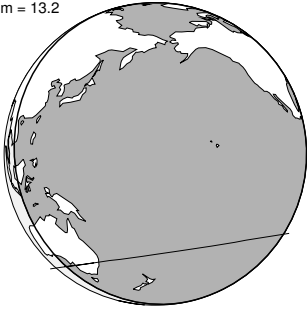
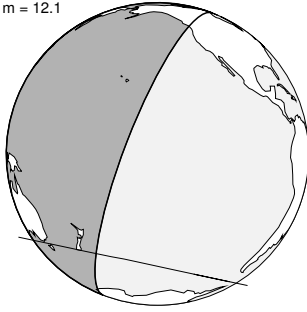
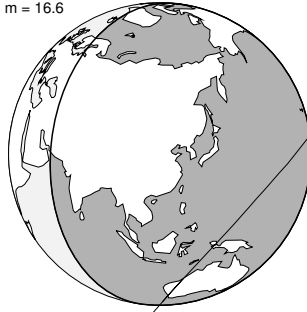
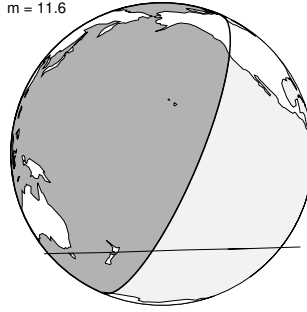
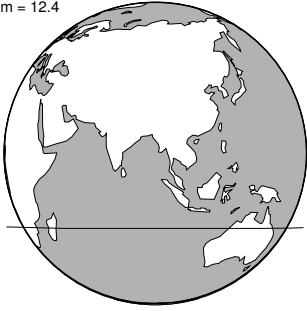
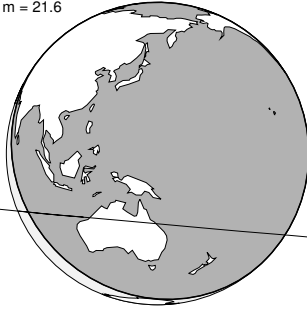
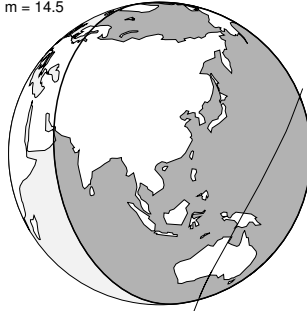
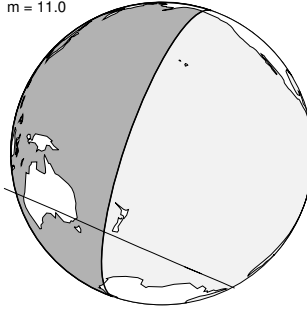
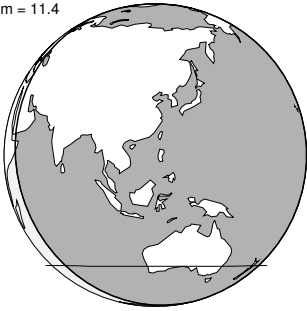

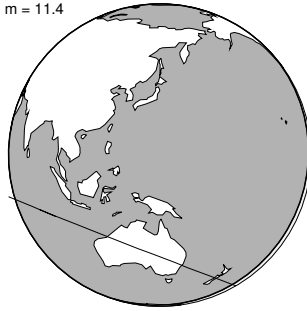
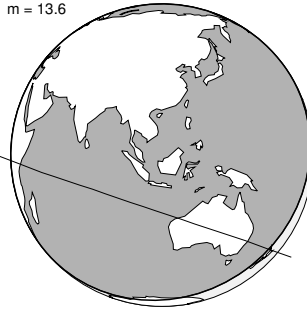
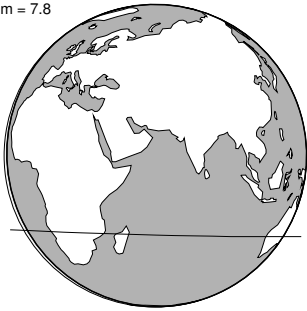
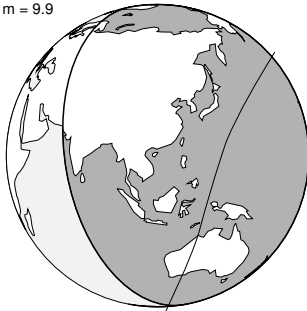
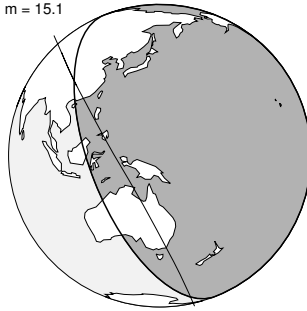
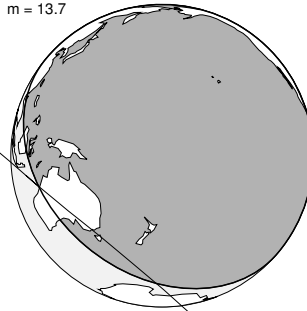


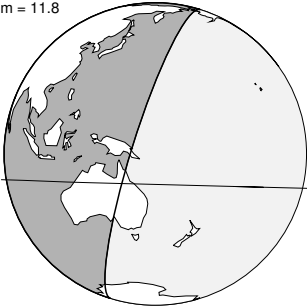
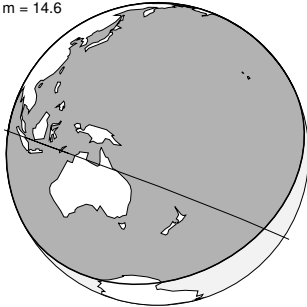
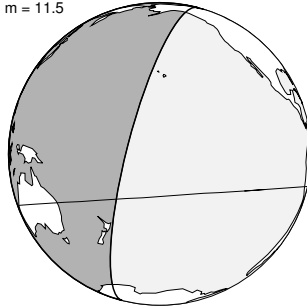
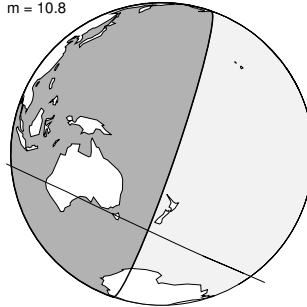
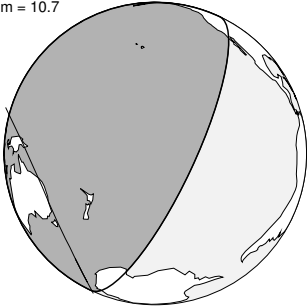
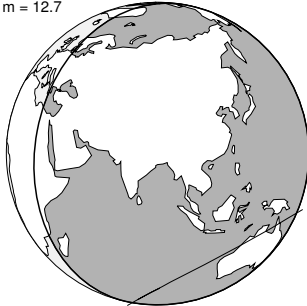
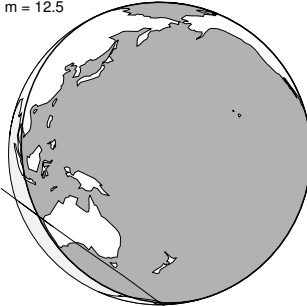
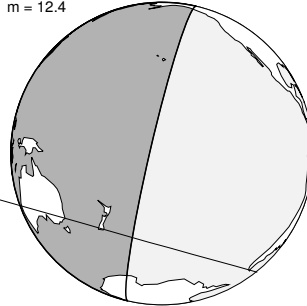
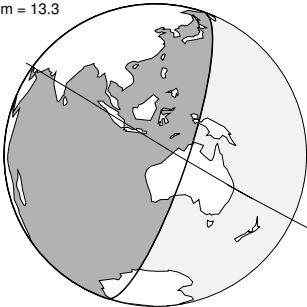
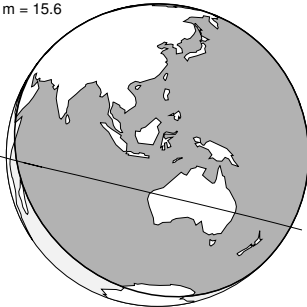
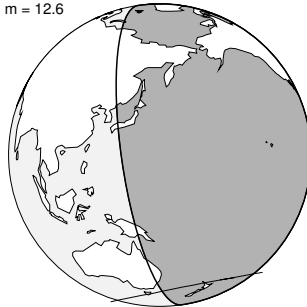
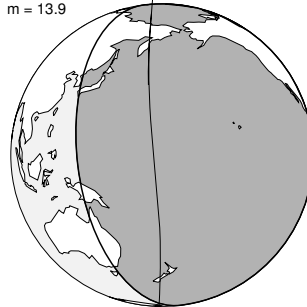
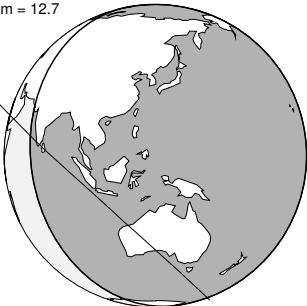
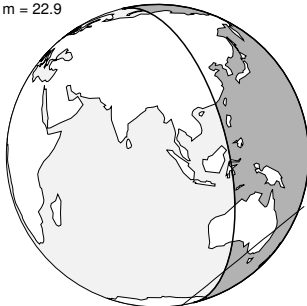
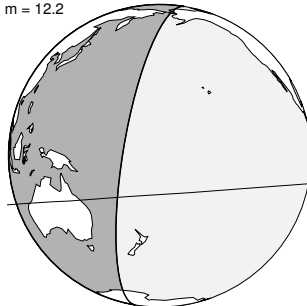
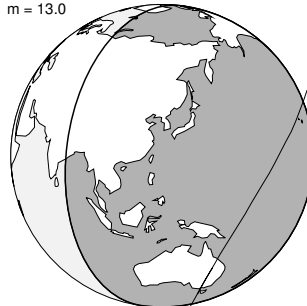
# Occultations by major and minor planets – 2022

# Region 8

<p><b>2022 jan 1 10h37.0m</b> A22_01069 336 Lacadiera UCAC4 541-013129 Diam = 72.0 m = 12.1 m = 13.2</p>  <p>Dur = 6.9s Dmag = 1.5 Sun: 157° Moon: 173°</p>	<p><b>2022 jan 5 16h16.8m</b> A22_01018 51 Nemausa UCAC4 402-055392 Diam = 152.3 m = 12.1 m = 12.1</p>  <p>Dur = 6.0s Dmag = 0.8 Sun: 77° Moon: 117°</p>	<p><b>2022 jan 6 13h25.0m</b> A22_01158 4543 Phoinix UCAC4 639-015491 Diam = 47.9 m = 12.4 m = 16.6</p>  <p>Dur = 4.5s Dmag = 4.2 Sun: 136° Moon: 89°</p>	<p><b>2022 jan 6 15h48.4m</b> A22_01013 39 Laetitia TYC 0280-00775-1 Diam = 159.0 m = 9.6 m = 11.6</p>  <p>Dur = 19.2s Dmag = 2.1 Sun: 104° Moon: 157°</p>
<p><b>2022 jan 7 17h57.5m</b> A22_01046 179 Klytaemnestra UCAC4 527-039715 Diam = 81.0 m = 12.5 m = 12.4</p>  <p>Dur = 5.8s Dmag = 0.7 Sun: 172° Moon: 114°</p>	<p><b>2022 jan 9 13h 6.0m</b> B22_01007 2003UT292 UCAC4 485-020062 Diam = 158.5 m = 13.7 m = 21.6</p>  <p>Dur = 6.9s Dmag = 7.9 Sun: 158° Moon: 78°</p>	<p><b>2022 jan 9 13h35.5m</b> A22_01143 1189 Terentia UCAC4 575-009856 Diam = 58.3 m = 12.4 m = 14.5</p>  <p>Dur = 10.9s Dmag = 2.3 Sun: 134° Moon: 47°</p>	<p><b>2022 jan 10 17h44.7m</b> A22_01007 10 Hygiea TYC 6137-00415-1 Diam = 429.0 m = 10.9 m = 11.0</p>  <p>Dur = 17.0s Dmag = 0.8 Sun: 75° Moon: 173°</p>
<p><b>2022 jan 11 14h36.6m</b> A22_01012 32 Pomona TYC 1312-01402-1 Diam = 82.0 m = 11.3 m = 11.4</p>  <p>Dur = 8.0s Dmag = 0.8 Sun: 156° Moon: 47°</p>	<p><b>2022 jan 15 15h19.5m</b> A22_01037 138 Tolosa TYC 1902-00892-1 Diam = 47.5 m = 11.4 m = 12.7</p>  <p>Dur = 3.7s Dmag = 1.5 Sun: 166° Moon: 13°</p>	<p><b>2022 jan 16 15h26.8m</b> A22_01015 45 Eugenia TYC 0809-00152-1 Diam = 214.0 m = 11.7 m = 11.4</p>  <p>Dur = 17.6s Dmag = 0.6 Sun: 167° Moon: 28°</p>	<p><b>2022 jan 19 17h38.0m</b> A22_01105 635 Vundtia TYC 0221-00952-1 Diam = 100.0 m = 12.1 m = 13.6</p>  <p>Dur = 8.2s Dmag = 1.7 Sun: 159° Moon: 18°</p>
<p><b>2022 jan 21 19h22.2m</b> A22_01006 7 Iris TYC 1360-01710-1 Diam = 329.6 m = 12.0 m = 7.8</p>  <p>Dur = 39.3s Dmag = 0.0 Sun: 168° Moon: 55°</p>	<p><b>2022 jan 24 13h 6.6m</b> A22_01014 44 Nysa UCAC4 544-010345 Diam = 73.3 m = 11.0 m = 9.9</p>  <p>Dur = 29.6s Dmag = 0.3 Sun: 127° Moon: 129°</p>	<p><b>2022 jan 25 10h23.7m</b> A22_01055 225 Henrietta UCAC4 450-006599 Diam = 124.0 m = 12.1 m = 15.1</p>  <p>Dur = 18.7s Dmag = 3.1 Sun: 117° Moon: 144°</p>	<p><b>2022 jan 25 10h28.0m</b> A22_01113 754 Malabar UCAC4 397-017327 Diam = 89.1 m = 12.4 m = 13.7</p>  <p>Dur = 7.0s Dmag = 1.6 Sun: 141° Moon: 107°</p>

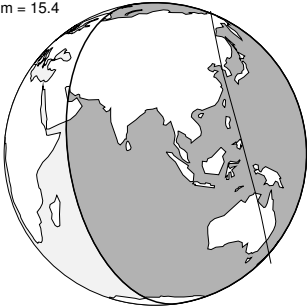
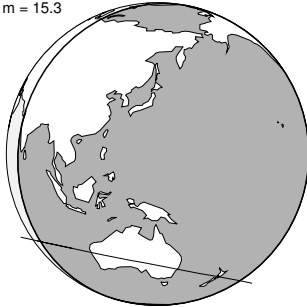
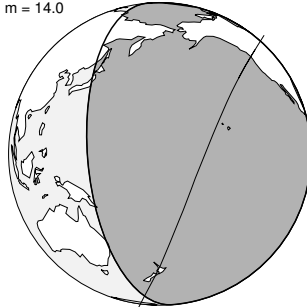
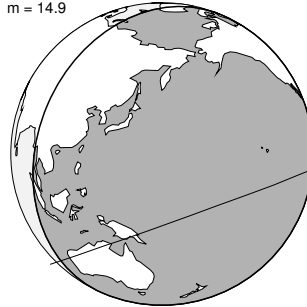
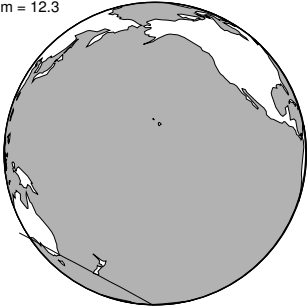
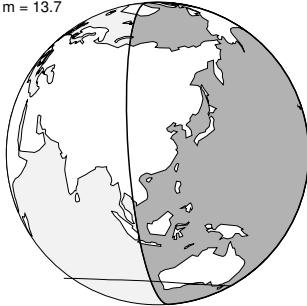
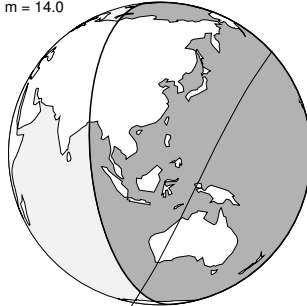
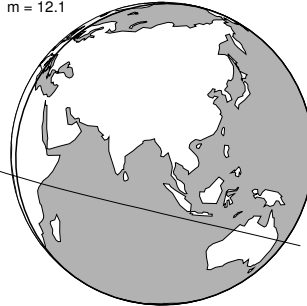
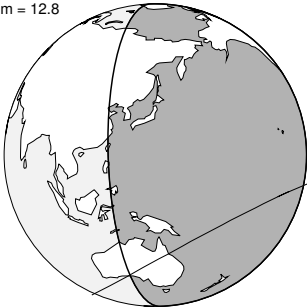
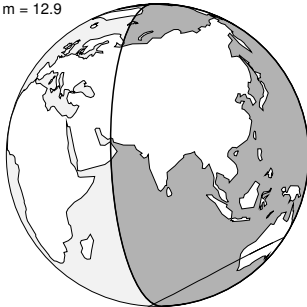
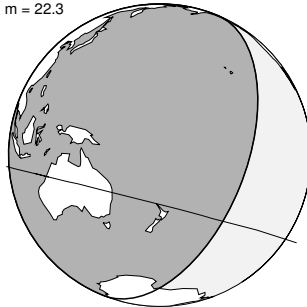
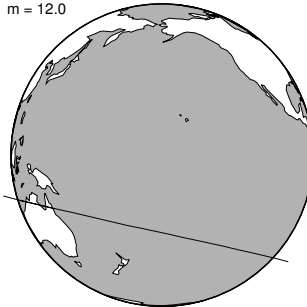
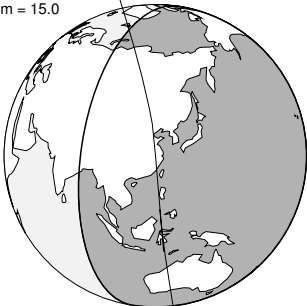
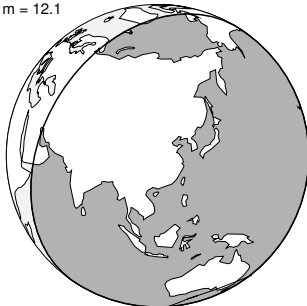
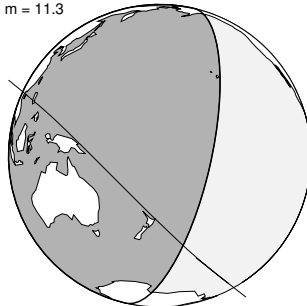
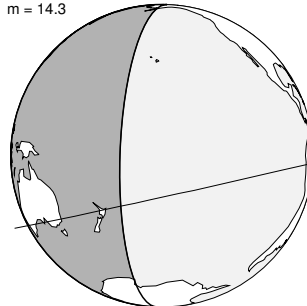
# Occultations by major and minor planets – 2022

