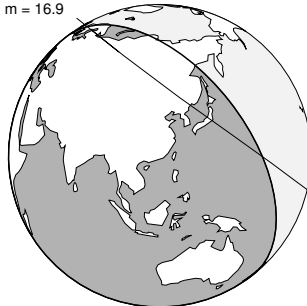
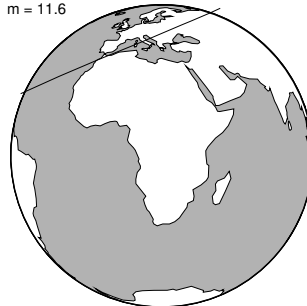
# Occultations by major and minor planets – 2024

# Region 5

<p><b>2024 jan 31 20h45.0m</b> A24_01085 607 Jenny UCAC4 529-044511 Diam = 65.5 m = 12.2 m = 13.5</p>  <p>Dur = 5.2s Dmag = 1.6 Sun: 167° Moon: 79°</p>	<p><b>2024 feb 6 18h40.9m</b> B24_02003 341275 2007RG283 UCAC4 618-042354 Diam = 82.0 m = 14.3 m = 20.5</p>  <p>Dur = 4.0s Dmag = 6.2 Sun: 150° Moon: 163°</p>	<p><b>2024 feb 9 14h24.5m</b> A24_02149 15440 Eioneus TYC 0721-01535-1 Diam = 49.2 m = 10.4 m = 17.1</p>  <p>Dur = 3.7s Dmag = 6.7 Sun: 130° Moon: 134°</p>	<p><b>2024 feb 14 18h54.0m</b> A24_02115 799 Gudula TYC 1363-02370-1 Diam = 46.5 m = 12.4 m = 14.1</p>  <p>Dur = 5.4s Dmag = 1.9 Sun: 151° Moon: 85°</p>
<p><b>2024 feb 17 14h16.0m</b> A24_02021 72 Feronia TYC 1313-01118-1 Diam = 89.3 m = 11.6 m = 13.2</p>  <p>Dur = 39.3s Dmag = 1.8 Sun: 122° Moon: 24°</p>	<p><b>2024 feb 19 16h44.3m</b> A24_02069 447 Valentine UCAC4 527-004841 Diam = 82.0 m = 12.0 m = 14.6</p>  <p>Dur = 3.2s Dmag = 2.7 Sun: 73° Moon: 53°</p>	<p><b>2024 feb 23 17h22.9m</b> A24_02070 448 Natalie UCAC4 618-046293 Diam = 49.7 m = 12.0 m = 15.9</p>  <p>Dur = 3.5s Dmag = 3.9 Sun: 151° Moon: 20°</p>	<p><b>2024 feb 25 18h14.2m</b> A24_02150 24835 1995SM55 UCAC4 646-016015 Diam = 487.5 m = 12.4 m = 20.6</p>  <p>Dur = 46.8s Dmag = 8.2 Sun: 85° Moon: 106°</p>
<p><b>2024 feb 28 17h50.7m</b> A24_02085 503 Evelyn UCAC4 565-009421 Diam = 79.5 m = 11.9 m = 13.7</p>  <p>Dur = 3.8s Dmag = 2.0 Sun: 85° Moon: 141°</p>	<p><b>2024 mar 1 19h27.0m</b> B24_03012 2008AU138 UCAC4 726-047188 Diam = 190.5 m = 13.1 m = 23.2</p>  <p>Dur = 7.5s Dmag = 10.1 Sun: 132° Moon: 92°</p>	<p><b>2024 mar 3 16h13.8m</b> A24_03072 389 Industria UCAC4 567-012514 Diam = 81.0 m = 11.6 m = 12.9</p>  <p>Dur = 5.3s Dmag = 1.6 Sun: 91° Moon: 176°</p>	<p><b>2024 mar 11 18h39.9m</b> A24_03148 1263 Varsavia UCAC4 472-033132 Diam = 50.7 m = 11.9 m = 14.4</p>  <p>Dur = 3.4s Dmag = 2.6 Sun: 121° Moon: 103°</p>
<p><b>2024 mar 17 16h57.2m</b> A24_03073 389 Industria UCAC4 566-014151 Diam = 81.0 m = 12.1 m = 13.1</p>  <p>Dur = 3.9s Dmag = 1.3 Sun: 80° Moon: 16°</p>	<p><b>2024 mar 18 18h10.1m</b> A24_03118 850 Altona UCAC4 551-022675 Diam = 84.5 m = 12.1 m = 15.6</p>  <p>Dur = 6.6s Dmag = 3.5 Sun: 93° Moon: 17°</p>	<p><b>2024 mar 21 18h59.3m</b> A24_03167 2932 Kempchinsky UCAC4 550-040996 Diam = 48.7 m = 12.2 m = 17.9</p>  <p>Dur = 11.7s Dmag = 5.7 Sun: 110° Moon: 32°</p>	<p><b>2024 mar 30 16h28.6m</b> A24_03058 258 Tyche UCAC4 494-021752 Diam = 67.7 m = 9.8 m = 13.7</p>  <p>Dur = 3.2s Dmag = 4.0 Sun: 83° Moon: 150°</p>


