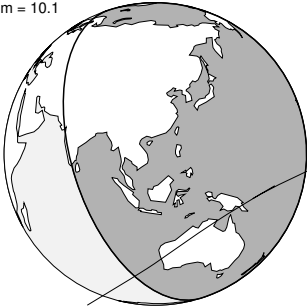
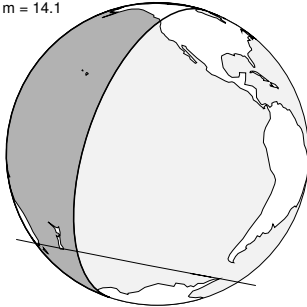
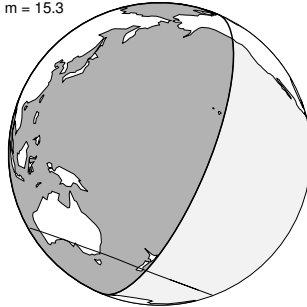
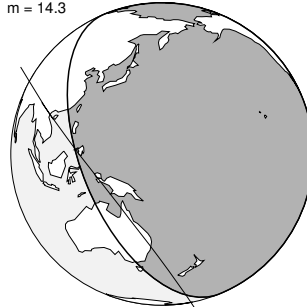
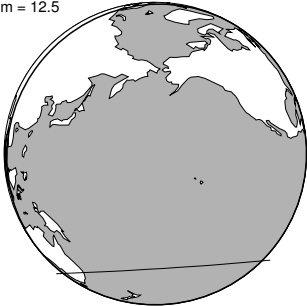
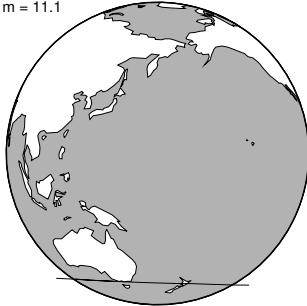
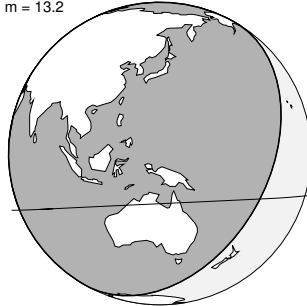
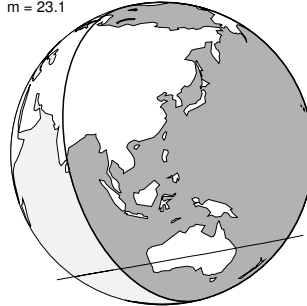
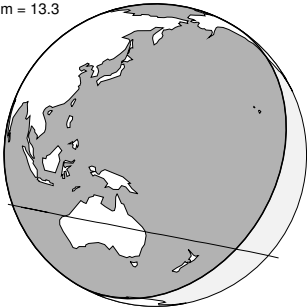
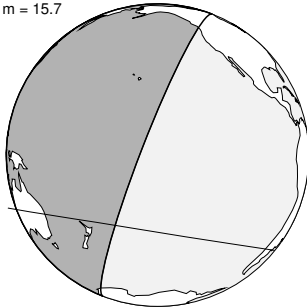
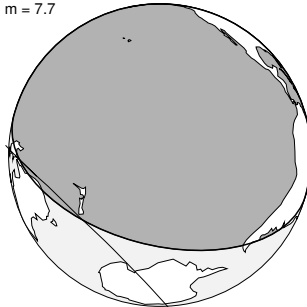
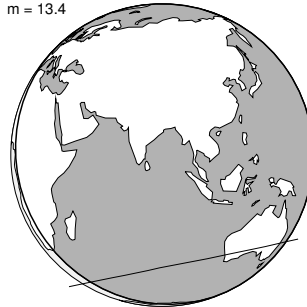
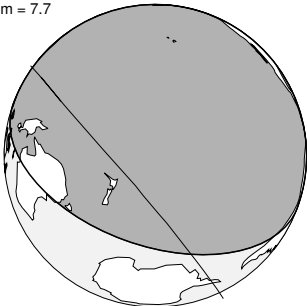
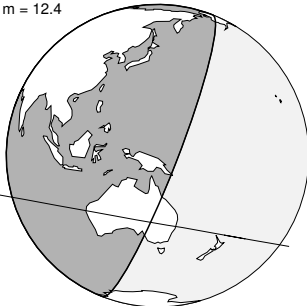
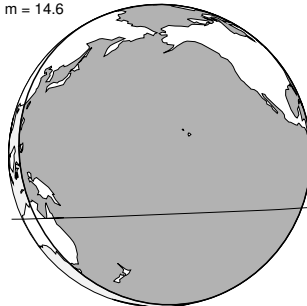
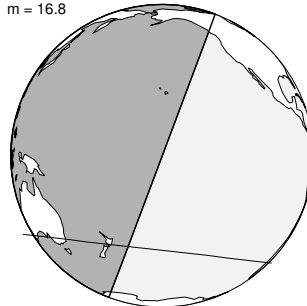


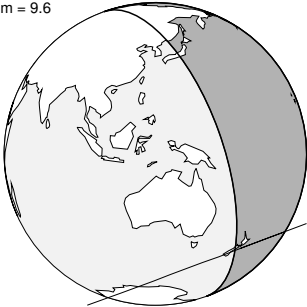
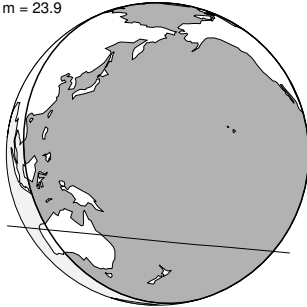
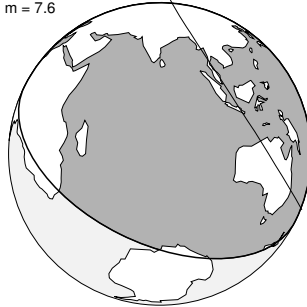
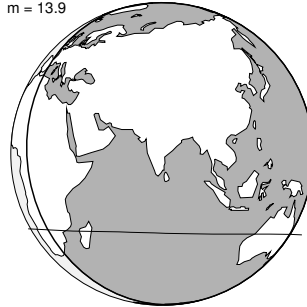
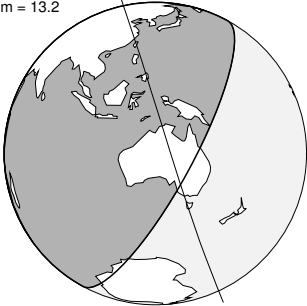
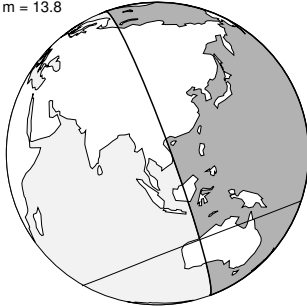
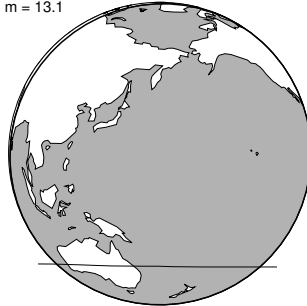
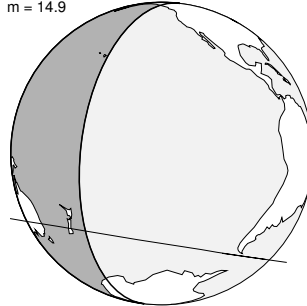
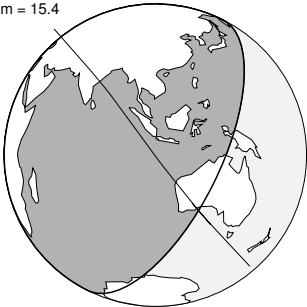
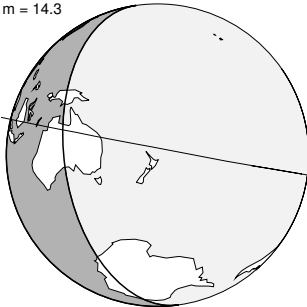
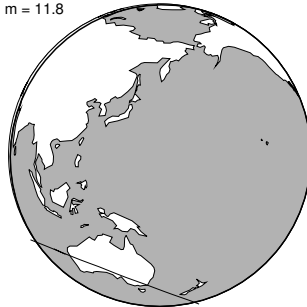
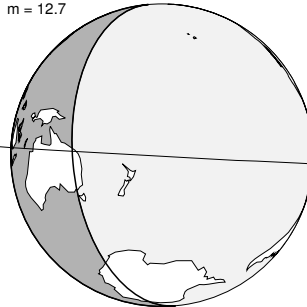
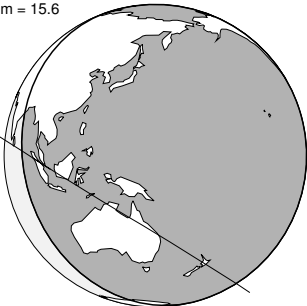
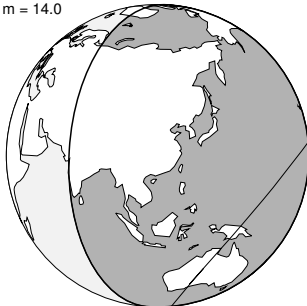
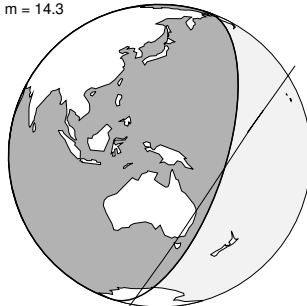
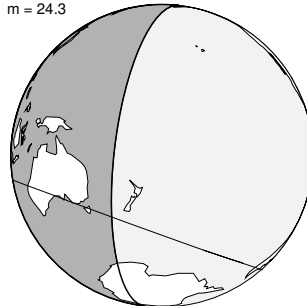
# Occultations by major and minor planets – 2023

# Region 8

<p><b>2023 jan 1 12h37.1m</b> A23_01019 27 Euterpe TYC 0646–00665–1 Diam = 124.0 m = 11.6 m = 10.1</p>  <p>Dur = 34.0s Dmag = 0.2 Sun: 123° Moon: 4°</p>	<p><b>2023 jan 2 16h 8.8m</b> A23_01049 137 Meliboea UCAC5 378–066900 Diam = 150.0 m = 12.5 m = 14.1</p>  <p>Dur = 4.8s Dmag = 1.9 Sun: 61° Moon: 166°</p>	<p><b>2023 jan 2 16h51.0m</b> A23_01074 435 Ella TYC 0274–01051–1 Diam = 43.0 m = 11.4 m = 15.3</p>  <p>Dur = 7.9s Dmag = 3.9 Sun: 108° Moon: 118°</p>	<p><b>2023 jan 3 9h41.6m</b> A23_01056 199 Byblis TYC 0061–00450–1 Diam = 63.0 m = 11.6 m = 14.3</p>  <p>Dur = 8.5s Dmag = 2.7 Sun: 122° Moon: 21°</p>
<p><b>2023 jan 4 10h56.0m</b> A23_01060 224 Oceana PPMX 4020222 Diam = 79.8 m = 12.4 m = 12.5</p>  <p>Dur = 6.5s Dmag = 0.8 Sun: 166° Moon: 18°</p>	<p><b>2023 jan 5 13h13.0m</b> A23_01022 43 Ariadne PPMX 6073303 Diam = 65.3 m = 12.3 m = 11.1</p>  <p>Dur = 4.9s Dmag = 0.3 Sun: 178° Moon: 16°</p>	<p><b>2023 jan 5 17h38.3m</b> A23_01068 377 Campania TYC 0239–02223–1 Diam = 94.0 m = 11.2 m = 13.2</p>  <p>Dur = 17.6s Dmag = 2.1 Sun: 136° Moon: 57°</p>	<p><b>2023 jan 7 12h27.5m</b> A23_01153 2002VV130 TYC 1238–00944–1 Diam = 130.6 m = 10.7 m = 23.1</p>  <p>Dur = 9.7s Dmag = 12.5 Sun: 128° Moon: 58°</p>
<p><b>2023 jan 10 15h48.7m</b> A23_01029 56 Melete TYC 0238–01689–1 Diam = 90.8 m = 9.7 m = 13.3</p>  <p>Dur = 8.9s Dmag = 3.7 Sun: 143° Moon: 15°</p>	<p><b>2023 jan 10 16h10.7m</b> A23_01129 1030 Vitja TYC 5548–01491–1 Diam = 65.5 m = 12.1 m = 15.7</p>  <p>Dur = 3.1s Dmag = 3.6 Sun: 83° Moon: 56°</p>	<p><b>2023 jan 13 8h48.2m</b> A23_01003 2 Pallas UCAC4 298–013468 Diam = 530.9 m = 10.1 m = 7.7</p>  <p>Dur = 50.2s Dmag = 0.1 Sun: 126° Moon: 84°</p>	<p><b>2023 jan 15 17h21.4m</b> A23_01132 1197 Rhodesia UCAC4 510–030006 Diam = 49.0 m = 11.9 m = 13.4</p>  <p>Dur = 4.5s Dmag = 1.8 Sun: 162° Moon: 111°</p>
<p><b>2023 jan 16 9h53.7m</b> A23_01002 2 Pallas UCAC4 300–013437 Diam = 530.9 m = 12.5 m = 7.7</p>  <p>Dur = 47.4s Dmag = 0.0 Sun: 126° Moon: 105°</p>	<p><b>2023 jan 17 19h54.2m</b> A23_01016 17 Thetis TYC 4961–00006–1 Diam = 93.2 m = 10.5 m = 12.4</p>  <p>Dur = 6.1s Dmag = 2.1 Sun: 97° Moon: 42°</p>	<p><b>2023 jan 18 9h48.6m</b> A23_01133 1243 Pamela HIP 30752 Diam = 75.5 m = 8.4 m = 14.6</p>  <p>Dur = 6.0s Dmag = 6.2 Sun: 156° Moon: 149°</p>	<p><b>2023 jan 18 16h31.2m</b> A23_01134 1271 Isergina TYC 4971–01081–1 Diam = 49.5 m = 10.8 m = 16.8</p>  <p>Dur = 3.4s Dmag = 6.0 Sun: 90° Moon: 46°</p>

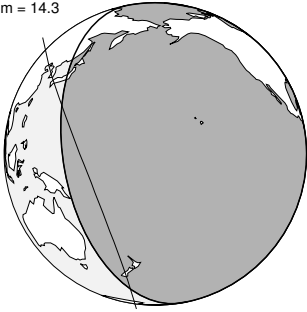
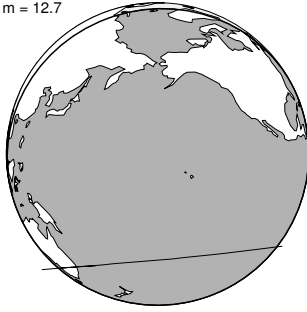
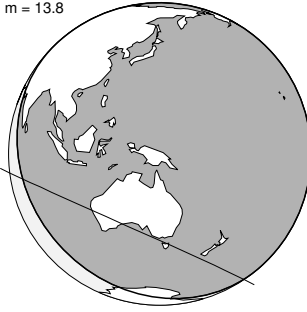
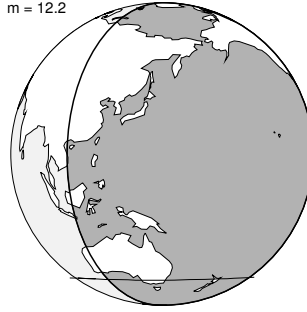
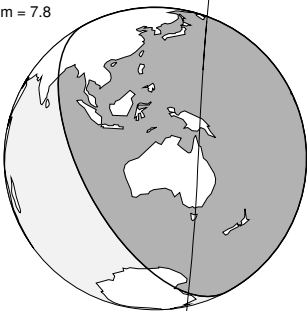
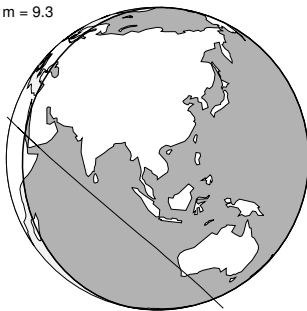
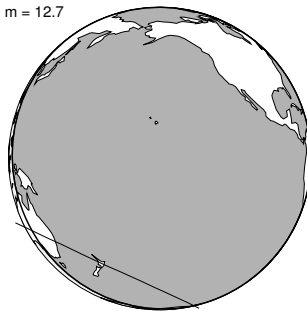
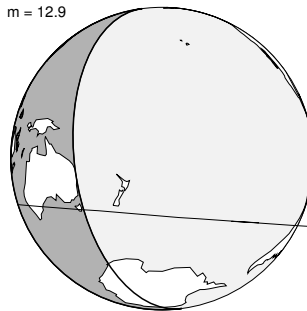
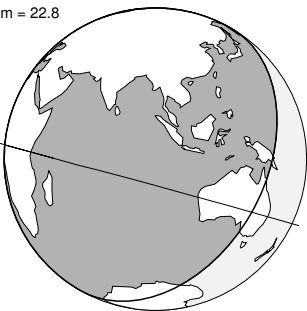
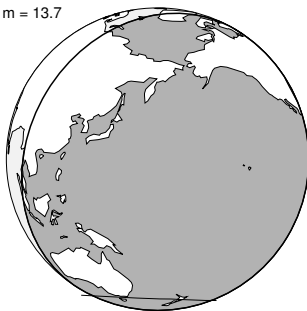
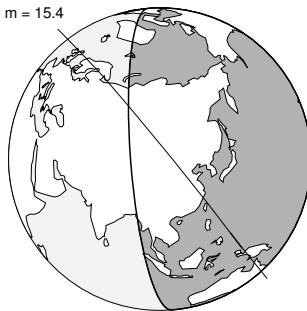
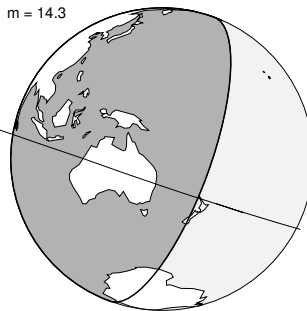
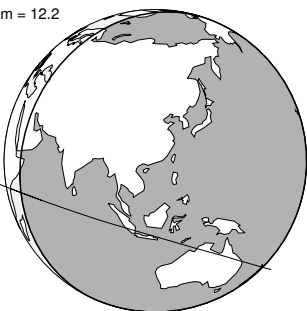
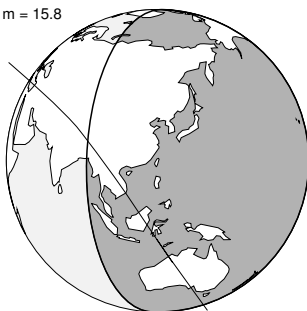
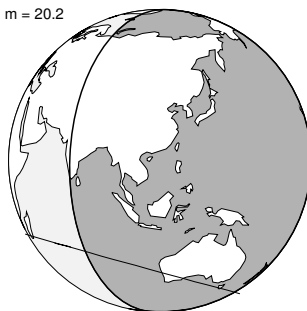
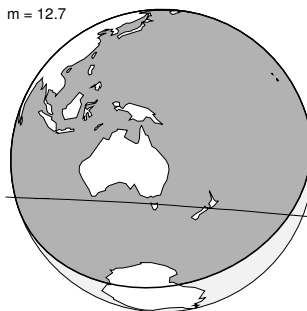
# Occultations by major and minor planets – 2023

# Region 8

<p><b>2023 jan 20 7h60.0m</b> A23_01006 3 Juno UCAC5 423-000442 Diam = 257.6 m = 12.4 m = 9.6</p>  <p>Dur = 7.9s Dmag = 0.1 Sun: 63° Moon: 85°</p>	<p><b>2023 jan 20 10h44.5m</b> B23_01007 2004VM131 UCAC4 514-020633 Diam = 87.1 m = 14.5 m = 23.9</p>  <p>Dur = 4.0s Dmag = 9.5 Sun: 150° Moon: 163°</p>	<p><b>2023 jan 20 17h22.0m</b> A23_01004 2 Pallas TYC 6520-02128-1 Diam = 530.9 m = 9.7 m = 7.6</p>  <p>Dur = 43.9s Dmag = 0.2 Sun: 126° Moon: 123°</p>	<p><b>2023 jan 23 17h 2.4m</b> A23_01103 701 Oriola UCAC4 533-027539 Diam = 46.0 m = 11.8 m = 13.9</p>  <p>Dur = 4.4s Dmag = 2.2 Sun: 152° Moon: 126°</p>
<p><b>2023 jan 23 19h53.4m</b> A23_01073 426 Hippo UCAC5 337-062077 Diam = 134.0 m = 12.4 m = 13.2</p>  <p>Dur = 8.9s Dmag = 1.2 Sun: 104° Moon: 129°</p>	<p><b>2023 jan 29 10h37.5m</b> A23_01030 83 Beatrix UCAC4 527-003648 Diam = 84.0 m = 12.0 m = 13.8</p>  <p>Dur = 4.5s Dmag = 2.0 Sun: 85° Moon: 14°</p>	<p><b>2023 jan 29 12h55.0m</b> A23_01032 84 Klio TYC 1931-01165-1 Diam = 83.0 m = 10.9 m = 13.1</p>  <p>Dur = 6.0s Dmag = 2.3 Sun: 168° Moon: 70°</p>	<p><b>2023 jan 30 16h54.7m</b> A23_01039 104 Klymene Gaia 067-0151098 Diam = 127.0 m = 7.6 m = 14.9</p>  <p>Dur = 4.2s Dmag = 7.3 Sun: 57° Moon: 171°</p>
<p><b>2023 jan 31 21h 3.7m</b> A23_01136 1315 Bronislawa TYC 5541-01296-1 Diam = 65.5 m = 10.1 m = 15.4</p>  <p>Dur = 16.2s Dmag = 5.3 Sun: 115° Moon: 118°</p>	<p><b>2023 feb 5 20h45.2m</b> A23_02026 98 lanthe TYC 7388-00501-1 Diam = 109.0 m = 8.7 m = 14.3</p>  <p>Dur = 3.0s Dmag = 5.7 Sun: 51° Moon: 128°</p>	<p><b>2023 feb 7 13h16.0m</b> A23_02057 261 Prymno TYC 1399-00230-1 Diam = 52.6 m = 9.9 m = 11.8</p>  <p>Dur = 5.9s Dmag = 2.1 Sun: 169° Moon: 29°</p>	<p><b>2023 feb 8 19h44.1m</b> A23_02017 54 Alexandra HIP 86650 Diam = 171.0 m = 7.8 m = 12.7</p>  <p>Dur = 4.4s Dmag = 5.0 Sun: 53° Moon: 94°</p>
<p><b>2023 feb 11 12h14.2m</b> A23_02101 805 Hormuthia TYC 0191-00967-1 Diam = 73.0 m = 12.1 m = 15.6</p>  <p>Dur = 4.9s Dmag = 3.5 Sun: 150° Moon: 90°</p>	<p><b>2023 feb 11 13h 2.5m</b> A23_02095 665 Sabine TYC 1875-00603-1 Diam = 56.1 m = 10.9 m = 14.0</p>  <p>Dur = 7.8s Dmag = 3.1 Sun: 125° Moon: 118°</p>	<p><b>2023 feb 11 19h10.7m</b> A23_02099 754 Malabar UCAC4 423-060028 Diam = 89.1 m = 12.3 m = 14.3</p>  <p>Dur = 9.4s Dmag = 2.2 Sun: 115° Moon: 6°</p>	<p><b>2023 feb 12 18h39.5m</b> A23_02132 118379 1999HC12 TYC 6800-01411-1 Diam = 125.9 m = 11.5 m = 24.3</p>  <p>Dur = 8.7s Dmag = 12.8 Sun: 71° Moon: 30°</p>

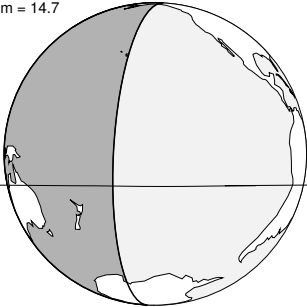
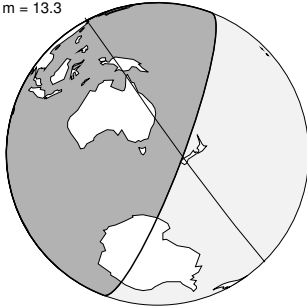
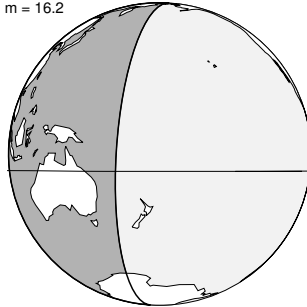
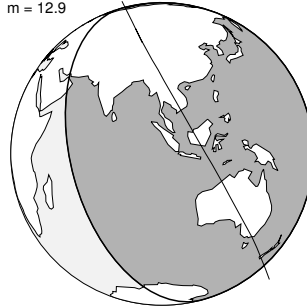
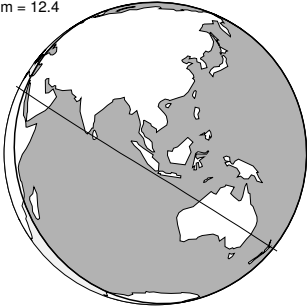
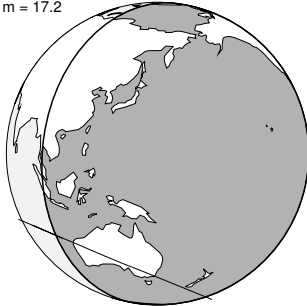
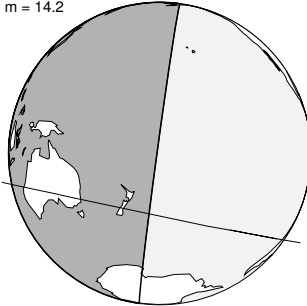
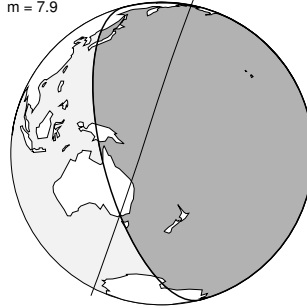
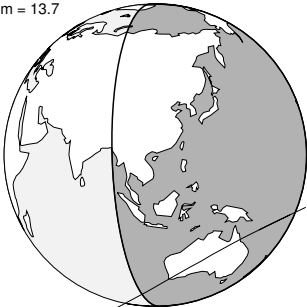
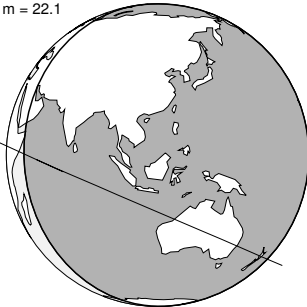
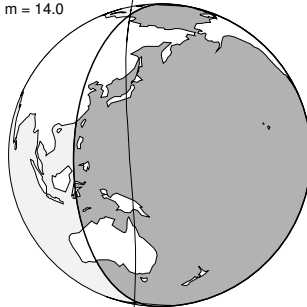
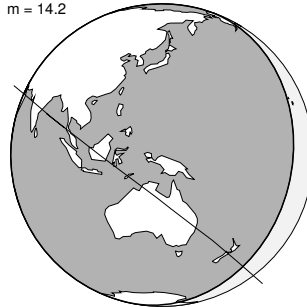
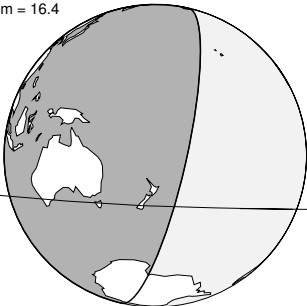
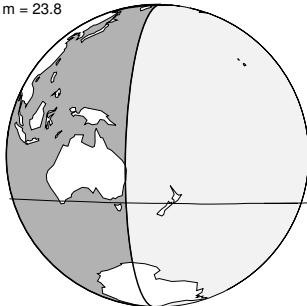
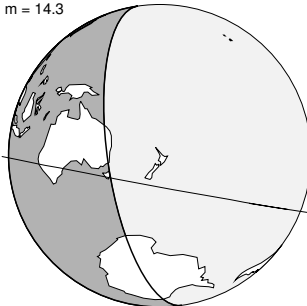
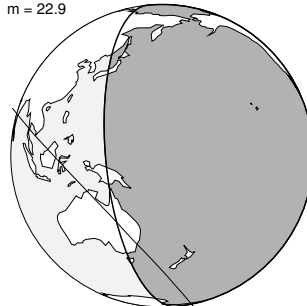
# Occultations by major and minor planets – 2023