# Region 8

<p><b>2022 jan 27 20h13.2m</b> A22_01010 18 Melpomene TYC 5580-00487-1 Diam = 135.0 m = 9.6 m = 11.8</p>  <p>Dur = 6.5s Dmag = 2.4 Sun: 80° Moon: 22°</p>	<p><b>2022 feb 2 14h13.1m</b> A22_02132 2235 Vittore TYC 5488-00300-1 Diam = 54.6 m = 11.8 m = 14.6</p>  <p>Dur = 6.7s Dmag = 2.9 Sun: 145° Moon: 150°</p>	<p><b>2022 feb 3 17h23.0m</b> A22_02011 41 Daphne TYC 5605-00014-1 Diam = 182.0 m = 10.8 m = 11.5</p>  <p>Dur = 6.2s Dmag = 1.1 Sun: 77° Moon: 111°</p>	<p><b>2022 feb 4 18h 6.3m</b> A22_02001 10 Hygiea UCAC4 356-069896 Diam = 429.0 m = 12.1 m = 10.8</p>  <p>Dur = 28.0s Dmag = 0.3 Sun: 95° Moon: 140°</p>
<p><b>2022 feb 7 14h35.3m</b> A22_02004 15 Eunomia TYC 6719-00618-1 Diam = 272.0 m = 11.1 m = 10.7</p>  <p>Dur = 30.5s Dmag = 0.6 Sun: 104° Moon: 164°</p>	<p><b>2022 feb 8 15h57.0m</b> A22_02097 762 Pulcova TYC 1899-00094-1 Diam = 142.0 m = 9.8 m = 12.7</p>  <p>Dur = 16.5s Dmag = 3.0 Sun: 144° Moon: 53°</p>	<p><b>2022 feb 10 11h14.0m</b> A22_02033 194 Prokne TYC 0193-00614-1 Diam = 174.0 m = 11.7 m = 12.5</p>  <p>Dur = 11.4s Dmag = 1.3 Sun: 154° Moon: 50°</p>	<p><b>2022 feb 11 16h39.9m</b> A22_02007 26 Proserpina UCAC4 357-073392 Diam = 98.7 m = 11.5 m = 12.4</p>  <p>Dur = 4.7s Dmag = 1.3 Sun: 85° Moon: 151°</p>
<p><b>2022 feb 11 21h12.7m</b> A22_02013 47 Aglaja TYC 6152-00610-1 Diam = 137.0 m = 11.3 m = 13.3</p>  <p>Dur = 13.0s Dmag = 2.1 Sun: 102° Moon: 132°</p>	<p><b>2022 feb 12 15h 5.3m</b> A22_02137 3139 Shantou UCAC4 413-046132 Diam = 45.6 m = 11.8 m = 15.6</p>  <p>Dur = 3.4s Dmag = 3.8 Sun: 151° Moon: 43°</p>	<p><b>2022 feb 13 8h44.4m</b> A22_02021 106 Dione TYC 1816-00263-1 Diam = 146.9 m = 10.5 m = 12.6</p>  <p>Dur = 14.5s Dmag = 2.3 Sun: 104° Moon: 37°</p>	<p><b>2022 feb 18 9h 0.2m</b> A22_02022 136 Austria TYC 0735-01974-1 Diam = 41.7 m = 11.6 m = 13.9</p>  <p>Dur = 8.3s Dmag = 2.3 Sun: 124° Moon: 76°</p>
<p><b>2022 feb 19 13h18.1m</b> A22_02034 194 Prokne TYC 0192-00376-1 Diam = 174.0 m = 11.4 m = 12.7</p>  <p>Dur = 12.8s Dmag = 1.6 Sun: 145° Moon: 68°</p>	<p><b>2022 feb 21 10h10.1m</b> B22_02004 2013TY171 UCAC4 466-003121 Diam = 158.5 m = 13.8 m = 22.9</p>  <p>Dur = 8.0s Dmag = 9.1 Sun: 62° Moon: 171°</p>	<p><b>2022 feb 21 18h50.4m</b> A22_02057 387 Aquitania UCAC5 423-068045 Diam = 106.0 m = 12.5 m = 12.2</p>  <p>Dur = 3.7s Dmag = 0.6 Sun: 75° Moon: 45°</p>	<p><b>2022 feb 22 12h26.5m</b> A22_02098 762 Pulcova TYC 1898-01398-1 Diam = 142.0 m = 11.2 m = 13.0</p>  <p>Dur = 26.9s Dmag = 2.0 Sun: 129° Moon: 122°</p>

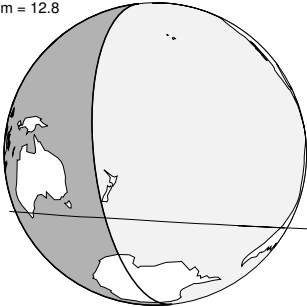
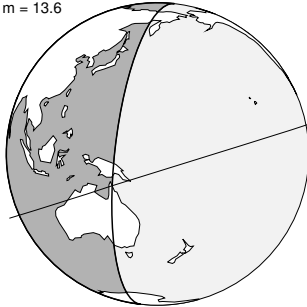
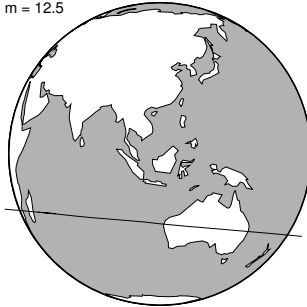
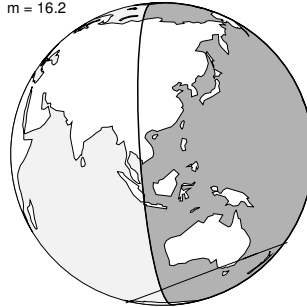
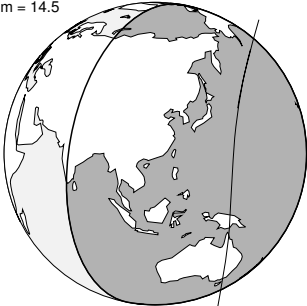
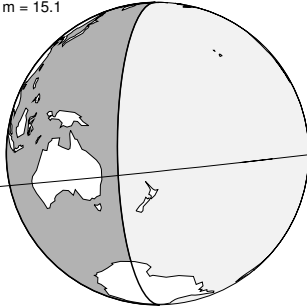
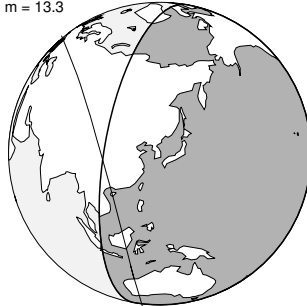
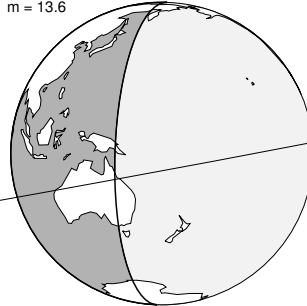
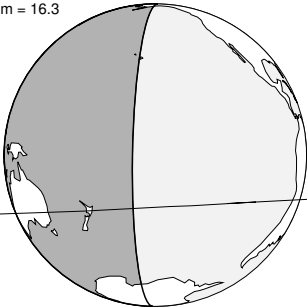
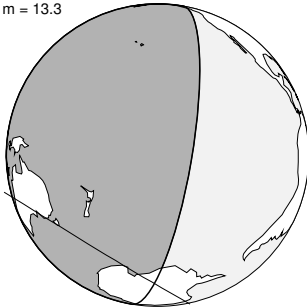
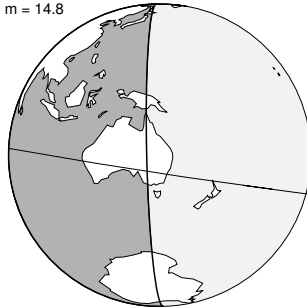
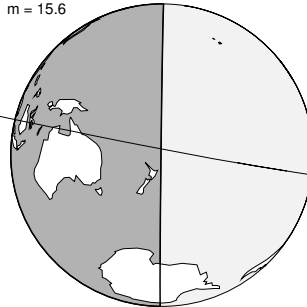
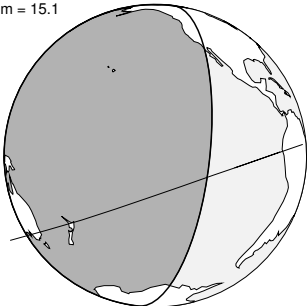
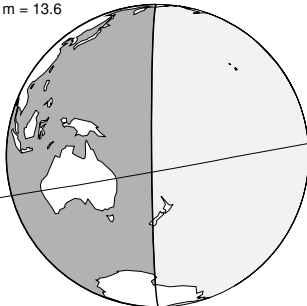
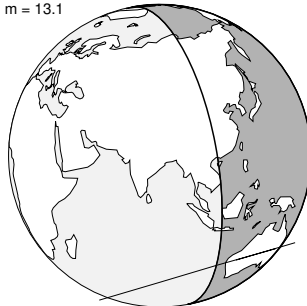
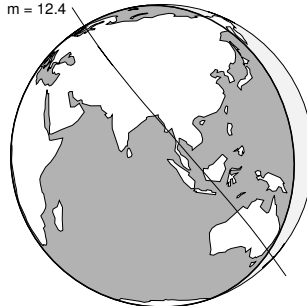
# Occultations by major and minor planets – 2022

# Region 8

<p><b>2022 feb 22 14h28.2m</b> A22_02119 1030 Vitja TYC 0155-02815-1 Diam = 65.5 m = 11.7 m = 15.4</p>  <p>Dur = 8.6s Dmag = 3.7 Sun: 125° Moon: 124°</p>	<p><b>2022 feb 23 13h 9.5m</b> A22_02061 406 Erna TYC 1394-01237-1 Diam = 53.8 m = 8.3 m = 15.3</p>  <p>Dur = 4.3s Dmag = 7.1 Sun: 156° Moon: 108°</p>	<p><b>2022 feb 24 8h20.8m</b> A22_02023 136 Austria TYC 0735-00379-1 Diam = 41.7 m = 11.9 m = 14.0</p>  <p>Dur = 7.4s Dmag = 2.2 Sun: 118° Moon: 153°</p>	<p><b>2022 feb 24 11h38.7m</b> A22_02123 1241 Dysona UCAC5 581-040197 Diam = 86.2 m = 12.5 m = 14.9</p>  <p>Dur = 6.3s Dmag = 2.5 Sun: 145° Moon: 131°</p>
<p><b>2022 feb 25 11h 5.2m</b> A22_02036 206 Hersilia UCAC5 493-054312 Diam = 76.6 m = 12.4 m = 12.3</p>  <p>Dur = 6.5s Dmag = 0.7 Sun: 174° Moon: 104°</p>	<p><b>2022 feb 25 11h11.8m</b> A22_02029 162 Laurentia UCAC4 597-015259 Diam = 105.0 m = 12.1 m = 13.7</p>  <p>Dur = 9.6s Dmag = 1.8 Sun: 101° Moon: 170°</p>	<p><b>2022 feb 25 12h 6.3m</b> A22_02024 136 Austria UCAC4 507-022704 Diam = 41.7 m = 12.2 m = 14.0</p>  <p>Dur = 7.1s Dmag = 2.0 Sun: 117° Moon: 163°</p>	<p><b>2022 feb 25 16h53.6m</b> A22_02019 91 Aegina TYC 1403-00933-1 Diam = 114.0 m = 11.0 m = 12.1</p>  <p>Dur = 12.2s Dmag = 1.5 Sun: 163° Moon: 130°</p>
<p><b>2022 feb 27 9h53.7m</b> A22_02072 487 Venetia UCAC4 560-019458 Diam = 64.0 m = 12.2 m = 12.8</p>  <p>Dur = 7.2s Dmag = 1.2 Sun: 108° Moon: 152°</p>	<p><b>2022 feb 27 14h11.9m</b> A22_02073 487 Venetia TYC 1311-01751-1 Diam = 64.0 m = 12.0 m = 12.9</p>  <p>Dur = 7.1s Dmag = 1.2 Sun: 107° Moon: 149°</p>	<p><b>2022 feb 27 15h56.3m</b> B22_02003 523698 2014GD54 UCAC5 371-064070 Diam = 189.7 m = 14.3 m = 22.3</p>  <p>Dur = 18.0s Dmag = 8.0 Sun: 124° Moon: 84°</p>	<p><b>2022 feb 28 11h 3.0m</b> A22_02035 200 Dynamene TYC 0259-01394-1 Diam = 132.0 m = 12.2 m = 12.0</p>  <p>Dur = 10.3s Dmag = 0.6 Sun: 176° Moon: 151°</p>
<p><b>2022 feb 28 12h17.4m</b> A22_02051 331 Etheridgea PPMX 4037977 Diam = 78.5 m = 12.1 m = 15.0</p>  <p>Dur = 25.7s Dmag = 3.0 Sun: 119° Moon: 149°</p>	<p><b>2022 feb 28 14h37.1m</b> A22_02032 187 Lamberta TYC 2486-02205-1 Diam = 135.0 m = 8.7 m = 12.1</p>  <p>Dur = 17.1s Dmag = 3.4 Sun: 139° Moon: 166°</p>	<p><b>2022 mar 1 16h40.1m</b> A22_03005 13 Egeria UCAC4 385-067986 Diam = 215.0 m = 11.8 m = 11.3</p>  <p>Dur = 30.6s Dmag = 0.6 Sun: 109° Moon: 97°</p>	<p><b>2022 mar 2 17h24.9m</b> A22_03105 694 Ekard UCAC5 354-106278 Diam = 92.7 m = 12.4 m = 14.3</p>  <p>Dur = 3.2s Dmag = 2.1 Sun: 73° Moon: 74°</p>