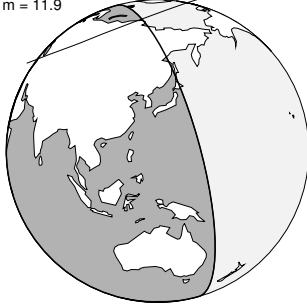
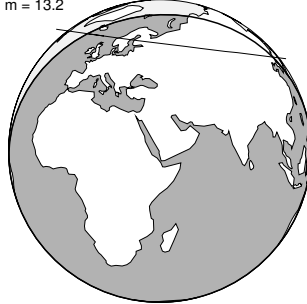
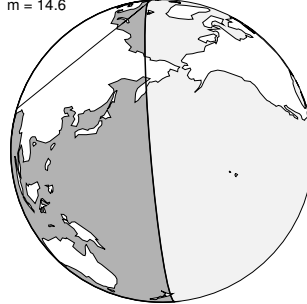
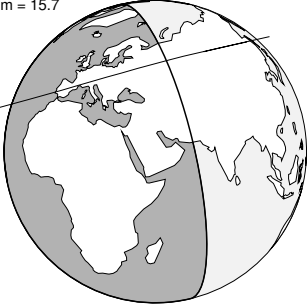
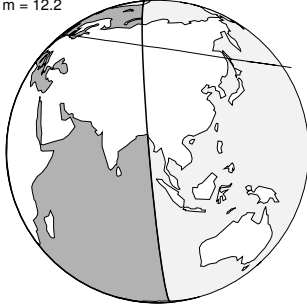
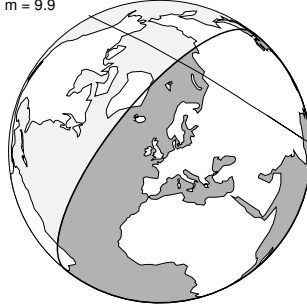
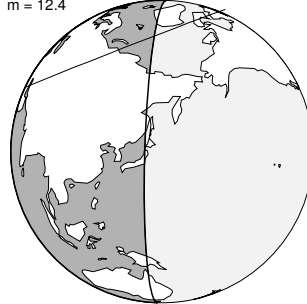
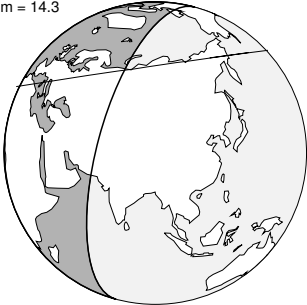
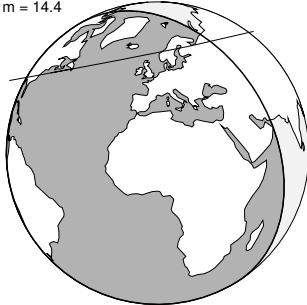
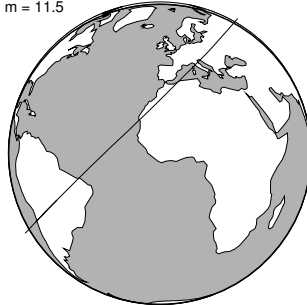
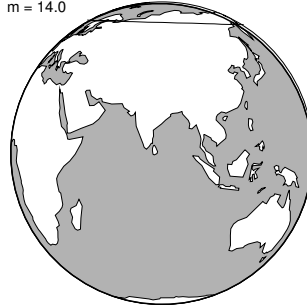
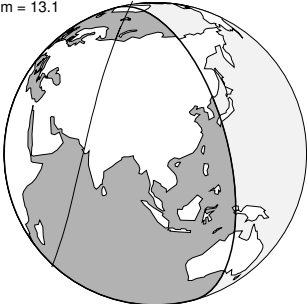
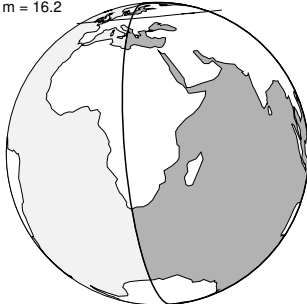
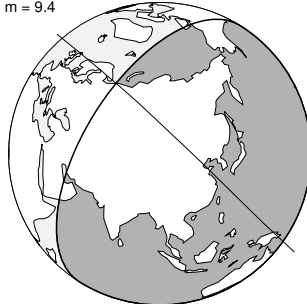
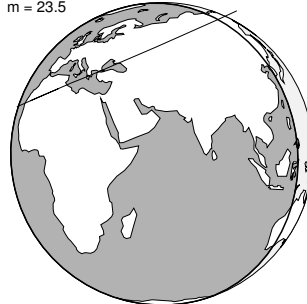
# Occultations by major and minor planets – 2024