# Region 8

<p><b>2023 feb 14 8h19.2m</b> A23_02062 286 Iclea UCAC4 491-022616 Diam = 96.5 m = 12.4 m = 14.3</p>  <p>Dur = 10.1s Dmag = 2.1 Sun: 127° Moon: 145°</p>	<p><b>2023 feb 15 11h 7.2m</b> A23_02068 328 Gudrun TYC 1958-00022-1 Diam = 120.0 m = 12.3 m = 12.7</p>  <p>Dur = 9.3s Dmag = 1.0 Sun: 162° Moon: 124°</p>	<p><b>2023 feb 15 13h20.1m</b> A23_02108 957 Camelia TYC 4870-00782-1 Diam = 76.6 m = 11.6 m = 13.8</p>  <p>Dur = 7.0s Dmag = 2.3 Sun: 153° Moon: 123°</p>	<p><b>2023 feb 16 10h46.8m</b> A23_02013 43 Ariadne UCAC4 555-027524 Diam = 65.3 m = 9.8 m = 12.2</p>  <p>Dur = 20.1s Dmag = 2.6 Sun: 128° Moon: 173°</p>
<p><b>2023 feb 16 12h20.3m</b> A23_02004 2 Pallas UCAC4 349-014057 Diam = 530.9 m = 11.8 m = 7.8</p>  <p>Dur = 31.0s Dmag = 0.0 Sun: 119° Moon: 132°</p>	<p><b>2023 feb 16 15h23.8m</b> A23_02005 6 Hebe TYC 1377-00840-1 Diam = 186.0 m = 11.3 m = 9.3</p>  <p>Dur = 17.5s Dmag = 0.2 Sun: 153° Moon: 154°</p>	<p><b>2023 feb 18 9h38.9m</b> A23_02074 377 Campania TYC 0233-01267-1 Diam = 94.0 m = 8.3 m = 12.7</p>  <p>Dur = 8.0s Dmag = 4.3 Sun: 166° Moon: 158°</p>	<p><b>2023 feb 18 19h34.6m</b> A23_02045 187 Lamberta TYC 7393-00380-1 Diam = 135.0 m = 9.5 m = 12.9</p>  <p>Dur = 3.6s Dmag = 3.5 Sun: 54° Moon: 33°</p>
<p><b>2023 feb 19 20h21.2m</b> B23_02005 538691 2016FW59 UCAC4 395-054227 Diam = 251.2 m = 14.3 m = 22.8</p>  <p>Dur = 14.2s Dmag = 8.4 Sun: 136° Moon: 130°</p>	<p><b>2023 feb 20 11h30.3m</b> A23_02083 494 Virtus TYC 1947-01369-1 Diam = 89.1 m = 10.3 m = 13.7</p>  <p>Dur = 8.6s Dmag = 3.5 Sun: 149° Moon: 148°</p>	<p><b>2023 feb 20 11h46.6m</b> A23_02105 911 Agamemnon TYC 2892-00363-1 Diam = 175.0 m = 9.5 m = 15.4</p>  <p>Dur = 13.0s Dmag = 5.9 Sun: 101° Moon: 100°</p>	<p><b>2023 feb 20 18h11.3m</b> A23_02061 284 Amalia TYC 6165-00618-1 Diam = 55.1 m = 11.2 m = 14.3</p>  <p>Dur = 5.4s Dmag = 3.1 Sun: 108° Moon: 114°</p>
<p><b>2023 feb 22 14h51.8m</b> A23_02058 261 Prymno UCAC4 566-043456 Diam = 52.6 m = 11.8 m = 12.2</p>  <p>Dur = 8.5s Dmag = 1.0 Sun: 151° Moon: 120°</p>	<p><b>2023 feb 24 11h54.0m</b> A23_02117 1297 Quadea UCAC4 572-026365 Diam = 66.0 m = 11.0 m = 15.8</p>  <p>Dur = 15.9s Dmag = 4.8 Sun: 117° Moon: 62°</p>	<p><b>2023 feb 25 13h 0.1m</b> B23_02001 60558 Echeclus UCAC4 544-035507 Diam = 61.1 m = 14.8 m = 20.2</p>  <p>Dur = 5.6s Dmag = 5.5 Sun: 126° Moon: 58°</p>	<p><b>2023 feb 26 14h48.9m</b> A23_02096 683 Lanzia UCAC5 328-061264 Diam = 116.0 m = 12.5 m = 12.7</p>  <p>Dur = 10.8s Dmag = 0.9 Sun: 145° Moon: 118°</p>

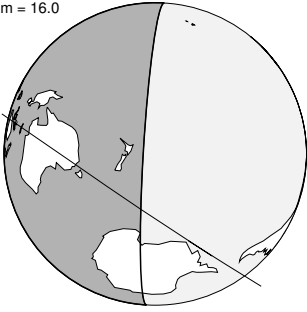
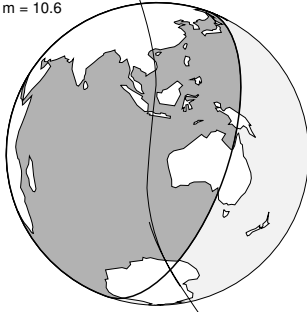
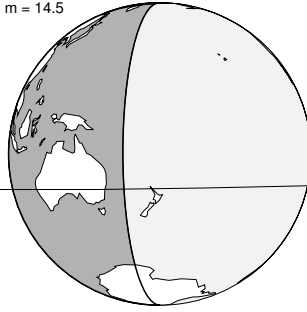
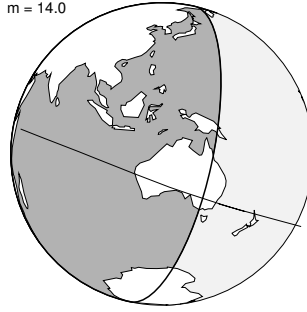
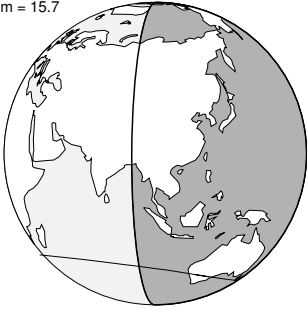
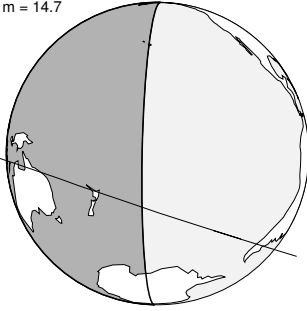
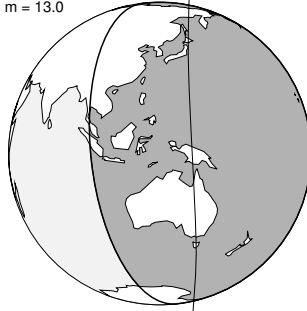
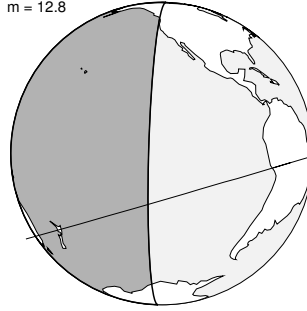
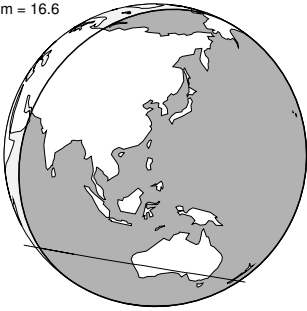
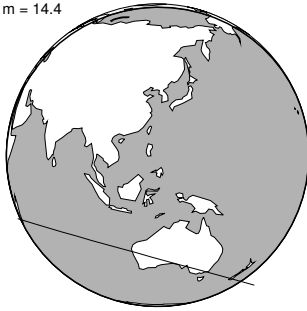
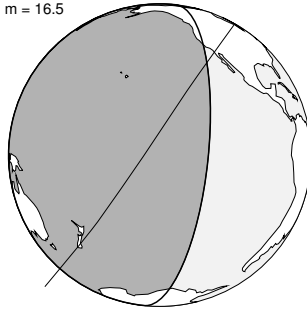
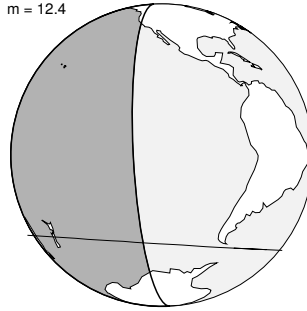
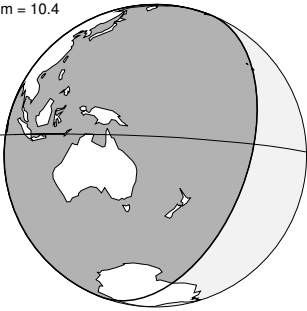
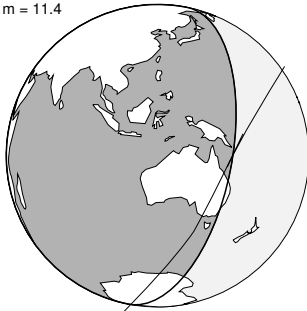
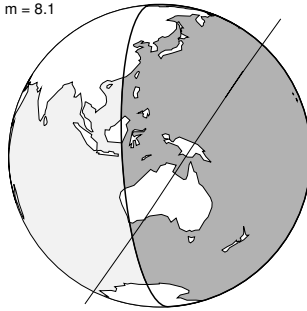
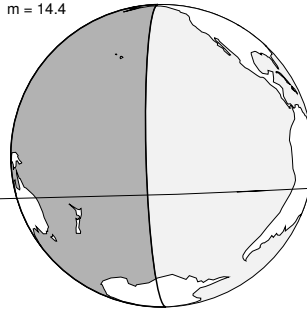
# Occultations by major and minor planets – 2023

# Region 8

<p><b>2023 feb 26 16h44.7m</b> A23_02021 76 Freia UCAC5 341-094390 Diam = 190.0 m = 12.3 m = 14.7</p>  <p>Dur = 8.7s Dmag = 2.5 Sun: 73° Moon: 156°</p>	<p><b>2023 feb 27 18h30.5m</b> A23_02106 925 Alphonsina UCAC5 233-082131 Diam = 57.0 m = 12.4 m = 13.3</p>  <p>Dur = 4.0s Dmag = 1.2 Sun: 99° Moon: 154°</p>	<p><b>2023 feb 27 19h 5.7m</b> A23_02077 414 Liriopé UCAC4 363-106521 Diam = 75.2 m = 12.0 m = 16.2</p>  <p>Dur = 3.2s Dmag = 4.2 Sun: 73° Moon: 165°</p>	<p><b>2023 feb 28 14h11.3m</b> A23_02011 25 Phocaea TYC 4828-00607-1 Diam = 78.0 m = 12.9</p>  <p>Dur = 7.1s Dmag = 1.3 Sun: 127° Moon: 43°</p>
<p><b>2023 feb 28 15h48.5m</b> A23_02023 85 Io UCAC4 454-046322 Diam = 178.0 m = 11.8 m = 12.4</p>  <p>Dur = 12.4s Dmag = 1.0 Sun: 157° Moon: 60°</p>	<p><b>2023 mar 1 11h25.6m</b> A23_03157 794 Irenaea UCAC4 534-045038 Diam = 41.0 m = 11.6 m = 17.2</p>  <p>Dur = 3.7s Dmag = 5.7 Sun: 139° Moon: 27°</p>	<p><b>2023 mar 1 17h20.4m</b> A23_03045 91 Aegina UCAC4 332-082207 Diam = 114.0 m = 11.6 m = 14.2</p>  <p>Dur = 6.9s Dmag = 2.7 Sun: 88° Moon: 154°</p>	<p><b>2023 mar 2 8h55.7m</b> A23_03002 2 Pallas TYC 5377-03277-1 Diam = 530.9 m = 7.9</p>  <p>Dur = 27.3s Dmag = 0.0 Sun: 113° Moon: 43°</p>
<p><b>2023 mar 2 11h53.1m</b> A23_03051 100 Hekate TYC 1307-00399-1 Diam = 92.0 m = 11.8 m = 13.7</p>  <p>Dur = 15.2s Dmag = 2.1 Sun: 106° Moon: 20°</p>	<p><b>2023 mar 2 14h43.3m</b> B23_03014 2014YD50 UCAC4 481-045967 Diam = 182.0 m = 14.3 m = 22.1</p>  <p>Dur = 8.8s Dmag = 7.9 Sun: 152° Moon: 32°</p>	<p><b>2023 mar 4 10h10.6m</b> A23_03068 191 Kolga TYC 0774-00374-1 Diam = 105.0 m = 12.1 m = 14.0</p>  <p>Dur = 17.9s Dmag = 2.1 Sun: 124° Moon: 25°</p>	<p><b>2023 mar 5 16h58.0m</b> A23_03093 301 Bavaria TYC 4957-00790-1 Diam = 55.5 m = 10.9 m = 14.2</p>  <p>Dur = 7.0s Dmag = 3.3 Sun: 149° Moon: 50°</p>
<p><b>2023 mar 5 17h19.0m</b> A23_03181 1574 Meyer UCAC4 321-082072 Diam = 64.2 m = 12.3 m = 16.4</p>  <p>Dur = 7.2s Dmag = 4.1 Sun: 101° Moon: 98°</p>	<p><b>2023 mar 5 19h47.2m</b> B23_03003 88267 2001KE76 UCAC5 335-109932 Diam = 151.4 m = 14.9 m = 23.8</p>  <p>Dur = 13.4s Dmag = 8.8 Sun: 77° Moon: 121°</p>	<p><b>2023 mar 5 19h56.5m</b> A23_03050 98 Ianthe UCAC4 262-170219 Diam = 109.0 m = 12.0 m = 14.3</p>  <p>Dur = 4.0s Dmag = 2.5 Sun: 69° Moon: 130°</p>	<p><b>2023 mar 6 8h47.9m</b> B23_03011 2005TV189 UCAC5 460-018529 Diam = 131.8 m = 14.9 m = 22.9</p>  <p>Dur = 12.6s Dmag = 8.0 Sun: 111° Moon: 58°</p>

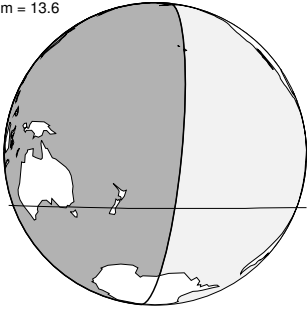
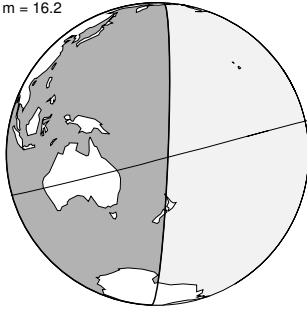
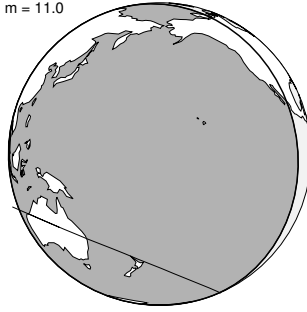
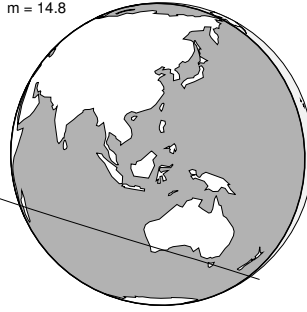
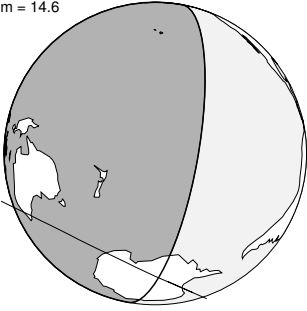
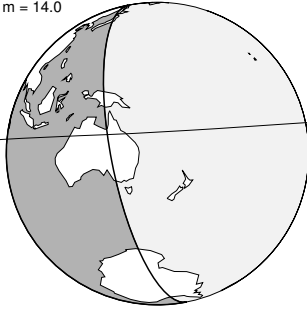
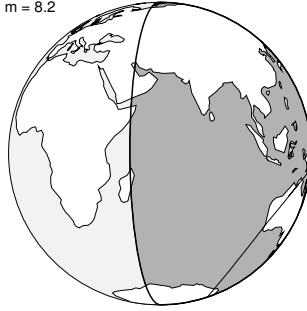
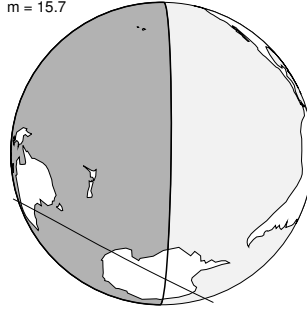
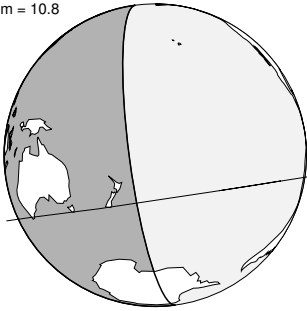
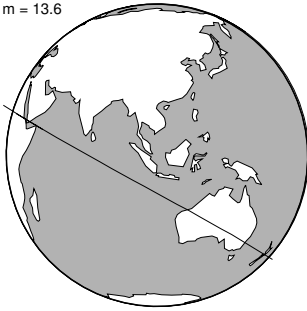
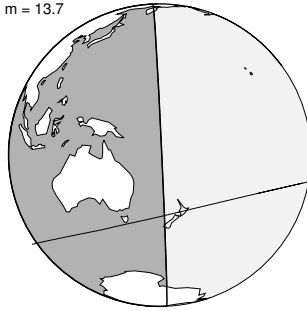
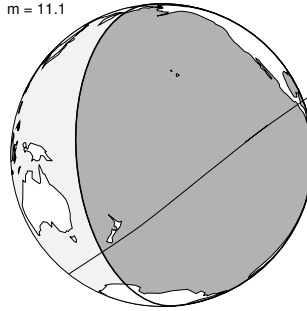
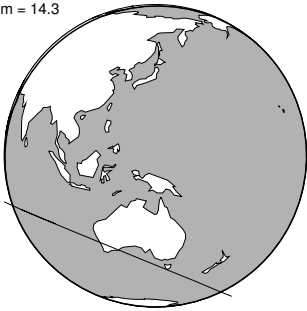
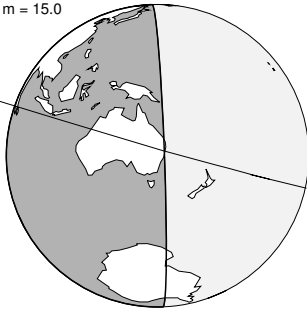
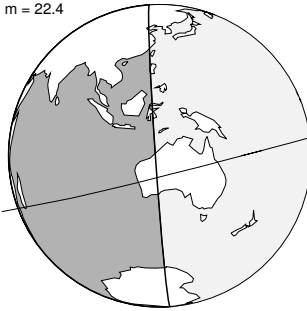
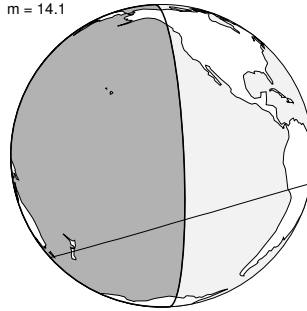
# Occultations by major and minor planets – 2023

# Region 8

<p><b>2023 mar 6 17h39.3m</b> A23_03168 1005 Arago TYC 7878–01118–1 Diam = 62.7 m = 11.1 m = 16.0</p>  <p>Dur = 3.2s Dmag = 4.9 Sun: 85° Moon: 104°</p>	<p><b>2023 mar 6 20h41.4m</b> A23_03016 7 Iris UCAC4 339–069785 Diam = 329.6 m = 11.7 m = 10.6</p>  <p>Dur = 266.6s Dmag = 0.3 Sun: 117° Moon: 70°</p>	<p><b>2023 mar 7 19h14.8m</b> A23_03112 431 Nephela UCAC5 340–112517 Diam = 97.7 m = 12.5 m = 14.5</p>  <p>Dur = 3.9s Dmag = 2.2 Sun: 75° Moon: 101°</p>	<p><b>2023 mar 7 20h21.5m</b> A23_03087 245 Vera TYC 6189–01147–1 Diam = 84.8 m = 10.5 m = 14.0</p>  <p>Dur = 21.5s Dmag = 3.6 Sun: 109° Moon: 67°</p>
<p><b>2023 mar 11 12h 4.1m</b> A23_03139 615 Roswitha TYC 1871–00986–1 Diam = 49.5 m = 12.3 m = 15.7</p>  <p>Dur = 4.8s Dmag = 3.4 Sun: 98° Moon: 127°</p>	<p><b>2023 mar 11 16h38.3m</b> A23_03161 886 Washingtonia TYC 6836–00983–1 Diam = 93.3 m = 9.9 m = 14.7</p>  <p>Dur = 4.7s Dmag = 4.9 Sun: 84° Moon: 48°</p>	<p><b>2023 mar 12 11h28.1m</b> A23_03027 25 Phocaea UCAC4 425–032535 Diam = 78.0 m = 11.7 m = 13.0</p>  <p>Dur = 7.7s Dmag = 1.6 Sun: 117° Moon: 113°</p>	<p><b>2023 mar 13 14h39.7m</b> A23_03108 393 Lampetia UCAC4 371–104741 Diam = 106.0 m = 10.8 m = 12.8</p>  <p>Dur = 4.1s Dmag = 2.2 Sun: 84° Moon: 26°</p>
<p><b>2023 mar 15 14h12.3m</b> A23_03175 1354 Botha UCAC4 549–048045 Diam = 52.5 m = 12.1 m = 16.6</p>  <p>Dur = 4.4s Dmag = 4.5 Sun: 149° Moon: 127°</p>	<p><b>2023 mar 15 15h43.3m</b> A23_03176 1424 Sundmania UCAC4 522–051325 Diam = 74.0 m = 8.7 m = 14.4</p>  <p>Dur = 5.2s Dmag = 5.6 Sun: 167° Moon: 105°</p>	<p><b>2023 mar 16 14h18.8m</b> A23_03184 2235 Vittore TYC 5634–01251–1 Diam = 54.6 m = 11.7 m = 16.5</p>  <p>Dur = 5.7s Dmag = 4.8 Sun: 108° Moon: 41°</p>	<p><b>2023 mar 16 14h23.6m</b> A23_03073 196 Philomela UCAC4 331–159367 Diam = 146.0 m = 12.3 m = 12.4</p>  <p>Dur = 6.5s Dmag = 0.8 Sun: 79° Moon: 10°</p>
<p><b>2023 mar 16 16h33.9m</b> A23_03017 7 Iris UCAC4 339–069723 Diam = 329.6 m = 12.0 m = 10.4</p>  <p>Dur = 90.8s Dmag = 0.2 Sun: 127° Moon: 59°</p>	<p><b>2023 mar 16 20h 0.8m</b> A23_03023 16 Psyche UCAC4 371–072053 Diam = 264.0 m = 12.1 m = 11.4</p>  <p>Dur = 143.9s Dmag = 0.5 Sun: 119° Moon: 53°</p>	<p><b>2023 mar 18 10h25.3m</b> A23_03008 2 Pallas UCAC4 407–018782 Diam = 530.9 m = 12.3 m = 8.1</p>  <p>Dur = 24.0s Dmag = 0.0 Sun: 104° Moon: 135°</p>	<p><b>2023 mar 18 15h48.5m</b> A23_03113 431 Nephela UCAC4 340–129526 Diam = 97.7 m = 11.9 m = 14.4</p>  <p>Dur = 4.6s Dmag = 2.6 Sun: 83° Moon: 42°</p>

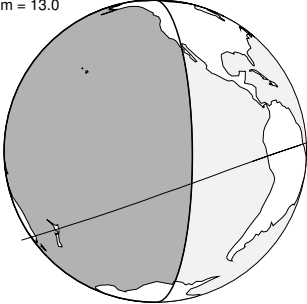
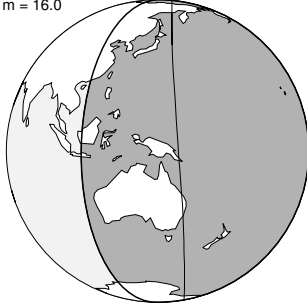
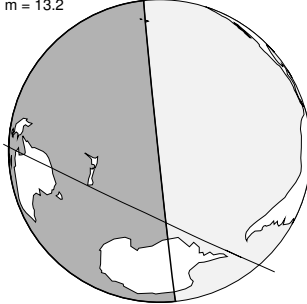
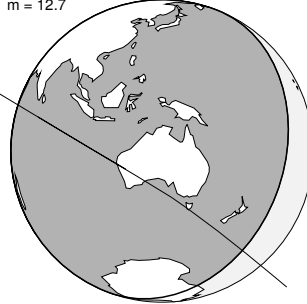
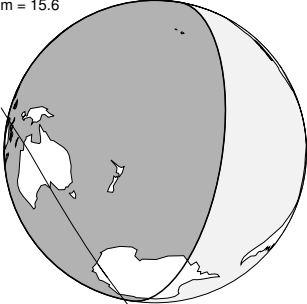
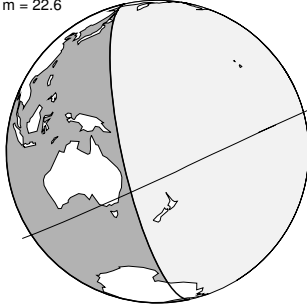
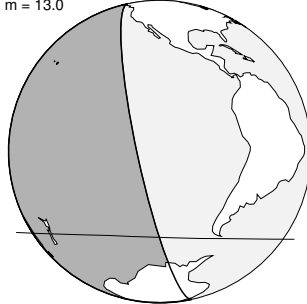
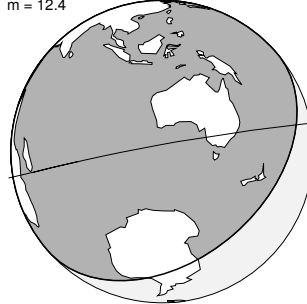
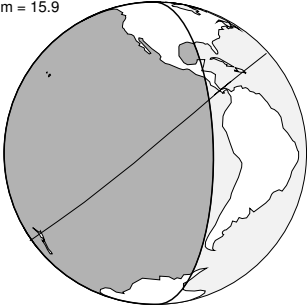
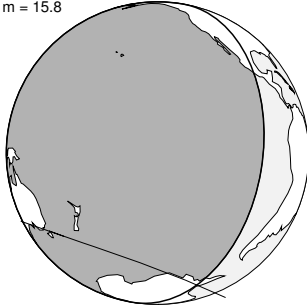
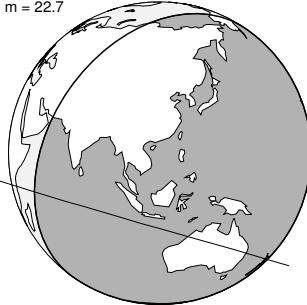
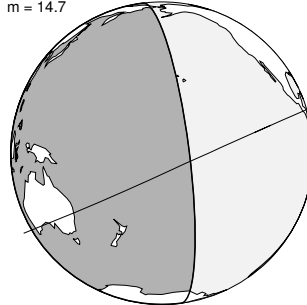
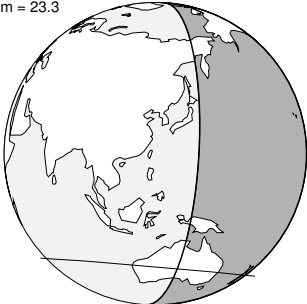
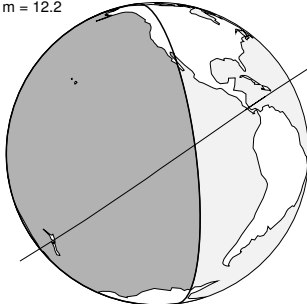
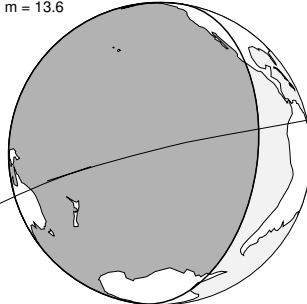
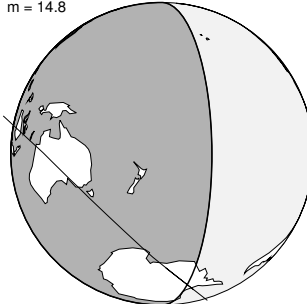
# Occultations by major and minor planets – 2023