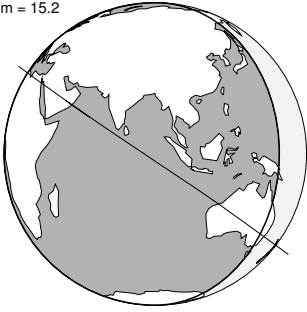
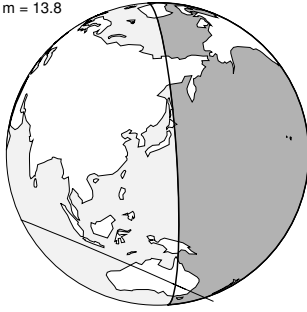
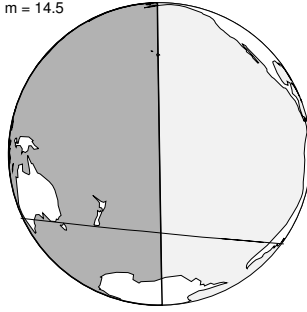
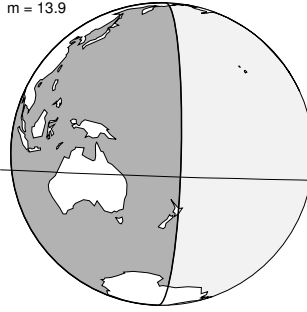
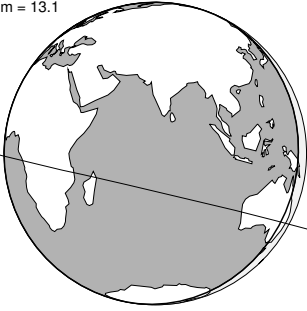
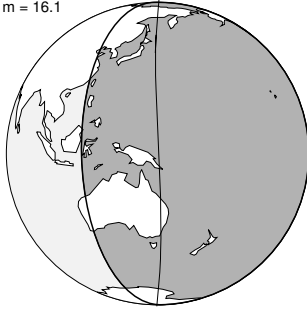
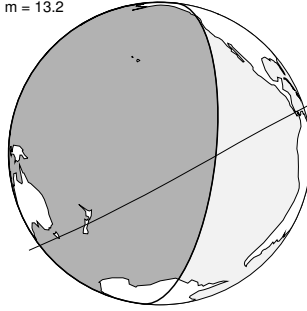
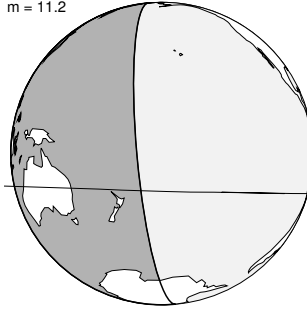
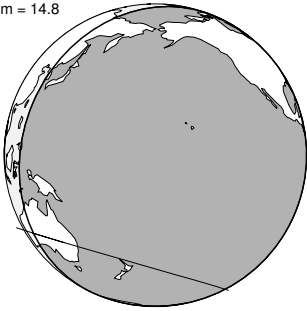
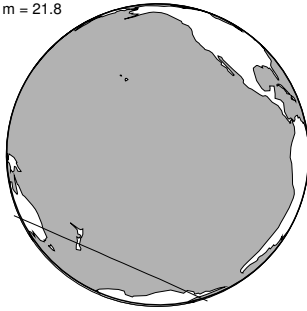
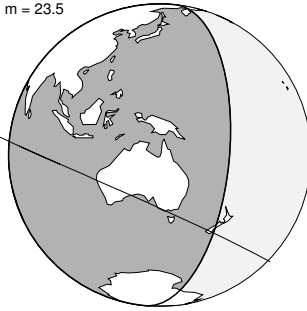
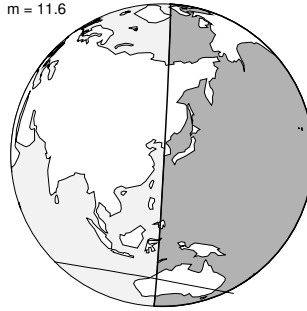
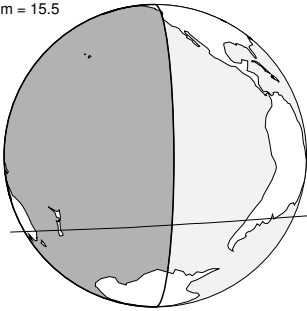
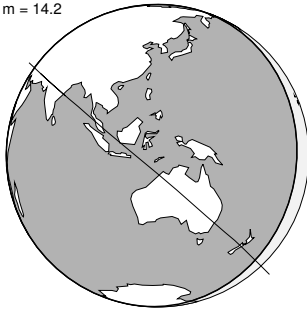
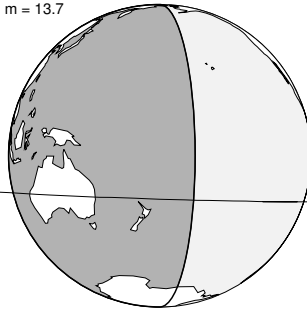
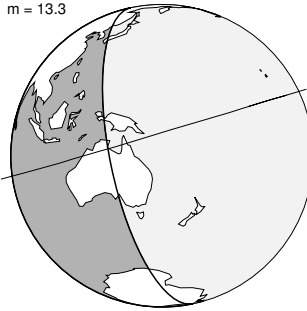
# Occultations by major and minor planets – 2022

# Region 8

<p><b>2022 mar 2 18h39.1m</b> A22_03030 93 Minerva UCAC4 297-193496 Diam = 170.8 m = 11.1 m = 12.8</p>  <p>Dur = 5.3s Dmag = 1.8 Sun: 65° Moon: 66°</p>	<p><b>2022 mar 4 20h33.5m</b> A22_03047 148 Gallia TYC 5096-00750-1 Diam = 104.0 m = 11.3 m = 13.6</p>  <p>Dur = 4.1s Dmag = 2.5 Sun: 73° Moon: 99°</p>	<p><b>2022 mar 5 16h29.5m</b> A22_03044 143 Adria TYC 0257-00586-1 Diam = 92.0 m = 11.5 m = 12.5</p>  <p>Dur = 7.4s Dmag = 1.4 Sun: 175° Moon: 140°</p>	<p><b>2022 mar 6 11h10.5m</b> A22_03144 2196 Ellicott TYC 0709-00545-1 Diam = 62.2 m = 10.2 m = 16.2</p>  <p>Dur = 5.5s Dmag = 5.9 Sun: 98° Moon: 53°</p>
<p><b>2022 mar 6 13h 0.4m</b> A22_03123 856 Backlunda TYC 1910-00531-1 Diam = 52.0 m = 11.7 m = 14.5</p>  <p>Dur = 12.0s Dmag = 2.9 Sun: 124° Moon: 78°</p>	<p><b>2022 mar 6 19h15.5m</b> A22_03095 583 Klotilde PPMX 12683165 Diam = 86.0 m = 11.8 m = 15.1</p>  <p>Dur = 3.7s Dmag = 3.4 Sun: 74° Moon: 124°</p>	<p><b>2022 mar 7 11h 8.0m</b> A22_03022 61 Danaë TYC 2447-00344-1 Diam = 83.6 m = 10.7 m = 13.3</p>  <p>Dur = 8.3s Dmag = 2.7 Sun: 111° Moon: 56°</p>	<p><b>2022 mar 7 20h21.7m</b> A22_03052 173 Ino UCAC4 398-081167 Diam = 159.0 m = 12.2 m = 13.6</p>  <p>Dur = 6.0s Dmag = 1.7 Sun: 71° Moon: 132°</p>
<p><b>2022 mar 10 16h40.6m</b> A22_03129 1004 Belopolskya UCAC4 348-122782 Diam = 76.6 m = 11.7 m = 16.3</p>  <p>Dur = 3.8s Dmag = 4.6 Sun: 81° Moon: 172°</p>	<p><b>2022 mar 14 15h 1.8m</b> A22_03021 55 Pandora UCAC4 313-090297 Diam = 67.5 m = 11.7 m = 13.3</p>  <p>Dur = 6.7s Dmag = 1.8 Sun: 103° Moon: 121°</p>	<p><b>2022 mar 17 20h37.1m</b> A22_03109 718 Erida TYC 6851-06762-1 Diam = 76.5 m = 9.8 m = 14.8</p>  <p>Dur = 3.6s Dmag = 5.0 Sun: 85° Moon: 101°</p>	<p><b>2022 mar 18 18h 5.9m</b> A22_03148 5144 Achates TYC 7382-00055-1 Diam = 69.2 m = 9.1 m = 15.6</p>  <p>Dur = 4.0s Dmag = 6.5 Sun: 89° Moon: 85°</p>
<p><b>2022 mar 19 13h53.8m</b> A22_03057 253 Mathilde UCAC5 373-075284 Diam = 61.0 m = 12.4 m = 15.1</p>  <p>Dur = 7.3s Dmag = 2.7 Sun: 111° Moon: 53°</p>	<p><b>2022 mar 19 18h52.2m</b> A22_03034 119 Althaea UCAC5 355-114876 Diam = 60.7 m = 12.4 m = 13.6</p>  <p>Dur = 3.2s Dmag = 1.5 Sun: 87° Moon: 73°</p>	<p><b>2022 mar 20 10h50.4m</b> A22_03046 145 Adeona UCAC4 572-011005 Diam = 155.0 m = 11.6 m = 13.1</p>  <p>Dur = 5.4s Dmag = 1.7 Sun: 67° Moon: 139°</p>	<p><b>2022 mar 21 19h50.0m</b> A22_03069 402 Chloë TYC 0315-00625-1 Diam = 57.6 m = 9.7 m = 12.4</p>  <p>Dur = 6.6s Dmag = 2.8 Sun: 150° Moon: 27°</p>

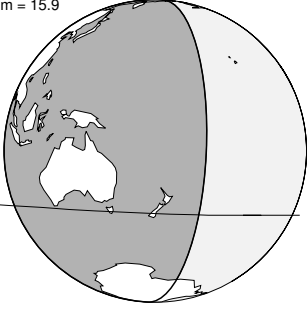
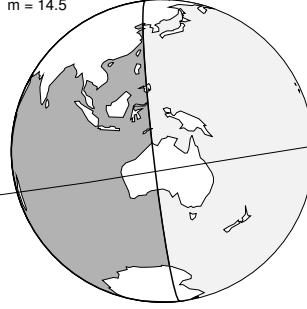
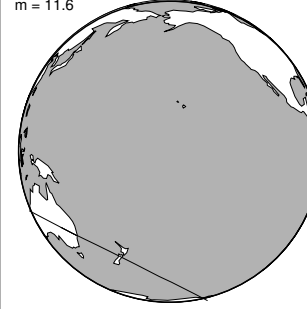
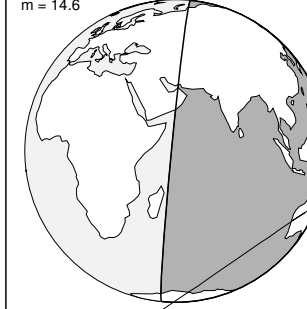
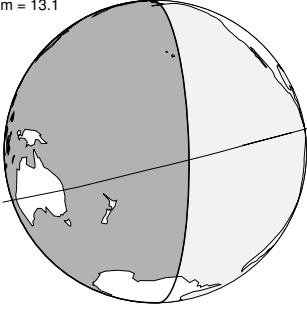
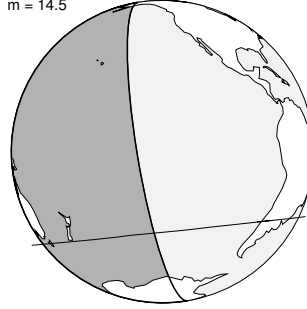
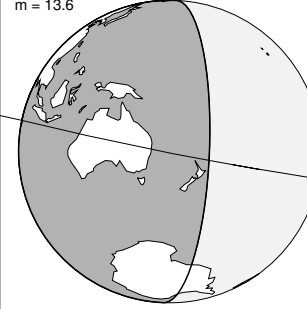
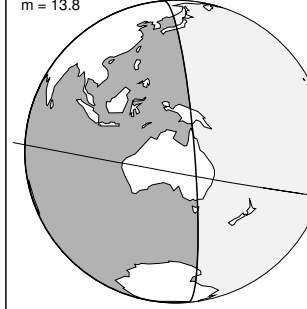
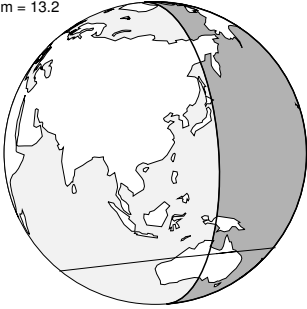
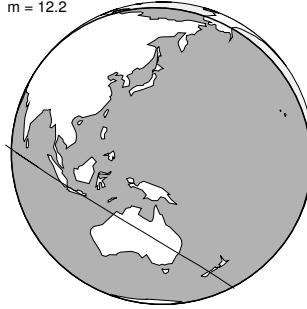
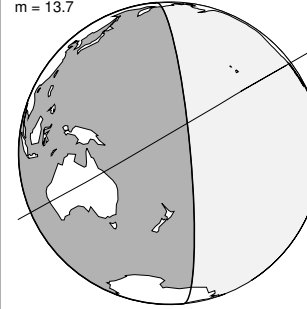
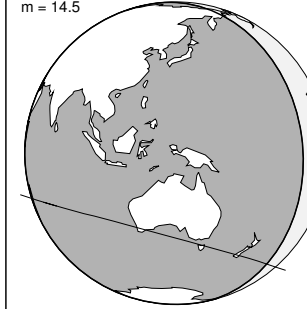
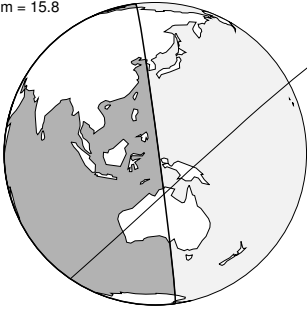
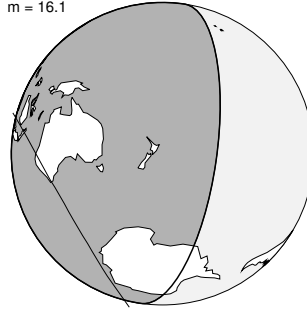
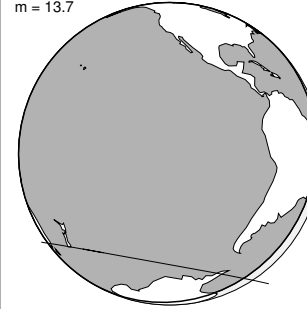
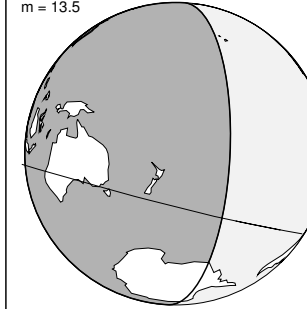
# Occultations by major and minor planets – 2022

# Region 8

<p><b>2022 mar 21 20h19.2m</b> A22_03071 414 Liriope TYC 4977-00047-1 Diam = 75.2 m = 12.0 m = 15.2</p>  <p>Dur = 7.2s Dmag = 3.2 Sun: 145° Moon: 17°</p>	<p><b>2022 mar 22 8h33.4m</b> A22_03074 426 Hippo TYC 2407-00050-1 Diam = 134.0 m = 11.8 m = 13.8</p>  <p>Dur = 6.3s Dmag = 2.2 Sun: 82° Moon: 148°</p>	<p><b>2022 mar 22 16h27.5m</b> A22_03093 563 Suleika TYC 6263-03247-1 Diam = 54.8 m = 10.9 m = 14.5</p>  <p>Dur = 3.8s Dmag = 3.7 Sun: 89° Moon: 34°</p>	<p><b>2022 mar 22 18h22.7m</b> A22_03085 498 Tokio UCAC4 365-099004 Diam = 84.8 m = 12.0 m = 13.9</p>  <p>Dur = 5.7s Dmag = 2.0 Sun: 97° Moon: 26°</p>
<p><b>2022 mar 22 20h26.1m</b> A22_03094 578 Happelia TYC 4965-00293-1 Diam = 71.6 m = 9.4 m = 13.1</p>  <p>Dur = 7.1s Dmag = 3.8 Sun: 160° Moon: 39°</p>	<p><b>2022 mar 23 10h12.9m</b> A22_03147 3139 Shantou TYC 4855-02362-1 Diam = 45.6 m = 10.0 m = 16.1</p>  <p>Dur = 7.2s Dmag = 6.1 Sun: 120° Moon: 119°</p>	<p><b>2022 mar 23 14h23.2m</b> A22_03065 345 Tercidina UCAC4 357-078610 Diam = 100.0 m = 12.4 m = 13.2</p>  <p>Dur = 13.4s Dmag = 1.2 Sun: 111° Moon: 5°</p>	<p><b>2022 mar 23 17h42.0m</b> A22_03007 14 Irene UCAC5 343-163051 Diam = 152.4 m = 12.4 m = 11.2</p>  <p>Dur = 6.9s Dmag = 0.3 Sun: 80° Moon: 29°</p>
<p><b>2022 mar 26 9h44.4m</b> A22_03063 333 Badenia HIP 51898 Diam = 81.5 m = 8.1 m = 14.8</p>  <p>Dur = 6.9s Dmag = 6.7 Sun: 151° Moon: 134°</p>	<p><b>2022 mar 27 9h22.0m</b> B22_03008 2015BM518 PPMX 10437836 Diam = 218.8 m = 13.1 m = 21.8</p>  <p>Dur = 8.8s Dmag = 8.8 Sun: 171° Moon: 117°</p>	<p><b>2022 mar 27 18h50.6m</b> B22_03002 168700 2000GE147 UCAC4 366-074929 Diam = 91.2 m = 14.6 m = 23.5</p>  <p>Dur = 11.4s Dmag = 8.9 Sun: 117° Moon: 62°</p>	<p><b>2022 mar 28 9h48.1m</b> A22_03013 22 Kalliope UCAC4 625-033635 Diam = 187.0 m = 12.4 m = 11.6</p>  <p>Dur = 10.7s Dmag = 0.4 Sun: 89° Moon: 138°</p>
<p><b>2022 mar 28 14h11.4m</b> A22_03135 1109 Tata PPMX 12678232 Diam = 69.5 m = 12.1 m = 15.5</p>  <p>Dur = 4.9s Dmag = 3.4 Sun: 97° Moon: 51°</p>	<p><b>2022 mar 28 17h17.6m</b> A22_03125 894 Erda UCAC4 411-056867 Diam = 40.8 m = 11.3 m = 14.2</p>  <p>Dur = 3.4s Dmag = 3.0 Sun: 156° Moon: 113°</p>	<p><b>2022 mar 30 17h 1.6m</b> A22_03086 498 Tokio UCAC4 365-105213 Diam = 84.8 m = 10.6 m = 13.7</p>  <p>Dur = 7.2s Dmag = 3.2 Sun: 103° Moon: 85°</p>	<p><b>2022 mar 30 21h 5.6m</b> A22_03056 241 Germania UCAC4 354-183882 Diam = 169.0 m = 11.1 m = 13.3</p>  <p>Dur = 6.0s Dmag = 2.3 Sun: 69° Moon: 53°</p>