# Region 5

<p><b>2024 mar 30 19h21.4m</b> A24_03082 488 Kreusa UCAC4 591-021843 Diam = 158.0 m = 12.2 m = 13.4</p>  <p>Dur = 7.0s Dmag = 1.5 Sun: 76° Moon: 165°</p>	<p><b>2024 mar 31 15h39.4m</b> A24_03007 4 Vesta UCAC4 573-022730 Diam = 523.2 m = 11.9 m = 8.1</p>  <p>Dur = 24.3s Dmag = 0.0 Sun: 78° Moon: 172°</p>	<p><b>2024 apr 6 17h53.8m</b> A24_04029 71 Niobe TYC 1373-00342-1 Diam = 87.3 m = 11.0 m = 12.0</p>  <p>Dur = 6.9s Dmag = 1.3 Sun: 97° Moon: 125°</p>	<p><b>2024 apr 9 18h48.8m</b> A24_04004 4 Vesta UCAC5 574-023148 Diam = 523.2 m = 12.5 m = 8.2</p>  <p>Dur = 21.1s Dmag = 0.0 Sun: 72° Moon: 58°</p>
<p><b>2024 may 2 23h37.6m</b> A24_05094 521 Brixia TYC 5638-00725-1 Diam = 103.0 m = 10.8 m = 13.7</p>  <p>Dur = 7.8s Dmag = 2.9 Sun: 154° Moon: 86°</p>	<p><b>2024 may 11 20h56.7m</b> A24_05004 5 Astraea UCAC4 555-042197 Diam = 125.0 m = 12.0 m = 11.5</p>  <p>Dur = 3.9s Dmag = 0.5 Sun: 64° Moon: 17°</p>	<p><b>2024 jun 10 22h 2.5m</b> B24_06010 174567 Varda UCAC4 443-075612 Diam = 847.2 m = 14.8 m = 20.1</p>  <p>Dur = 34.1s Dmag = 5.3 Sun: 157° Moon: 128°</p>	<p><b>2024 jun 28 18h46.6m</b> A24_06154 1036 Ganymed TYC 3135-00712-1 Diam = 41.0 m = 10.1 m = 11.0</p>  <p>Dur = 3.2s Dmag = 1.3 Sun: 116° Moon: 75°</p>
<p><b>2024 jun 28 20h18.6m</b> A24_06092 489 Comacina UCAC4 434-065045 Diam = 144.0 m = 11.1 m = 13.2</p>  <p>Dur = 15.9s Dmag = 2.3 Sun: 143° Moon: 119°</p>	<p><b>2024 jul 24 18h20.0m</b> A24_07152 874 Rotraut UCAC4 415-086440 Diam = 58.3 m = 12.5 m = 14.7</p>  <p>Dur = 5.4s Dmag = 2.4 Sun: 153° Moon: 68°</p>	<p><b>2024 jul 26 0h19.4m</b> P24_07001 Mars TYC 1258-00868-1 Diam = 6759.2 m = 8.4 m = 0.9</p>  <p>Dur = 201.6s Dmag = 0.0 Sun: 59° Moon: 58°</p>	<p><b>2024 aug 14 20h51.3m</b> A24_08089 386 Siegena UCAC4 447-103353 Diam = 173.0 m = 12.4 m = 11.8</p>  <p>Dur = 14.6s Dmag = 0.5 Sun: 142° Moon: 41°</p>
<p><b>2024 aug 15 19h25.8m</b> B24_08001 10370 Hylonome UCAC4 364-174007 Diam = 95.5 m = 13.3 m = 22.4</p>  <p>Dur = 4.7s Dmag = 9.1 Sun: 152° Moon: 26°</p>	<p><b>2024 aug 16 22h30.9m</b> A24_08028 54 Alexandra TYC 2375-01214-1 Diam = 171.0 m = 10.9 m = 13.2</p>  <p>Dur = 7.7s Dmag = 2.4 Sun: 76° Moon: 142°</p>	<p><b>2024 aug 18 19h 7.0m</b> A24_08168 4867 Polites TYC 1738-00457-1 Diam = 55.0 m = 11.1 m = 16.9</p>  <p>Dur = 4.2s Dmag = 5.8 Sun: 125° Moon: 68°</p>	<p><b>2024 aug 22 22h45.7m</b> A24_08044 150 Nuwa UCAC4 414-141918 Diam = 157.0 m = 12.4 m = 11.6</p>  <p>Dur = 15.6s Dmag = 0.4 Sun: 174° Moon: 40°</p>