# Region 8

<p><b>2023 mar 18 16h32.4m</b> A23_03156 774 Armor TYC 6815–00487–1 Diam = 57.0 m = 11.9 m = 13.6</p>  <p>Dur = 4.1s Dmag = 1.8 Sun: 99° Moon: 58°</p>	<p><b>2023 mar 18 18h31.9m</b> A23_03185 2393 Suzuki TYC 6243–00049–1 Diam = 50.8 m = 10.0 m = 16.2</p>  <p>Dur = 3.2s Dmag = 6.3 Sun: 93° Moon: 54°</p>	<p><b>2023 mar 19 13h17.3m</b> A23_03026 22 Kalliope TYC 0892–00194–1 Diam = 187.0 m = 11.1 m = 11.0</p>  <p>Dur = 15.5s Dmag = 0.7 Sun: 155° Moon: 131°</p>	<p><b>2023 mar 20 17h19.7m</b> A23_03151 735 Marghanna TYC 0305–00884–1 Diam = 77.0 m = 10.0 m = 14.8</p>  <p>Dur = 4.8s Dmag = 4.8 Sun: 160° Moon: 150°</p>
<p><b>2023 mar 22 15h21.3m</b> A23_03131 576 Emanuela UCAC4 284–096596 Diam = 86.0 m = 12.1 m = 14.6</p>  <p>Dur = 8.8s Dmag = 2.6 Sun: 106° Moon: 118°</p>	<p><b>2023 mar 22 20h45.4m</b> A23_03082 209 Dido UCAC4 307–261122 Diam = 149.0 m = 10.7 m = 14.0</p>  <p>Dur = 5.6s Dmag = 3.4 Sun: 72° Moon: 87°</p>	<p><b>2023 mar 23 14h50.5m</b> A23_03011 2 Pallas UCAC4 416–022314 Diam = 530.9 m = 12.4 m = 8.2</p>  <p>Dur = 23.1s Dmag = 0.0 Sun: 101° Moon: 79°</p>	<p><b>2023 mar 24 15h46.0m</b> A23_03070 193 Ambrosia PPMX 13686558 Diam = 48.3 m = 11.7 m = 15.7</p>  <p>Dur = 3.7s Dmag = 4.1 Sun: 93° Moon: 131°</p>
<p><b>2023 mar 25 17h56.1m</b> A23_03022 15 Eunia UCAC4 309–245912 Diam = 272.0 m = 11.1 m = 10.8</p>  <p>Dur = 12.5s Dmag = 0.6 Sun: 80° Moon: 132°</p>	<p><b>2023 mar 26 17h29.2m</b> A23_03094 301 Bavaria TYC 0290–00544–1 Diam = 55.5 m = 12.3 m = 13.6</p>  <p>Dur = 4.9s Dmag = 1.6 Sun: 172° Moon: 122°</p>	<p><b>2023 mar 27 19h 7.2m</b> A23_03034 34 Circe UCAC4 362–140154 Diam = 118.0 m = 11.8 m = 13.7</p>  <p>Dur = 7.2s Dmag = 2.1 Sun: 90° Moon: 163°</p>	<p><b>2023 mar 28 7h11.0m</b> A23_03143 654 Zelinda UCAC4 389–046302 Diam = 132.0 m = 11.8 m = 11.1</p>  <p>Dur = 32.6s Dmag = 0.5 Sun: 124° Moon: 58°</p>
<p><b>2023 mar 28 14h20.6m</b> A23_03132 580 Selene UCAC4 477–050485 Diam = 54.7 m = 11.7 m = 14.3</p>  <p>Dur = 4.1s Dmag = 2.7 Sun: 169° Moon: 87°</p>	<p><b>2023 mar 28 20h 0.8m</b> A23_03054 109 Felicitas UCAC5 294–173793 Diam = 91.0 m = 12.3 m = 15.0</p>  <p>Dur = 6.9s Dmag = 2.8 Sun: 92° Moon: 176°</p>	<p><b>2023 mar 28 22h 0.7m</b> B23_03013 2014JV80 UCAC4 355–156387 Diam = 125.9 m = 13.8 m = 22.4</p>  <p>Dur = 15.8s Dmag = 8.7 Sun: 88° Moon: 171°</p>	<p><b>2023 mar 29 14h31.3m</b> A23_03150 729 Watsonia UCAC4 424–074848 Diam = 53.3 m = 12.3 m = 14.1</p>  <p>Dur = 4.0s Dmag = 2.0 Sun: 98° Moon: 153°</p>

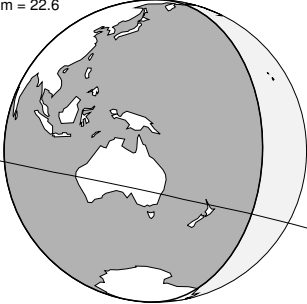
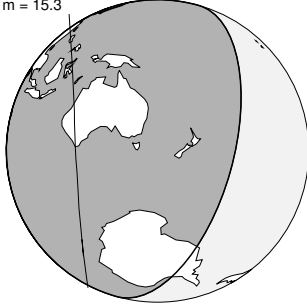
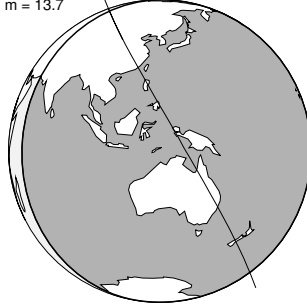
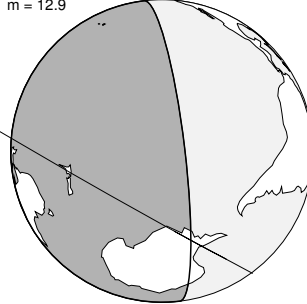
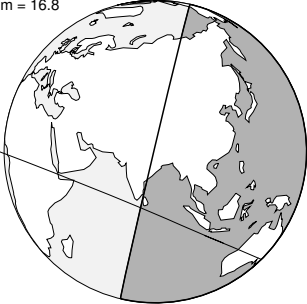
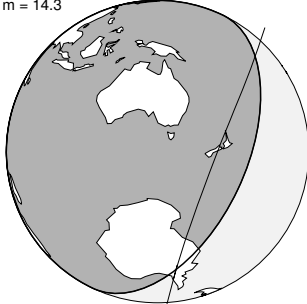
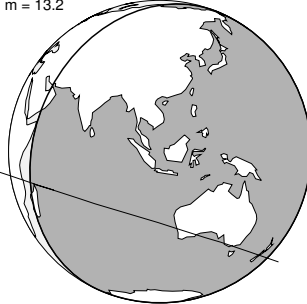
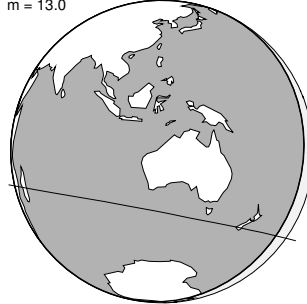
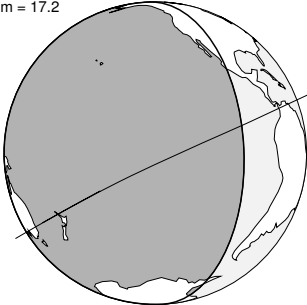
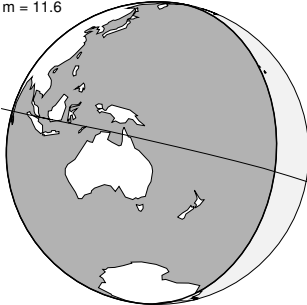
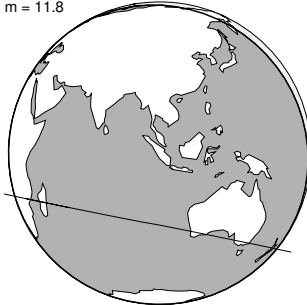
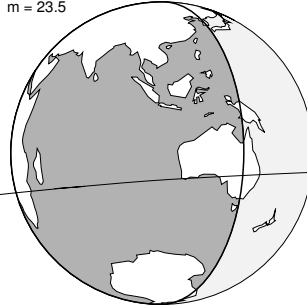
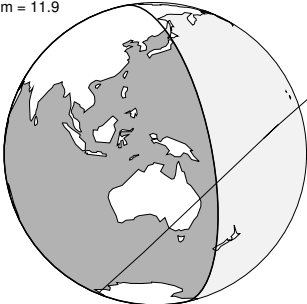
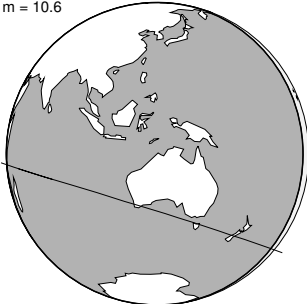
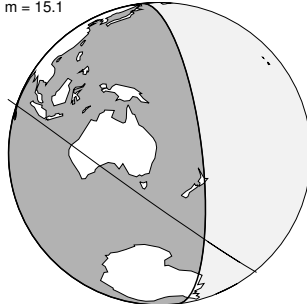
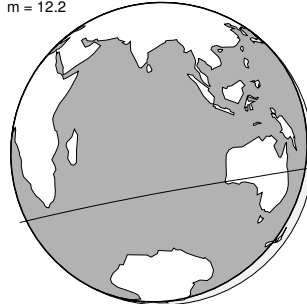
# Occultations by major and minor planets – 2023

# Region 8

<p><b>2023 mar 30 13h36.7m</b> A23_03075 202 Chryseïs UCAC4 381-088636 Diam = 85.5 m = 12.2 m = 13.0</p>  <p>Dur = 9.8s Dmag = 1.2 Sun: 104° Moon: 146°</p>	<p><b>2023 mar 31 10h40.4m</b> A23_03166 978 Aidamina TYC 4875-01461-1 Diam = 82.5 m = 10.5 m = 16.0</p>  <p>Dur = 7.4s Dmag = 5.4 Sun: 120° Moon: 31°</p>	<p><b>2023 mar 31 16h22.6m</b> A23_03100 326 Tamara UCAC4 251-179260 Diam = 100.0 m = 12.1 m = 13.2</p>  <p>Dur = 4.0s Dmag = 1.4 Sun: 89° Moon: 151°</p>	<p><b>2023 apr 3 17h26.4m</b> A23_04067 336 Lacadiera UCAC4 345-073636 Diam = 72.0 m = 12.7</p>  <p>Dur = 21.0s Dmag = 0.9 Sun: 143° Moon: 65°</p>
<p><b>2023 apr 7 15h20.5m</b> A23_04109 829 Academia TYC 7366-00317-1 Diam = 44.0 m = 10.9 m = 15.6</p>  <p>Dur = 7.7s Dmag = 4.8 Sun: 116° Moon: 47°</p>	<p><b>2023 apr 7 19h54.5m</b> B23_04007 583751 2016NZ90 UCAC4 356-193568 Diam = 169.0 m = 14.1 m = 22.6</p>  <p>Dur = 12.9s Dmag = 8.5 Sun: 76° Moon: 84°</p>	<p><b>2023 apr 8 14h12.6m</b> A23_04031 87 Sylvia UCAC4 323-214686 Diam = 271.0 m = 12.4 m = 13.0</p>  <p>Dur = 12.5s Dmag = 1.1 Sun: 81° Moon: 70°</p>	<p><b>2023 apr 8 17h57.3m</b> A23_04101 702 Alauda UCAC4 232-077997 Diam = 202.0 m = 12.4</p>  <p>Dur = 23.7s Dmag = 0.7 Sun: 136° Moon: 25°</p>
<p><b>2023 apr 9 11h46.2m</b> A23_04128 2393 Suzuki UCAC4 360-116177 Diam = 50.8 m = 11.8 m = 15.9</p>  <p>Dur = 6.6s Dmag = 4.2 Sun: 112° Moon: 28°</p>	<p><b>2023 apr 11 12h28.8m</b> A23_04123 1256 Normannia Gaia 069-0144511 Diam = 78.0 m = 10.3 m = 15.8</p>  <p>Dur = 14.0s Dmag = 5.5 Sun: 133° Moon: 20°</p>	<p><b>2023 apr 12 14h13.1m</b> A23_04131 524049 2000CQ105 TYC 1430-00917-1 Diam = 229.1 m = 11.0 m = 22.7</p>  <p>Dur = 12.7s Dmag = 11.7 Sun: 137° Moon: 122°</p>	<p><b>2023 apr 12 16h21.8m</b> A23_04100 676 Melitta TYC 5692-02261-1 Diam = 82.6 m = 10.8 m = 14.7</p>  <p>Dur = 6.4s Dmag = 3.9 Sun: 100° Moon: 19°</p>
<p><b>2023 apr 15 8h50.9m</b> B23_04008 2004XX190 UCAC4 570-030812 Diam = 173.8 m = 13.6 m = 23.3</p>  <p>Dur = 13.5s Dmag = 9.7 Sun: 73° Moon: 137°</p>	<p><b>2023 apr 15 13h 9.0m</b> A23_04076 393 Lampetia UCAC4 398-086351 Diam = 106.0 m = 12.1 m = 12.2</p>  <p>Dur = 6.1s Dmag = 0.8 Sun: 104° Moon: 47°</p>	<p><b>2023 apr 16 12h35.7m</b> A23_04032 91 Aegina UCAC4 326-089552 Diam = 114.0 m = 11.6 m = 13.6</p>  <p>Dur = 37.2s Dmag = 2.1 Sun: 130° Moon: 82°</p>	<p><b>2023 apr 16 16h30.6m</b> A23_04034 109 Felicitas UCAC5 290-173717 Diam = 91.0 m = 12.5 m = 14.8</p>  <p>Dur = 15.3s Dmag = 2.4 Sun: 109° Moon: 63°</p>

# Occultations by major and minor planets – 2023

# Region 8

<p><b>2023 apr 17 17h 7.7m</b> B23_04006 533562 2014JQ80 UCAC5 365-073857 Diam = 140.6 m = 15.0 m = 22.6</p>  <p>Dur = 9.2s Dmag = 7.6 Sun: 135° Moon: 103°</p>	<p><b>2023 apr 17 17h21.9m</b> A23_04126 2008 Konstitutsiya UCAC4 228-150813 Diam = 52.5 m = 11.9 m = 15.3</p>  <p>Dur = 4.7s Dmag = 3.4 Sun: 120° Moon: 89°</p>	<p><b>2023 apr 18 13h54.5m</b> A23_04105 756 Lilliana UCAC4 403-054826 Diam = 73.0 m = 12.5 m = 13.7</p>  <p>Dur = 5.9s Dmag = 1.5 Sun: 155° Moon: 169°</p>	<p><b>2023 apr 18 14h38.3m</b> A23_04066 326 Tamara UCAC5 231-168401 Diam = 100.0 m = 12.4 m = 12.9</p>  <p>Dur = 4.8s Dmag = 1.0 Sun: 98° Moon: 79°</p>
<p><b>2023 apr 20 12h47.2m</b> A23_04127 2219 Mannucci TYC 1936-01052-1 Diam = 45.0 m = 11.7 m = 16.8</p>  <p>Dur = 3.1s Dmag = 5.1 Sun: 90° Moon: 86°</p>	<p><b>2023 apr 21 17h53.3m</b> A23_04092 501 Urhixidur UCAC4 209-135240 Diam = 80.1 m = 12.0 m = 14.3</p>  <p>Dur = 7.6s Dmag = 2.4 Sun: 125° Moon: 143°</p>	<p><b>2023 apr 22 14h41.9m</b> A23_04029 73 Klytia UCAC4 454-050553 Diam = 45.0 m = 12.4 m = 13.2</p>  <p>Dur = 6.1s Dmag = 1.3 Sun: 146° Moon: 116°</p>	<p><b>2023 apr 22 17h13.1m</b> A23_04020 33 Polyhymnia TYC 6179-00884-1 Diam = 81.3 m = 11.3 m = 13.0</p>  <p>Dur = 7.1s Dmag = 1.9 Sun: 158° Moon: 170°</p>
<p><b>2023 apr 23 12h35.4m</b> A23_04129 2655 Guangxi UCAC4 359-114431 Diam = 40.7 m = 12.1 m = 17.2</p>  <p>Dur = 9.0s Dmag = 5.1 Sun: 125° Moon: 165°</p>	<p><b>2023 apr 23 16h12.8m</b> A23_04013 19 Fortuna UCAC4 345-083839 Diam = 149.0 m = 11.5 m = 11.6</p>  <p>Dur = 22.6s Dmag = 0.8 Sun: 141° Moon: 174°</p>	<p><b>2023 apr 24 17h57.6m</b> A23_04090 471 Papagena TYC 4987-00614-1 Diam = 127.0 m = 11.5 m = 11.8</p>  <p>Dur = 8.0s Dmag = 1.0 Sun: 163° Moon: 129°</p>	<p><b>2023 apr 24 20h48.8m</b> B23_04010 2010LQ68 UCAC4 324-127818 Diam = 125.9 m = 13.1 m = 23.5</p>  <p>Dur = 12.1s Dmag = 10.4 Sun: 122° Moon: 177°</p>
<p><b>2023 apr 26 19h41.6m</b> A23_04079 393 Lampetia UCAC5 410-093641 Diam = 106.0 m = 12.4 m = 11.9</p>  <p>Dur = 7.2s Dmag = 0.5 Sun: 111° Moon: 157°</p>	<p><b>2023 apr 27 16h36.1m</b> A23_04012 16 Psyche UCAC5 380-068049 Diam = 264.0 m = 12.4 m = 10.6</p>  <p>Dur = 20.4s Dmag = 0.2 Sun: 164° Moon: 107°</p>	<p><b>2023 apr 27 18h55.2m</b> A23_04124 1765 Wrubel TYC 7425-01944-1 Diam = 45.8 m = 10.7 m = 15.1</p>  <p>Dur = 3.4s Dmag = 4.4 Sun: 106° Moon: 164°</p>	<p><b>2023 apr 27 19h22.2m</b> A23_04042 161 Athor TYC 6771-01189-1 Diam = 45.7 m = 9.2 m = 12.2</p>  <p>Dur = 5.1s Dmag = 3.1 Sun: 159° Moon: 110°</p>



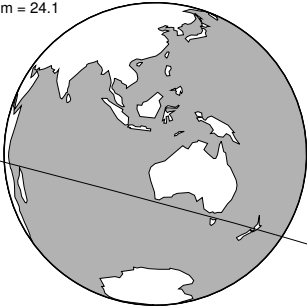
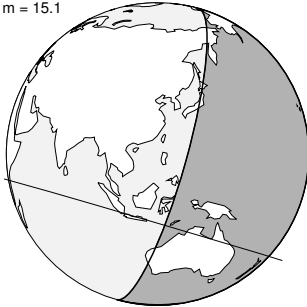
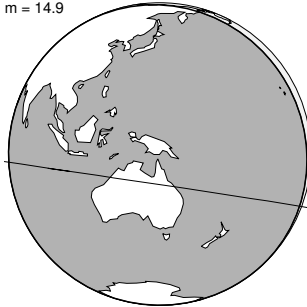
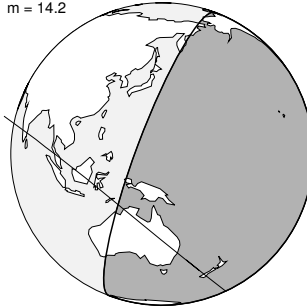
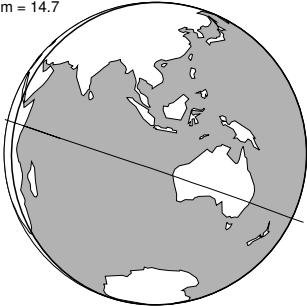
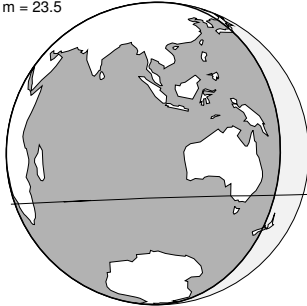
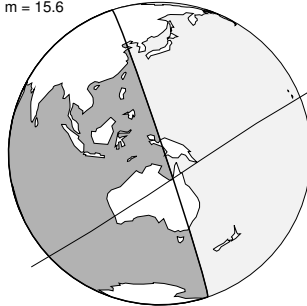
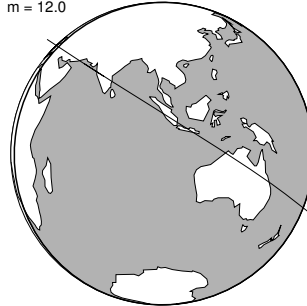
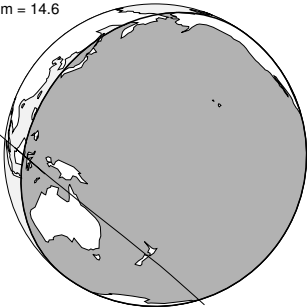
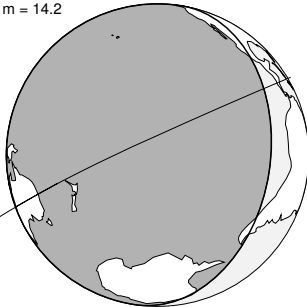
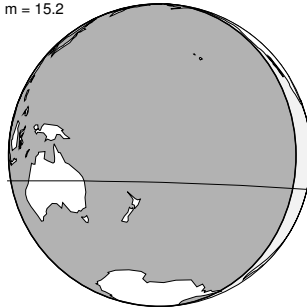
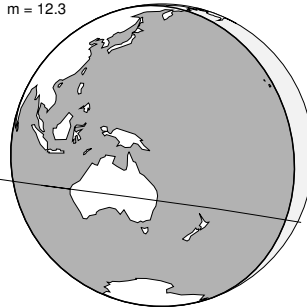
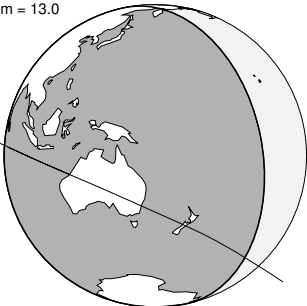
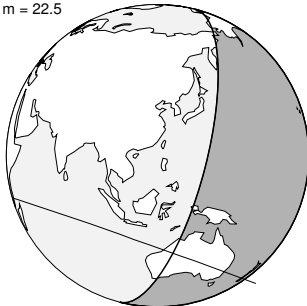
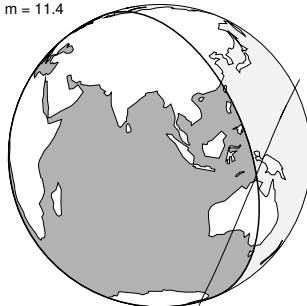
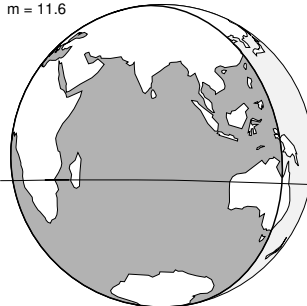
# Occultations by major and minor planets – 2023

# Region 8

<p><b>2023 apr 27 19h23.8m</b> A23_04041 161 Athor Gaia 064–0146072 Diam = 45.7 m = 12.4</p> <p>Dur = 5.1s Dmag = 0.7 Sun: 159° Moon: 110°</p>	<p><b>2023 apr 28 18h25.1m</b> A23_04019 32 Pomona TYC 6154–00399–1 Diam = 82.0 m = 10.7</p> <p>Dur = 8.5s Dmag = 0.6 Sun: 173° Moon: 87°</p>	<p><b>2023 apr 29 8h21.9m</b> A23_04052 221 Eos UCAC4 545–047373 Diam = 110.0 m = 12.1</p> <p>Dur = 8.2s Dmag = 1.8 Sun: 91° Moon: 15°</p>	<p><b>2023 apr 29 11h51.3m</b> B23_04003 88268 2001KK76 UCAC4 333–181208 Diam = 229.1 m = 15.0</p> <p>Dur = 22.9s Dmag = 7.7 Sun: 120° Moon: 132°</p>
<p><b>2023 apr 30 8h30.6m</b> A23_04030 80 Sappho TYC 0233–00303–1 Diam = 81.7 m = 11.0</p> <p>Dur = 6.9s Dmag = 2.2 Sun: 98° Moon: 23°</p>	<p><b>2023 may 1 20h 1.1m</b> A23_05081 705 Erminia UCAC4 259–066985 Diam = 139.0 m = 12.2</p> <p>Dur = 9.5s Dmag = 1.1 Sun: 155° Moon: 54°</p>	<p><b>2023 may 2 15h36.7m</b> A23_05100 1070 Tunica TYC 0368–00728–1 Diam = 40.0 m = 11.1</p> <p>Dur = 3.2s Dmag = 4.7 Sun: 149° Moon: 59°</p>	<p><b>2023 may 2 18h30.5m</b> A23_05034 143 Adria UCAC4 274–192101 Diam = 92.0 m = 12.4</p> <p>Dur = 13.7s Dmag = 1.7 Sun: 112° Moon: 103°</p>
<p><b>2023 may 3 21h 8.5m</b> A23_05114 3171 Wang Shouguan UCAC4 280–156742 Diam = 47.3 m = 11.6</p> <p>Dur = 6.2s Dmag = 5.0 Sun: 131° Moon: 71°</p>	<p><b>2023 may 4 16h21.7m</b> A23_05039 202 Chryseis UCAC4 387–081472 Diam = 85.5 m = 12.4</p> <p>Dur = 13.0s Dmag = 0.8 Sun: 137° Moon: 55°</p>	<p><b>2023 may 4 17h24.3m</b> A23_05085 886 Washingtonia UCAC5 297–138150 Diam = 93.3 m = 12.3</p> <p>Dur = 12.2s Dmag = 1.8 Sun: 132° Moon: 60°</p>	<p><b>2023 may 4 21h31.4m</b> A23_05017 44 Nysa HIP 79679 Diam = 73.3 m = 9.4</p> <p>Dur = 7.3s Dmag = 1.4 Sun: 158° Moon: 32°</p>
<p><b>2023 may 6 16h47.0m</b> A23_05068 398 Admete TYC 6754–01143–1 Diam = 50.0 m = 10.4</p> <p>Dur = 3.4s Dmag = 4.5 Sun: 168° Moon: 14°</p>	<p><b>2023 may 10 16h44.7m</b> A23_05116 3248 Farinella PPMX 13662165 Diam = 50.1 m = 12.2</p> <p>Dur = 5.9s Dmag = 3.3 Sun: 144° Moon: 32°</p>	<p><b>2023 may 10 18h12.2m</b> A23_05062 356 Liguria UCAC4 284–192169 Diam = 135.0 m = 11.6</p> <p>Dur = 24.8s Dmag = 2.4 Sun: 127° Moon: 15°</p>	<p><b>2023 may 10 19h52.3m</b> A23_05107 1867 Deiphobus PPMX 7778196 Diam = 131.0 m = 12.5</p> <p>Dur = 4.8s Dmag = 3.9 Sun: 69° Moon: 51°</p>