# Occultations by major and minor planets – 2022

# Region 8

<p><b>2022 mar 31 17h25.4m</b> A22_03131 1010 Marlene UCAC4 348–100310 Diam = 45.2 m = 12.5 m = 15.9</p>  <p>Dur = 7.3s Dmag = 3.5 Sun: 109° Moon: 103°</p>	<p><b>2022 apr 2 21h40.8m</b> A22_04089 442 Eichsfeldia TYC 6287–01028–1 Diam = 67.5 m = 11.8 m = 14.5</p>  <p>Dur = 3.3s Dmag = 2.8 Sun: 86° Moon: 106°</p>	<p><b>2022 apr 3 10h43.6m</b> A22_04034 103 Hera UCAC4 463–050377 Diam = 95.2 m = 11.9 m = 11.6</p>  <p>Dur = 7.5s Dmag = 0.6 Sun: 172° Moon: 150°</p>	<p><b>2022 apr 3 14h30.5m</b> A22_04111 754 Malabar UCAC4 456–026334 Diam = 89.1 m = 11.9 m = 14.6</p>  <p>Dur = 4.4s Dmag = 2.8 Sun: 91° Moon: 66°</p>
<p><b>2022 apr 3 16h 6.9m</b> A22_04020 60 Echo UCAC4 351–123521 Diam = 61.0 m = 12.5 m = 13.1</p>  <p>Dur = 6.9s Dmag = 1.1 Sun: 102° Moon: 131°</p>	<p><b>2022 apr 4 15h33.3m</b> A22_04096 559 Nanon HIP 96921 Diam = 80.0 m = 9.4 m = 14.5</p>  <p>Dur = 3.5s Dmag = 5.1 Sun: 80° Moon: 120°</p>	<p><b>2022 apr 4 18h21.7m</b> A22_04075 382 Dodona PPMX 13684240 Diam = 60.0 m = 12.0 m = 13.6</p>  <p>Dur = 5.6s Dmag = 1.8 Sun: 105° Moon: 145°</p>	<p><b>2022 apr 6 20h35.2m</b> A22_04115 786 Bredichina UCAC4 352–146316 Diam = 93.2 m = 11.8 m = 13.8</p>  <p>Dur = 6.7s Dmag = 2.1 Sun: 97° Moon: 160°</p>
<p><b>2022 apr 7 8h51.2m</b> A22_04016 42 Isis UCAC4 578–015927 Diam = 107.0 m = 11.4 m = 13.2</p>  <p>Dur = 3.8s Dmag = 2.0 Sun: 65° Moon: 4°</p>	<p><b>2022 apr 7 15h 5.3m</b> A22_04080 402 Chloë PPMX 7285106 Diam = 57.6 m = 12.0 m = 12.2</p>  <p>Dur = 5.8s Dmag = 0.9 Sun: 160° Moon: 110°</p>	<p><b>2022 apr 7 17h51.4m</b> A22_04105 694 Ekard TYC 6267–02421–1 Diam = 92.7 m = 7.6 m = 13.7</p>  <p>Dur = 5.1s Dmag = 6.0 Sun: 97° Moon: 166°</p>	<p><b>2022 apr 8 17h18.9m</b> A22_04119 971 Alsatia UCAC5 433–060044 Diam = 66.7 m = 12.5 m = 14.5</p>  <p>Dur = 6.8s Dmag = 2.2 Sun: 146° Moon: 124°</p>
<p><b>2022 apr 8 21h18.5m</b> A22_04132 1796 Riga TYC 0462–00810–1 Diam = 76.5 m = 10.3 m = 15.8</p>  <p>Dur = 4.1s Dmag = 5.5 Sun: 91° Moon: 152°</p>	<p><b>2022 apr 9 16h36.9m</b> A22_04121 1049 Gotho TYC 7889–01086–1 Diam = 58.2 m = 10.1 m = 16.1</p>  <p>Dur = 6.7s Dmag = 6.0 Sun: 110° Moon: 151°</p>	<p><b>2022 apr 10 8h54.8m</b> A22_04036 109 Felicitas TYC 6146–00079–1 Diam = 91.0 m = 10.8 m = 13.7</p>  <p>Dur = 6.1s Dmag = 3.0 Sun: 161° Moon: 96°</p>	<p><b>2022 apr 11 16h27.2m</b> A22_04076 382 Dodona UCAC4 292–143514 Diam = 60.0 m = 12.1 m = 13.5</p>  <p>Dur = 7.6s Dmag = 1.7 Sun: 110° Moon: 132°</p>

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<p><b>2022 apr 11 17h59.8m</b> A22_04023 70 Panopaea UCAC4 306-226729 Diam = 127.0 m = 11.4 m = 12.3</p> <p>Dur = 9.9s Dmag = 1.3 Sun: 107° Moon: 135°</p>	<p><b>2022 apr 12 13h41.6m</b> A22_04137 2235 Vittore TYC 4897-00150-1 Diam = 54.6 m = 10.9 m = 15.2</p> <p>Dur = 5.3s Dmag = 4.4 Sun: 123° Moon: 22°</p>	<p><b>2022 apr 12 19h33.5m</b> B22_04005 316179 2010EN65 UCAC4 363-062673 Diam = 153.5 m = 14.8 m = 21.7</p> <p>Dur = 6.4s Dmag = 6.9 Sun: 164° Moon: 45°</p>	<p><b>2022 apr 12 23h30.3m</b> A22_04061 308 Polyxo TYC 1304-00565-1 Diam = 148.0 m = 11.1 m = 13.8</p> <p>Dur = 4.7s Dmag = 2.8 Sun: 58° Moon: 74°</p>
<p><b>2022 apr 13 11h27.1m</b> A22_04099 634 Ute UCAC5 555-039642 Diam = 69.1 m = 12.5 m = 15.7</p> <p>Dur = 4.9s Dmag = 3.3 Sun: 91° Moon: 47°</p>	<p><b>2022 apr 13 16h14.0m</b> A22_04133 1873 Agenor TYC 0480-01057-1 Diam = 64.8 m = 11.3 m = 18.4</p> <p>Dur = 3.4s Dmag = 7.1 Sun: 83° Moon: 130°</p>	<p><b>2022 apr 13 18h18.1m</b> A22_04035 103 Hera UCAC4 468-047489 Diam = 95.2 m = 12.1 m = 11.8</p> <p>Dur = 8.2s Dmag = 0.6 Sun: 162° Moon: 22°</p>	<p><b>2022 apr 14 17h36.6m</b> A22_04101 675 Ludmilla TYC 6804-01977-1 Diam = 109.1 m = 11.8 m = 13.3</p> <p>Dur = 18.8s Dmag = 1.8 Sun: 132° Moon: 74°</p>
<p><b>2022 apr 14 19h24.9m</b> A22_04136 2127 Tanya TYC 0895-00671-1 Diam = 42.5 m = 11.5 m = 15.8</p> <p>Dur = 3.3s Dmag = 4.3 Sun: 159° Moon: 23°</p>	<p><b>2022 apr 15 16h 1.0m</b> A22_04057 275 Sappientia UCAC4 422-059005 Diam = 103.0 m = 12.1 m = 11.9</p> <p>Dur = 11.6s Dmag = 0.6 Sun: 167° Moon: 24°</p>	<p><b>2022 apr 15 18h42.3m</b> A22_04062 313 Chaldaea UCAC5 405-076310 Diam = 101.0 m = 12.5 m = 13.6</p> <p>Dur = 11.5s Dmag = 1.4 Sun: 107° Moon: 84°</p>	<p><b>2022 apr 16 13h47.2m</b> A22_04110 744 Aguntina TYC 6299-02545-1 Diam = 62.0 m = 9.3 m = 16.1</p> <p>Dur = 4.4s Dmag = 6.8 Sun: 92° Moon: 90°</p>
<p><b>2022 apr 16 19h58.7m</b> B22_04009 523706 2014HF200 UCAC4 304-091280 Diam = 275.4 m = 14.7 m = 21.6</p> <p>Dur = 17.7s Dmag = 7.0 Sun: 135° Moon: 44°</p>	<p><b>2022 apr 16 19h59.5m</b> A22_04024 70 Panopaea UCAC4 303-229721 Diam = 127.0 m = 12.1 m = 12.2</p> <p>Dur = 11.2s Dmag = 0.8 Sun: 110° Moon: 69°</p>	<p><b>2022 apr 18 16h55.0m</b> A22_04142 523700 2014GM54 UCAC4 546-114348 Diam = 158.5 m = 11.8 m = 21.8</p> <p>Dur = 9.4s Dmag = 10.0 Sun: 83° Moon: 77°</p>	<p><b>2022 apr 19 18h56.8m</b> A22_04004 13 Egeria TYC 6168-00749-1 Diam = 215.0 m = 11.2 m = 10.4</p> <p>Dur = 18.2s Dmag = 0.4 Sun: 161° Moon: 22°</p>

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<p><b>2022 apr 19 21h11.5m</b> B22_04002 55576 Amycus UCAC4 326-199464 Diam = 104.0 m = 14.4 m = 21.0</p> <p>Dur = 17.9s Dmag = 6.5 Sun: 90° Moon: 47°</p>	<p><b>2022 apr 23 17h10.1m</b> A22_04094 538 Friederike PPMX 11732548 Diam = 77.8 m = 11.5 m = 14.9</p> <p>Dur = 7.3s Dmag = 3.5 Sun: 102° Moon: 19°</p>	<p><b>2022 apr 26 19h 0.1m</b> A22_04066 332 Siri TYC 6198-00428-1 Diam = 45.0 m = 9.9 m = 13.6</p> <p>Dur = 4.8s Dmag = 3.7 Sun: 156° Moon: 109°</p>	<p><b>2022 apr 27 14h26.6m</b> A22_04140 3148 Grechko UCAC5 351-175724 Diam = 51.5 m = 12.5 m = 17.7</p> <p>Dur = 3.5s Dmag = 5.3 Sun: 92° Moon: 55°</p>
<p><b>2022 apr 27 21h11.5m</b> A22_04052 258 Tyche UCAC4 414-111976 Diam = 67.7 m = 12.2 m = 13.1</p> <p>Dur = 5.8s Dmag = 1.3 Sun: 110° Moon: 78°</p>	<p><b>2022 apr 28 15h58.1m</b> A22_04131 1356 Nyanza TYC 6863-01216-1 Diam = 67.2 m = 12.2 m = 15.3</p> <p>Dur = 16.8s Dmag = 3.2 Sun: 118° Moon: 93°</p>	<p><b>2022 apr 29 8h10.4m</b> A22_04113 773 Irmintraud UCAC4 283-069851 Diam = 99.1 m = 11.8 m = 13.3</p> <p>Dur = 8.5s Dmag = 1.7 Sun: 154° Moon: 152°</p>	<p><b>2022 apr 29 17h 7.2m</b> A22_04063 318 Magdalena UCAC4 398-082227 Diam = 55.0 m = 12.0 m = 15.1</p> <p>Dur = 12.8s Dmag = 3.2 Sun: 121° Moon: 109°</p>
<p><b>2022 apr 30 21h33.3m</b> A22_04069 346 Hermentaria UCAC4 345-196772 Diam = 110.0 m = 12.3 m = 12.4</p> <p>Dur = 7.4s Dmag = 0.8 Sun: 95° Moon: 96°</p>	<p><b>2022 may 1 13h42.1m</b> A22_05087 694 Ekard UCAC4 395-103544 Diam = 92.7 m = 11.6 m = 13.1</p> <p>Dur = 7.6s Dmag = 1.7 Sun: 115° Moon: 123°</p>	<p><b>2022 may 1 17h 3.1m</b> A22_05050 269 Justitia UCAC4 376-149653 Diam = 54.7 m = 11.4 m = 13.0</p> <p>Dur = 6.5s Dmag = 1.9 Sun: 116° Moon: 126°</p>	<p><b>2022 may 1 18h 3.8m</b> A22_05107 1330 Spiridonina TYC 0900-01191-1 Diam = 58.0 m = 9.6 m = 14.7</p> <p>Dur = 5.3s Dmag = 5.2 Sun: 154° Moon: 147°</p>
<p><b>2022 may 2 16h22.9m</b> A22_05066 493 Griseldis Gaia 050-0318341 Diam = 52.0 m = 12.0 m = 15.9</p> <p>Dur = 4.3s Dmag = 3.9 Sun: 143° Moon: 159°</p>	<p><b>2022 may 2 19h41.3m</b> A22_05010 29 Amphitrite PPMX 13662361 Diam = 219.0 m = 12.1 m = 10.2</p> <p>Dur = 35.8s Dmag = 0.2 Sun: 139° Moon: 161°</p>	<p><b>2022 may 3 14h33.0m</b> A22_05101 973 Aralia UCAC4 234-155714 Diam = 54.7 m = 12.2 m = 15.4</p> <p>Dur = 7.0s Dmag = 3.3 Sun: 127° Moon: 154°</p>	<p><b>2022 may 3 16h 5.9m</b> A22_05041 156 Xanthippe TYC 6167-00469-1 Diam = 126.0 m = 11.3 m = 10.8</p> <p>Dur = 15.9s Dmag = 0.5 Sun: 173° Moon: 153°</p>