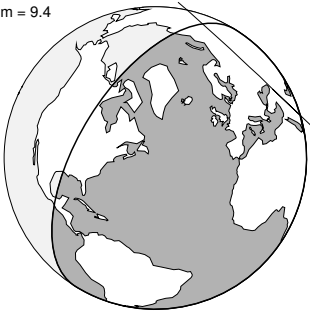
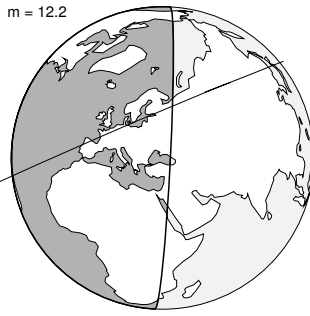
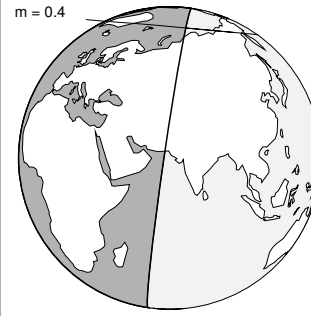
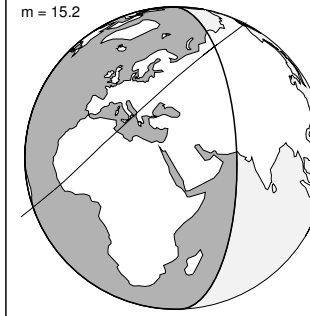
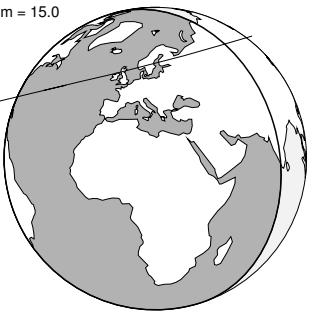
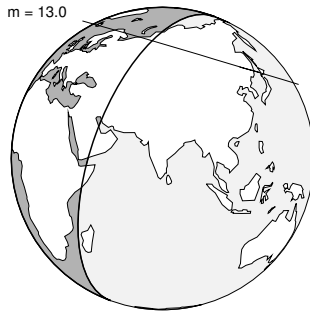
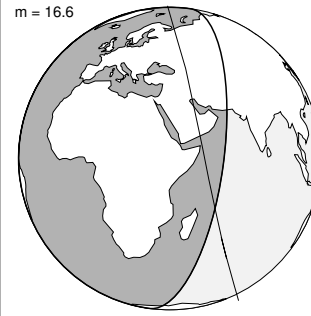
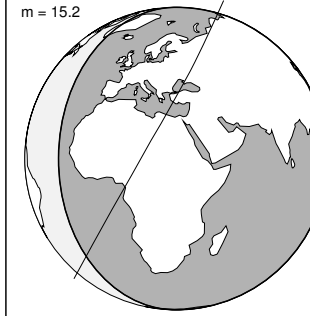
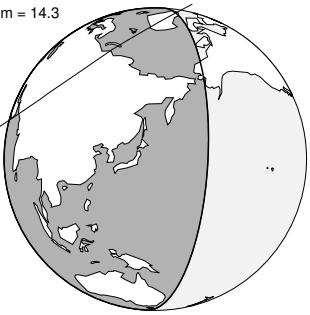
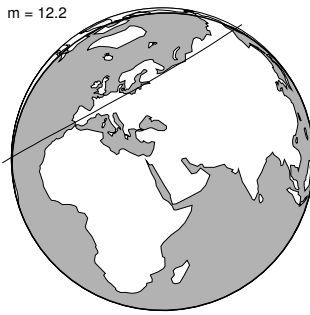

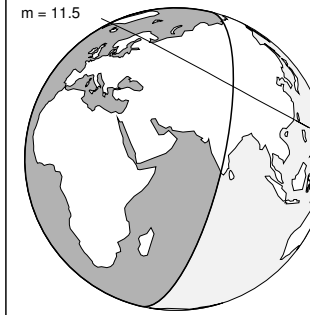
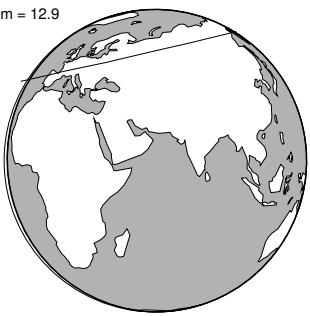
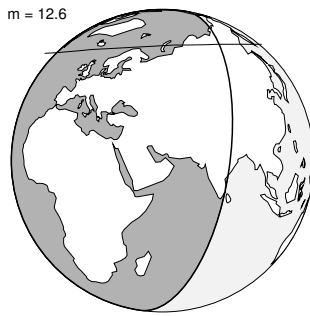

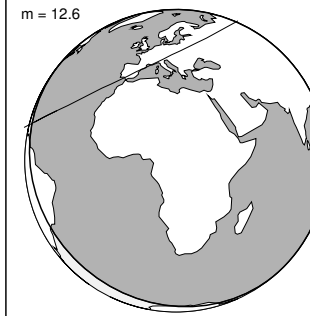
# Occultations by major and minor planets – 2024