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<p><b>2023 may 11 16h 7.8m</b> B23_05011 500856 2013HT156 UCAC4 364-067524 Diam = 125.9 m = 14.6 m = 24.1</p>  <p>Dur = 5.0s Dmag = 9.4 Sun: 178° Moon: 79°</p>	<p><b>2023 may 12 9h37.4m</b> A23_05075 551 Ortrud PPMX 6176667 Diam = 81.2 m = 12.5 m = 15.1</p>  <p>Dur = 3.6s Dmag = 2.7 Sun: 78° Moon: 170°</p>	<p><b>2023 may 12 15h19.2m</b> A23_05091 931 Whitemora UCAC4 406-065090 Diam = 52.6 m = 12.2 m = 14.9</p>  <p>Dur = 3.3s Dmag = 2.8 Sun: 163° Moon: 81°</p>	<p><b>2023 may 13 9h 7.8m</b> A23_05069 399 Persephone UCAC4 497-054736 Diam = 52.8 m = 12.0 m = 14.2</p>  <p>Dur = 4.5s Dmag = 2.3 Sun: 99° Moon: 174°</p>
<p><b>2023 may 13 15h35.3m</b> A23_05058 333 Badenia TYC 6137-00402-1 Diam = 81.5 m = 10.6 m = 14.7</p>  <p>Dur = 5.9s Dmag = 4.1 Sun: 161° Moon: 121°</p>	<p><b>2023 may 13 19h38.5m</b> B23_05014 2006HA123 UCAC4 324-117829 Diam = 151.4 m = 13.8 m = 23.5</p>  <p>Dur = 8.0s Dmag = 9.6 Sun: 144° Moon: 70°</p>	<p><b>2023 may 13 20h54.5m</b> A23_05061 342 Endymion TYC 5773-00022-1 Diam = 65.0 m = 10.0 m = 15.6</p>  <p>Dur = 4.1s Dmag = 5.7 Sun: 91° Moon: 22°</p>	<p><b>2023 may 14 16h24.3m</b> A23_05059 336 Lacadiera TYC 6152-00631-1 Diam = 72.0 m = 9.0 m = 12.0</p>  <p>Dur = 8.9s Dmag = 3.1 Sun: 167° Moon: 130°</p>
<p><b>2023 may 16 10h 9.1m</b> A23_05096 1030 Vitja UCAC4 453-055096 Diam = 65.5 m = 12.4 m = 14.6</p>  <p>Dur = 9.2s Dmag = 2.3 Sun: 145° Moon: 170°</p>	<p><b>2023 may 16 12h10.1m</b> A23_05029 109 Felicitas UCAC5 283-176548 Diam = 91.0 m = 12.3 m = 14.2</p>  <p>Dur = 10.4s Dmag = 2.1 Sun: 138° Moon: 100°</p>	<p><b>2023 may 16 13h14.2m</b> A23_05106 1581 Abanderada UCAC4 345-097119 Diam = 40.0 m = 12.2 m = 15.2</p>  <p>Dur = 4.5s Dmag = 3.1 Sun: 154° Moon: 116°</p>	<p><b>2023 may 16 15h38.2m</b> A23_05040 202 Chryseis TYC 5667-00832-1 Diam = 85.5 m = 11.9 m = 12.3</p>  <p>Dur = 8.5s Dmag = 1.0 Sun: 149° Moon: 114°</p>
<p><b>2023 may 16 16h35.6m</b> A23_05012 34 Circe UCAC4 373-141518 Diam = 118.0 m = 12.3 m = 13.0</p>  <p>Dur = 24.3s Dmag = 1.1 Sun: 134° Moon: 99°</p>	<p><b>2023 may 17 9h 6.7m</b> A23_05121 126155 2001YJ140 UCAC4 548-046059 Diam = 130.0 m = 12.4 m = 22.5</p>  <p>Dur = 8.5s Dmag = 10.1 Sun: 71° Moon: 99°</p>	<p><b>2023 may 17 21h17.3m</b> A23_05066 393 Lampetia UCAC4 436-089642 Diam = 106.0 m = 11.6 m = 11.4</p>  <p>Dur = 10.3s Dmag = 0.6 Sun: 125° Moon: 105°</p>	<p><b>2023 may 18 21h 0.4m</b> A23_05022 52 Europa TYC 6265-01380-1 Diam = 278.0 m = 12.2 m = 11.6</p>  <p>Dur = 33.5s Dmag = 0.5 Sun: 141° Moon: 132°</p>

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<p><b>2023 may 19 13h40.2m</b> A23_05104 1436 Salonta UCAC4 338–136858 Diam = 63.6 m = 12.3 m = 15.0</p> <p>Dur = 8.1s Dmag = 2.8 Sun: 143° Moon: 142°</p>	<p><b>2023 may 20 11h10.2m</b> A23_05086 886 Washingtonia UCAC4 289–139832 Diam = 93.3 m = 12.4 m = 13.5</p> <p>Dur = 8.6s Dmag = 1.4 Sun: 147° Moon: 158°</p>	<p><b>2023 may 20 14h33.4m</b> A23_05098 1057 Wanda UCAC5 337–141057 Diam = 49.1 m = 12.4 m = 15.6</p> <p>Dur = 8.5s Dmag = 3.3 Sun: 141° Moon: 153°</p>	<p><b>2023 may 22 20h17.3m</b> B23_05003 47932 2000GN171 UCAC4 294–106307 Diam = 239.9 m = 13.6 m = 20.9</p> <p>Dur = 10.7s Dmag = 7.3 Sun: 162° Moon: 158°</p>
<p><b>2023 may 26 15h53.5m</b> B23_05004 50000 Quaoar UCAC4 375–128973 Diam = 1110.0 m = 14.8 m = 18.9</p> <p>Dur = 55.5s Dmag = 4.1 Sun: 145° Moon: 132°</p>	<p><b>2023 may 26 18h 8.9m</b> A23_05071 431 Nephela UCAC4 342–162439 Diam = 97.7 m = 12.1 m = 13.2</p> <p>Dur = 17.5s Dmag = 1.4 Sun: 145° Moon: 134°</p>	<p><b>2023 may 27 13h36.7m</b> A23_05041 202 Chryseis UCAC4 390–076168 Diam = 85.5 m = 11.9 m = 12.2</p> <p>Dur = 7.0s Dmag = 0.9 Sun: 160° Moon: 106°</p>	<p><b>2023 may 27 14h 9.9m</b> A23_05101 1085 Amaryllis HIP 110077 Diam = 72.3 m = 8.7 m = 15.1</p> <p>Dur = 4.9s Dmag = 6.4 Sun: 92° Moon: 174°</p>
<p><b>2023 may 28 11h57.8m</b> A23_05035 146 Lucina UCAC4 339–113933 Diam = 137.0 m = 12.5 m = 11.9</p> <p>Dur = 14.4s Dmag = 0.5 Sun: 156° Moon: 104°</p>	<p><b>2023 may 28 12h28.4m</b> A23_05103 1189 Terentia HIP 49020 Diam = 58.3 m = 10.9 m = 16.0</p> <p>Dur = 3.3s Dmag = 5.1 Sun: 84° Moon: 20°</p>	<p><b>2023 may 28 18h18.9m</b> A23_05072 445 Edna TYC 7876–02641–1 Diam = 89.0 m = 11.7 m = 14.4</p> <p>Dur = 6.2s Dmag = 2.8 Sun: 158° Moon: 89°</p>	<p><b>2023 may 28 18h21.7m</b> A23_05115 3171 Wang Shouguan UCAC4 273–121854 Diam = 47.3 m = 12.4 m = 16.2</p> <p>Dur = 3.5s Dmag = 3.8 Sun: 156° Moon: 99°</p>
<p><b>2023 may 29 11h14.2m</b> A23_05097 1041 Asta TYC 6838–00769–1 Diam = 60.6 m = 11.0 m = 15.1</p> <p>Dur = 4.4s Dmag = 4.1 Sun: 161° Moon: 87°</p>	<p><b>2023 may 29 14h42.5m</b> A23_05118 3248 Farinella TYC 7869–00368–1 Diam = 50.1 m = 11.6 m = 15.1</p> <p>Dur = 4.4s Dmag = 3.6 Sun: 161° Moon: 81°</p>	<p><b>2023 may 29 15h33.1m</b> A23_05031 109 Felicitas TYC 7401–00029–1 Diam = 91.0 m = 10.4 m = 14.0</p> <p>Dur = 7.4s Dmag = 3.6 Sun: 151° Moon: 94°</p>	<p><b>2023 may 29 15h54.0m</b> A23_05014 34 Circe UCAC4 375–131159 Diam = 118.0 m = 10.8 m = 12.8</p> <p>Dur = 13.9s Dmag = 2.1 Sun: 148° Moon: 98°</p>

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<p><b>2023 may 30 20h18.8m</b> A23_05048 207 Hedda TYC 6804–00660–1 Diam = 60.0 m = 11.1 m = 12.4</p> <p>Dur = 6.5s Dmag = 1.5 Sun: 173° Moon: 58°</p>	<p><b>2023 may 31 12h54.0m</b> A23_05015 34 Circe UCAC4 376–125217 Diam = 118.0 m = 12.5 m = 12.7</p> <p>Dur = 13.2s Dmag = 0.9 Sun: 150° Moon: 74°</p>	<p><b>2023 may 31 13h23.4m</b> A23_05006 11 Parthenope PPMX 11603411 Diam = 162.0 m = 11.8 m = 9.4</p> <p>Dur = 17.5s Dmag = 0.1 Sun: 170° Moon: 53°</p>	<p><b>2023 may 31 18h23.4m</b> A23_05109 2008 Konstitutsiya UCAC5 200–135247 Diam = 52.5 m = 12.5 m = 14.7</p> <p>Dur = 4.3s Dmag = 2.4 Sun: 151° Moon: 58°</p>
<p><b>2023 may 31 19h23.8m</b> A23_05105 1436 Salonta UCAC4 342–123059 Diam = 63.6 m = 12.4 m = 14.7</p> <p>Dur = 5.9s Dmag = 2.5 Sun: 156° Moon: 66°</p>	<p><b>2023 jun 2 19h43.8m</b> A23_06073 445 Edna Gaia 049–0175697 Diam = 89.0 m = 12.4 m = 14.3</p> <p>Dur = 5.9s Dmag = 2.1 Sun: 160° Moon: 27°</p>	<p><b>2023 jun 4 8h40.7m</b> A23_06054 223 Rosa UCAC4 530–050332 Diam = 90.7 m = 12.1 m = 15.3</p> <p>Dur = 3.2s Dmag = 3.3 Sun: 68° Moon: 115°</p>	<p><b>2023 jun 4 16h 3.5m</b> A23_06046 202 Chryseis UCAC4 390–074749 Diam = 85.5 m = 12.5 m = 12.0</p> <p>Dur = 6.5s Dmag = 0.6 Sun: 167° Moon: 15°</p>
<p><b>2023 jun 4 17h41.6m</b> A23_06087 657 Guniöð PPMX 13718411 Diam = 43.6 m = 11.9 m = 14.6</p> <p>Dur = 4.7s Dmag = 2.8 Sun: 156° Moon: 15°</p>	<p><b>2023 jun 5 10h33.9m</b> A23_06039 150 Nuwa TYC 6188–00604–1 Diam = 157.0 m = 12.1 m = 12.9</p> <p>Dur = 13.4s Dmag = 1.2 Sun: 160° Moon: 38°</p>	<p><b>2023 jun 5 16h21.9m</b> A23_06090 676 Melitta UCAC4 416–096953 Diam = 82.6 m = 12.3 m = 13.7</p> <p>Dur = 10.4s Dmag = 1.7 Sun: 148° Moon: 22°</p>	<p><b>2023 jun 6 9h23.3m</b> A23_06010 22 Kalliope UCAC4 486–055214 Diam = 187.0 m = 11.5 m = 11.8</p> <p>Dur = 22.3s Dmag = 0.9 Sun: 111° Moon: 99°</p>
<p><b>2023 jun 6 12h 4.9m</b> A23_06124 1213 Algeria TYC 6734–01170–1 Diam = 43.2 m = 11.4 m = 16.3</p> <p>Dur = 3.9s Dmag = 4.9 Sun: 142° Moon: 67°</p>	<p><b>2023 jun 6 17h 3.2m</b> A23_06130 1456 Saldanha TYC 6876–00181–1 Diam = 45.5 m = 12.5 m = 15.3</p> <p>Dur = 7.5s Dmag = 3.0 Sun: 144° Moon: 4°</p>	<p><b>2023 jun 6 18h18.7m</b> A23_06131 1574 Meyer UCAC4 347–072835 Diam = 64.2 m = 11.6 m = 15.6</p> <p>Dur = 5.0s Dmag = 4.1 Sun: 158° Moon: 57°</p>	<p><b>2023 jun 6 20h34.3m</b> A23_06111 943 Begonia UCAC4 361–178154 Diam = 72.0 m = 12.5 m = 15.4</p> <p>Dur = 5.7s Dmag = 3.0 Sun: 151° Moon: 13°</p>

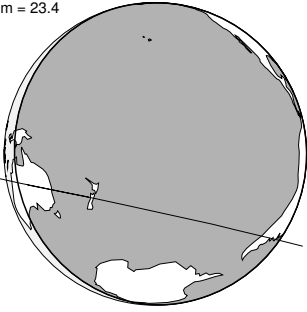
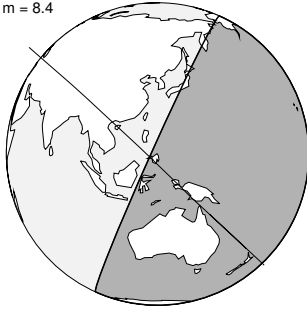
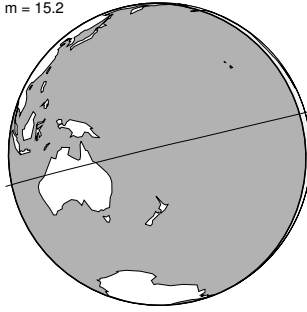
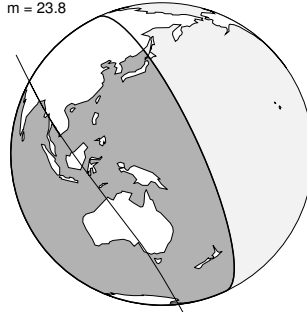
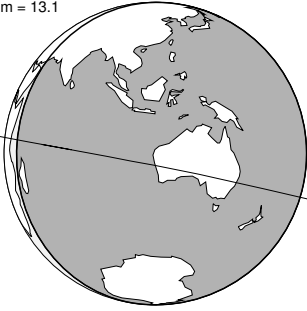
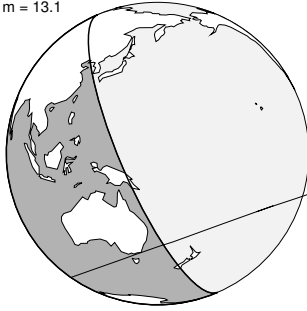
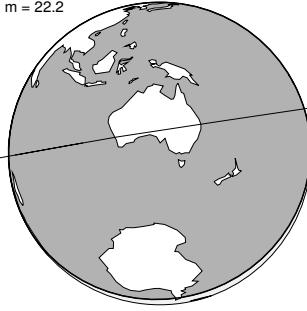
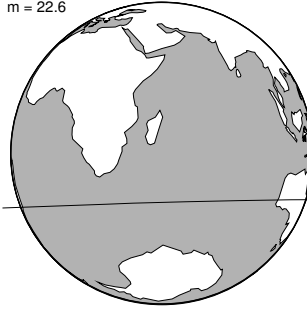
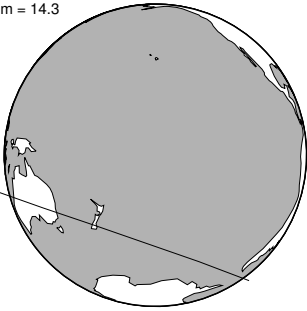
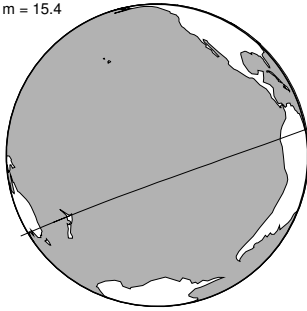
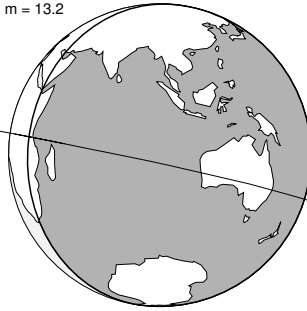
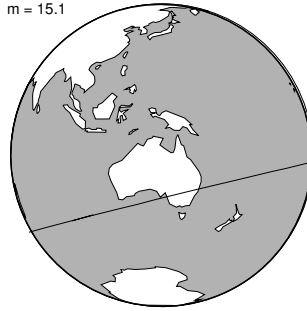
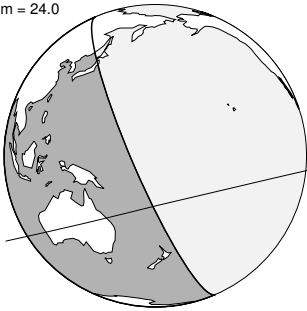
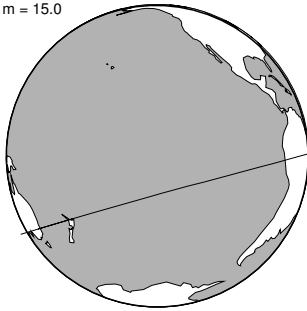
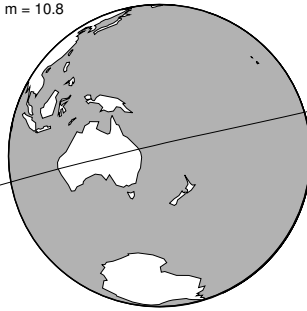
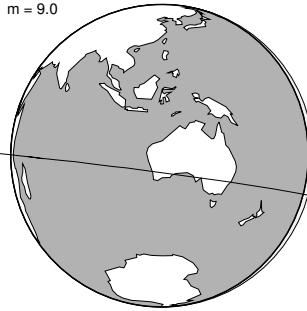
# Occultations by major and minor planets – 2023

# Region 8

<p><b>2023 jun 8 16h54.4m</b> A23_06066 393 Lampetia TYC 0467–02373–1 Diam = 106.0 m = 9.0 m = 10.9</p> <p>Dur = 14.5s Dmag = 2.1 Sun: 140° Moon: 41°</p>	<p><b>2023 jun 8 17h 2.3m</b> A23_06106 886 Washingtonia PPMX 13672686 Diam = 93.3 m = 12.3 m = 13.1</p> <p>Dur = 6.9s Dmag = 1.2 Sun: 165° Moon: 53°</p>	<p><b>2023 jun 8 18h33.0m</b> A23_06138 2246 Bowell TYC 5248–00158–1 Diam = 52.1 m = 10.6 m = 17.6</p> <p>Dur = 4.4s Dmag = 6.9 Sun: 93° Moon: 25°</p>	<p><b>2023 jun 8 18h56.7m</b> A23_06074 445 Edna UCAC4 246–100651 Diam = 89.0 m = 11.7 m = 14.3</p> <p>Dur = 5.8s Dmag = 2.8 Sun: 161° Moon: 65°</p>
<p><b>2023 jun 9 16h 2.3m</b> A23_06036 146 Lucina UCAC4 333–128237 Diam = 137.0 m = 12.1 m = 11.6</p> <p>Dur = 12.2s Dmag = 0.5 Sun: 170° Moon: 66°</p>	<p><b>2023 jun 10 16h42.7m</b> A23_06096 774 Armor UCAC4 343–087530 Diam = 57.0 m = 10.3 m = 11.8</p> <p>Dur = 5.9s Dmag = 1.7 Sun: 175° Moon: 93°</p>	<p><b>2023 jun 11 12h 9.6m</b> A23_06110 931 Whittemora TYC 5610–00176–1 Diam = 52.6 m = 8.8 m = 15.1</p> <p>Dur = 3.6s Dmag = 6.3 Sun: 154° Moon: 122°</p>	<p><b>2023 jun 12 9h19.3m</b> A23_06059 255 Oppavia UCAC4 264–116219 Diam = 58.0 m = 12.4 m = 14.2</p> <p>Dur = 5.0s Dmag = 1.9 Sun: 165° Moon: 106°</p>
<p><b>2023 jun 12 12h 6.7m</b> A23_06122 1135 Colchis TYC 0271–00567–1 Diam = 51.5 m = 9.6 m = 15.7</p> <p>Dur = 3.9s Dmag = 6.1 Sun: 93° Moon: 161°</p>	<p><b>2023 jun 12 13h20.9m</b> A23_06135 1961 Dufour UCAC4 294–204814 Diam = 55.5 m = 12.3 m = 15.9</p> <p>Dur = 4.3s Dmag = 3.6 Sun: 158° Moon: 93°</p>	<p><b>2023 jun 13 14h58.3m</b> A23_06139 2320 Blarney PPMX 11687225 Diam = 40.5 m = 12.1 m = 15.3</p> <p>Dur = 3.5s Dmag = 3.2 Sun: 159° Moon: 106°</p>	<p><b>2023 jun 13 15h52.1m</b> A23_06002 11 Parthenope UCAC4 369–078612 Diam = 162.0 m = 12.3 m = 9.4</p> <p>Dur = 17.3s Dmag = 0.1 Sun: 169° Moon: 135°</p>
<p><b>2023 jun 13 16h 8.3m</b> B23_06010 2004KC19 UCAC4 351–139534 Diam = 95.5 m = 12.8 m = 23.1</p> <p>Dur = 4.3s Dmag = 10.3 Sun: 164° Moon: 111°</p>	<p><b>2023 jun 14 11h22.5m</b> A23_06098 829 Academia TYC 7353–01950–1 Diam = 44.0 m = 9.9 m = 14.6</p> <p>Dur = 3.8s Dmag = 4.7 Sun: 162° Moon: 145°</p>	<p><b>2023 jun 15 10h26.3m</b> A23_06044 193 Ambrosia TYC 7887–01708–1 Diam = 48.3 m = 11.4 m = 14.6</p> <p>Dur = 3.1s Dmag = 3.3 Sun: 162° Moon: 145°</p>	<p><b>2023 jun 15 15h20.3m</b> A23_06008 20 Massalia UCAC4 339–099115 Diam = 151.0 m = 12.2 m = 9.9</p> <p>Dur = 12.0s Dmag = 0.1 Sun: 178° Moon: 149°</p>

# Occultations by major and minor planets – 2023

# Region 8

<p><b>2023 jun 16 8h40.2m</b> B23_06009 2004HY78 UCAC4 304-085707 Diam = 91.2 m = 14.6 m = 23.4</p>  <p>Dur = 4.1s Dmag = 8.8 Sun: 158° Moon: 174°</p>	<p><b>2023 jun 18 10h 3.7m</b> A23_06001 1 Ceres TYC 0866-00746-1 Diam = 952.5 m = 8.4</p>  <p>Dur = 54.7s Dmag = 0.4 Sun: 92° Moon: 89°</p>	<p><b>2023 jun 18 13h28.7m</b> A23_06112 943 Begonia UCAC4 359-172061 Diam = 72.0 m = 11.2 m = 15.2</p>  <p>Dur = 4.8s Dmag = 4.0 Sun: 163° Moon: 166°</p>	<p><b>2023 jun 18 18h59.7m</b> B23_06014 2017SE279 UCAC4 464-130247 Diam = 114.8 m = 13.1 m = 23.8</p>  <p>Dur = 25.3s Dmag = 10.7 Sun: 104° Moon: 110°</p>
<p><b>2023 jun 19 14h40.6m</b> A23_06025 91 Aegina UCAC4 332-079409 Diam = 114.0 m = 12.0 m = 13.1</p>  <p>Dur = 11.0s Dmag = 1.4 Sun: 156° Moon: 141°</p>	<p><b>2023 jun 21 20h28.4m</b> A23_06034 140 Siwa UCAC4 466-001228 Diam = 114.0 m = 12.0 m = 13.1</p>  <p>Dur = 4.5s Dmag = 1.4 Sun: 75° Moon: 117°</p>	<p><b>2023 jun 22 15h20.9m</b> B23_06011 2005JK186 UCAC4 256-166978 Diam = 199.5 m = 14.3 m = 22.2</p>  <p>Dur = 8.2s Dmag = 7.9 Sun: 164° Moon: 134°</p>	<p><b>2023 jun 22 20h42.4m</b> B23_06004 119067 2001KP76 UCAC5 306-166604 Diam = 199.5 m = 14.8 m = 22.6</p>  <p>Dur = 8.1s Dmag = 7.8 Sun: 174° Moon: 128°</p>
<p><b>2023 jun 23 10h14.2m</b> A23_06129 1436 Salonta UCAC4 351-119654 Diam = 63.6 m = 11.4 m = 14.3</p>  <p>Dur = 5.0s Dmag = 3.0 Sun: 175° Moon: 119°</p>	<p><b>2023 jun 24 9h34.5m</b> A23_06137 2127 Tanya UCAC4 351-149997 Diam = 42.5 m = 11.1 m = 15.4</p>  <p>Dur = 3.3s Dmag = 4.3 Sun: 172° Moon: 118°</p>	<p><b>2023 jun 24 15h28.9m</b> A23_06026 91 Aegina Gaia 067-0144583 Diam = 114.0 m = 11.3 m = 13.2</p>  <p>Dur = 12.4s Dmag = 2.1 Sun: 150° Moon: 80°</p>	<p><b>2023 jun 24 15h32.5m</b> A23_06113 943 Begonia TYC 6284-01386-1 Diam = 72.0 m = 10.8 m = 15.1</p>  <p>Dur = 4.6s Dmag = 4.3 Sun: 170° Moon: 117°</p>
<p><b>2023 jun 24 19h14.5m</b> B23_06013 2014UN277 UCAC4 460-001047 Diam = 137.4 m = 14.0 m = 24.0</p>  <p>Dur = 14.8s Dmag = 10.0 Sun: 81° Moon: 154°</p>	<p><b>2023 jun 25 9h33.9m</b> A23_06140 2320 Blamey UCAC4 365-144319 Diam = 40.5 m = 11.6 m = 15.0</p>  <p>Dur = 3.1s Dmag = 3.4 Sun: 171° Moon: 106°</p>	<p><b>2023 jun 25 13h37.8m</b> A23_06045 196 Philomela UCAC4 312-220722 Diam = 146.0 m = 11.7 m = 10.8</p>  <p>Dur = 11.8s Dmag = 0.4 Sun: 173° Moon: 103°</p>	<p><b>2023 jun 25 17h 6.9m</b> A23_06003 15 Eunomia UCAC4 323-206917 Diam = 272.0 m = 12.2 m = 9.0</p>  <p>Dur = 23.8s Dmag = 0.1 Sun: 165° Moon: 111°</p>