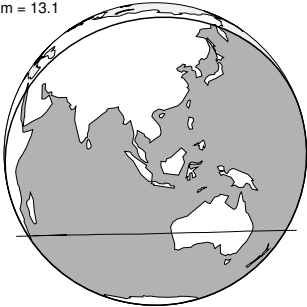
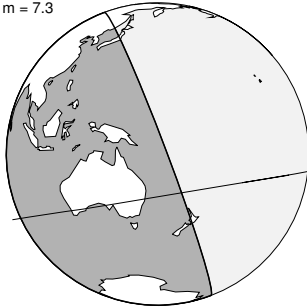
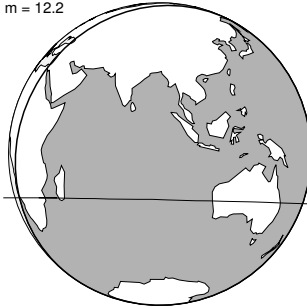
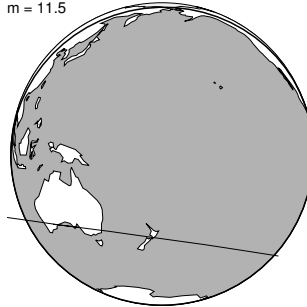
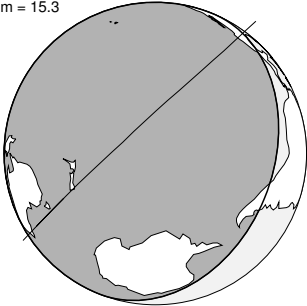
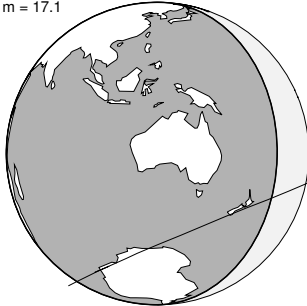
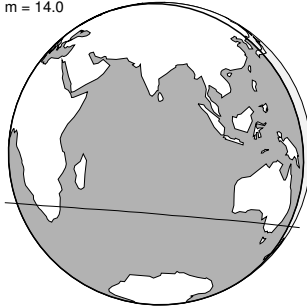
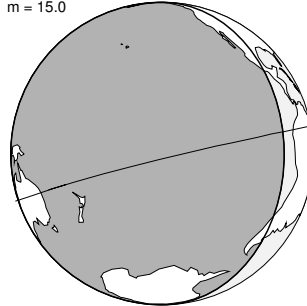
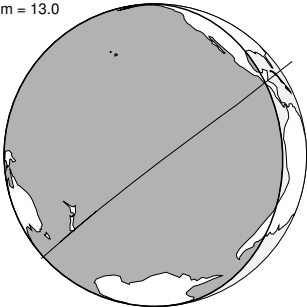
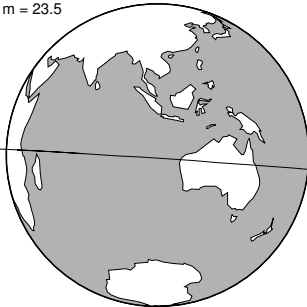
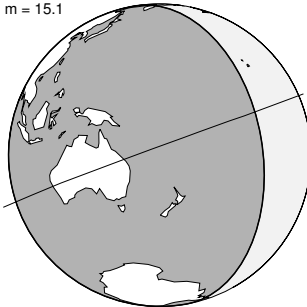
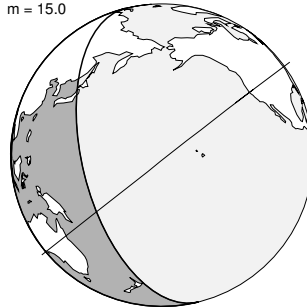
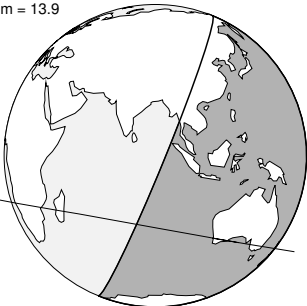
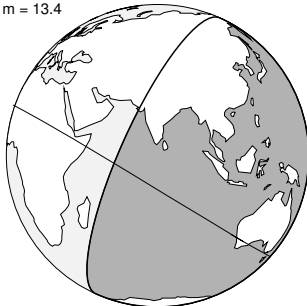
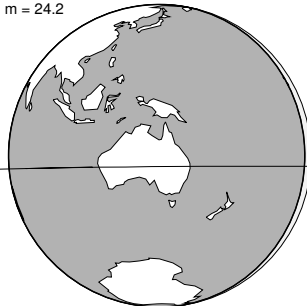
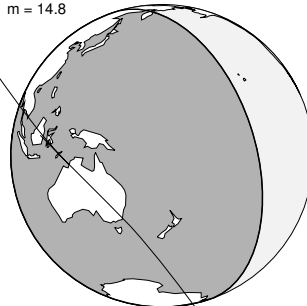
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<p><b>2022 may 5 14h21.6m</b> A22_05046 182 Elsa PPMX 11670901 Diam = 45.3 m = 12.5 m = 13.8</p> <p>Dur = 24.3s Dmag = 1.6 Sun: 127° Moon: 175°</p>	<p><b>2022 may 5 14h32.4m</b> A22_05042 156 Xanthippe UCAC4 341-071910 Diam = 126.0 m = 11.8 m = 10.8</p> <p>Dur = 15.7s Dmag = 0.4 Sun: 174° Moon: 130°</p>	<p><b>2022 may 5 16h29.9m</b> B22_05006 531224 2012HK85 UCAC4 374-069943 Diam = 179.5 m = 13.5 m = 22.7</p> <p>Dur = 7.5s Dmag = 9.2 Sun: 175° Moon: 131°</p>	<p><b>2022 may 8 13h23.2m</b> A22_05081 639 Latona UCAC4 328-186689 Diam = 74.5 m = 11.8 m = 13.2</p> <p>Dur = 28.5s Dmag = 1.7 Sun: 121° Moon: 153°</p>
<p><b>2022 may 8 16h48.0m</b> A22_05093 718 Erida UCAC4 302-248052 Diam = 76.5 m = 12.3 m = 14.2</p> <p>Dur = 20.7s Dmag = 2.0 Sun: 127° Moon: 146°</p>	<p><b>2022 may 8 19h25.2m</b> A22_05089 694 Ekard UCAC4 403-108262 Diam = 92.7 m = 12.3 m = 12.9</p> <p>Dur = 8.6s Dmag = 1.1 Sun: 120° Moon: 146°</p>	<p><b>2022 may 10 19h45.4m</b> A22_05118 2765 Dinant TYC 6949-00532-1 Diam = 46.6 m = 12.1 m = 17.7</p> <p>Dur = 4.1s Dmag = 5.7 Sun: 97° Moon: 150°</p>	<p><b>2022 may 11 9h15.4m</b> A22_05060 410 Chloris HIP 34735 Diam = 128.0 m = 6.4 m = 14.5</p> <p>Dur = 4.3s Dmag = 8.1 Sun: 55° Moon: 62°</p>
<p><b>2022 may 12 16h32.5m</b> A22_05053 306 Unitas TYC 5613-01182-1 Diam = 49.2 m = 11.2 m = 11.7</p> <p>Dur = 6.0s Dmag = 1.0 Sun: 162° Moon: 58°</p>	<p><b>2022 may 15 6h34.1m</b> A22_05029 98 lanthe TYC 0832-00540-1 Diam = 109.0 m = 9.9 m = 13.2</p> <p>Dur = 6.1s Dmag = 3.3 Sun: 93° Moon: 74°</p>	<p><b>2022 may 15 20h48.0m</b> A22_05002 5 Astraea HIP 113781 Diam = 125.0 m = 5.3 m = 12.8</p> <p>Dur = 5.0s Dmag = 7.4 Sun: 70° Moon: 114°</p>	<p><b>2022 may 20 14h 1.7m</b> A22_05047 241 Germania TYC 6344-00980-1 Diam = 169.0 m = 11.2 m = 12.7</p> <p>Dur = 18.8s Dmag = 1.8 Sun: 108° Moon: 13°</p>
<p><b>2022 may 20 14h56.3m</b> A22_05013 36 Atalante TYC 7284-00224-1 Diam = 109.0 m = 12.0 m = 13.9</p> <p>Dur = 7.1s Dmag = 2.1 Sun: 153° Moon: 80°</p>	<p><b>2022 may 22 12h17.2m</b> A22_05021 70 Panopaea TYC 7415-03572-1 Diam = 127.0 m = 9.5 m = 11.4</p> <p>Dur = 19.6s Dmag = 2.1 Sun: 141° Moon: 50°</p>	<p><b>2022 may 22 18h54.3m</b> P22_05001 Mars TYC 5253-00691-1 Diam = 6759.2 m = 9.2 m = 0.7</p> <p>Dur = 199.7s Dmag = 0.0 Sun: 63° Moon: 27°</p>	<p><b>2022 may 24 15h32.4m</b> A22_05094 718 Erida UCAC4 296-208250 Diam = 76.5 m = 11.3 m = 13.9</p> <p>Dur = 12.3s Dmag = 2.7 Sun: 143° Moon: 77°</p>

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<p><b>2022 may 24 16h19.0m</b> A22_05064 472 Roma UCAC4 474-053840 Diam = 47.6 m = 12.2 m = 13.1</p>  <p>Dur = 3.9s Dmag = 1.3 Sun: 153° Moon: 125°</p>	<p><b>2022 may 24 19h29.6m</b> A22_05001 4 Vesta UCAC4 380-166397 Diam = 523.2 m = 10.4 m = 7.3</p>  <p>Dur = 31.6s Dmag = 0.1 Sun: 93° Moon: 29°</p>	<p><b>2022 may 25 16h38.7m</b> A22_05026 87 Sylvia UCAC5 398-056562 Diam = 271.0 m = 12.4 m = 12.2</p>  <p>Dur = 20.7s Dmag = 0.7 Sun: 159° Moon: 146°</p>	<p><b>2022 may 26 11h46.3m</b> A22_05054 306 Unitas UCAC5 415-061274 Diam = 49.2 m = 12.5 m = 11.5</p>  <p>Dur = 5.6s Dmag = 0.4 Sun: 165° Moon: 139°</p>
<p><b>2022 may 26 11h48.2m</b> A22_05076 617 Patroclus UCAC5 234-158805 Diam = 149.0 m = 12.5 m = 15.3</p>  <p>Dur = 10.7s Dmag = 2.9 Sun: 141° Moon: 100°</p>	<p><b>2022 may 26 18h21.3m</b> A22_05121 4722 Aglaos TYC 6872-00394-1 Diam = 47.9 m = 10.8 m = 17.1</p>  <p>Dur = 4.4s Dmag = 6.3 Sun: 142° Moon: 101°</p>	<p><b>2022 may 26 19h53.2m</b> A22_05077 627 Charis UCAC4 379-084199 Diam = 51.0 m = 12.4 m = 14.0</p>  <p>Dur = 5.1s Dmag = 1.8 Sun: 160° Moon: 121°</p>	<p><b>2022 may 27 11h59.6m</b> A22_05108 1332 Marconia UCAC4 319-205133 Diam = 49.5 m = 12.4 m = 15.0</p>  <p>Dur = 7.6s Dmag = 2.7 Sun: 143° Moon: 111°</p>
<p><b>2022 may 30 11h37.5m</b> A22_05099 786 Bredichina TYC 6859-00031-1 Diam = 93.2 m = 10.9 m = 13.0</p>  <p>Dur = 10.9s Dmag = 2.2 Sun: 147° Moon: 147°</p>	<p><b>2022 may 31 16h55.8m</b> B22_05008 2015KG174 UCAC4 342-080674 Diam = 79.4 m = 12.7 m = 23.5</p>  <p>Dur = 3.4s Dmag = 10.7 Sun: 178° Moon: 165°</p>	<p><b>2022 jun 1 16h18.3m</b> B22_06006 134340 Pluto UCAC4 338-199472 Diam = 2376.6 m = 13.0 m = 15.1</p>  <p>Dur = 159.0s Dmag = 2.2 Sun: 132° Moon: 157°</p>	<p><b>2022 jun 1 19h16.0m</b> A22_06067 466 Tisiphone TYC 1186-01885-1 Diam = 121.0 m = 11.0 m = 15.0</p>  <p>Dur = 3.8s Dmag = 4.0 Sun: 58° Moon: 81°</p>
<p><b>2022 jun 2 11h48.4m</b> A22_06065 441 Bathilde UCAC5 455-047521 Diam = 73.2 m = 12.4 m = 13.9</p>  <p>Dur = 3.8s Dmag = 1.7 Sun: 86° Moon: 55°</p>	<p><b>2022 jun 3 13h55.0m</b> A22_06033 171 Ophelia UCAC4 470-046027 Diam = 121.0 m = 12.4 m = 13.4</p>  <p>Dur = 11.4s Dmag = 1.4 Sun: 104° Moon: 59°</p>	<p><b>2022 jun 4 15h49.0m</b> B22_06003 52747 1998HM151 UCAC4 332-127026 Diam = 109.6 m = 14.7 m = 24.2</p>  <p>Dur = 4.7s Dmag = 9.5 Sun: 163° Moon: 140°</p>	<p><b>2022 jun 4 16h17.9m</b> A22_06102 743 Eugenis UCAC4 383-157142 Diam = 55.7 m = 12.3 m = 14.8</p>  <p>Dur = 19.7s Dmag = 2.7 Sun: 128° Moon: 168°</p>

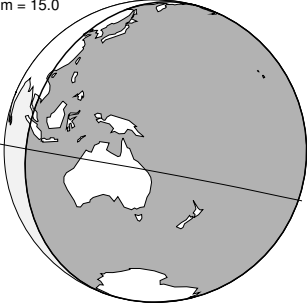
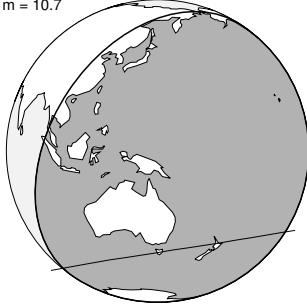
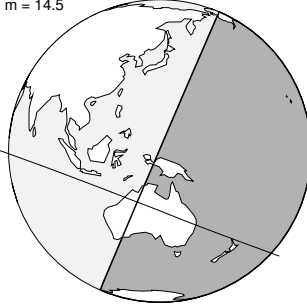
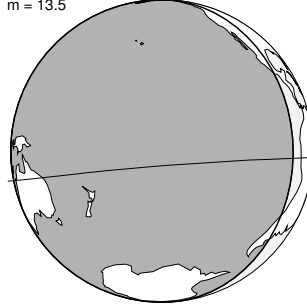
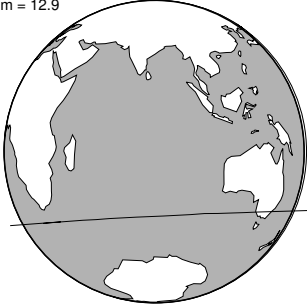
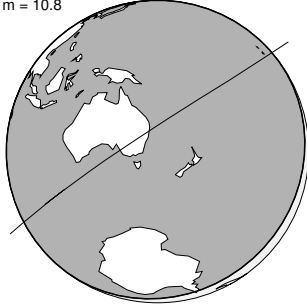
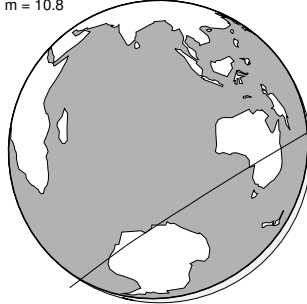
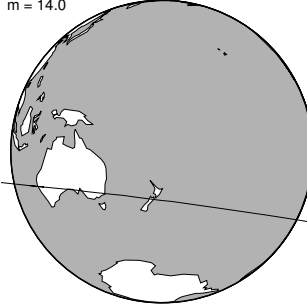
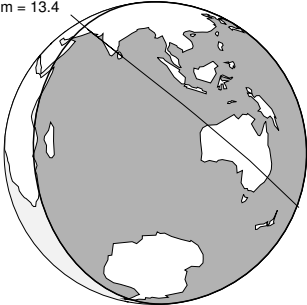
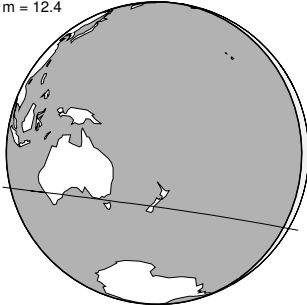
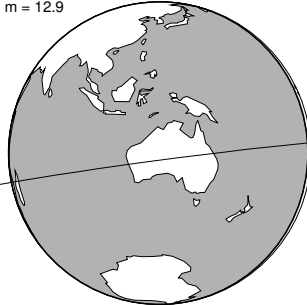
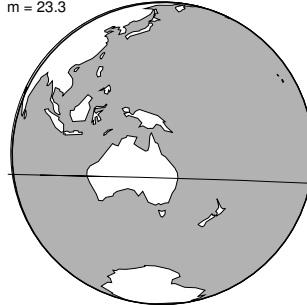
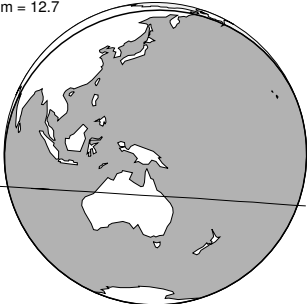
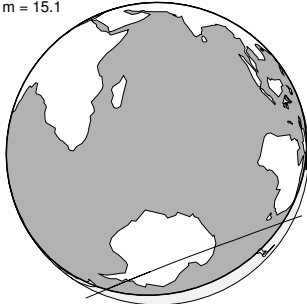
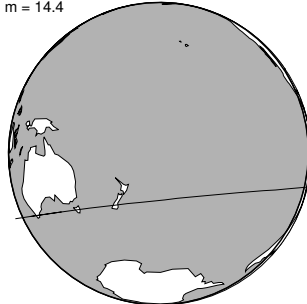
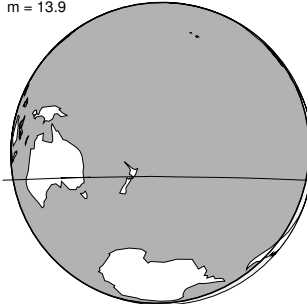
# Occultations by major and minor planets – 2022