# Region 5

<p><b>2024 aug 25 21h40.8m</b> A24_08024 47 Aglaja UCAC4 584–014640 Diam = 137.0 m = 12.0 m = 13.5</p>  <p>Dur = 6.1s Dmag = 1.7 Sun: 75° Moon: 21°</p>	<p><b>2024 aug 28 19h51.0m</b> A24_08008 33 Polyhymnia TYC 1228–00810–1 Diam = 81.3 m = 11.8 m = 11.9</p>  <p>Dur = 7.6s Dmag = 0.8 Sun: 106° Moon: 46°</p>	<p><b>2024 aug 28 20h51.8m</b> A24_08100 445 Edna TYC 1681–00226–1 Diam = 89.0 m = 9.1 m = 13.2</p>  <p>Dur = 7.6s Dmag = 4.1 Sun: 153° Moon: 110°</p>	<p><b>2024 sep 5 18h30.2m</b> A24_09087 326 Tamara UCAC4 616–018319 Diam = 100.0 m = 11.7 m = 14.6</p>  <p>Dur = 5.3s Dmag = 3.0 Sun: 85° Moon: 114°</p>
<p><b>2024 sep 6 1h33.2m</b> A24_09100 395 Delia UCAC4 562–007696 Diam = 54.0 m = 11.6 m = 15.7</p>  <p>Dur = 7.1s Dmag = 4.1 Sun: 104° Moon: 137°</p>	<p><b>2024 sep 7 23h41.9m</b> A24_09035 69 Hesperia TYC 1283–00171–1 Diam = 143.0 m = 11.0 m = 12.2</p>  <p>Dur = 7.0s Dmag = 1.5 Sun: 86° Moon: 139°</p>	<p><b>2024 sep 10 20h48.6m</b> A24_09166 1036 Ganymed TYC 3936–00965–1 Diam = 41.0 m = 9.5 m = 9.9</p>  <p>Dur = 5.8s Dmag = 1.0 Sun: 109° Moon: 92°</p>	<p><b>2024 sep 14 20h23.9m</b> A24_09017 36 Atalante UCAC4 654–038436 Diam = 109.0 m = 10.6 m = 12.4</p>  <p>Dur = 4.4s Dmag = 2.0 Sun: 83° Moon: 141°</p>
<p><b>2024 sep 16 1h35.3m</b> A24_09128 595 Polyxena TYC 2464–00020–1 Diam = 114.0 m = 10.2 m = 14.3</p>  <p>Dur = 4.1s Dmag = 4.1 Sun: 67° Moon: 141°</p>	<p><b>2024 sep 16 1h52.4m</b> A24_09122 583 Klotilde UCAC4 555–003565 Diam = 86.0 m = 12.4 m = 14.4</p>  <p>Dur = 10.7s Dmag = 2.2 Sun: 139° Moon: 69°</p>	<p><b>2024 sep 17 0h24.5m</b> A24_09055 137 Meliboea UCAC4 490–145158 Diam = 150.0 m = 12.4 m = 11.5</p>  <p>Dur = 13.5s Dmag = 0.4 Sun: 169° Moon: 22°</p>	<p><b>2024 sep 17 18h47.5m</b> A24_09106 436 Patricia TYC 0007–00112–1 Diam = 63.0 m = 10.3 m = 14.0</p>  <p>Dur = 4.6s Dmag = 3.8 Sun: 169° Moon: 16°</p>
<p><b>2024 sep 19 21h 2.1m</b> A24_09062 161 Athor UCAC5 568–007759 Diam = 45.7 m = 12.4 m = 13.1</p>  <p>Dur = 9.4s Dmag = 1.2 Sun: 118° Moon: 36°</p>	<p><b>2024 sep 27 16h35.2m</b> A24_09203 1213 Algeria UCAC5 383–133098 Diam = 43.2 m = 12.5 m = 16.2</p>  <p>Dur = 4.6s Dmag = 3.8 Sun: 102° Moon: 155°</p>	<p><b>2024 sep 28 14h18.8m</b> A24_09191 1036 Ganymed UCAC4 678–101567 Diam = 41.0 m = 12.3 m = 9.4</p>  <p>Dur = 3.3s Dmag = 0.1 Sun: 120° Moon: 116°</p>	<p><b>2024 sep 28 21h33.2m</b> A24_09227 2013TM227 TYC 0630–00786–1 Diam = 84.3 m = 11.4 m = 23.5</p>  <p>Dur = 4.0s Dmag = 12.2 Sun: 153° Moon: 111°</p>

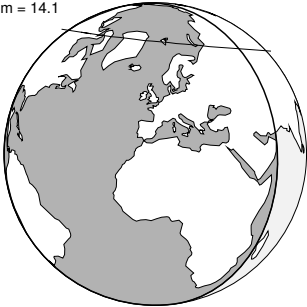
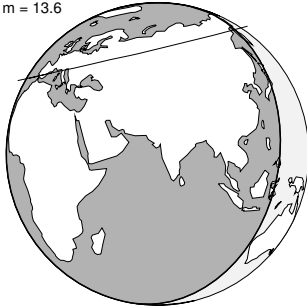
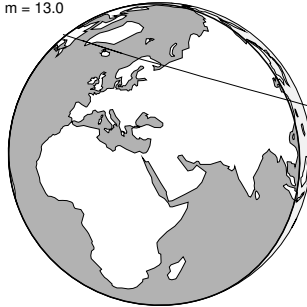