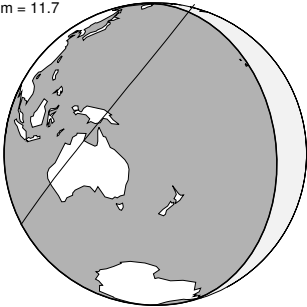
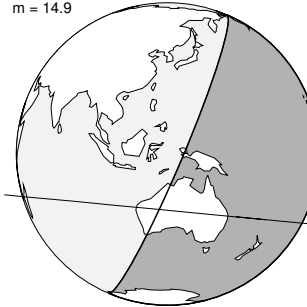
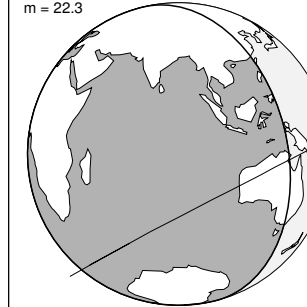
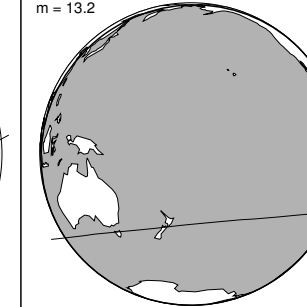
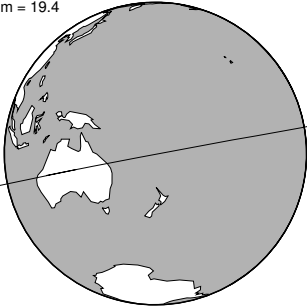
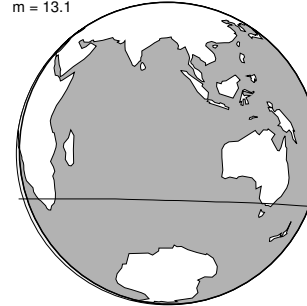
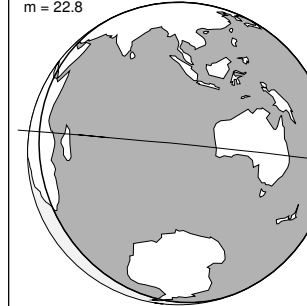
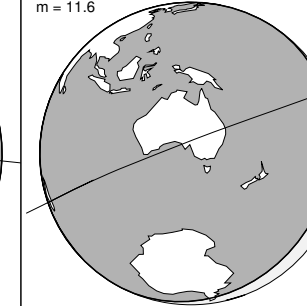
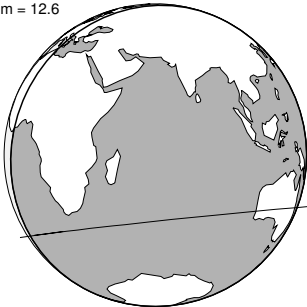
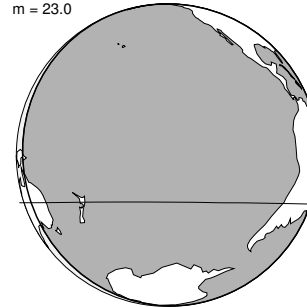
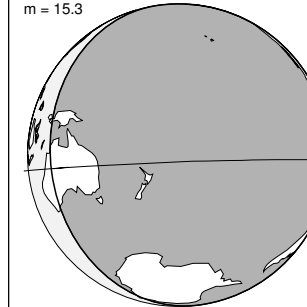
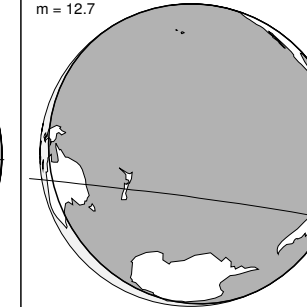
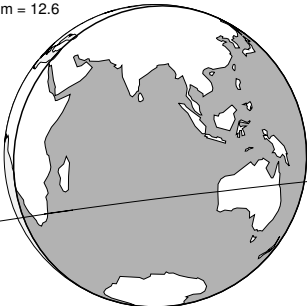
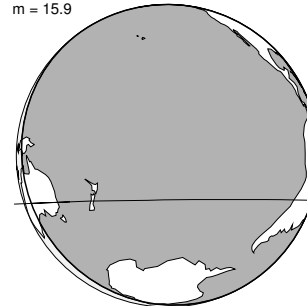
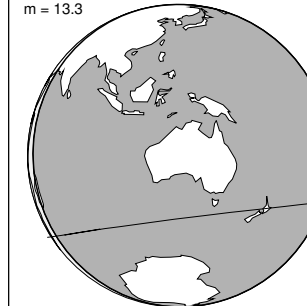
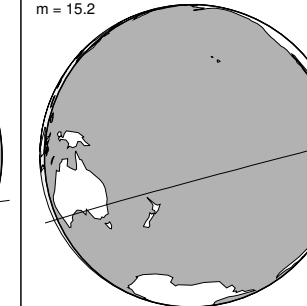
# Occultations by major and minor planets – 2023

# Region 8

<p><b>2023 jun 26 10h56.4m</b> A23_06120 1128 Astrid Gaia 066–0188849 Diam = 40.2 m = 11.2 m = 14.3</p> <p>Dur = 3.8s Dmag = 3.1 Sun: 171° Moon: 80°</p>	<p><b>2023 jun 27 19h 2.6m</b> A23_06141 3036 Krat TYC 6412–00293–1 Diam = 44.8 m = 11.6 m = 15.1</p> <p>Dur = 4.7s Dmag = 3.5 Sun: 104° Moon: 142°</p>	<p><b>2023 jun 28 13h 7.7m</b> B23_06006 119070 2001KP77 UCAC4 318–207536 Diam = 166.0 m = 14.0 m = 22.7</p> <p>Dur = 6.9s Dmag = 8.7 Sun: 176° Moon: 67°</p>	<p><b>2023 jun 28 13h53.7m</b> A23_06117 1057 Wanda TYC 6263–00566–1 Diam = 49.1 m = 11.1 m = 14.7</p> <p>Dur = 4.1s Dmag = 3.7 Sun: 174° Moon: 58°</p>
<p><b>2023 jun 29 10h36.6m</b> A23_06024 86 Semele UCAC4 327–160602 Diam = 127.0 m = 11.1 m = 13.0</p> <p>Dur = 9.2s Dmag = 2.1 Sun: 178° Moon: 54°</p>	<p><b>2023 jun 29 18h58.3m</b> A23_06051 203 Pompeja UCAC4 311–216788 Diam = 120.0 m = 11.5 m = 12.9</p> <p>Dur = 10.0s Dmag = 1.7 Sun: 175° Moon: 48°</p>	<p><b>2023 jun 30 10h31.0m</b> A23_06029 94 Aurora UCAC4 277–165195 Diam = 212.0 m = 11.8 m = 12.5</p> <p>Dur = 15.5s Dmag = 1.1 Sun: 167° Moon: 36°</p>	<p><b>2023 jun 30 16h42.6m</b> A23_06063 356 Liguria UCAC4 276–170609 Diam = 135.0 m = 12.5 m = 13.1</p> <p>Dur = 9.1s Dmag = 1.1 Sun: 167° Moon: 33°</p>
<p><b>2023 jul 1 9h44.1m</b> B23_07017 2015KC173 Gaia 072–0132590 Diam = 79.4 m = 14.7 m = 24.4</p> <p>Dur = 4.1s Dmag = 9.7 Sun: 144° Moon: 9°</p>	<p><b>2023 jul 1 16h29.0m</b> A23_07125 1859 Kovalevskaya UCAC4 283–203568 Diam = 48.6 m = 12.2 m = 14.4</p> <p>Dur = 4.2s Dmag = 2.3 Sun: 169° Moon: 26°</p>	<p><b>2023 jul 1 22h34.1m</b> A23_07014 35 Leukothea TYC 0613–00261–1 Diam = 108.0 m = 11.3 m = 15.0</p> <p>Dur = 5.7s Dmag = 3.7 Sun: 78° Moon: 122°</p>	<p><b>2023 jul 2 17h16.9m</b> A23_07133 2394 Nadeev UCAC4 341–171332 Diam = 56.0 m = 12.4 m = 16.6</p> <p>Dur = 3.7s Dmag = 4.2 Sun: 178° Moon: 13°</p>
<p><b>2023 jul 2 18h51.2m</b> A23_07046 203 Pompeja UCAC4 311–211845 Diam = 120.0 m = 12.3 m = 12.9</p> <p>Dur = 10.1s Dmag = 1.1 Sun: 173° Moon: 5°</p>	<p><b>2023 jul 3 12h33.4m</b> B23_07008 307261 2002MS4 UCAC4 423–109068 Diam = 737.9 m = 14.2 m = 20.5</p> <p>Dur = 29.4s Dmag = 6.2 Sun: 162° Moon: 22°</p>	<p><b>2023 jul 3 17h46.6m</b> B23_07015 2002GA32 UCAC5 377–109825 Diam = 120.2 m = 14.9 m = 23.3</p> <p>Dur = 5.0s Dmag = 8.4 Sun: 170° Moon: 15°</p>	<p><b>2023 jul 4 13h46.1m</b> A23_07070 402 Chloë UCAC4 378–170695 Diam = 57.6 m = 11.4 m = 13.4</p> <p>Dur = 6.6s Dmag = 2.2 Sun: 145° Moon: 20°</p>

# Occultations by major and minor planets – 2023

# Region 8

<p><b>2023 jul 5 15h46.1m</b> A23_07078 511 Davida TYC 6939-00186-1 Diam = 337.0 m = 10.0 m = 11.7</p>  <p>Dur = 31.1s Dmag = 1.9 Sun: 143° Moon: 6°</p>	<p><b>2023 jul 7 9h 8.4m</b> A23_07088 756 Lilliana TYC 4951-00012-1 Diam = 73.0 m = 12.5 m = 14.9</p>  <p>Dur = 3.5s Dmag = 2.6 Sun: 84° Moon: 150°</p>	<p><b>2023 jul 7 21h23.4m</b> B23_07014 523725 2014MC70 UCAC4 360-212175 Diam = 244.3 m = 14.1 m = 22.3</p>  <p>Dur = 15.0s Dmag = 8.2 Sun: 135° Moon: 18°</p>	<p><b>2023 jul 8 11h 5.6m</b> A23_07072 417 Suevia UCAC4 386-107495 Diam = 43.3 m = 12.0 m = 13.2</p>  <p>Dur = 3.9s Dmag = 1.5 Sun: 167° Moon: 77°</p>
<p><b>2023 jul 8 12h22.5m</b> B23_07001 95626 2002GZ32 UCAC5 342-158770 Diam = 173.8 m = 14.9 m = 19.4</p>  <p>Dur = 7.9s Dmag = 4.5 Sun: 176° Moon: 73°</p>	<p><b>2023 jul 8 17h13.9m</b> A23_07047 203 Pompeja UCAC4 311-199134 Diam = 120.0 m = 12.0 m = 13.1</p>  <p>Dur = 10.5s Dmag = 1.4 Sun: 167° Moon: 84°</p>	<p><b>2023 jul 9 15h52.7m</b> B23_07005 135571 2002GG32 UCAC5 276-106566 Diam = 151.4 m = 15.0 m = 22.8</p>  <p>Dur = 7.0s Dmag = 7.8 Sun: 155° Moon: 106°</p>	<p><b>2023 jul 9 16h20.6m</b> A23_07041 187 Lamberta TYC 7469-01087-1 Diam = 135.0 m = 11.7 m = 11.6</p>  <p>Dur = 14.5s Dmag = 0.7 Sun: 156° Moon: 69°</p>
<p><b>2023 jul 9 18h34.6m</b> A23_07010 34 Circe TYC 5686-00546-1 Diam = 118.0 m = 11.6 m = 12.6</p>  <p>Dur = 11.0s Dmag = 1.4 Sun: 161° Moon: 103°</p>	<p><b>2023 jul 10 8h 3.6m</b> B23_07003 119066 2001KJ76 UCAC4 309-158443 Diam = 182.0 m = 14.9 m = 23.0</p>  <p>Dur = 7.8s Dmag = 8.1 Sun: 162° Moon: 110°</p>	<p><b>2023 jul 10 9h 2.9m</b> A23_07113 1041 Asta TYC 7360-01804-1 Diam = 60.6 m = 10.4 m = 15.3</p>  <p>Dur = 5.6s Dmag = 4.9 Sun: 147° Moon: 124°</p>	<p><b>2023 jul 12 8h49.0m</b> A23_07029 94 Aurora TYC 7386-01393-1 Diam = 212.0 m = 10.9 m = 12.7</p>  <p>Dur = 17.1s Dmag = 1.9 Sun: 157° Moon: 137°</p>
<p><b>2023 jul 12 16h52.1m</b> A23_07011 34 Circe UCAC4 375-107225 Diam = 118.0 m = 11.4 m = 12.6</p>  <p>Dur = 11.5s Dmag = 1.5 Sun: 158° Moon: 141°</p>	<p><b>2023 jul 13 8h43.0m</b> A23_07126 1961 Dufour TYC 7397-00859-1 Diam = 55.5 m = 11.3 m = 15.9</p>  <p>Dur = 4.1s Dmag = 4.6 Sun: 162° Moon: 145°</p>	<p><b>2023 jul 13 14h27.3m</b> A23_07024 86 Semele UCAC4 326-146923 Diam = 127.0 m = 11.2 m = 13.3</p>  <p>Dur = 9.8s Dmag = 2.3 Sun: 164° Moon: 148°</p>	<p><b>2023 jul 14 10h10.7m</b> A23_07109 943 Begonia UCAC5 353-130995 Diam = 72.0 m = 12.4 m = 15.2</p>  <p>Dur = 4.7s Dmag = 2.9 Sun: 165° Moon: 155°</p>



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<p><b>2023 jul 15 6h40.5m</b> A23_07037 145 Adeona TYC 4966–00480–1 Diam = 155.0 m = 11.2 m = 13.3</p> <p>Dur = 8.5s Dmag = 2.3 Sun: 90° Moon: 118°</p>	<p><b>2023 jul 15 14h41.3m</b> A23_07119 1242 Zambesia TYC 7373–00341–1 Diam = 49.2 m = 10.4 m = 14.9</p> <p>Dur = 4.9s Dmag = 4.5 Sun: 145° Moon: 167°</p>	<p><b>2023 jul 15 16h 9.3m</b> A23_07058 250 Bettina UCAC4 291–083255 Diam = 85.5 m = 11.8 m = 13.3</p> <p>Dur = 22.8s Dmag = 1.8 Sun: 125° Moon: 150°</p>	<p><b>2023 jul 15 19h43.9m</b> A23_07120 1262 Sniadeckia TYC 6335–01037–1 Diam = 58.7 m = 10.0 m = 14.6</p> <p>Dur = 4.8s Dmag = 4.6 Sun: 164° Moon: 142°</p>
<p><b>2023 jul 16 15h47.7m</b> A23_07130 2239 Paracelsus TYC 7933–02447–1 Diam = 43.1 m = 10.3 m = 15.5</p> <p>Dur = 3.4s Dmag = 5.2 Sun: 163° Moon: 165°</p>	<p><b>2023 jul 17 6h57.7m</b> A23_07076 431 Nephela UCAC4 338–122308 Diam = 97.7 m = 11.7 m = 12.8</p> <p>Dur = 11.1s Dmag = 1.5 Sun: 156° Moon: 161°</p>	<p><b>2023 jul 18 9h58.1m</b> A23_07084 618 Elfriede UCAC4 523–054769 Diam = 124.0 m = 12.2 m = 14.6</p> <p>Dur = 4.4s Dmag = 2.5 Sun: 65° Moon: 57°</p>	<p><b>2023 jul 19 16h34.5m</b> A23_07004 15 Eunomia UCAC4 328–179757 Diam = 272.0 m = 12.0 m = 8.9</p> <p>Dur = 22.7s Dmag = 0.1 Sun: 165° Moon: 145°</p>
<p><b>2023 jul 20 12h 8.8m</b> A23_07138 4828 Misenus UCAC5 342–184645 Diam = 41.7 m = 12.4 m = 17.3</p> <p>Dur = 3.1s Dmag = 5.0 Sun: 149° Moon: 175°</p>	<p><b>2023 jul 20 19h53.6m</b> A23_07135 2634 James Bradley UCAC4 359–194434 Diam = 46.5 m = 11.8 m = 15.2</p> <p>Dur = 3.3s Dmag = 3.4 Sun: 176° Moon: 144°</p>	<p><b>2023 jul 21 9h12.5m</b> A23_07012 34 Circe TYC 6249–00229–1 Diam = 118.0 m = 11.8 m = 12.8</p> <p>Dur = 14.2s Dmag = 1.4 Sun: 148° Moon: 110°</p>	<p><b>2023 jul 21 10h23.4m</b> A23_07085 676 Melitta UCAC4 406–077915 Diam = 82.6 m = 12.5 m = 13.6</p> <p>Dur = 8.1s Dmag = 1.4 Sun: 151° Moon: 114°</p>
<p><b>2023 jul 21 10h45.4m</b> A23_07048 203 Pompeja UCAC4 311–161927 Diam = 120.0 m = 12.2 m = 13.3</p> <p>Dur = 13.0s Dmag = 1.5 Sun: 153° Moon: 114°</p>	<p><b>2023 jul 21 16h21.2m</b> A23_07095 856 Backlunda UCAC4 373–143499 Diam = 52.0 m = 12.0 m = 13.9</p> <p>Dur = 5.0s Dmag = 2.1 Sun: 160° Moon: 118°</p>	<p><b>2023 jul 23 7h46.6m</b> A23_07132 2320 Blarney TYC 6272–00845–1 Diam = 40.5 m = 10.5 m = 15.3</p> <p>Dur = 3.6s Dmag = 4.8 Sun: 153° Moon: 93°</p>	<p><b>2023 jul 24 12h52.5m</b> A23_07018 45 Eugenia TYC 5605–00459–1 Diam = 214.0 m = 11.6 m = 12.0</p> <p>Dur = 31.1s Dmag = 1.0 Sun: 115° Moon: 42°</p>

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<p><b>2023 jul 24 20h51.0m</b> A23_07064 347 Pariana UCAC5 514-005901 Diam = 96.4 m = 12.4 m = 14.7</p> <p>Dur = 3.2s Dmag = 2.4 Sun: 62° Moon: 140°</p>	<p><b>2023 jul 25 10h 6.7m</b> A23_07110 943 Begonia UCAC4 350-134194 Diam = 72.0 m = 11.4 m = 15.4</p> <p>Dur = 5.5s Dmag = 4.0 Sun: 153° Moon: 69°</p>	<p><b>2023 jul 25 11h47.1m</b> A23_07129 2127 Tanya UCAC4 340-130687 Diam = 42.5 m = 11.7 m = 15.8</p> <p>Dur = 4.2s Dmag = 4.1 Sun: 151° Moon: 67°</p>	<p><b>2023 jul 25 11h57.4m</b> A23_07115 1119 Euboea TYC 6158-00739-1 Diam = 44.8 m = 11.9 m = 15.5</p> <p>Dur = 3.8s Dmag = 3.6 Sun: 102° Moon: 18°</p>
<p><b>2023 jul 27 8h 6.1m</b> A23_07032 94 Aurora UCAC4 280-132885 Diam = 212.0 m = 12.5 m = 12.9</p> <p>Dur = 23.7s Dmag = 1.0 Sun: 142° Moon: 38°</p>	<p><b>2023 jul 27 11h31.3m</b> A23_07059 266 Aline UCAC5 379-065655 Diam = 113.0 m = 12.4 m = 14.5</p> <p>Dur = 12.3s Dmag = 2.2 Sun: 100° Moon: 9°</p>	<p><b>2023 jul 27 14h 2.9m</b> A23_07122 1456 Saldanha UCAC4 347-161156 Diam = 45.5 m = 11.6 m = 14.9</p> <p>Dur = 4.8s Dmag = 3.3 Sun: 158° Moon: 49°</p>	<p><b>2023 jul 28 15h11.0m</b> A23_07063 342 Endymion UCAC4 430-116284 Diam = 65.0 m = 12.1 m = 14.3</p> <p>Dur = 5.6s Dmag = 2.4 Sun: 161° Moon: 73°</p>
<p><b>2023 jul 29 16h11.8m</b> A23_07139 119066 2001KJ76 PPMX 12678675 Diam = 182.0 m = 11.8 m = 23.0</p> <p>Dur = 9.5s Dmag = 11.3 Sun: 144° Moon: 8°</p>	<p><b>2023 jul 30 12h26.6m</b> B23_07012 523700 2014GM54 UCAC4 542-116473 Diam = 158.5 m = 12.6 m = 21.7</p> <p>Dur = 6.3s Dmag = 9.1 Sun: 142° Moon: 52°</p>	<p><b>2023 jul 30 12h26.8m</b> A23_07140 523700 2014GM54 UCAC5 542-112170 Diam = 158.5 m = 12.5 m = 21.7</p> <p>Dur = 6.3s Dmag = 9.2 Sun: 142° Moon: 52°</p>	<p><b>2023 jul 30 13h42.7m</b> A23_07090 773 Irmintraud Gaia 076-0275123 Diam = 99.1 m = 6.4 m = 12.9</p> <p>Dur = 8.9s Dmag = 6.5 Sun: 160° Moon: 51°</p>
<p><b>2023 jul 31 7h 1.4m</b> A23_07035 98 lanthe PPMX 14710385 Diam = 109.0 m = 12.4 m = 13.6</p> <p>Dur = 10.7s Dmag = 1.5 Sun: 140° Moon: 20°</p>	<p><b>2023 jul 31 16h13.6m</b> A23_07074 417 Suevia TYC 5689-00586-1 Diam = 43.3 m = 11.4 m = 13.7</p> <p>Dur = 6.1s Dmag = 2.4 Sun: 145° Moon: 23°</p>	<p><b>2023 jul 31 16h40.4m</b> A23_07124 1579 Herrick UCAC4 415-141333 Diam = 48.5 m = 11.8 m = 16.1</p> <p>Dur = 3.3s Dmag = 4.3 Sun: 167° Moon: 28°</p>	<p><b>2023 aug 1 8h43.7m</b> A23_08046 234 Barbara TYC 5739-02046-1 Diam = 44.6 m = 9.4 m = 10.5</p> <p>Dur = 5.2s Dmag = 1.4 Sun: 167° Moon: 16°</p>

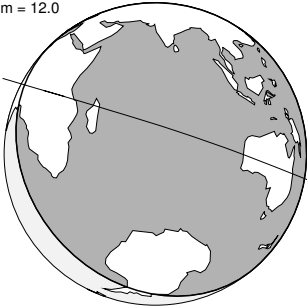
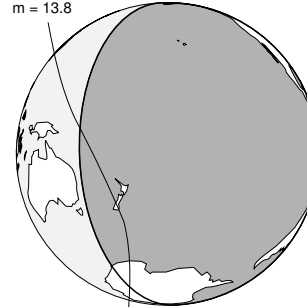
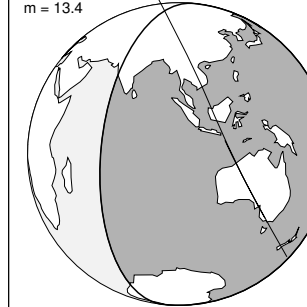
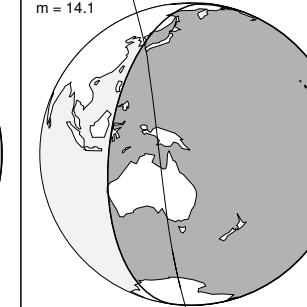
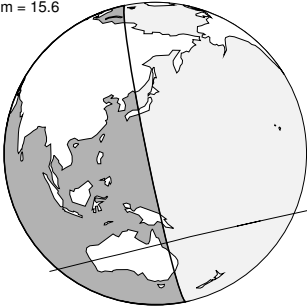
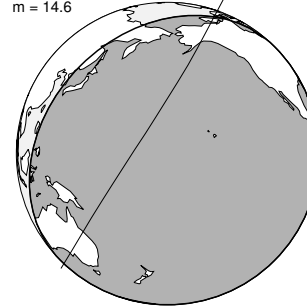
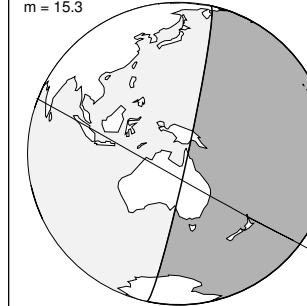
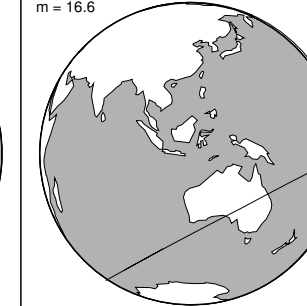
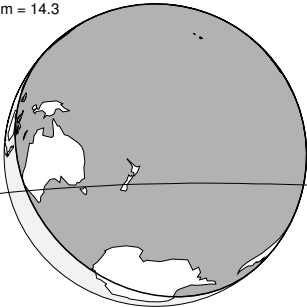
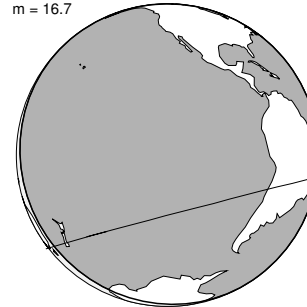
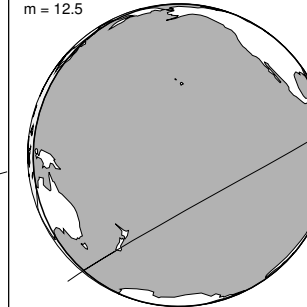
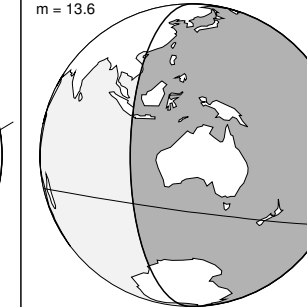
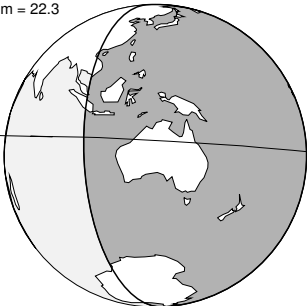
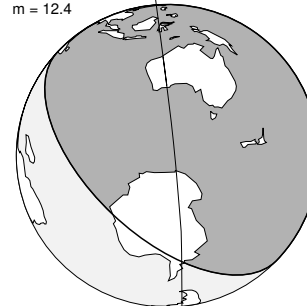
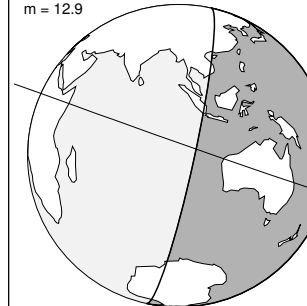
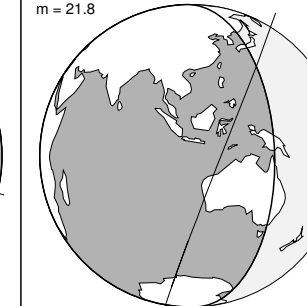
# Occultations by major and minor planets – 2023