# Region 8

<p><b>2022 jun 4 20h14.7m</b> A22_06062 387 Aquitania UCAC4 445-080158 Diam = 106.0 m = 12.3 m = 10.3</p> <p>Dur = 19.4s Dmag = 0.2 Sun: 147° Moon: 137°</p>	<p><b>2022 jun 4 20h28.5m</b> A22_06113 977 Philippa UCAC4 300-251543 Diam = 67.0 m = 12.2 m = 14.6</p> <p>Dur = 6.4s Dmag = 2.5 Sun: 145° Moon: 155°</p>	<p><b>2022 jun 5 14h12.6m</b> A22_06069 498 Tokio UCAC4 357-103357 Diam = 84.8 m = 11.9 m = 12.0</p> <p>Dur = 8.8s Dmag = 0.8 Sun: 168° Moon: 122°</p>	<p><b>2022 jun 5 17h 3.9m</b> A22_06006 26 Proserpina UCAC5 343-073999 Diam = 98.7 m = 12.5 m = 10.7</p> <p>Dur = 11.9s Dmag = 0.2 Sun: 162° Moon: 94°</p>
<p><b>2022 jun 6 13h30.0m</b> A22_06023 119 Althea TYC 6265-00466-1 Diam = 60.7 m = 12.4 m = 12.2</p> <p>Dur = 6.2s Dmag = 0.6 Sun: 159° Moon: 119°</p>	<p><b>2022 jun 7 14h27.5m</b> A22_06058 374 Burgundia UCAC4 401-112872 Diam = 48.2 m = 12.3 m = 12.7</p> <p>Dur = 7.1s Dmag = 0.9 Sun: 143° Moon: 123°</p>	<p><b>2022 jun 7 19h30.3m</b> A22_06095 675 Ludmilla TYC 6783-00505-1 Diam = 109.1 m = 11.6 m = 12.7</p> <p>Dur = 7.6s Dmag = 1.5 Sun: 165° Moon: 74°</p>	<p><b>2022 jun 8 12h15.6m</b> A22_06112 973 Aralia UCAC4 225-154768 Diam = 54.7 m = 11.8 m = 14.9</p> <p>Dur = 3.9s Dmag = 3.2 Sun: 156° Moon: 91°</p>
<p><b>2022 jun 8 16h16.1m</b> A22_06042 230 Athamantis TYC 0599-00431-1 Diam = 125.0 m = 11.8 m = 12.0</p> <p>Dur = 4.2s Dmag = 0.8 Sun: 68° Moon: 164°</p>	<p><b>2022 jun 8 17h14.9m</b> A22_06074 537 Pauly UCAC4 392-069668 Diam = 47.5 m = 12.1 m = 12.1</p> <p>Dur = 4.9s Dmag = 0.8 Sun: 168° Moon: 76°</p>	<p><b>2022 jun 8 17h32.6m</b> A22_06083 599 Luisa TYC 7958-00505-1 Diam = 69.6 m = 11.8 m = 12.1</p> <p>Dur = 7.7s Dmag = 0.9 Sun: 132° Moon: 119°</p>	<p><b>2022 jun 8 18h 1.3m</b> A22_06051 313 Chaldaea UCAC5 426-072266 Diam = 101.0 m = 12.5 m = 12.7</p> <p>Dur = 8.8s Dmag = 0.9 Sun: 155° Moon: 91°</p>
<p><b>2022 jun 8 19h27.0m</b> A22_06137 2893 Peiroos TYC 6306-01290-1 Diam = 92.8 m = 10.3 m = 16.1</p> <p>Dur = 8.5s Dmag = 5.8 Sun: 145° Moon: 110°</p>	<p><b>2022 jun 9 14h42.2m</b> A22_06078 559 Nanon TYC 6332-01320-1 Diam = 80.0 m = 11.2 m = 13.5</p> <p>Dur = 20.4s Dmag = 2.4 Sun: 134° Moon: 111°</p>	<p><b>2022 jun 9 15h37.9m</b> A22_06050 306 Unitas UCAC4 416-063339 Diam = 49.2 m = 12.4 m = 11.7</p> <p>Dur = 6.7s Dmag = 0.5 Sun: 154° Moon: 44°</p>	<p><b>2022 jun 9 18h39.4m</b> B22_06004 95626 2002GZ32 UCAC4 348-152313 Diam = 173.8 m = 14.8 m = 19.5</p> <p>Dur = 8.7s Dmag = 4.7 Sun: 159° Moon: 84°</p>

# Occultations by major and minor planets – 2022

# Region 8

<p><b>2022 jun 11 11h25.1m</b> A22_06104 767 Bondia UCAC5 371-066971 Diam = 40.6 m = 12.5 m = 15.0</p>  <p>Dur = 4.2s Dmag = 2.7 Sun: 147° Moon: 10°</p>	<p><b>2022 jun 11 11h37.9m</b> A22_06003 18 Melpomene UCAC4 450-056347 Diam = 135.0 m = 11.9 m = 10.7</p>  <p>Dur = 18.8s Dmag = 0.3 Sun: 135° Moon: 13°</p>	<p><b>2022 jun 12 8h52.2m</b> A22_06030 142 Polana UCAC4 456-050561 Diam = 57.0 m = 11.9 m = 14.5</p>  <p>Dur = 3.1s Dmag = 2.6 Sun: 90° Moon: 60°</p>	<p><b>2022 jun 12 12h 0.3m</b> A22_06025 123 Brunhild TYC 6893-01660-1 Diam = 49.8 m = 9.6 m = 13.5</p>  <p>Dur = 5.4s Dmag = 3.9 Sun: 150° Moon: 58°</p>
<p><b>2022 jun 12 19h10.5m</b> A22_06036 182 Elsa TYC 6263-03160-1 Diam = 45.3 m = 10.1 m = 12.9</p>  <p>Dur = 3.7s Dmag = 2.9 Sun: 169° Moon: 34°</p>	<p><b>2022 jun 13 14h30.1m</b> A22_06012 70 Panopaea UCAC4 263-172994 Diam = 127.0 m = 12.0 m = 10.8</p>  <p>Dur = 15.0s Dmag = 0.3 Sun: 161° Moon: 28°</p>	<p><b>2022 jun 14 18h53.5m</b> A22_06011 70 Panopaea UCAC4 263-172311 Diam = 127.0 m = 12.1 m = 10.8</p>  <p>Dur = 14.9s Dmag = 0.3 Sun: 162° Moon: 13°</p>	<p><b>2022 jun 15 12h27.0m</b> A22_06118 1109 Tata UCAC4 333-130939 Diam = 69.5 m = 11.4 m = 14.0</p>  <p>Dur = 6.3s Dmag = 2.7 Sun: 175° Moon: 11°</p>
<p><b>2022 jun 15 15h 2.5m</b> A22_06077 545 Messalina UCAC4 282-076782 Diam = 115.0 m = 12.3 m = 13.4</p>  <p>Dur = 14.5s Dmag = 1.4 Sun: 143° Moon: 50°</p>	<p><b>2022 jun 16 13h46.1m</b> A22_06090 639 Latona UCAC4 333-196744 Diam = 74.5 m = 11.9 m = 12.4</p>  <p>Dur = 7.1s Dmag = 1.0 Sun: 162° Moon: 13°</p>	<p><b>2022 jun 16 16h22.0m</b> A22_06037 222 Lucia UCAC4 331-162477 Diam = 58.0 m = 12.1 m = 12.9</p>  <p>Dur = 6.0s Dmag = 1.2 Sun: 168° Moon: 20°</p>	<p><b>2022 jun 17 13h40.4m</b> B22_06014 2013JK64 UCAC4 358-086802 Diam = 109.6 m = 13.9 m = 23.3</p>  <p>Dur = 4.7s Dmag = 9.4 Sun: 170° Moon: 53°</p>
<p><b>2022 jun 18 13h59.4m</b> A22_06044 238 Hypatia UCAC4 425-071544 Diam = 156.0 m = 12.3 m = 12.7</p>  <p>Dur = 12.2s Dmag = 1.0 Sun: 161° Moon: 66°</p>	<p><b>2022 jun 18 20h33.9m</b> A22_06087 617 Patroclus TYC 7914-00320-1 Diam = 149.0 m = 10.1 m = 15.1</p>  <p>Dur = 9.1s Dmag = 5.0 Sun: 156° Moon: 53°</p>	<p><b>2022 jun 19 11h53.7m</b> A22_06122 1332 Marconia UCAC4 316-208670 Diam = 49.5 m = 12.0 m = 14.4</p>  <p>Dur = 4.3s Dmag = 2.5 Sun: 168° Moon: 59°</p>	<p><b>2022 jun 19 12h17.3m</b> A22_06085 606 Brangäne UCAC4 287-192263 Diam = 40.0 m = 12.0 m = 13.9</p>  <p>Dur = 3.9s Dmag = 2.1 Sun: 164° Moon: 57°</p>

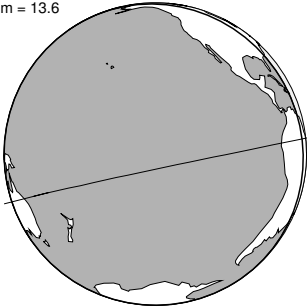
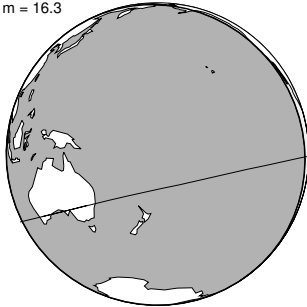
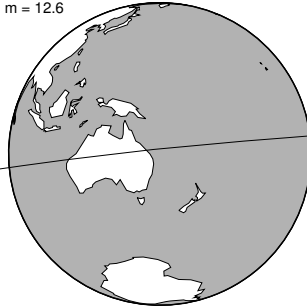
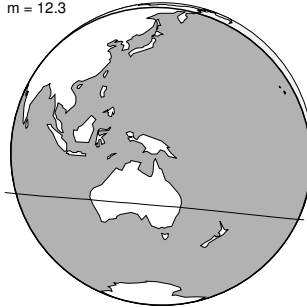
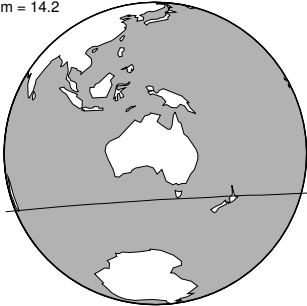
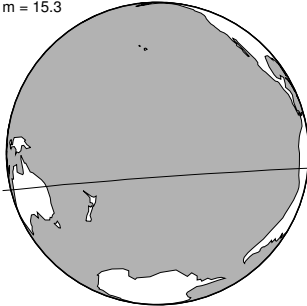
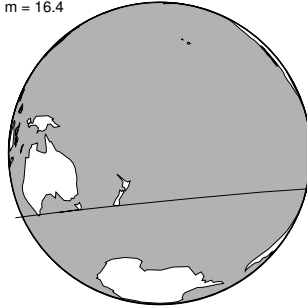
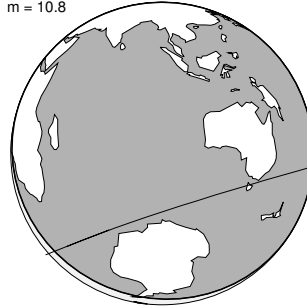
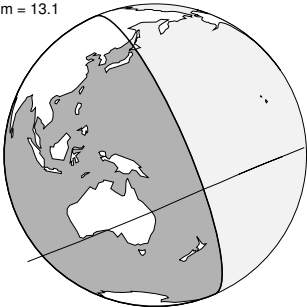
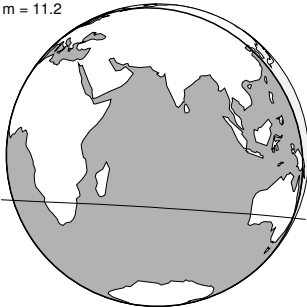
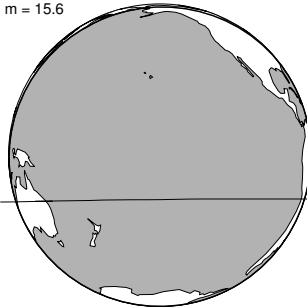
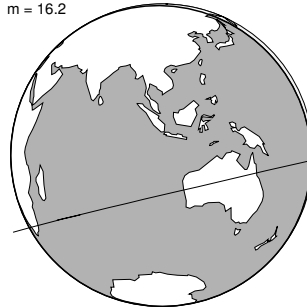
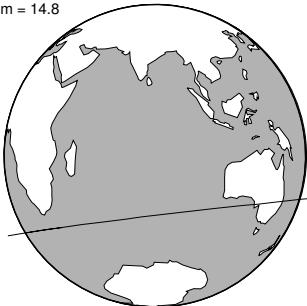
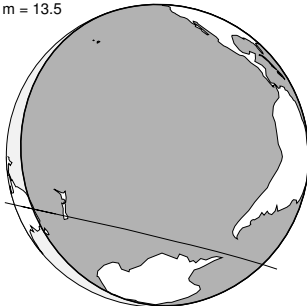
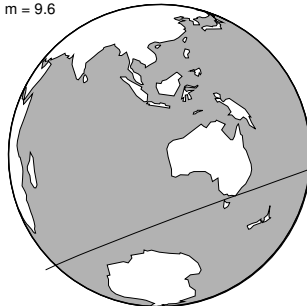
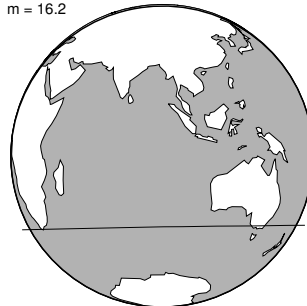
# Occultations by major and minor planets – 2022

# Region 8

<p><b>2022 jun 20 19h12.0m</b> A22_06061 382 Dodona Gaia 058–0445670 Diam = 60.0 m = 11.3 m = 12.4</p> <p>Dur = 5.9s Dmag = 1.4 Sun: 170° Moon: 90°</p>	<p><b>2022 jun 21 13h25.3m</b> A22_06107 820 Adriana UCAC4 373–077755 Diam = 61.0 m = 11.8 m = 14.9</p> <p>Dur = 6.0s Dmag = 3.2 Sun: 156° Moon: 119°</p>	<p><b>2022 jun 21 16h17.0m</b> A22_06110 946 Poesia UCAC4 330–166946 Diam = 50.0 m = 11.6 m = 15.5</p> <p>Dur = 3.5s Dmag = 3.9 Sun: 171° Moon: 88°</p>	<p><b>2022 jun 21 18h47.0m</b> B22_06001 10370 Hylonome UCAC4 362–186730 Diam = 79.4 m = 13.6 m = 22.7</p> <p>Dur = 3.7s Dmag = 9.0 Sun: 158° Moon: 77°</p>
<p><b>2022 jun 22 15h58.1m</b> A22_06039 222 Lucia UCAC4 330–153744 Diam = 58.0 m = 12.3 m = 12.7</p> <p>Dur = 5.7s Dmag = 1.0 Sun: 174° Moon: 103°</p>	<p><b>2022 jun 23 6h51.0m</b> A22_06145 5648 1990VU1 UCAC4 282–150190 Diam = 60.3 m = 12.3 m = 15.7</p> <p>Dur = 3.6s Dmag = 3.4 Sun: 169° Moon: 116°</p>	<p><b>2022 jun 23 12h26.6m</b> A22_06084 606 Brangäne TYC 7411–00036–1 Diam = 40.0 m = 12.4 m = 13.8</p> <p>Dur = 3.7s Dmag = 1.7 Sun: 167° Moon: 110°</p>	<p><b>2022 jun 23 17h26.4m</b> A22_06148 24978 1998HJ151 UCAC4 328–104460 Diam = 131.8 m = 10.6 m = 23.8</p> <p>Dur = 5.4s Dmag = 13.2 Sun: 169° Moon: 131°</p>
<p><b>2022 jun 23 20h 4.9m</b> A22_06049 269 Justitia UCAC5 382–125570 Diam = 54.7 m = 12.4 m = 11.7</p> <p>Dur = 9.2s Dmag = 0.5 Sun: 164° Moon: 110°</p>	<p><b>2022 jun 24 17h39.5m</b> A22_06144 5648 1990VU1 TYC 7399–00183–1 Diam = 60.3 m = 12.2 m = 15.7</p> <p>Dur = 3.6s Dmag = 3.5 Sun: 169° Moon: 133°</p>	<p><b>2022 jun 24 20h21.0m</b> A22_06054 324 Bamberg UCAC5 510–001681 Diam = 227.6 m = 12.4 m = 10.9</p> <p>Dur = 7.0s Dmag = 0.2 Sun: 71° Moon: 25°</p>	<p><b>2022 jun 25 14h40.8m</b> A22_06009 60 Echo UCAC5 362–086295 Diam = 61.0 m = 12.5 m = 12.1</p> <p>Dur = 4.9s Dmag = 0.6 Sun: 166° Moon: 153°</p>
<p><b>2022 jun 26 7h57.6m</b> A22_06063 395 Delia UCAC4 417–055242 Diam = 54.0 m = 12.4 m = 15.4</p> <p>Dur = 4.0s Dmag = 3.1 Sun: 96° Moon: 127°</p>	<p><b>2022 jun 26 15h45.8m</b> A22_06010 69 Hesperia UCAC4 397–102747 Diam = 143.0 m = 11.7 m = 12.1</p> <p>Dur = 10.0s Dmag = 0.9 Sun: 164° Moon: 141°</p>	<p><b>2022 jun 26 19h42.7m</b> A22_06045 239 Adrastea UCAC4 394–119357 Diam = 43.0 m = 11.4 m = 14.7</p> <p>Dur = 5.3s Dmag = 3.3 Sun: 150° Moon: 126°</p>	<p><b>2022 jun 27 6h49.8m</b> B22_06010 2001HA59 UCAC4 354–074756 Diam = 208.9 m = 12.8 m = 23.2</p> <p>Dur = 10.5s Dmag = 10.4 Sun: 145° Moon: 165°</p>