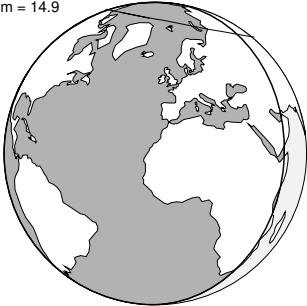
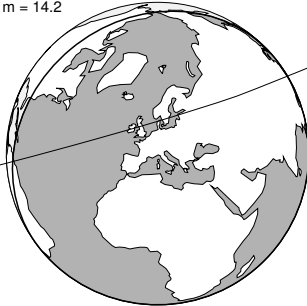
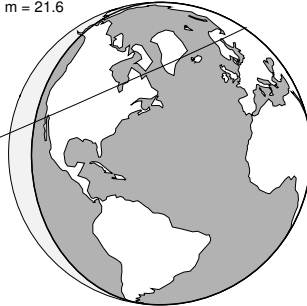
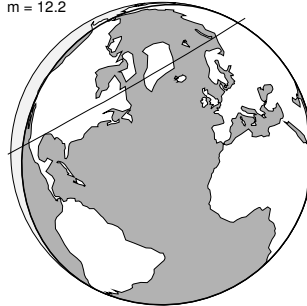
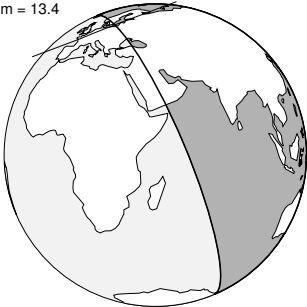

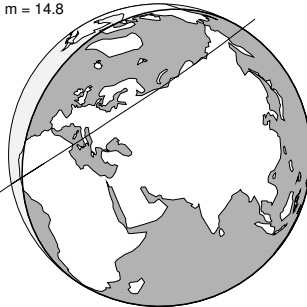
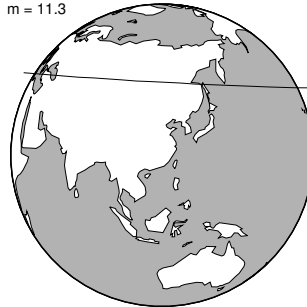
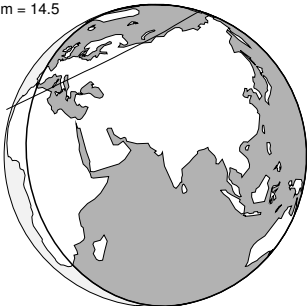
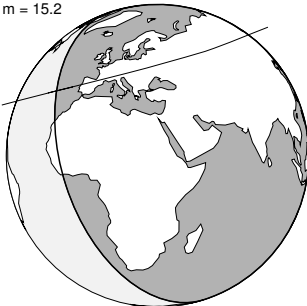
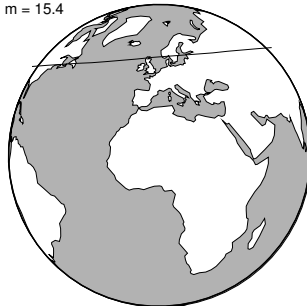
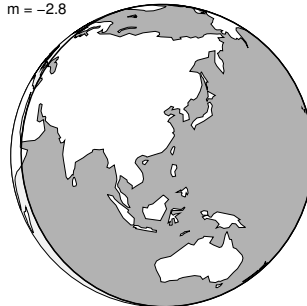
# Occultations by major and minor planets – 2024