# Region 8

<p><b>2023 aug 1 13h 1.4m</b> A23_08004 11 Parthenope UCAC4 360-080050 Diam = 162.0 m = 12.5 m = 10.4</p> <p>Dur = 36.0s Dmag = 0.2 Sun: 119° Moon: 57°</p>	<p><b>2023 aug 2 10h46.7m</b> A23_08025 102 Miriam TYC 5544-00779-1 Diam = 86.0 m = 9.1 m = 15.2</p> <p>Dur = 3.8s Dmag = 6.1 Sun: 72° Moon: 117°</p>	<p><b>2023 aug 2 13h16.3m</b> A23_08103 983 Gunila TYC 5152-00957-1 Diam = 77.3 m = 10.2 m = 14.1</p> <p>Dur = 7.1s Dmag = 3.9 Sun: 157° Moon: 34°</p>	<p><b>2023 aug 3 8h17.3m</b> A23_08099 943 Begonia UCAC4 348-135977 Diam = 72.0 m = 12.4 m = 15.6</p> <p>Dur = 6.7s Dmag = 3.2 Sun: 143° Moon: 59°</p>
<p><b>2023 aug 3 11h56.8m</b> A23_08078 593 Titania TYC 7484-01012-1 Diam = 78.2 m = 11.5 m = 14.1</p> <p>Dur = 5.3s Dmag = 2.7 Sun: 159° Moon: 30°</p>	<p><b>2023 aug 5 9h 2.4m</b> A23_08117 1961 Dufour TYC 7391-01812-1 Diam = 55.5 m = 10.9 m = 16.2</p> <p>Dur = 7.0s Dmag = 5.4 Sun: 138° Moon: 91°</p>	<p><b>2023 aug 5 17h 9.2m</b> A23_08076 506 Marion TYC 1763-00151-1 Diam = 109.0 m = 11.3 m = 14.3</p> <p>Dur = 6.4s Dmag = 3.0 Sun: 94° Moon: 35°</p>	<p><b>2023 aug 5 17h33.0m</b> A23_08012 29 Amphitrite UCAC5 478-001334 Diam = 219.0 m = 12.5 m = 10.1</p> <p>Dur = 46.3s Dmag = 0.1 Sun: 117° Moon: 7°</p>
<p><b>2023 aug 10 8h58.3m</b> A23_08084 702 Alauda TYC 7296-01894-1 Diam = 202.0 m = 11.4 m = 13.1</p> <p>Dur = 10.3s Dmag = 1.9 Sun: 89° Moon: 154°</p>	<p><b>2023 aug 10 12h 1.5m</b> A23_08021 54 Alexandra UCAC4 328-195470 Diam = 171.0 m = 11.2 m = 10.4</p> <p>Dur = 23.1s Dmag = 0.4 Sun: 156° Moon: 138°</p>	<p><b>2023 aug 10 12h44.9m</b> A23_08051 250 Bettina TYC 7327-01196-1 Diam = 85.5 m = 10.0 m = 13.7</p> <p>Dur = 10.1s Dmag = 3.7 Sun: 102° Moon: 166°</p>	<p><b>2023 aug 11 17h31.8m</b> A23_08081 674 Rachele TYC 0039-00758-1 Diam = 101.0 m = 11.9 m = 12.5</p> <p>Dur = 9.9s Dmag = 1.1 Sun: 103° Moon: 55°</p>
<p><b>2023 aug 12 15h28.7m</b> A23_08072 472 Roma TYC 6389-00295-1 Diam = 47.6 m = 9.2 m = 12.4</p> <p>Dur = 4.1s Dmag = 3.3 Sun: 161° Moon: 123°</p>	<p><b>2023 aug 13 15h 7.2m</b> A23_08052 255 Oppavia UCAC4 277-099695 Diam = 58.0 m = 11.8 m = 15.3</p> <p>Dur = 10.1s Dmag = 3.5 Sun: 115° Moon: 146°</p>	<p><b>2023 aug 13 19h45.6m</b> A23_08056 326 Tamara HIP 99772 Diam = 100.0 m = 12.2 m = 6.9</p> <p>Dur = 13.1s Dmag = 5.3 Sun: 128° Moon: 142°</p>	<p><b>2023 aug 15 10h55.7m</b> A23_08061 393 Lampetia UCAC4 475-085818 Diam = 106.0 m = 11.8 m = 10.9</p> <p>Dur = 21.6s Dmag = 0.4 Sun: 132° Moon: 137°</p>

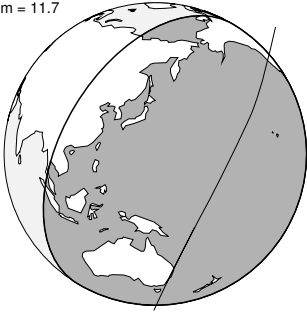
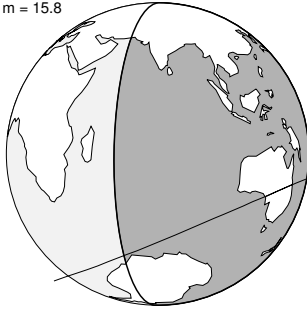

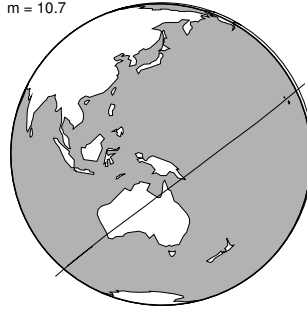
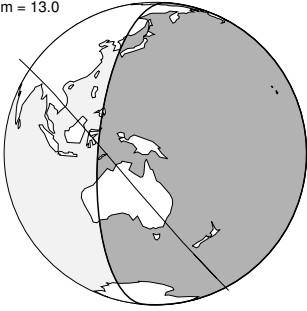
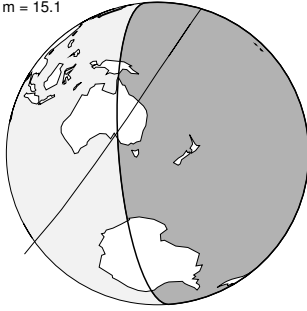
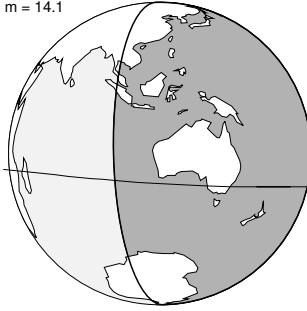
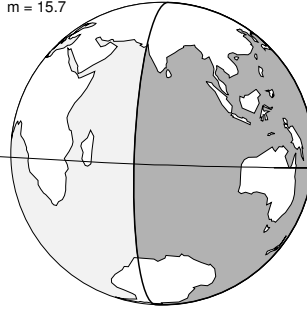
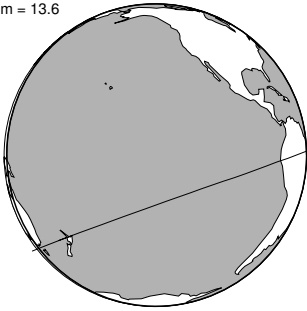
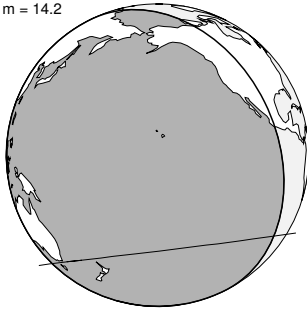
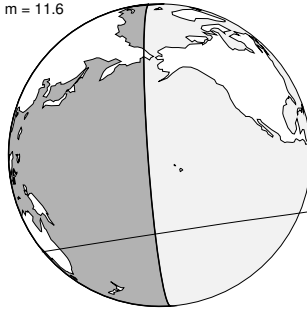
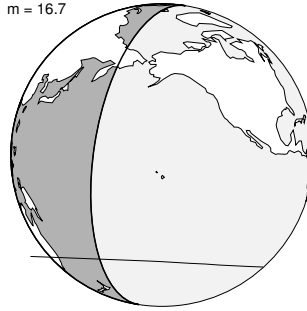
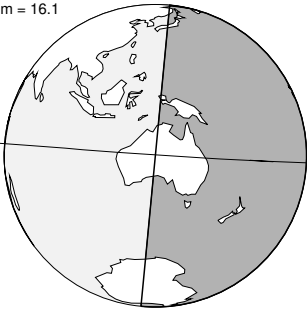
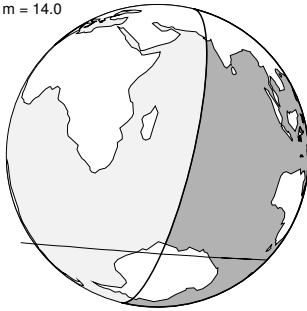
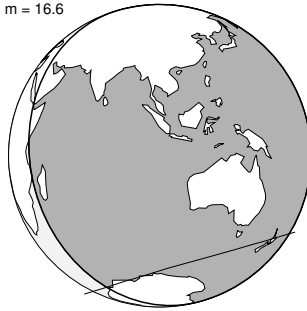
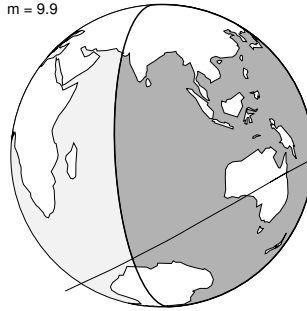
# Occultations by major and minor planets – 2023

# Region 8

<p><b>2023 aug 15 17h39.1m</b> A23_08036 187 Lambertha TYC 7452-00272-1 Diam = 135.0 m = 11.1 m = 12.0</p>  <p>Dur = 17.0s Dmag = 1.3 Sun: 148° Moon: 158°</p>	<p><b>2023 aug 17 7h 6.8m</b> A23_08042 203 Pompeja UCAC4 315-124712 Diam = 120.0 m = 12.2 m = 13.8</p>  <p>Dur = 68.8s Dmag = 1.8 Sun: 125° Moon: 116°</p>	<p><b>2023 aug 18 13h27.3m</b> A23_08013 34 Circe UCAC4 369-103082 Diam = 118.0 m = 11.6 m = 13.4</p>  <p>Dur = 36.2s Dmag = 2.0 Sun: 120° Moon: 97°</p>	<p><b>2023 aug 21 10h 4.6m</b> A23_08083 676 Melitta UCAC4 390-085804 Diam = 82.6 m = 12.4 m = 14.1</p>  <p>Dur = 12.0s Dmag = 1.9 Sun: 122° Moon: 69°</p>
<p><b>2023 aug 21 20h25.4m</b> A23_08069 425 Cornelia TYC 1257-00329-1 Diam = 66.8 m = 12.3 m = 15.6</p>  <p>Dur = 3.9s Dmag = 3.4 Sun: 86° Moon: 147°</p>	<p><b>2023 aug 22 10h 4.5m</b> A23_08079 612 Veronika UCAC4 518-130100 Diam = 40.5 m = 11.1 m = 14.6</p>  <p>Dur = 4.4s Dmag = 3.6 Sun: 144° Moon: 97°</p>	<p><b>2023 aug 24 8h19.2m</b> A23_08104 1015 Christa TYC 5605-01153-1 Diam = 101.0 m = 11.6 m = 15.3</p>  <p>Dur = 5.8s Dmag = 3.7 Sun: 86° Moon: 10°</p>	<p><b>2023 aug 24 16h54.9m</b> A23_08119 2246 Bowell PPMX 10879276 Diam = 52.1 m = 12.1 m = 16.6</p>  <p>Dur = 3.4s Dmag = 4.5 Sun: 169° Moon: 97°</p>
<p><b>2023 aug 25 10h 9.0m</b> A23_08111 1237 Genevieve TYC 7465-00195-1 Diam = 42.0 m = 12.1 m = 14.3</p>  <p>Dur = 5.6s Dmag = 2.3 Sun: 149° Moon: 51°</p>	<p><b>2023 aug 26 7h 9.5m</b> A23_08112 1439 Vogtia UCAC4 348-193311 Diam = 60.1 m = 11.7 m = 16.7</p>  <p>Dur = 4.0s Dmag = 5.1 Sun: 164° Moon: 51°</p>	<p><b>2023 aug 26 9h24.9m</b> A23_08027 107 Camilla TYC 5772-00160-1 Diam = 237.0 m = 11.7 m = 12.5</p>  <p>Dur = 17.0s Dmag = 1.2 Sun: 164° Moon: 52°</p>	<p><b>2023 aug 29 10h55.4m</b> A23_08070 431 Nephela UCAC4 335-128700 Diam = 97.7 m = 12.5 m = 13.6</p>  <p>Dur = 16.8s Dmag = 1.4 Sun: 113° Moon: 44°</p>
<p><b>2023 aug 29 11h 7.3m</b> B23_08002 119069 2001KN77 UCAC4 324-143184 Diam = 158.5 m = 15.0 m = 22.3</p>  <p>Dur = 19.9s Dmag = 7.3 Sun: 118° Moon: 39°</p>	<p><b>2023 aug 29 13h25.2m</b> A23_08057 326 Tamara UCAC4 147-227076 Diam = 100.0 m = 12.0 m = 12.4</p>  <p>Dur = 9.7s Dmag = 1.0 Sun: 122° Moon: 41°</p>	<p><b>2023 aug 30 10h58.3m</b> A23_08067 423 Diotima TYC 6198-01088-1 Diam = 217.0 m = 11.4 m = 12.9</p>  <p>Dur = 11.0s Dmag = 1.7 Sun: 84° Moon: 87°</p>	<p><b>2023 aug 30 20h33.7m</b> B23_08003 471931 2013PH44 UCAC4 384-002677 Diam = 55.5 m = 14.0 m = 21.8</p>  <p>Dur = 3.2s Dmag = 7.8 Sun: 123° Moon: 57°</p>

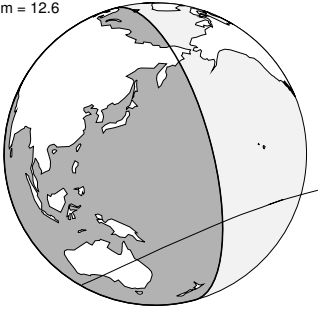
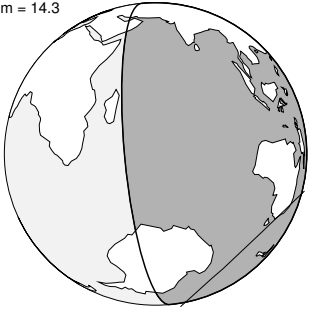
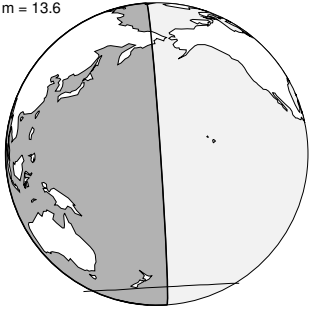
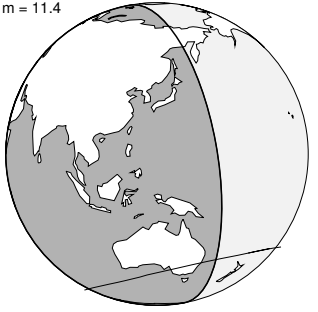
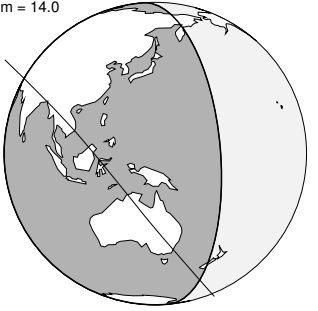
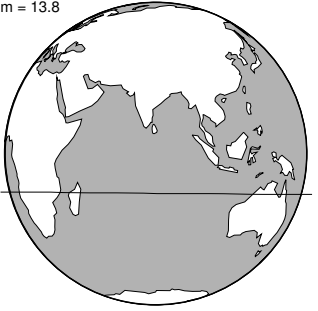
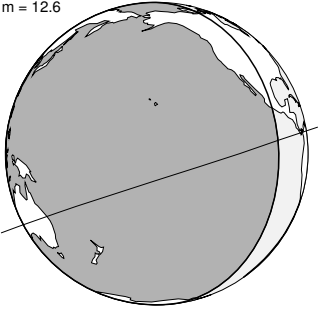
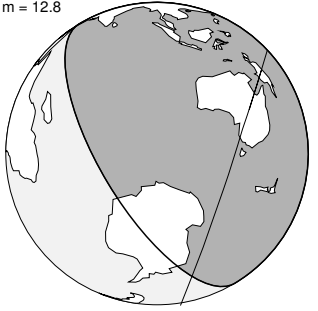
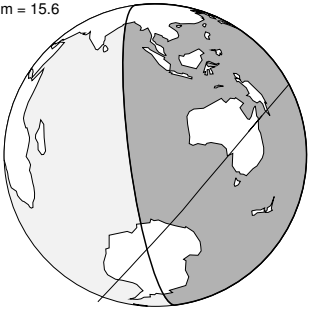
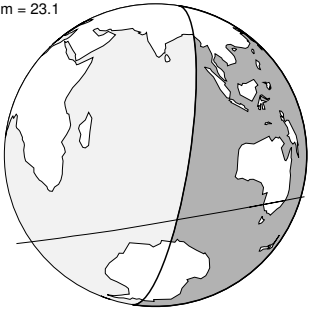
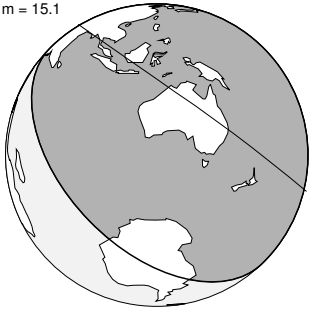
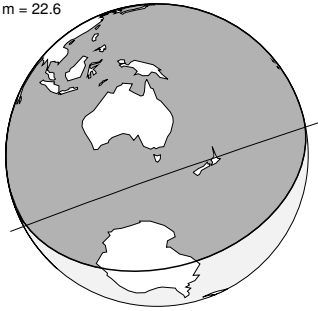
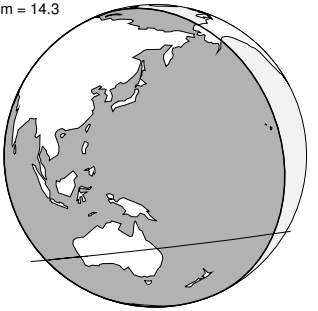
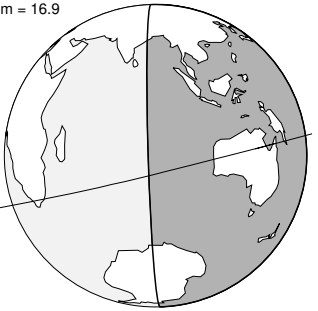
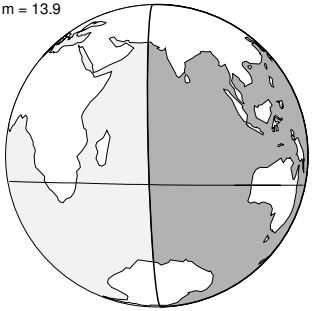
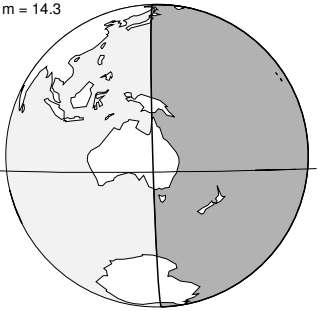
# Occultations by major and minor planets – 2023

# Region 8

<p><b>2023 sep 2 11h26.8m</b> A23_09129 914 Palisana TYC 1628–02807–1 Diam = 79.0 m = 9.8 m = 11.7</p>  <p>Dur = 18.6s Dmag = 2.0 Sun: 128° Moon: 74°</p>	<p><b>2023 sep 2 13h54.9m</b> A23_09114 657 Guniöd UCAC4 323–119375 Diam = 43.6 m = 10.1 m = 15.8</p>  <p>Dur = 4.4s Dmag = 5.7 Sun: 106° Moon: 108°</p>	<p><b>2023 sep 3 13h50.7m</b> B23_09014 2014JJ80 UCAC4 491–147714 Diam = 331.1 m = 13.8 m = 20.6</p>  <p>Dur = 14.1s Dmag = 6.8 Sun: 160° Moon: 55°</p>	<p><b>2023 sep 3 15h10.4m</b> A23_09026 51 Nemausa TYC 5244–00734–1 Diam = 152.3 m = 10.9 m = 10.7</p>  <p>Dur = 13.1s Dmag = 0.7 Sun: 168° Moon: 38°</p>
<p><b>2023 sep 4 9h41.8m</b> A23_09064 246 Asporina UCAC4 407–076829 Diam = 63.8 m = 10.9 m = 13.0</p>  <p>Dur = 5.5s Dmag = 2.3 Sun: 112° Moon: 124°</p>	<p><b>2023 sep 5 8h23.4m</b> A23_09120 733 Moccia PPMX 14678739 Diam = 92.0 m = 12.1 m = 15.1</p>  <p>Dur = 6.9s Dmag = 3.1 Sun: 104° Moon: 142°</p>	<p><b>2023 sep 6 11h19.3m</b> A23_09033 86 Semele TYC 6846–00557–1 Diam = 127.0 m = 10.8 m = 14.1</p>  <p>Dur = 22.2s Dmag = 3.4 Sun: 107° Moon: 157°</p>	<p><b>2023 sep 6 13h20.4m</b> A23_09138 1128 Astrid UCAC5 330–098682 Diam = 40.2 m = 12.4 m = 15.7</p>  <p>Dur = 3.3s Dmag = 3.3 Sun: 100° Moon: 165°</p>
<p><b>2023 sep 8 8h23.2m</b> A23_09043 142 Polana UCAC4 414–141956 Diam = 57.0 m = 11.6 m = 13.6</p>  <p>Dur = 5.3s Dmag = 2.2 Sun: 169° Moon: 117°</p>	<p><b>2023 sep 8 12h42.3m</b> A23_09022 35 Leukothea HIP 6216 Diam = 108.0 m = 8.0 m = 14.2</p>  <p>Dur = 10.1s Dmag = 6.2 Sun: 142° Moon: 70°</p>	<p><b>2023 sep 8 17h 3.3m</b> A23_09023 37 Fides UCAC5 578–013968 Diam = 112.0 m = 12.3 m = 11.6</p>  <p>Dur = 5.2s Dmag = 0.5 Sun: 85° Moon: 16°</p>	<p><b>2023 sep 9 18h11.2m</b> A23_09143 1749 Telamon TYC 1903–01276–1 Diam = 115.0 m = 11.5 m = 16.7</p>  <p>Dur = 4.2s Dmag = 5.2 Sun: 63° Moon: 5°</p>
<p><b>2023 sep 10 9h 7.9m</b> A23_09126 828 Lindemania UCAC4 331–091224 Diam = 55.8 m = 11.6 m = 16.1</p>  <p>Dur = 3.4s Dmag = 4.5 Sun: 89° Moon: 141°</p>	<p><b>2023 sep 11 13h22.2m</b> A23_09069 250 Bettina TYC 7329–01656–1 Diam = 85.5 m = 10.7 m = 14.0</p>  <p>Dur = 4.0s Dmag = 3.3 Sun: 76° Moon: 115°</p>	<p><b>2023 sep 11 15h 8.4m</b> A23_09149 3240 Laokoon UCAC4 378–170830 Diam = 41.7 m = 11.9 m = 16.6</p>  <p>Dur = 4.0s Dmag = 4.8 Sun: 148° Moon: 171°</p>	<p><b>2023 sep 13 13h24.0m</b> A23_09016 15 Eunomia UCAC4 344–156213 Diam = 272.0 m = 12.1 m = 9.9</p>  <p>Dur = 36.7s Dmag = 0.1 Sun: 108° Moon: 124°</p>

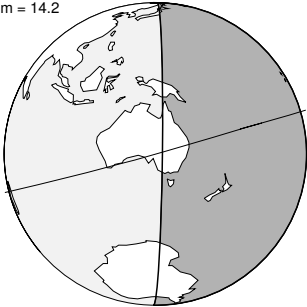
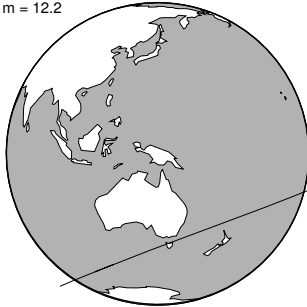
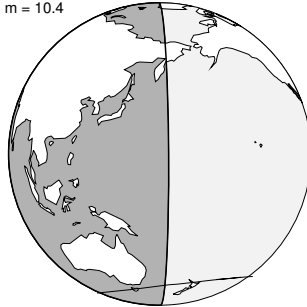
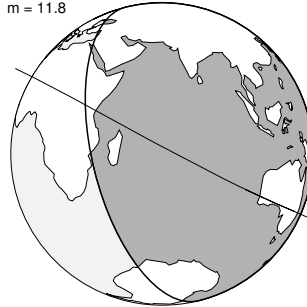
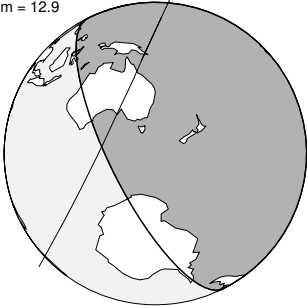
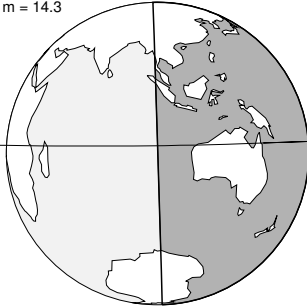
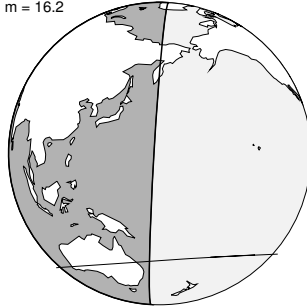
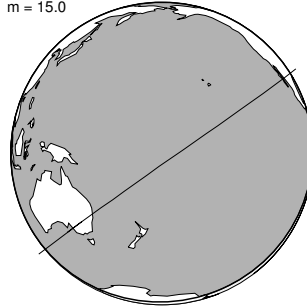
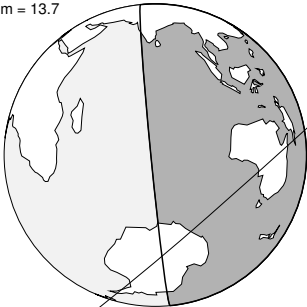
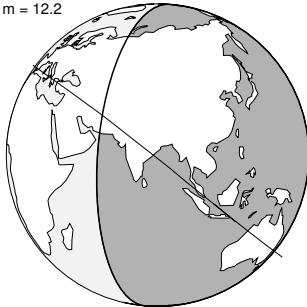
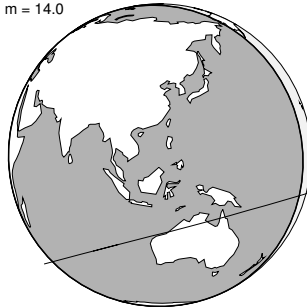
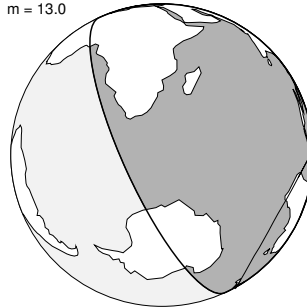
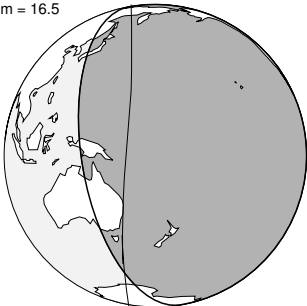
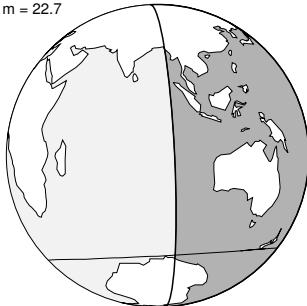
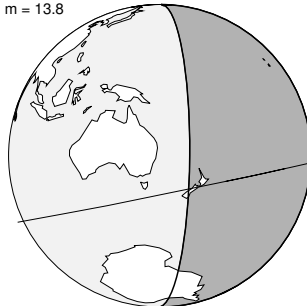
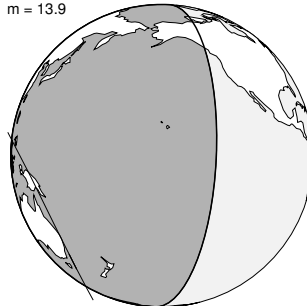
# Occultations by major and minor planets – 2023