# Occultations by major and minor planets – 2022

# Region 8

<p><b>2022 jun 27 10h 7.1m</b> A22_06075 538 Friederike TYC 6296-01947-1 Diam = 77.8 m = 11.7 m = 13.6</p>  <p>Dur = 6.9s Dmag = 2.1 Sun: 165° Moon: 148°</p>	<p><b>2022 jun 28 12h52.6m</b> A22_06124 1345 Potomac UCAC4 377-155586 Diam = 79.3 m = 12.3 m = 16.3</p>  <p>Dur = 4.9s Dmag = 4.0 Sun: 164° Moon: 157°</p>	<p><b>2022 jun 28 13h31.6m</b> A22_06040 222 Lucia UCAC4 329-140370 Diam = 58.0 m = 10.7 m = 12.6</p>  <p>Dur = 5.7s Dmag = 2.1 Sun: 178° Moon: 175°</p>	<p><b>2022 jun 28 15h 6.3m</b> A22_06059 374 Burgundia TYC 5708-00555-1 Diam = 48.2 m = 11.3 m = 12.3</p>  <p>Dur = 4.8s Dmag = 1.4 Sun: 162° Moon: 156°</p>
<p><b>2022 jun 29 14h60.0m</b> A22_06123 1332 Marconia UCAC5 316-179601 Diam = 49.5 m = 12.4 m = 14.2</p>  <p>Dur = 4.1s Dmag = 2.0 Sun: 176° Moon: 173°</p>	<p><b>2022 jun 30 9h59.5m</b> A22_06111 946 Poesia Gaia 066-0562044 Diam = 50.0 m = 11.3 m = 15.3</p>  <p>Dur = 3.4s Dmag = 4.1 Sun: 178° Moon: 164°</p>	<p><b>2022 jun 30 11h15.3m</b> A22_06127 1439 Vogtia UCAC4 310-232322 Diam = 60.1 m = 11.5 m = 16.4</p>  <p>Dur = 3.8s Dmag = 5.0 Sun: 175° Moon: 166°</p>	<p><b>2022 jun 30 17h 7.7m</b> A22_06019 70 Panopaea TYC 7899-01400-1 Diam = 127.0 m = 10.3 m = 10.8</p>  <p>Dur = 15.7s Dmag = 1.0 Sun: 162° Moon: 153°</p>
<p><b>2022 jun 30 18h59.7m</b> A22_06005 24 Themis TYC 5252-00998-1 Diam = 160.0 m = 11.3 m = 13.1</p>  <p>Dur = 19.5s Dmag = 2.0 Sun: 102° Moon: 121°</p>	<p><b>2022 jun 30 20h35.9m</b> A22_06022 72 Feronia TYC 5729-02015-1 Diam = 89.3 m = 10.8 m = 11.2</p>  <p>Dur = 14.9s Dmag = 1.0 Sun: 158° Moon: 165°</p>	<p><b>2022 jul 1 9h51.3m</b> A22_07166 1408 Trusanda UCAC4 393-085104 Diam = 41.0 m = 12.2 m = 15.6</p>  <p>Dur = 3.2s Dmag = 3.4 Sun: 167° Moon: 147°</p>	<p><b>2022 jul 1 17h45.1m</b> A22_07156 1345 Potomac UCAC5 377-147136 Diam = 79.3 m = 12.4 m = 16.2</p>  <p>Dur = 4.8s Dmag = 3.8 Sun: 167° Moon: 158°</p>
<p><b>2022 jul 1 18h59.9m</b> A22_07108 656 Beagle UCAC5 342-165579 Diam = 57.5 m = 12.4 m = 14.8</p>  <p>Dur = 4.2s Dmag = 2.4 Sun: 173° Moon: 157°</p>	<p><b>2022 jul 2 6h57.2m</b> A22_07029 81 Terpsichore TYC 7363-00657-1 Diam = 124.0 m = 10.1 m = 13.5</p>  <p>Dur = 10.0s Dmag = 3.5 Sun: 153° Moon: 121°</p>	<p><b>2022 jul 2 17h 4.0m</b> A22_07006 14 Irene UCAC4 315-227743 Diam = 152.4 m = 11.9 m = 9.6</p>  <p>Dur = 13.1s Dmag = 0.1 Sun: 173° Moon: 145°</p>	<p><b>2022 jul 2 17h45.0m</b> A22_07189 4348 Polydamas UCAC4 377-127944 Diam = 60.3 m = 12.4 m = 16.2</p>  <p>Dur = 3.7s Dmag = 3.8 Sun: 171° Moon: 137°</p>

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# Region 8

<p><b>2022 jul 3 13h54.8m</b> A22_07141 946 Poesia PPMX 12719156 Diam = 50.0 m = 12.1 m = 15.3</p> <p>Dur = 3.4s Dmag = 3.3 Sun: 174° Moon: 126°</p>	<p><b>2022 jul 4 9h51.1m</b> B22_07004 95626 2002GZ32 UCAC5 348-138048 Diam = 173.8 m = 14.9 m = 19.4</p> <p>Dur = 8.0s Dmag = 4.5 Sun: 174° Moon: 117°</p>	<p><b>2022 jul 4 11h 4.2m</b> A22_07106 639 Latona UCAC4 335-181682 Diam = 74.5 m = 12.3 m = 12.0</p> <p>Dur = 6.3s Dmag = 0.6 Sun: 176° Moon: 118°</p>	<p><b>2022 jul 4 14h15.3m</b> A22_07079 416 Vaticana TYC 7344-01246-1 Diam = 89.5 m = 11.9 m = 10.9</p> <p>Dur = 20.5s Dmag = 0.4 Sun: 145° Moon: 87°</p>
<p><b>2022 jul 4 15h35.8m</b> A22_07012 29 Amphitrite TYC 7344-00888-1 Diam = 219.0 m = 11.3 m = 10.0</p> <p>Dur = 27.3s Dmag = 0.3 Sun: 146° Moon: 87°</p>	<p><b>2022 jul 4 16h35.7m</b> A22_07117 718 Erida PPMX 13696258 Diam = 76.5 m = 12.0 m = 13.5</p> <p>Dur = 7.8s Dmag = 1.7 Sun: 166° Moon: 108°</p>	<p><b>2022 jul 5 8h50.2m</b> A22_07062 283 Emma TYC 0252-00216-1 Diam = 150.0 m = 9.5 m = 15.2</p> <p>Dur = 4.6s Dmag = 5.7 Sun: 52° Moon: 20°</p>	<p><b>2022 jul 5 12h44.3m</b> A22_07040 120 Lachesis TYC 6924-00950-1 Diam = 178.0 m = 9.6 m = 12.5</p> <p>Dur = 20.0s Dmag = 3.0 Sun: 149° Moon: 139°</p>
<p><b>2022 jul 6 7h10.1m</b> A22_07160 1356 Nyanza TYC 6854-03415-1 Diam = 67.2 m = 11.0 m = 14.3</p> <p>Dur = 5.6s Dmag = 3.4 Sun: 166° Moon: 87°</p>	<p><b>2022 jul 6 15h21.1m</b> A22_07038 119 Althaea UCAC4 377-095900 Diam = 60.7 m = 12.4 m = 12.1</p> <p>Dur = 6.1s Dmag = 0.6 Sun: 161° Moon: 78°</p>	<p><b>2022 jul 7 11h47.0m</b> A22_07089 498 Tokio UCAC5 347-084863 Diam = 84.8 m = 12.5 m = 12.2</p> <p>Dur = 10.5s Dmag = 0.6 Sun: 152° Moon: 58°</p>	<p><b>2022 jul 7 19h18.1m</b> A22_07053 222 Lucia TYC 6847-01430-1 Diam = 58.0 m = 11.0 m = 12.9</p> <p>Dur = 6.1s Dmag = 2.1 Sun: 167° Moon: 69°</p>
<p><b>2022 jul 8 18h20.2m</b> A22_07152 1332 Marconia UCAC5 315-162941 Diam = 49.5 m = 12.5 m = 14.4</p> <p>Dur = 4.3s Dmag = 2.1 Sun: 167° Moon: 58°</p>	<p><b>2022 jul 9 15h 4.7m</b> A22_07024 70 Panopaea UCAC4 252-142104 Diam = 127.0 m = 12.1 m = 10.9</p> <p>Dur = 18.5s Dmag = 0.3 Sun: 155° Moon: 43°</p>	<p><b>2022 jul 10 15h43.3m</b> A22_07023 70 Panopaea TYC 7890-01639-1 Diam = 127.0 m = 10.0 m = 10.9</p> <p>Dur = 19.0s Dmag = 1.3 Sun: 155° Moon: 29°</p>	<p><b>2022 jul 10 15h53.1m</b> A22_07195 5648 1990VU1 PPMX 13678653 Diam = 60.3 m = 12.3 m = 15.8</p> <p>Dur = 4.0s Dmag = 3.5 Sun: 157° Moon: 26°</p>

# Occultations by major and minor planets – 2022

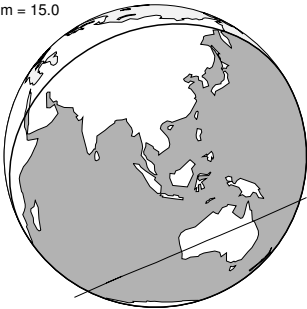
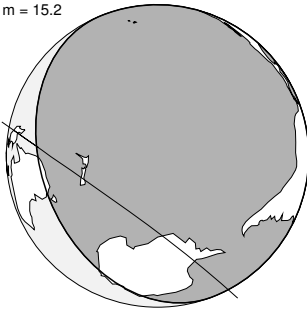
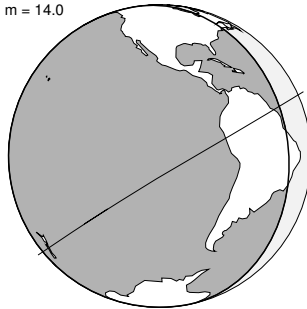
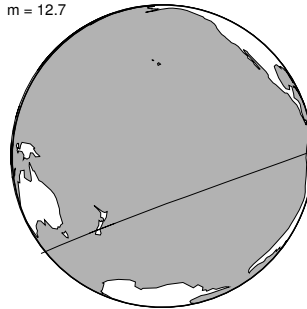
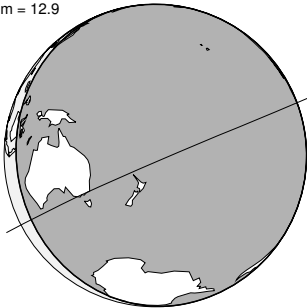
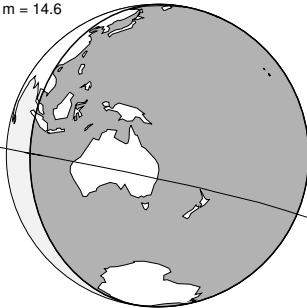
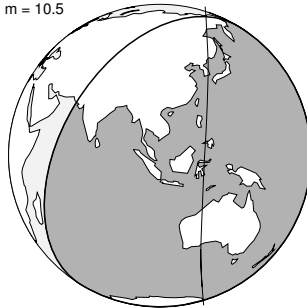
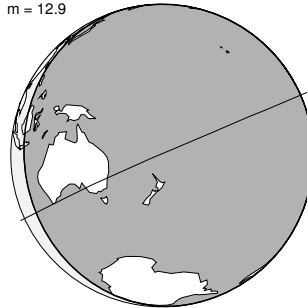
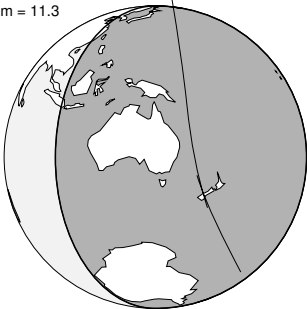
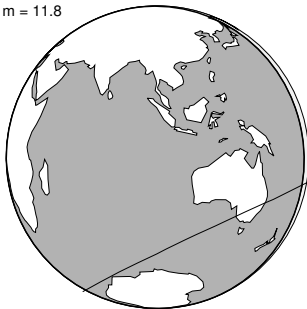
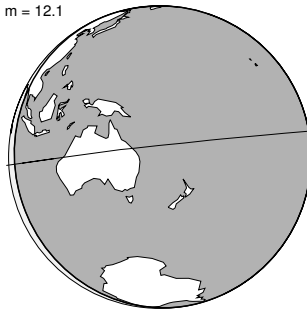
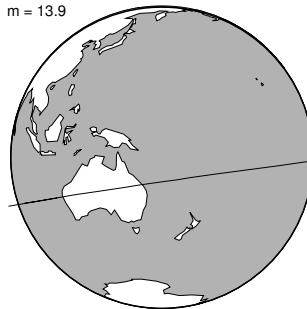
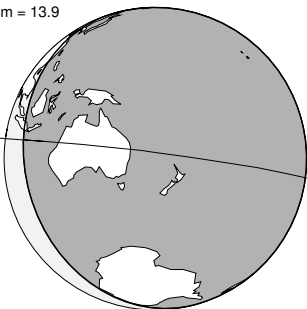
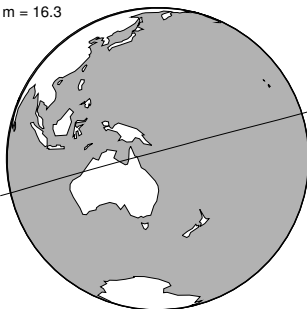
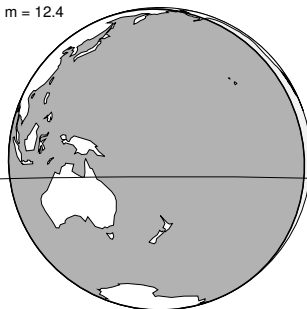
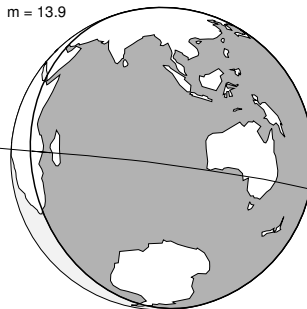
# Region 8

<p><b>2022 jul 11 11h58.5m</b> A22_07116 718 Erida UCAC4 287-148164 Diam = 76.5 m = 11.9 m = 13.7</p> <p>Dur = 8.7s Dmag = 2.0 Sun: 159° Moon: 16°</p>	<p><b>2022 jul 11 13h 4.4m</b> A22_07003 4 Vesta UCAC5 376-169571 Diam = 523.2 m = 6.5</p> <p>Dur = 135.7s Dmag = 0.0 Sun: 132° Moon: 79°</p>	<p><b>2022 jul 12 10h48.3m</b> A22_07039 119 Althaea UCAC4 377-093450 Diam = 60.7 m = 12.0 m = 12.2</p> <p>Dur = 6.8s Dmag = 0.8 Sun: 154° Moon: 13°</p>	<p><b>2022 jul 12 11h59.1m</b> A22_07013 37 Fides UCAC5 343-187766 Diam = 112.0 m = 11.6 m = 11.4</p> <p>Dur = 10.6s Dmag = 0.7 Sun: 158° Moon: 39°</p>
<p><b>2022 jul 12 15h 2.7m</b> A22_07119 718 Erida UCAC4 287-146419 Diam = 76.5 m = 12.3 m = 13.7</p> <p>Dur = 8.9s Dmag = 1.7 Sun: 158° Moon: 7°</p>	<p><b>2022 jul 12 18h12.4m</b> A22_07122 738 Alagasta TYC 0027-00264-1 Diam = 64.8 m = 10.9 m = 16.1</p> <p>Dur = 3.9s Dmag = 5.2 Sun: 87° Moon: 107°</p>	<p><b>2022 jul 12 18h36.2m</b> A22_07094 527 Euryanthe TYC 5825-00922-1 Diam = 55.2 m = 11.1 m = 14.0</p> <p>Dur = 9.5s Dmag = 2.9 Sun: 123° Moon: 71°</p>	<p><b>2022 jul 13 15h 9.7m</b> A22_07163 1356 Nyanza TYC 6853-03657-1 Diam = 67.2 m = 11.8 m = 14.5</p> <p>Dur = 6.2s Dmag = 2.8 Sun: 158° Moon: 19°</p>
<p><b>2022 jul 14 12h41.4m</b> A22_07068 339 Dorothea UCAC4 410-122915 Diam = 43.7 m = 11.7 m = 13.2</p> <p>Dur = 4.0s Dmag = 1.7 Sun: 166° Moon: 21°</p>	<p><b>2022 jul 15 10h 3.3m</b> A22_07045 148 Gallia UCAC4 474-066979 Diam = 104.0 m = 12.4 m = 12.3</p> <p>Dur = 7.3s Dmag = 0.7 Sun: 143° Moon: 57°</p>	<p><b>2022 jul 16 10h12.0m</b> A22_07162 1356 Nyanza TYC 6853-04040-1 Diam = 67.2 m = 9.5 m = 14.5</p> <p>Dur = 6.6s Dmag = 5.0 Sun: 155° Moon: 61°</p>	<p><b>2022 jul 16 10h14.4m</b> A22_07151 1320 Impala TYC 7944-01400-1 Diam = 45.6 m = 8.7 m = 13.5</p> <p>Dur = 4.8s Dmag = 4.9 Sun: 157° Moon: 44°</p>
<p><b>2022 jul 16 12h34.6m</b> A22_07167 1408 Trusanda UCAC4 392-082824 Diam = 41.0 m = 12.1 m = 15.8</p> <p>Dur = 3.7s Dmag = 3.8 Sun: 155° Moon: 62°</p>	<p><b>2022 jul 16 15h22.2m</b> A22_07125 755 Quintilla TYC 5768-01949-1 Diam = 45.5 m = 10.0 m = 14.3</p> <p>Dur = 4.0s Dmag = 4.3 Sun: 162° Moon: 25°</p>	<p><b>2022 jul 16 16h21.9m</b> A22_07031 93 Minerva TYC 7447-00679-1 Diam = 170.8 m = 9.9 m = 10.8</p> <p>Dur = 19.4s Dmag = 1.3 Sun: 165° Moon: 42°</p>	<p><b>2022 jul 17 10h 0.7m</b> A22_07168 1439 Voglia UCAC4 310-218633 Diam = 60.1 m = 12.0 m = 16.7</p> <p>Dur = 4.3s Dmag = 4.7 Sun: 160° Moon: 69°</p>