# Region 5

<p><b>2024 sep 28 23h58.8m</b> A24_09193 1036 Ganymed TYC 3589-07211-1 Diam = 41.0 m = 11.4 m = 9.4</p>  <p>Dur = 3.2s Dmag = 0.2 Sun: 120° Moon: 118°</p>	<p><b>2024 oct 3 3h27.7m</b> A24_10018 36 Atalante UCAC4 669-047141 Diam = 109.0 m = 11.6 m = 12.2</p>  <p>Dur = 5.5s Dmag = 1.1 Sun: 92° Moon: 97°</p>	<p><b>2024 oct 10 1h39.9m</b> P24_10002 Mars TYC 1909-01141-1 Diam = 6759.2 m = 0.4</p>  <p>Dur = 392.0s Dmag = 0.0 Sun: 87° Moon: 168°</p>	<p><b>2024 oct 15 1h37.7m</b> A24_10140 1237 Genevieve TYC 1867-00589-1 Diam = 42.0 m = 10.7 m = 15.2</p>  <p>Dur = 6.9s Dmag = 4.5 Sun: 113° Moon: 100°</p>
<p><b>2024 oct 16 0h48.4m</b> A24_10081 395 Delia UCAC4 562-007601 Diam = 54.0 m = 11.5 m = 15.0</p>  <p>Dur = 6.5s Dmag = 3.6 Sun: 144° Moon: 56°</p>	<p><b>2024 oct 17 2h43.3m</b> A24_10012 21 Lutetia TYC 1410-00533-1 Diam = 99.5 m = 10.7 m = 13.0</p>  <p>Dur = 3.4s Dmag = 2.5 Sun: 61° Moon: 123°</p>	<p><b>2024 oct 18 1h47.7m</b> A24_10145 1369 Ostanina TYC 0143-01437-1 Diam = 45.5 m = 8.4 m = 16.6</p>  <p>Dur = 6.0s Dmag = 8.2 Sun: 110° Moon: 62°</p>	<p><b>2024 oct 22 19h 6.3m</b> A24_10146 1436 Salonta TYC 1167-00785-1 Diam = 63.6 m = 11.9 m = 15.2</p>  <p>Dur = 6.9s Dmag = 3.3 Sun: 140° Moon: 104°</p>
<p><b>2024 nov 1 18h49.0m</b> A24_11109 709 Fringilla UCAC4 641-041781 Diam = 99.6 m = 12.1 m = 14.3</p>  <p>Dur = 19.4s Dmag = 2.3 Sun: 110° Moon: 114°</p>	<p><b>2024 nov 2 20h40.3m</b> A24_11092 500 Selinur TYC 2309-00043-1 Diam = 45.1 m = 11.6 m = 12.2</p>  <p>Dur = 4.8s Dmag = 1.1 Sun: 163° Moon: 161°</p>	<p><b>2024 nov 6 16h55.6m</b> A24_11159 508338 2015SO20 TYC 1229-00392-1 Diam = 195.9 m = 9.7 m = 21.9</p>  <p>Dur = 8.2s Dmag = 12.2 Sun: 174° Moon: 122°</p>	<p><b>2024 nov 9 0h49.0m</b> A24_11024 79 Eurynome UCAC5 525-043665 Diam = 68.0 m = 12.4 m = 11.5</p>  <p>Dur = 7.4s Dmag = 0.4 Sun: 107° Moon: 162°</p>
<p><b>2024 nov 9 18h53.3m</b> A24_11052 207 Hedda TYC 0636-00903-1 Diam = 60.0 m = 9.1 m = 12.9</p>  <p>Dur = 5.8s Dmag = 3.8 Sun: 167° Moon: 71°</p>	<p><b>2024 nov 12 0h39.6m</b> A24_11023 77 Frigga UCAC4 574-039901 Diam = 71.0 m = 10.6 m = 12.6</p>  <p>Dur = 14.2s Dmag = 2.2 Sun: 116° Moon: 117°</p>	<p><b>2024 nov 15 20h26.7m</b> A24_11077 393 Lampetia UCAC4 498-012994 Diam = 106.0 m = 10.0 m = 13.3</p>  <p>Dur = 7.6s Dmag = 3.4 Sun: 148° Moon: 34°</p>	<p><b>2024 nov 16 21h30.4m</b> A24_11036 136 Austria TYC 0042-01382-1 Diam = 41.7 m = 9.6 m = 12.6</p>  <p>Dur = 4.7s Dmag = 3.1 Sun: 158° Moon: 35°</p>

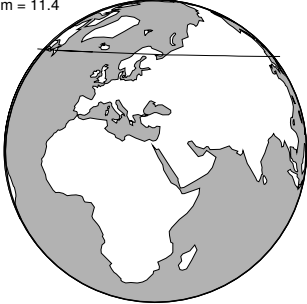
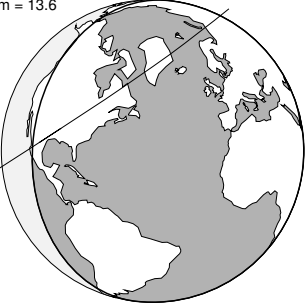
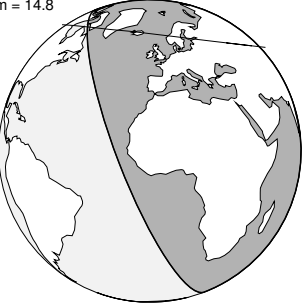
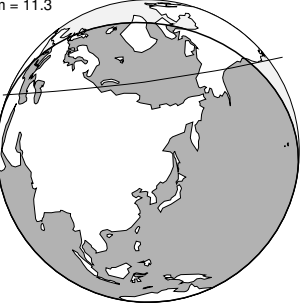
# Occultations by major and minor planets – 2024