# Region 8

<p><b>2023 sep 13 17h52.0m</b> A23_09063 241 Germania UCAC4 575-008440 Diam = 169.0 m = 11.6 m = 12.6</p>  <p>Dur = 31.5s Dmag = 1.4 Sun: 111° Moon: 97°</p>	<p><b>2023 sep 14 14h26.5m</b> A23_09038 98 lanthe UCAC5 255-152769 Diam = 109.0 m = 12.4 m = 14.3</p>  <p>Dur = 8.4s Dmag = 2.1 Sun: 101° Moon: 108°</p>	<p><b>2023 sep 14 17h42.4m</b> A23_09102 498 Tokio UCAC4 530-012855 Diam = 84.8 m = 11.3 m = 13.6</p>  <p>Dur = 5.7s Dmag = 2.5 Sun: 91° Moon: 88°</p>	<p><b>2023 sep 14 19h25.4m</b> A23_09045 144 Vibia UCAC4 525-006850 Diam = 178.0 m = 12.3 m = 11.4</p>  <p>Dur = 23.5s Dmag = 0.4 Sun: 113° Moon: 111°</p>
<p><b>2023 sep 15 18h44.0m</b> A23_09090 412 Elisabetha TYC 0068-01178-1 Diam = 93.0 m = 12.4 m = 14.0</p>  <p>Dur = 18.4s Dmag = 1.9 Sun: 115° Moon: 124°</p>	<p><b>2023 sep 16 18h 7.1m</b> A23_09133 1049 Gotho TYC 5243-00171-1 Diam = 58.2 m = 11.4 m = 13.8</p>  <p>Dur = 4.8s Dmag = 2.6 Sun: 174° Moon: 156°</p>	<p><b>2023 sep 18 12h39.5m</b> A23_09091 416 Vaticana TYC 0037-01005-1 Diam = 89.5 m = 11.2 m = 12.6</p>  <p>Dur = 9.2s Dmag = 1.6 Sun: 143° Moon: 167°</p>	<p><b>2023 sep 18 13h55.5m</b> A23_09077 326 Tamara UCAC4 178-226024 Diam = 100.0 m = 11.9 m = 12.8</p>  <p>Dur = 6.9s Dmag = 1.3 Sun: 112° Moon: 79°</p>
<p><b>2023 sep 21 12h 2.1m</b> A23_09096 436 Patricia UCAC4 250-171017 Diam = 63.0 m = 12.5 m = 15.6</p>  <p>Dur = 4.3s Dmag = 3.2 Sun: 99° Moon: 29°</p>	<p><b>2023 sep 22 11h45.3m</b> B23_09011 2004KB19 UCAC4 290-103062 Diam = 138.0 m = 14.1 m = 23.1</p>  <p>Dur = 10.8s Dmag = 9.0 Sun: 76° Moon: 10°</p>	<p><b>2023 sep 22 13h31.0m</b> A23_09112 617 Patroclus TYC 7988-00848-1 Diam = 149.0 m = 11.7 m = 15.1</p>  <p>Dur = 13.8s Dmag = 3.4 Sun: 128° Moon: 50°</p>	<p><b>2023 sep 22 14h48.5m</b> B23_09015 2013RV124 UCAC4 245-000648 Diam = 275.4 m = 14.9 m = 22.6</p>  <p>Dur = 10.8s Dmag = 7.7 Sun: 138° Moon: 81°</p>
<p><b>2023 sep 22 15h56.3m</b> A23_09074 309 Fraternitas TYC 0629-01389-1 Diam = 54.7 m = 9.8 m = 14.3</p>  <p>Dur = 7.9s Dmag = 4.4 Sun: 145° Moon: 126°</p>	<p><b>2023 sep 23 12h11.7m</b> A23_09145 1961 Dufour UCAC4 299-180457 Diam = 55.5 m = 12.3 m = 16.9</p>  <p>Dur = 4.2s Dmag = 4.6 Sun: 92° Moon: 6°</p>	<p><b>2023 sep 23 13h30.5m</b> A23_09094 431 Nephela TYC 6843-01286-1 Diam = 97.7 m = 10.8 m = 13.9</p>  <p>Dur = 6.1s Dmag = 3.2 Sun: 93° Moon: 8°</p>	<p><b>2023 sep 25 8h25.0m</b> A23_09034 86 Semele Gaia 065-0236399 Diam = 127.0 m = 11.4 m = 14.3</p>  <p>Dur = 9.1s Dmag = 2.9 Sun: 91° Moon: 32°</p>

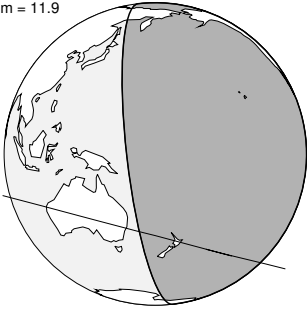
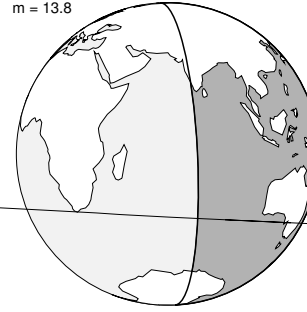
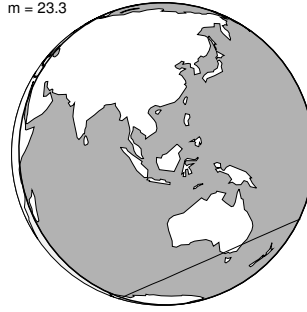
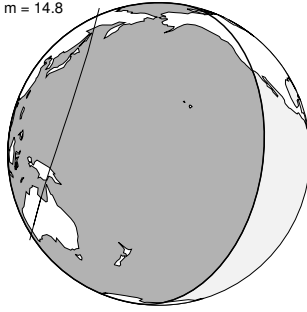
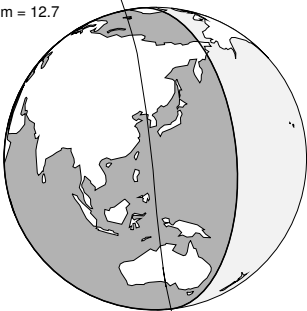
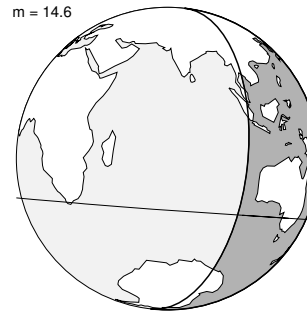
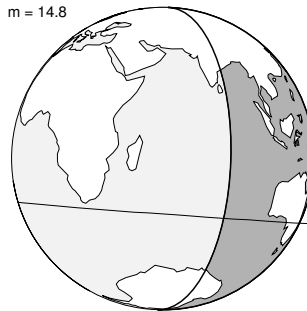
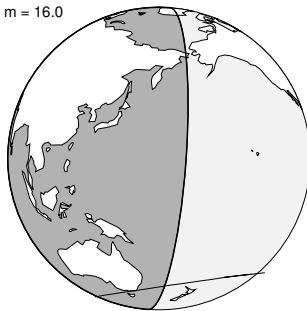
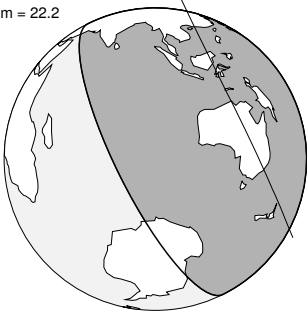
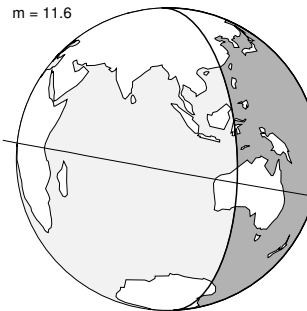
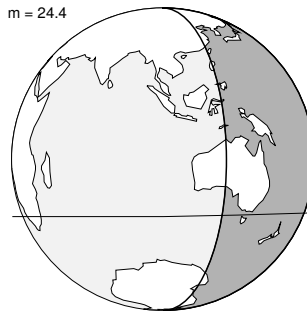
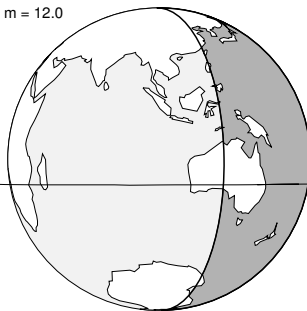
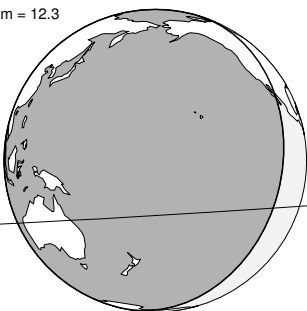
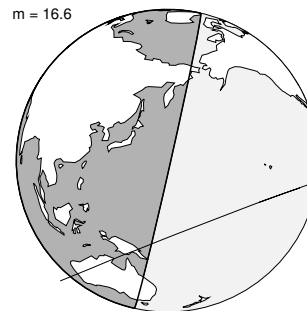

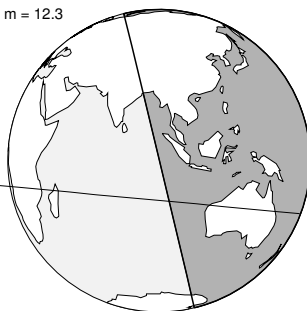
# Occultations by major and minor planets – 2023

# Region 8

<p><b>2023 sep 25 8h26.0m</b> A23_09082 356 Liguria TYC 7378–01276–1 Diam = 135.0 m = 11.3 m = 14.2</p>  <p>Dur = 8.6s Dmag = 3.0 Sun: 87° Moon: 36°</p>	<p><b>2023 sep 25 14h23.0m</b> A23_09040 116 Sirona TYC 4669–00780–1 Diam = 75.5 m = 11.2 m = 12.2</p>  <p>Dur = 5.4s Dmag = 1.3 Sun: 173° Moon: 49°</p>	<p><b>2023 sep 25 19h 1.7m</b> A23_09010 9 Metis UCAC4 563–021868 Diam = 231.2 m = 12.3 m = 10.4</p>  <p>Dur = 13.5s Dmag = 0.2 Sun: 93° Moon: 137°</p>	<p><b>2023 sep 26 15h28.9m</b> A23_09061 234 Barbara TYC 6327–01453–1 Diam = 44.6 m = 11.5 m = 11.8</p>  <p>Dur = 4.8s Dmag = 0.9 Sun: 117° Moon: 24°</p>
<p><b>2023 sep 27 9h43.6m</b> A23_09078 326 Tamara UCAC4 192–194696 Diam = 100.0 m = 12.1 m = 12.9</p>  <p>Dur = 6.1s Dmag = 1.3 Sun: 107° Moon: 47°</p>	<p><b>2023 sep 27 11h16.9m</b> A23_09035 86 Semele UCAC5 322–139598 Diam = 127.0 m = 12.5 m = 14.3</p>  <p>Dur = 8.5s Dmag = 2.0 Sun: 89° Moon: 63°</p>	<p><b>2023 sep 28 19h23.0m</b> A23_09071 267 Tirza PPMX 5037308 Diam = 53.6 m = 12.1 m = 16.2</p>  <p>Dur = 3.4s Dmag = 4.1 Sun: 87° Moon: 101°</p>	<p><b>2023 oct 1 11h47.5m</b> A23_10121 2731 Cucula TYC 5270–02272–1 Diam = 51.1 m = 15.0 m = 15.0</p>  <p>Dur = 3.9s Dmag = 2.9 Sun: 167° Moon: 31°</p>
<p><b>2023 oct 1 12h50.0m</b> A23_10015 36 Atalante UCAC4 251–177266 Diam = 109.0 m = 12.5 m = 13.7</p>  <p>Dur = 6.5s Dmag = 1.5 Sun: 91° Moon: 116°</p>	<p><b>2023 oct 1 13h40.8m</b> A23_10096 914 Palisana TYC 1621–01856–1 Diam = 79.0 m = 10.5 m = 12.2</p>  <p>Dur = 7.7s Dmag = 1.8 Sun: 113° Moon: 89°</p>	<p><b>2023 oct 1 17h15.3m</b> A23_10114 1332 Marconia TYC 0625–00833–1 Diam = 49.5 m = 9.1 m = 14.0</p>  <p>Dur = 5.5s Dmag = 5.0 Sun: 159° Moon: 11°</p>	<p><b>2023 oct 2 17h23.2m</b> A23_10062 326 Tamara TYC 8413–01891–1 Diam = 100.0 m = 8.7 m = 13.0</p>  <p>Dur = 5.7s Dmag = 4.4 Sun: 104° Moon: 115°</p>
<p><b>2023 oct 3 8h41.4m</b> A23_10126 4348 Poulydamas UCAC4 403–131209 Diam = 60.3 m = 11.9 m = 16.5</p>  <p>Dur = 14.9s Dmag = 4.6 Sun: 119° Moon: 112°</p>	<p><b>2023 oct 6 11h31.5m</b> B23_10002 88268 2001KK76 UCAC4 332–159407 Diam = 229.1 m = 14.4 m = 22.7</p>  <p>Dur = 27.0s Dmag = 8.3 Sun: 83° Moon: 173°</p>	<p><b>2023 oct 7 6h50.0m</b> A23_10030 94 Aurora UCAC4 296–160055 Diam = 212.0 m = 12.2 m = 13.8</p>  <p>Dur = 9.9s Dmag = 1.8 Sun: 78° Moon: 161°</p>	<p><b>2023 oct 7 14h57.3m</b> A23_10058 276 Adelheid TYC 0700–01188–1 Diam = 127.0 m = 10.2 m = 13.9</p>  <p>Dur = 10.5s Dmag = 3.7 Sun: 111° Moon: 39°</p>

# Occultations by major and minor planets – 2023

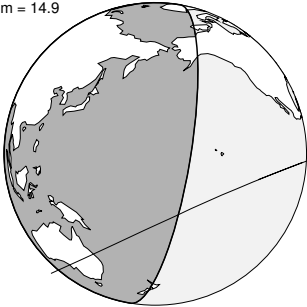
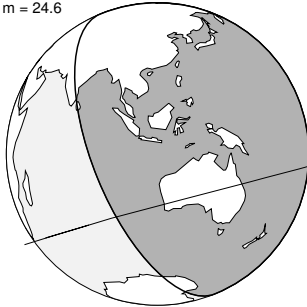
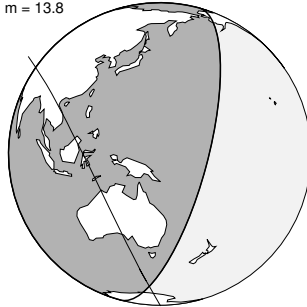
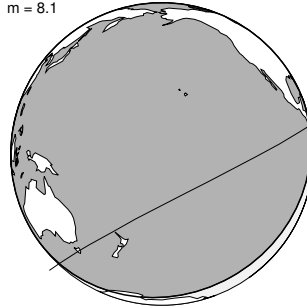
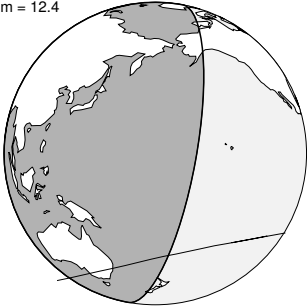
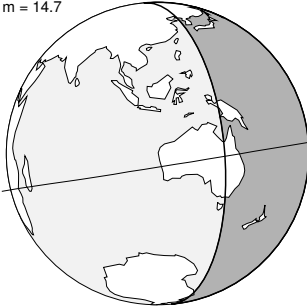
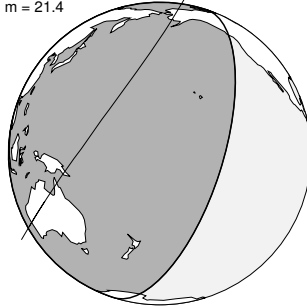
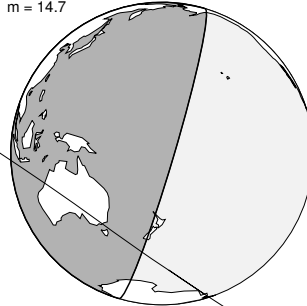
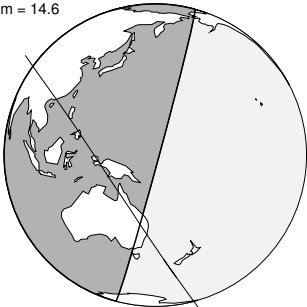
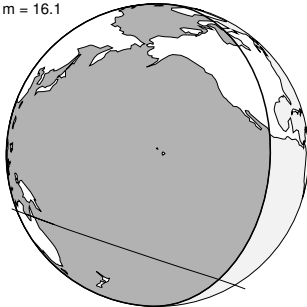
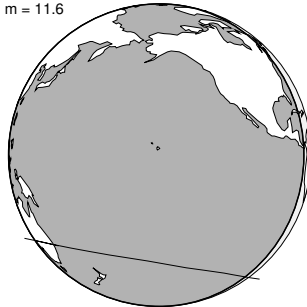
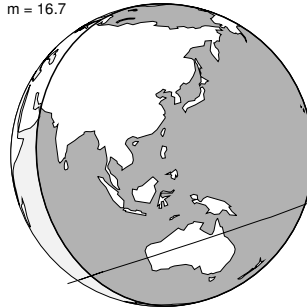
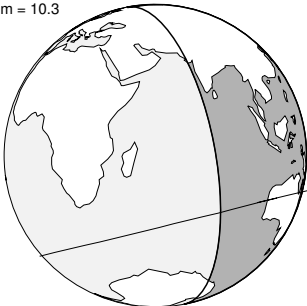
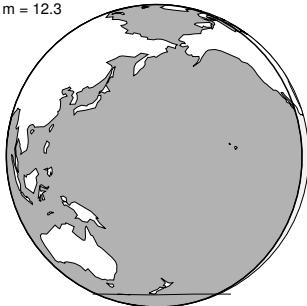
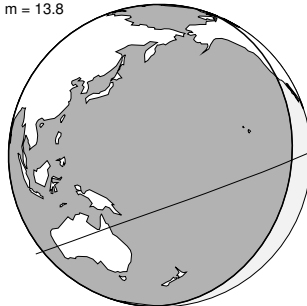
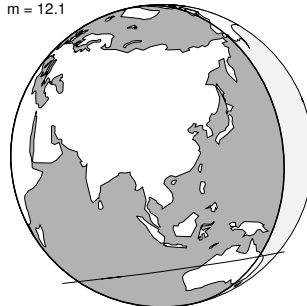
# Region 8

<p><b>2023 oct 8 7h31.2m</b> A23_10069 393 Lampetia TYC 5149–01893–1 Diam = 106.0 m = 10.3 m = 11.9</p>  <p>Dur = 5.7s Dmag = 1.8 Sun: 100° Moon: 156°</p>	<p><b>2023 oct 8 12h41.1m</b> A23_10042 153 Hilda UCAC4 367–117567 Diam = 175.0 m = 11.5 m = 13.8</p>  <p>Dur = 7.6s Dmag = 2.4 Sun: 78° Moon: 145°</p>	<p><b>2023 oct 10 15h 8.5m</b> B23_10011 2007NC7 UCAC4 465–136995 Diam = 87.1 m = 13.9 m = 23.3</p>  <p>Dur = 3.7s Dmag = 9.4 Sun: 161° Moon: 151°</p>	<p><b>2023 oct 11 14h 5.1m</b> A23_10117 1628 Strobel UCAC4 457–005796 Diam = 59.1 m = 11.8 m = 14.8</p>  <p>Dur = 5.6s Dmag = 3.1 Sun: 133° Moon: 102°</p>
<p><b>2023 oct 12 19h 2.9m</b> A23_10077 480 Hansa TYC 1832–00464–1 Diam = 58.0 m = 10.2 m = 12.7</p>  <p>Dur = 8.4s Dmag = 2.6 Sun: 122° Moon: 101°</p>	<p><b>2023 oct 13 10h54.8m</b> A23_10029 91 Aegina UCAC4 327–091086 Diam = 114.0 m = 11.4 m = 14.6</p>  <p>Dur = 3.6s Dmag = 3.3 Sun: 58° Moon: 73°</p>	<p><b>2023 oct 13 12h10.1m</b> A23_10024 76 Freia UCAC5 344–093980 Diam = 190.0 m = 12.5 m = 14.8</p>  <p>Dur = 7.0s Dmag = 2.5 Sun: 63° Moon: 77°</p>	<p><b>2023 oct 13 18h32.3m</b> A23_10054 267 Tirza UCAC4 570–032454 Diam = 53.6 m = 12.1 m = 16.0</p>  <p>Dur = 5.6s Dmag = 4.0 Sun: 100° Moon: 89°</p>
<p><b>2023 oct 14 13h20.3m</b> B23_10005 328884 2010LJ109 UCAC4 237–172621 Diam = 39.8 m = 14.8 m = 22.2</p>  <p>Dur = 3.3s Dmag = 7.4 Sun: 105° Moon: 107°</p>	<p><b>2023 oct 17 9h45.2m</b> A23_10018 39 Laetitia UCAC4 370–100576 Diam = 159.0 m = 11.7 m = 11.6</p>  <p>Dur = 5.1s Dmag = 0.7 Sun: 62° Moon: 33°</p>	<p><b>2023 oct 19 9h28.0m</b> B23_10001 52747 1998HM151 UCAC4 332–127604 Diam = 109.6 m = 14.5 m = 24.4</p>  <p>Dur = 6.2s Dmag = 9.8 Sun: 65° Moon: 11°</p>	<p><b>2023 oct 20 9h25.6m</b> A23_10010 20 Massalia UCAC4 337–120691 Diam = 151.0 m = 12.4 m = 12.0</p>  <p>Dur = 5.2s Dmag = 0.6 Sun: 64° Moon: 6°</p>
<p><b>2023 oct 20 13h32.1m</b> A23_10084 598 Octavia TYC 0068–00101–1 Diam = 74.7 m = 10.7 m = 12.3</p>  <p>Dur = 15.5s Dmag = 1.9 Sun: 146° Moon: 134°</p>	<p><b>2023 oct 23 19h33.7m</b> A23_10128 5283 Pyrrhus PPMX 4111113 Diam = 57.5 m = 12.5 m = 16.6</p>  <p>Dur = 3.8s Dmag = 4.1 Sun: 91° Moon: 156°</p>	<p><b>2023 oct 28 15h29.0m</b> A23_10061 309 Fraternitas UCAC4 515–002335 Diam = 54.7 m = 11.8 m = 13.8</p>  <p>Dur = 5.1s Dmag = 2.2 Sun: 170° Moon: 7°</p>	<p><b>2023 oct 29 11h31.8m</b> A23_10072 393 Lampetia TYC 5170–01498–1 Diam = 106.0 m = 10.7 m = 12.3</p>  <p>Dur = 4.4s Dmag = 1.8 Sun: 89° Moon: 98°</p>



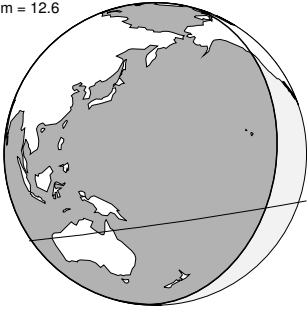
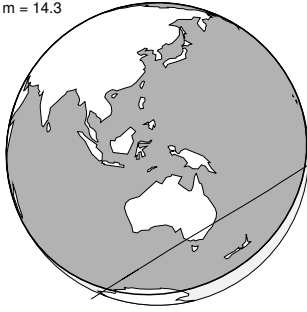
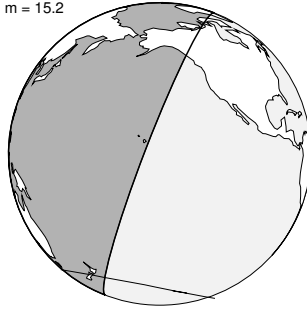
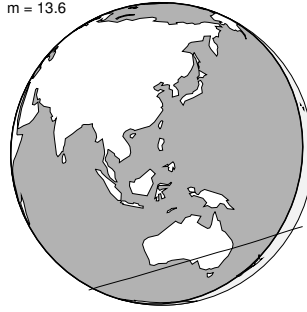
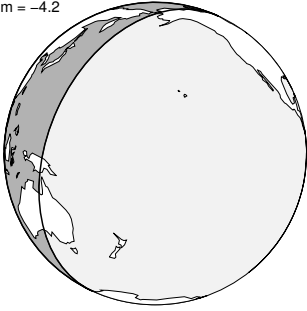
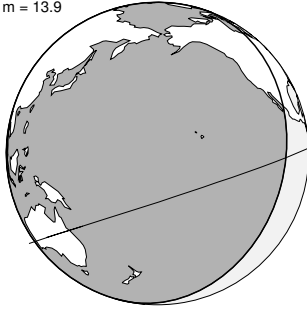
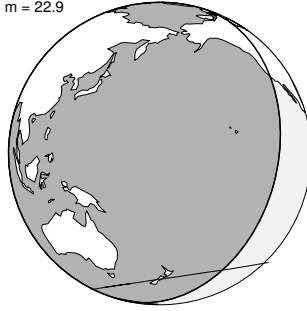
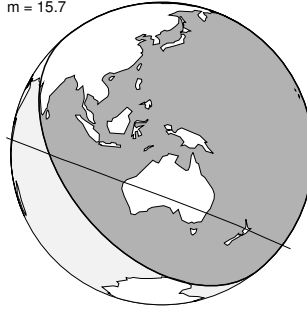
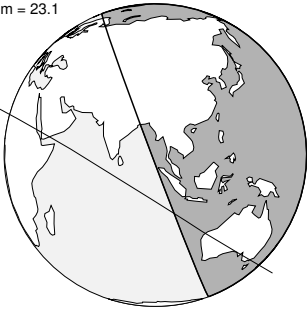
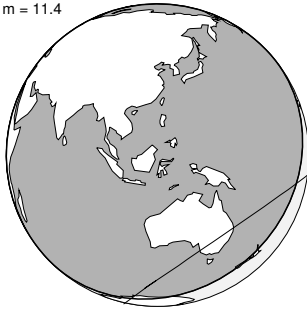
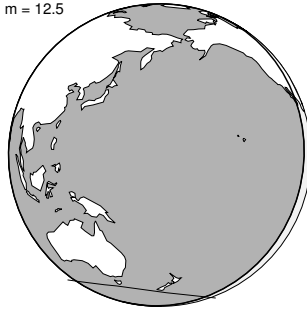
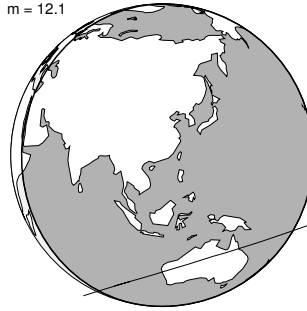
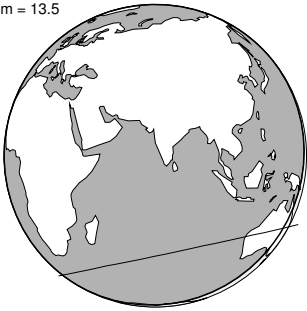
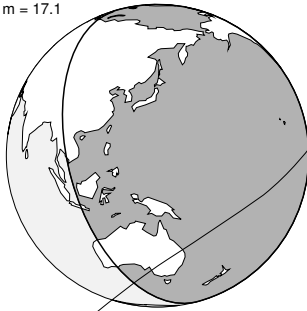
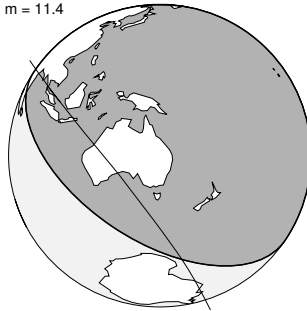
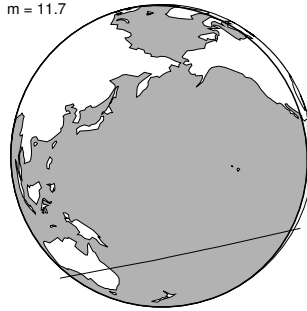
# Occultations by major and minor planets – 2023