# Region 5

<p><b>2024 nov 27 2h25.9m</b> A24_11136 1086 Nata UCAC4 606–036028 Diam = 70.5 m = 12.4 m = 14.1</p>  <p>Dur = 9.3s Sun: 143° Dmag = 1.9 Moon: 98°</p>	<p><b>2024 nov 27 21h37.4m</b> A24_11083 420 Bertholda TYC 1335–00655–1 Diam = 146.0 m = 11.8 m = 13.6</p>  <p>Dur = 16.5s Sun: 143° Dmag = 1.9 Moon: 106°</p>	<p><b>2024 nov 28 22h43.9m</b> A24_11082 416 Vaticana UCAC4 605–027360 Diam = 89.5 m = 12.3 m = 13.0</p>  <p>Dur = 6.1s Sun: 156° Dmag = 1.1 Moon: 132°</p>	<p><b>2024 dec 2 1h21.5m</b> A24_12025 75 Eurydike UCAC4 605–019715 Diam = 58.3 m = 11.8 m = 12.3</p>  <p>Dur = 4.9s Sun: 166° Dmag = 1.1 Moon: 177°</p>
<p><b>2024 dec 7 2h58.0m</b> A24_12091 492 Gismonda TYC 1896–00383–1 Diam = 54.0 m = 10.7 m = 14.9</p>  <p>Dur = 5.0s Sun: 148° Dmag = 4.2 Moon: 141°</p>	<p><b>2024 dec 13 22h 8.5m</b> A24_12092 493 Griseldis TYC 2890–00613–1 Diam = 52.0 m = 11.7 m = 14.2</p>  <p>Dur = 5.3s Sun: 153° Dmag = 2.6 Moon: 20°</p>	<p><b>2024 dec 14 1h12.2m</b> B24_12005 523750 2014US224 UCAC4 596–007950 Diam = 434.5 m = 14.9 m = 21.6</p>  <p>Dur = 19.9s Sun: 147° Dmag = 6.6 Moon: 14°</p>	<p><b>2024 dec 15 0h42.7m</b> A24_12024 54 Alexandra UCAC4 630–014106 Diam = 171.0 m = 12.4 m = 12.2</p>  <p>Dur = 13.3s Sun: 155° Dmag = 0.6 Moon: 18°</p>
<p><b>2024 dec 15 14h 6.3m</b> A24_12097 554 Peraga UCAC4 429–118180 Diam = 98.5 m = 12.3 m = 13.4</p>  <p>Dur = 4.1s Sun: 78° Dmag = 1.4 Moon: 104°</p>	<p><b>2024 dec 15 16h51.0m</b> A24_12019 41 Daphne UCAC4 453–005479 Diam = 182.0 m = 11.7 m = 12.5</p>  <p>Dur = 13.1s Sun: 147° Dmag = 1.2 Moon: 39°</p>	<p><b>2024 dec 15 18h22.9m</b> A24_12156 1266 Tone UCAC4 663–019776 Diam = 76.0 m = 10.9 m = 14.8</p>  <p>Dur = 5.5s Sun: 150° Dmag = 3.9 Moon: 30°</p>	<p><b>2024 dec 22 16h11.5m</b> A24_12014 26 Proserpina PPMX 5007011 Diam = 98.7 m = 12.5 m = 11.3</p>  <p>Dur = 7.4s Sun: 176° Dmag = 0.3 Moon: 88°</p>
<p><b>2024 dec 23 17h 2.8m</b> A24_12147 1057 Wanda TYC 1260–01437–1 Diam = 49.1 m = 12.0 m = 14.5</p>  <p>Dur = 9.5s Sun: 147° Dmag = 2.6 Moon: 130°</p>	<p><b>2024 dec 24 18h18.7m</b> A24_12108 656 Beagle TYC 1223–01624–1 Diam = 57.5 m = 11.1 m = 15.2</p>  <p>Dur = 15.9s Sun: 129° Dmag = 4.2 Moon: 160°</p>	<p><b>2024 dec 26 0h 8.0m</b> A24_12169 2307 Garuda UCAC4 540–032116 Diam = 45.1 m = 12.4 m = 15.4</p>  <p>Dur = 3.2s Sun: 172° Dmag = 3.0 Moon: 117°</p>	<p><b>2024 dec 26 14h41.7m</b> P24_12002 Jupiter TYC 1292–00552–1 Diam = 133542.0 m = 9.6 m = -2.8</p>  <p>Dur = 9643.0s Sun: 158° Dmag = 0.0 Moon: 151°</p>

# Occultations by major and minor planets – 2024

# Region 5

<p><b>2024 dec 27 21h12.5m</b> A24_12013            26 Proserpina TYC 1871-02554-1            Diam = 98.7 m = 11.7            m = 11.4</p>  <p>Dur = 7.5s Dmag = 0.6            Sun: 171° Moon: 152°</p>	<p><b>2024 dec 28 0h19.3m</b> A24_12075            366 Vincentina TYC 2363-02135-1            Diam = 98.1 m = 11.1            m = 13.6</p>  <p>Dur = 10.8s Dmag = 2.6            Sun: 142° Moon: 170°</p>	<p><b>2024 dec 29 19h 6.9m</b> A24_12100            583 Klotilde TYC 0618-00960-1            Diam = 86.0 m = 12.2            m = 14.8</p>  <p>Dur = 9.6s Dmag = 2.7            Sun: 102° Moon: 117°</p>	<p><b>2024 dec 30 16h 8.4m</b> A24_12018            36 Atalante UCAC4 727-041822            Diam = 109.0 m = 12.1            m = 11.3</p>  <p>Dur = 13.0s Dmag = 0.4            Sun: 147° Moon: 152°</p>
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