# Region 8

<p><b>2023 oct 29 17h20.5m</b> A23_10102 986 Amelia TYC 1373–01678–1 Diam = 53.0 m = 12.3 m = 14.9</p>  <p>Dur = 6.4s Dmag = 2.8 Sun: 103° Moon: 65°</p>	<p><b>2023 oct 30 12h14.8m</b> A23_10133 2001QW322 UCAC4 386–151173 Diam = 109.6 m = 11.3 m = 24.6</p>  <p>Dur = 13.6s Dmag = 13.3 Sun: 115° Moon: 86°</p>	<p><b>2023 oct 31 18h25.4m</b> A23_10079 491 Carina TYC 4814–00939–1 Diam = 101.0 m = 11.4 m = 13.8</p>  <p>Dur = 10.2s Dmag = 2.6 Sun: 108° Moon: 42°</p>	<p><b>2023 nov 2 11h26.0m</b> A23_11011 18 Melpomene TYC 4711–00726–1 Diam = 135.0 m = 11.2 m = 8.1</p>  <p>Dur = 22.4s Dmag = 0.1 Sun: 158° Moon: 58°</p>
<p><b>2023 nov 2 17h29.5m</b> A23_11024 92 Undina TYC 1369–00709–1 Diam = 132.0 m = 10.5 m = 12.4</p>  <p>Dur = 20.3s Dmag = 2.1 Sun: 105° Moon: 15°</p>	<p><b>2023 nov 3 8h41.2m</b> A23_11047 203 Pompeja UCAC4 327–177399 Diam = 120.0 m = 12.3 m = 14.7</p>  <p>Dur = 4.0s Dmag = 2.5 Sun: 63° Moon: 175°</p>	<p><b>2023 nov 3 15h27.5m</b> B23_11009 600217 2011QY100 Gaia 088–0041825 Diam = 95.1 m = 12.6 m = 21.4</p>  <p>Dur = 8.6s Dmag = 8.8 Sun: 114° Moon: 32°</p>	<p><b>2023 nov 3 17h23.6m</b> A23_11129 1263 Varsavia UCAC4 391–039606 Diam = 50.7 m = 12.2 m = 14.7</p>  <p>Dur = 3.4s Dmag = 2.6 Sun: 94° Moon: 39°</p>
<p><b>2023 nov 3 19h11.9m</b> A23_11117 849 Ara UCAC4 450–044668 Diam = 100.0 m = 11.8 m = 14.6</p>  <p>Dur = 6.3s Dmag = 2.9 Sun: 91° Moon: 28°</p>	<p><b>2023 nov 6 13h10.2m</b> A23_11144 4489 Dracius TYC 1306–00698–1 Diam = 66.1 m = 10.6 m = 16.1</p>  <p>Dur = 6.2s Dmag = 5.5 Sun: 138° Moon: 62°</p>	<p><b>2023 nov 7 11h16.5m</b> A23_11088 481 Erita TYC 1254–00697–1 Diam = 116.0 m = 11.6 m = 11.6</p>  <p>Dur = 13.2s Dmag = 0.8 Sun: 162° Moon: 96°</p>	<p><b>2023 nov 7 13h20.1m</b> A23_11139 2765 Dinant TYC 0602–00385–1 Diam = 46.6 m = 10.6 m = 16.7</p>  <p>Dur = 5.0s Dmag = 6.1 Sun: 145° Moon: 143°</p>
<p><b>2023 nov 8 12h35.3m</b> A23_11010 15 Eunomia UCAC4 362–187325 Diam = 272.0 m = 12.1 m = 10.3</p>  <p>Dur = 9.5s Dmag = 0.2 Sun: 66° Moon: 122°</p>	<p><b>2023 nov 10 13h30.9m</b> A23_11094 503 Evelyn UCAC4 548–008846 Diam = 79.5 m = 12.4 m = 12.3</p>  <p>Dur = 9.2s Dmag = 0.7 Sun: 162° Moon: 130°</p>	<p><b>2023 nov 10 14h42.7m</b> A23_11057 253 Mathilde TYC 0693–00606–1 Diam = 61.0 m = 11.0 m = 13.8</p>  <p>Dur = 6.7s Dmag = 2.8 Sun: 150° Moon: 119°</p>	<p><b>2023 nov 10 19h16.5m</b> A23_11074 389 Industria UCAC4 598–021666 Diam = 81.0 m = 11.9 m = 12.1</p>  <p>Dur = 11.7s Dmag = 0.8 Sun: 143° Moon: 113°</p>

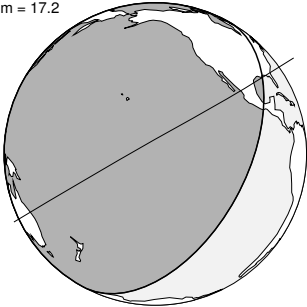
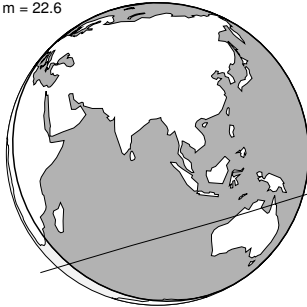
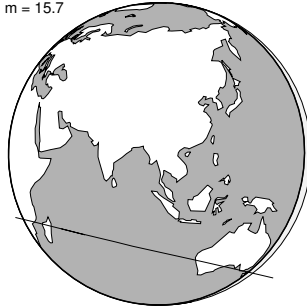
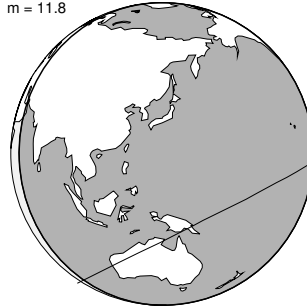
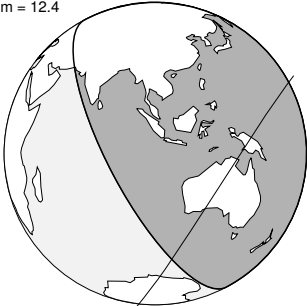
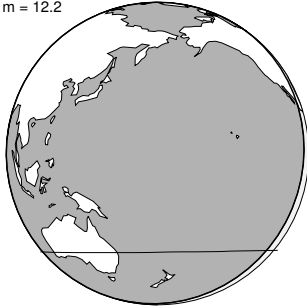
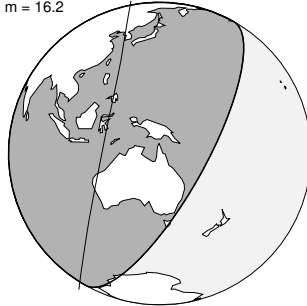
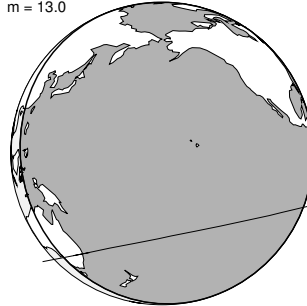
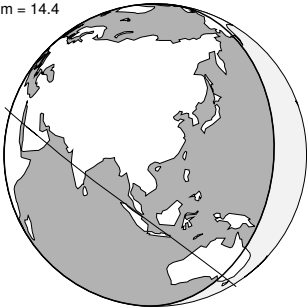
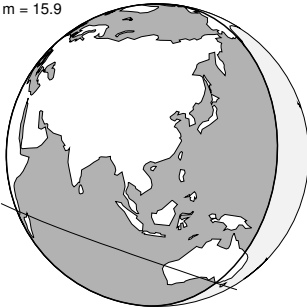
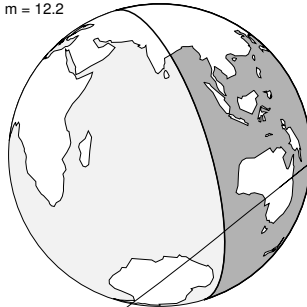
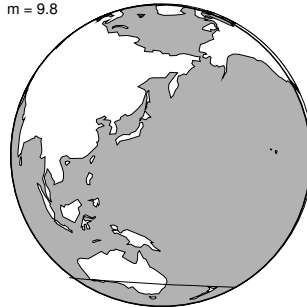
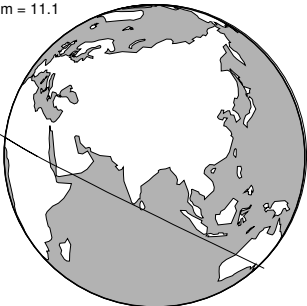
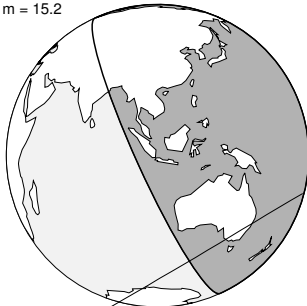
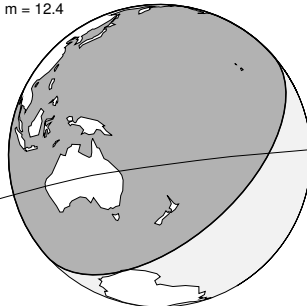
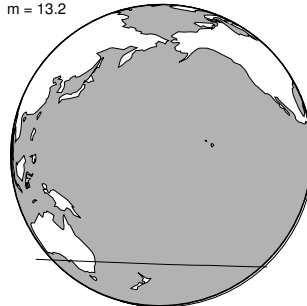
# Occultations by major and minor planets – 2023

# Region 8

<p><b>2023 nov 13 15h31.3m</b> A23_11039 159 Aemilia UCAC4 530-017639 Diam = 131.0 m = 12.4 m = 12.6</p>  <p>Dur = 20.4s Dmag = 0.8 Sun: 143° Moon: 145°</p>	<p><b>2023 nov 13 15h54.9m</b> A23_11132 1628 Strobel UCAC5 432-004934 Diam = 59.1 m = 12.4 m = 14.3</p>  <p>Dur = 4.5s Dmag = 2.1 Sun: 156° Moon: 154°</p>	<p><b>2023 nov 16 16h27.7m</b> A23_11107 638 Moira PPMX 7210748 Diam = 68.0 m = 12.4 m = 15.2</p>  <p>Dur = 3.4s Dmag = 2.9 Sun: 84° Moon: 125°</p>	<p><b>2023 nov 16 17h 9.7m</b> A23_11059 253 Mathilde TYC 0692-01416-1 Diam = 61.0 m = 11.2 m = 13.6</p>  <p>Dur = 5.9s Dmag = 2.5 Sun: 157° Moon: 154°</p>
<p><b>2023 nov 18 20h 5.4m</b> P23_11001 Venus FK6 5124 Diam = 12104.0 m = 6.7 m = -4.2</p>  <p>Dur = 399.5s Dmag = 0.0 Sun: 44° Moon: 114°</p>	<p><b>2023 nov 20 13h34.6m</b> A23_11053 239 Adrastea UCAC4 520-017622 Diam = 43.0 m = 11.7 m = 13.9</p>  <p>Dur = 6.4s Dmag = 2.3 Sun: 147° Moon: 118°</p>	<p><b>2023 nov 21 14h57.8m</b> B23_11012 2005VZ122 UCAC4 517-025273 Diam = 151.4 m = 13.9 m = 22.9</p>  <p>Dur = 7.8s Dmag = 9.0 Sun: 141° Moon: 111°</p>	<p><b>2023 nov 23 12h31.2m</b> A23_11116 816 Juliana PPMX 9955414 Diam = 62.5 m = 12.1 m = 15.7</p>  <p>Dur = 8.8s Dmag = 3.6 Sun: 130° Moon: 18°</p>
<p><b>2023 nov 24 11h19.9m</b> B23_11008 591370 2013ME14 UCAC4 501-143401 Diam = 55.7 m = 13.8 m = 23.1</p>  <p>Dur = 5.9s Dmag = 9.3 Sun: 91° Moon: 55°</p>	<p><b>2023 nov 24 17h 0.6m</b> A23_11090 485 Genua TYC 0103-00761-1 Diam = 68.2 m = 10.9 m = 11.4</p>  <p>Dur = 7.2s Dmag = 1.1 Sun: 155° Moon: 52°</p>	<p><b>2023 nov 25 13h48.4m</b> A23_11093 498 Tokio TYC 1283-01226-1 Diam = 84.8 m = 10.5 m = 12.5</p>  <p>Dur = 7.4s Dmag = 2.2 Sun: 162° Moon: 41°</p>	<p><b>2023 nov 25 14h38.1m</b> A23_11025 93 Minerva TYC 1766-00624-1 Diam = 170.8 m = 11.5 m = 12.1</p>  <p>Dur = 14.6s Dmag = 1.1 Sun: 158° Moon: 8°</p>
<p><b>2023 nov 25 19h38.7m</b> A23_11060 253 Mathilde UCAC4 510-008543 Diam = 61.0 m = 12.0 m = 13.5</p>  <p>Dur = 5.4s Dmag = 1.8 Sun: 166° Moon: 31°</p>	<p><b>2023 nov 26 10h35.7m</b> A23_11140 2765 Dinant TYC 0602-00306-1 Diam = 46.6 m = 9.9 m = 17.1</p>  <p>Dur = 20.0s Dmag = 7.2 Sun: 126° Moon: 42°</p>	<p><b>2023 nov 27 11h57.1m</b> A23_11038 148 Gallia HIP 10277 Diam = 104.0 m = 8.7 m = 11.4</p>  <p>Dur = 16.2s Dmag = 2.8 Sun: 124° Moon: 59°</p>	<p><b>2023 nov 27 13h28.4m</b> A23_11075 389 Industria UCAC4 595-018290 Diam = 81.0 m = 12.0 m = 11.7</p>  <p>Dur = 7.2s Dmag = 0.6 Sun: 162° Moon: 15°</p>

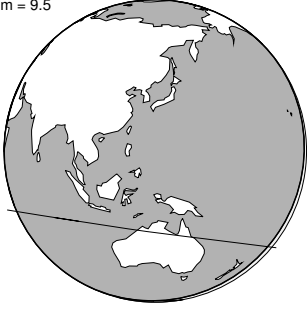
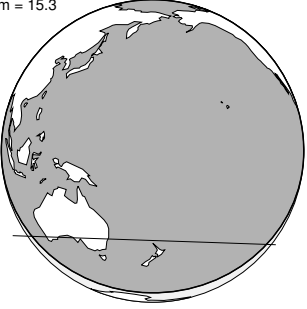
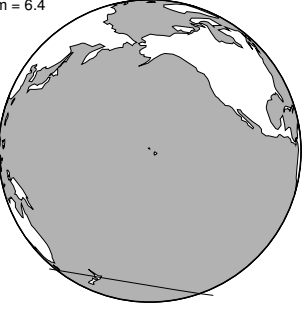
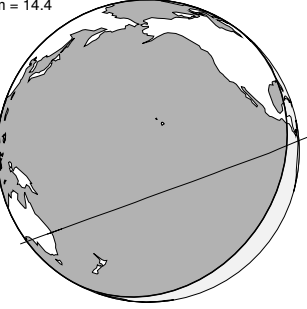
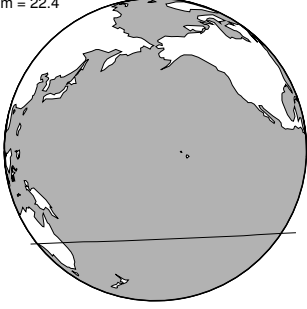
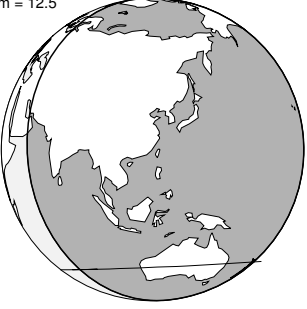
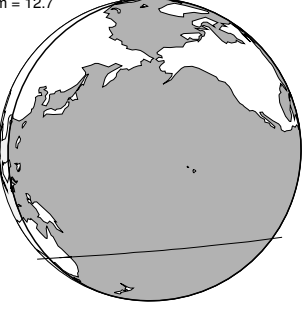
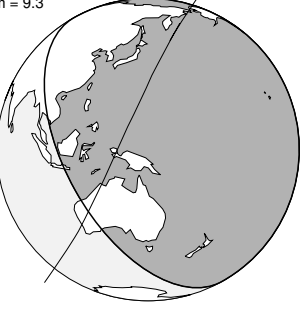
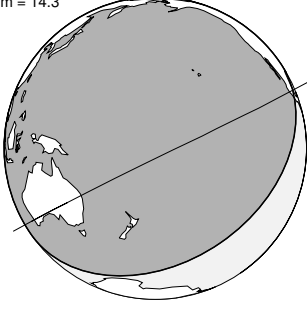
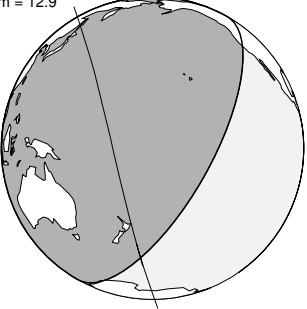
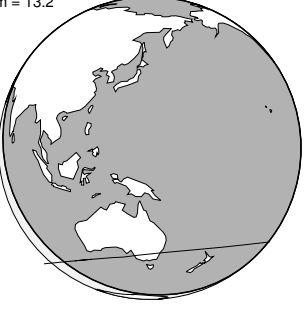
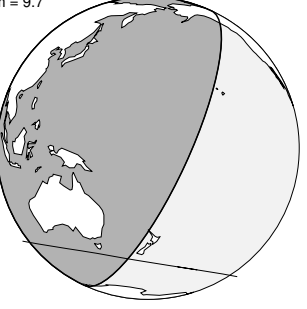
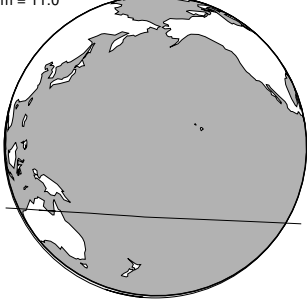
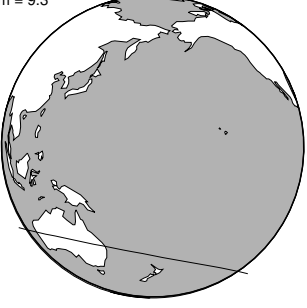
# Occultations by major and minor planets – 2023

# Region 8

<p><b>2023 nov 28 12h38.5m</b> A23_11138 2759 Idomeneus UCAC4 442-036826 Diam = 73.3 m = 12.5 m = 17.2</p>  <p>Dur = 7.8s Dmag = 4.7 Sun: 127° Moon: 44°</p>	<p><b>2023 nov 28 16h34.5m</b> B23_11007 547616 2010TR195 UCAC4 493-004523 Diam = 114.8 m = 14.4 m = 22.6</p>  <p>Dur = 5.1s Dmag = 8.2 Sun: 158° Moon: 38°</p>	<p><b>2023 nov 28 18h26.8m</b> A23_11146 4489 Dracius TYC 1305-00453-1 Diam = 66.1 m = 9.4 m = 15.7</p>  <p>Dur = 3.9s Dmag = 6.3 Sun: 162° Moon: 8°</p>	<p><b>2023 nov 30 13h22.4m</b> A23_11054 241 Germania PPMX 5875024 Diam = 169.0 m = 12.3 m = 11.8</p>  <p>Dur = 15.7s Dmag = 0.6 Sun: 160° Moon: 57°</p>
<p><b>2023 dec 1 12h40.8m</b> A23_12114 563 Suleika HIP 770 Diam = 54.8 m = 9.5 m = 12.4</p>  <p>Dur = 5.0s Dmag = 3.0 Sun: 108° Moon: 121°</p>	<p><b>2023 dec 2 13h30.6m</b> A23_12058 159 Aemilia TYC 1297-01190-1 Diam = 131.0 m = 9.1 m = 12.2</p>  <p>Dur = 12.0s Dmag = 3.1 Sun: 163° Moon: 48°</p>	<p><b>2023 dec 2 18h33.4m</b> A23_12160 1583 Antiochus TYC 5455-01746-1 Diam = 109.0 m = 11.8 m = 16.2</p>  <p>Dur = 8.0s Dmag = 4.4 Sun: 107° Moon: 36°</p>	<p><b>2023 dec 3 9h41.5m</b> A23_12044 90 Antiope TYC 1225-00202-1 Diam = 125.0 m = 12.1 m = 13.0</p>  <p>Dur = 11.0s Dmag = 1.3 Sun: 158° Moon: 91°</p>
<p><b>2023 dec 5 19h23.9m</b> A23_12144 986 Amelia TYC 1915-01781-1 Diam = 53.0 m = 10.3 m = 14.4</p>  <p>Dur = 5.2s Dmag = 4.1 Sun: 141° Moon: 58°</p>	<p><b>2023 dec 8 19h11.4m</b> A23_12169 1841 Masaryk HIP 37788 Diam = 53.3 m = 8.4 m = 15.9</p>  <p>Dur = 7.4s Dmag = 7.5 Sun: 142° Moon: 92°</p>	<p><b>2023 dec 9 11h53.1m</b> A23_12018 13 Egeria TYC 6955-00428-1 Diam = 215.0 m = 11.6 m = 12.2</p>  <p>Dur = 7.8s Dmag = 1.1 Sun: 70° Moon: 112°</p>	<p><b>2023 dec 10 14h30.8m</b> A23_12024 37 Fides TYC 1874-01162-1 Diam = 112.0 m = 10.2 m = 9.8</p>  <p>Dur = 13.7s Dmag = 0.6 Sun: 168° Moon: 140°</p>
<p><b>2023 dec 13 18h48.6m</b> A23_12131 776 Berbericia TYC 1871-00434-1 Diam = 121.3 m = 10.8 m = 11.1</p>  <p>Dur = 9.0s Dmag = 0.9 Sun: 170° Moon: 178°</p>	<p><b>2023 dec 15 11h33.3m</b> A23_12120 627 Charis UCAC4 424-000326 Diam = 51.0 m = 12.3 m = 15.2</p>  <p>Dur = 3.9s Dmag = 3.0 Sun: 98° Moon: 65°</p>	<p><b>2023 dec 15 15h 5.2m</b> A23_12117 582 Olympia TYC 5990-01429-1 Diam = 47.0 m = 11.6 m = 12.4</p>  <p>Dur = 16.1s Dmag = 1.2 Sun: 124° Moon: 135°</p>	<p><b>2023 dec 19 12h14.6m</b> A23_12050 125 Liberatrix TYC 1315-00303-1 Diam = 47.5 m = 10.9 m = 13.2</p>  <p>Dur = 3.5s Dmag = 2.4 Sun: 169° Moon: 101°</p>

# Occultations by major and minor planets – 2023

# Region 8

<p><b>2023 dec 19 15h52.8m</b> A23_12006 5 Astraea UCAC4 531-027774 Diam = 125.0 m = 11.9 m = 9.5</p>  <p>Dur = 14.8s Dmag = 0.1 Sun: 167° Moon: 102°</p>	<p><b>2023 dec 20 12h25.7m</b> A23_12182 4060 Deipylos TYC 0120-00155-1 Diam = 69.2 m = 10.8 m = 15.3</p>  <p>Dur = 4.5s Dmag = 4.5 Sun: 159° Moon: 80°</p>	<p><b>2023 dec 21 10h30.7m</b> A23_12004 4 Vesta UCAC4 553-020992 Diam = 523.2 m = 12.5 m = 6.4</p>  <p>Dur = 40.8s Dmag = 0.0 Sun: 177° Moon: 69°</p>	<p><b>2023 dec 21 12h24.1m</b> A23_12161 1596 Itzigsohn TYC 0765-00305-1 Diam = 51.1 m = 11.0 m = 14.4</p>  <p>Dur = 4.7s Dmag = 3.4 Sun: 152° Moon: 93°</p>
<p><b>2023 dec 22 10h56.9m</b> B23_12005 535168 2014XU40 UCAC4 564-019180 Diam = 158.5 m = 14.4 m = 22.4</p>  <p>Dur = 6.4s Dmag = 7.9 Sun: 176° Moon: 52°</p>	<p><b>2023 dec 22 13h33.3m</b> A23_12037 70 Panopaea TYC 1802-01214-1 Diam = 127.0 m = 9.7 m = 12.5</p>  <p>Dur = 14.7s Dmag = 2.9 Sun: 145° Moon: 21°</p>	<p><b>2023 dec 26 10h 6.1m</b> A23_12067 210 Isabella UCAC4 596-014323 Diam = 90.0 m = 11.9 m = 12.7</p>  <p>Dur = 10.6s Dmag = 1.3 Sun: 159° Moon: 13°</p>	<p><b>2023 dec 26 10h46.9m</b> A23_12020 18 Melpomene TYC 4699-00205-1 Diam = 135.0 m = 10.6 m = 9.3</p>  <p>Dur = 19.6s Dmag = 0.3 Sun: 123° Moon: 52°</p>
<p><b>2023 dec 27 13h 9.2m</b> A23_12153 1264 Letaba TYC 5416-01551-1 Diam = 77.5 m = 11.8 m = 14.3</p>  <p>Dur = 5.3s Dmag = 2.6 Sun: 139° Moon: 41°</p>	<p><b>2023 dec 27 15h28.1m</b> A23_12101 478 Tergeste UCAC4 411-050740 Diam = 82.0 m = 12.5 m = 12.9</p>  <p>Dur = 10.4s Dmag = 1.0 Sun: 112° Moon: 62°</p>	<p><b>2023 dec 28 13h15.8m</b> A23_12066 205 Martha UCAC4 499-012311 Diam = 83.5 m = 12.5 m = 13.2</p>  <p>Dur = 7.4s Dmag = 1.1 Sun: 160° Moon: 37°</p>	<p><b>2023 dec 28 17h19.0m</b> A23_12001 3 Juno TYC 4922-00521-1 Diam = 257.6 m = 10.8 m = 9.7</p>  <p>Dur = 36.6s Dmag = 0.3 Sun: 105° Moon: 56°</p>
<p><b>2023 dec 29 11h22.6m</b> A23_12032 48 Doris TYC 0742-01408-1 Diam = 219.0 m = 11.0 m = 11.0</p>  <p>Dur = 17.9s Dmag = 0.7 Sun: 169° Moon: 35°</p>	<p><b>2023 dec 30 12h13.1m</b> A23_12009 5 Astraea PPMX 6030457 Diam = 125.0 m = 12.5 m = 9.3</p>  <p>Dur = 13.8s Dmag = 0.1 Sun: 172° Moon: 44°</p>		