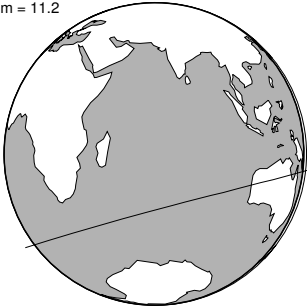
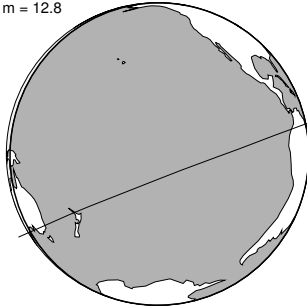
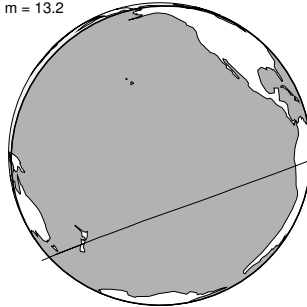
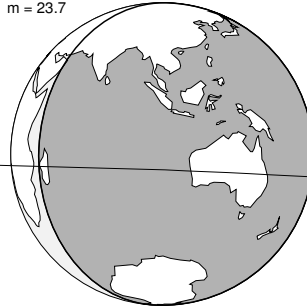
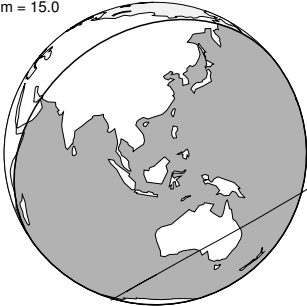
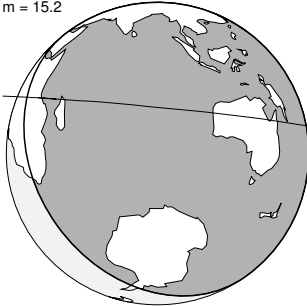
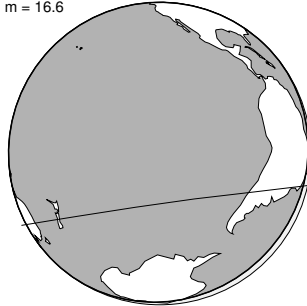
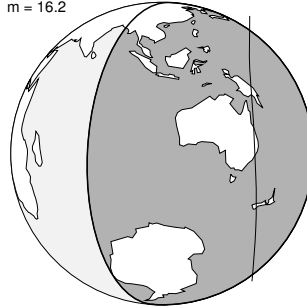
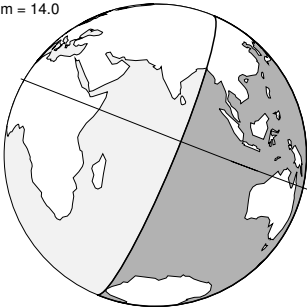
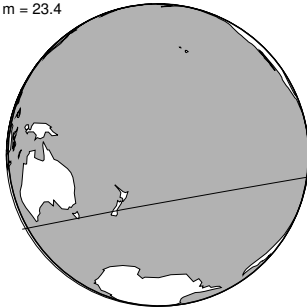
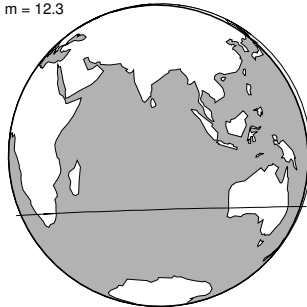
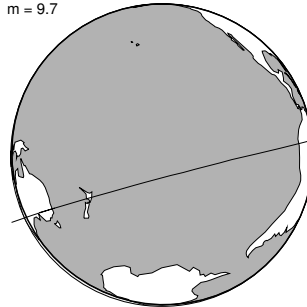
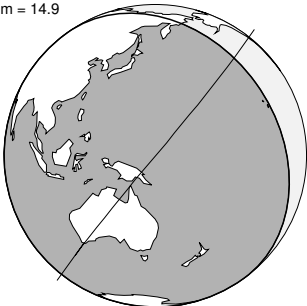
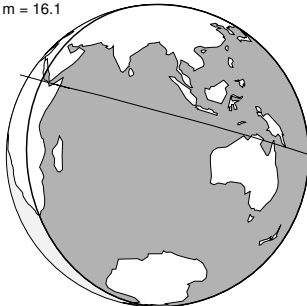
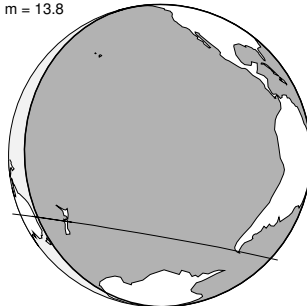
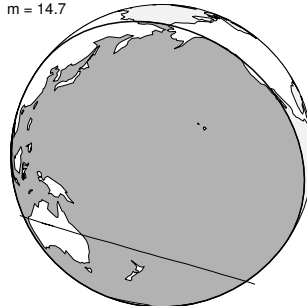
# Occultations by major and minor planets – 2022

# Region 8

<p><b>2022 jul 17 16h 4.7m</b> A22_07174 1796 Riga TYC 1025–01730–1 Diam = 76.5 m = 10.6 m = 15.0</p>  <p>Dur = 6.1s Dmag = 4.4 Sun: 146° Moon: 73°</p>	<p><b>2022 jul 18 7h13.6m</b> A22_07142 973 Aralia UCAC5 233–117891 Diam = 54.7 m = 12.1 m = 15.2</p>  <p>Dur = 5.0s Dmag = 3.2 Sun: 140° Moon: 95°</p>	<p><b>2022 jul 18 9h19.0m</b> A22_07091 503 Evelyln TYC 6380–00697–1 Diam = 79.5 m = 11.1 m = 14.0</p>  <p>Dur = 8.1s Dmag = 3.0 Sun: 148° Moon: 32°</p>	<p><b>2022 jul 18 9h49.1m</b> A22_07082 442 Eichsfeldia UCAC4 361–185209 Diam = 67.5 m = 12.4 m = 12.7</p>  <p>Dur = 7.2s Dmag = 0.9 Sun: 171° Moon: 71°</p>
<p><b>2022 jul 18 10h16.1m</b> A22_07130 786 Bredichina UCAC4 312–166485 Diam = 93.2 m = 12.4 m = 12.9</p>  <p>Dur = 9.5s Dmag = 1.0 Sun: 156° Moon: 86°</p>	<p><b>2022 jul 18 11h34.8m</b> A22_07147 1109 Tata UCAC5 337–092686 Diam = 69.5 m = 12.4 m = 14.6</p>  <p>Dur = 10.2s Dmag = 2.3 Sun: 147° Moon: 97°</p>	<p><b>2022 jul 18 14h 9.9m</b> A22_07017 41 Daphne UCAC4 467–057444 Diam = 182.0 m = 11.8 m = 10.5</p>  <p>Dur = 27.8s Dmag = 0.3 Sun: 130° Moon: 109°</p>	<p><b>2022 jul 19 10h34.7m</b> A22_07129 786 Bredichina PPMX 12690868 Diam = 93.2 m = 12.2 m = 12.9</p>  <p>Dur = 9.8s Dmag = 1.1 Sun: 155° Moon: 100°</p>
<p><b>2022 jul 19 11h 1.1m</b> A22_07080 416 Vaticana UCAC4 289–088661 Diam = 89.5 m = 11.4 m = 11.3</p>  <p>Dur = 50.1s Dmag = 0.7 Sun: 131° Moon: 123°</p>	<p><b>2022 jul 19 18h31.0m</b> A22_07035 113 Amalthea TYC 6349–00951–1 Diam = 47.6 m = 10.8 m = 11.8</p>  <p>Dur = 4.8s Dmag = 1.3 Sun: 165° Moon: 65°</p>	<p><b>2022 jul 20 12h10.8m</b> A22_07037 116 Sirona TYC 6868–01053–1 Diam = 75.5 m = 9.3 m = 12.1</p>  <p>Dur = 6.5s Dmag = 2.9 Sun: 163° Moon: 105°</p>	<p><b>2022 jul 20 13h27.7m</b> A22_07123 743 Eugenis UCAC4 383–153810 Diam = 55.7 m = 12.5 m = 13.9</p>  <p>Dur = 4.7s Dmag = 1.7 Sun: 172° Moon: 88°</p>
<p><b>2022 jul 21 11h 4.5m</b> A22_07121 718 Erida PPMX 13683687 Diam = 76.5 m = 12.3 m = 13.9</p>  <p>Dur = 11.5s Dmag = 1.8 Sun: 149° Moon: 128°</p>	<p><b>2022 jul 21 13h30.4m</b> A22_07182 2246 Bowell TYC 6299–02197–1 Diam = 52.1 m = 11.4 m = 16.3</p>  <p>Dur = 3.5s Dmag = 4.8 Sun: 172° Moon: 106°</p>	<p><b>2022 jul 21 13h49.5m</b> A22_07076 407 Arachne UCAC4 388–143856 Diam = 97.0 m = 12.5 m = 12.4</p>  <p>Dur = 10.3s Dmag = 0.7 Sun: 160° Moon: 82°</p>	<p><b>2022 jul 21 15h40.5m</b> A22_07120 718 Erida UCAC4 287–137193 Diam = 76.5 m = 12.4 m = 13.9</p>  <p>Dur = 11.6s Dmag = 1.8 Sun: 149° Moon: 131°</p>

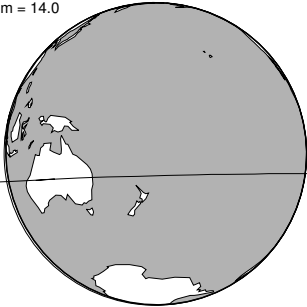
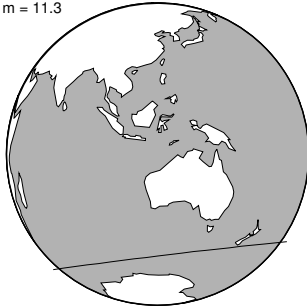
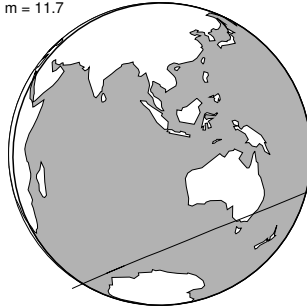
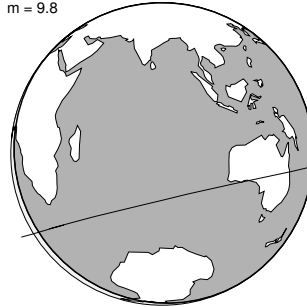
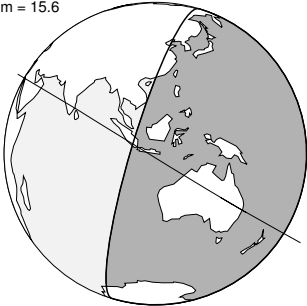
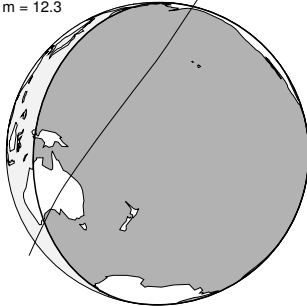
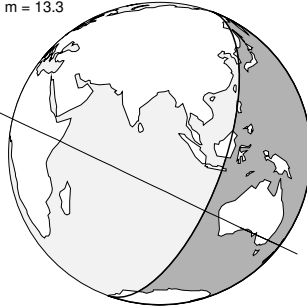
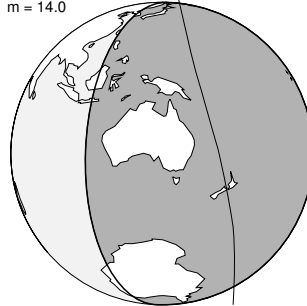
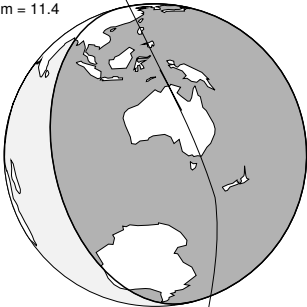
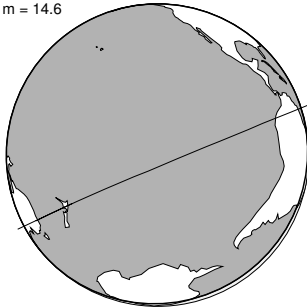
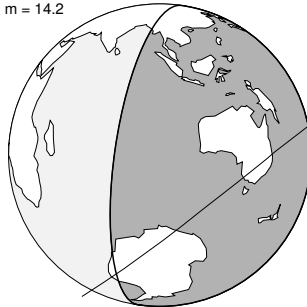
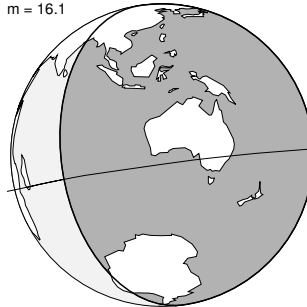
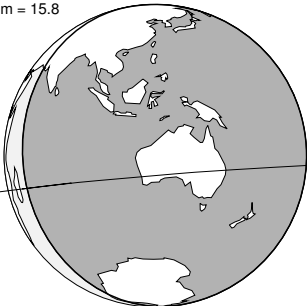
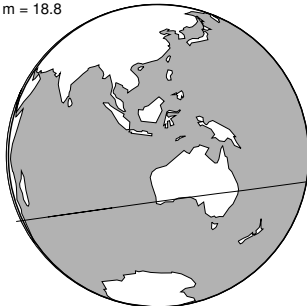
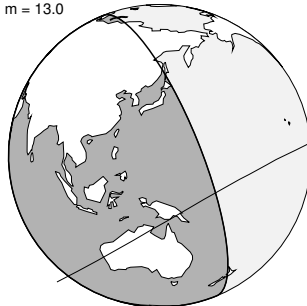
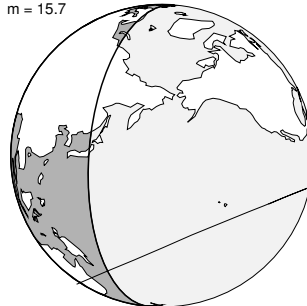
# Occultations by major and minor planets – 2022

# Region 8

<p><b>2022 jul 21 20h19.2m</b> A22_07014 37 Fides TYC 6356–00396–1 Diam = 112.0 m = 11.9 m = 11.2</p>  <p>Dur = 9.3s Dmag = 0.4 Sun: 169° Moon: 94°</p>	<p><b>2022 jul 22 8h39.7m</b> A22_07083 442 Eichsfeldia TYC 6287–01487–1 Diam = 67.5 m = 9.5 m = 12.8</p>  <p>Dur = 7.4s Dmag = 3.3 Sun: 167° Moon: 122°</p>	<p><b>2022 jul 22 8h58.5m</b> A22_07069 339 Dorothea PPMX 10702583 Diam = 43.7 m = 11.8 m = 13.2</p>  <p>Dur = 4.0s Dmag = 1.6 Sun: 164° Moon: 118°</p>	<p><b>2022 jul 22 14h46.1m</b> B22_07003 88267 2001KE76 UCAC4 335–109772 Diam = 151.4 m = 14.3 m = 23.7</p>  <p>Dur = 7.8s Dmag = 9.4 Sun: 144° Moon: 148°</p>
<p><b>2022 jul 22 15h 2.7m</b> A22_07175 1796 Riga TYC 1024–02010–1 Diam = 76.5 m = 8.9 m = 15.0</p>  <p>Dur = 6.2s Dmag = 6.1 Sun: 144° Moon: 125°</p>	<p><b>2022 jul 22 16h 8.3m</b> A22_07105 617 Patroclus PPMX 15665940 Diam = 149.0 m = 12.4 m = 15.2</p>  <p>Dur = 11.6s Dmag = 2.9 Sun: 144° Moon: 137°</p>	<p><b>2022 jul 23 9h 2.4m</b> A22_07185 2765 Dinant TYC 7458–01308–1 Diam = 46.6 m = 11.3 m = 16.6</p>  <p>Dur = 3.4s Dmag = 5.4 Sun: 164° Moon: 113°</p>	<p><b>2022 jul 23 12h24.4m</b> A22_07088 493 Griseldis UCAC4 260–085159 Diam = 52.0 m = 12.5 m = 16.2</p>  <p>Dur = 8.6s Dmag = 3.8 Sun: 119° Moon: 163°</p>
<p><b>2022 jul 23 12h34.4m</b> A22_07050 209 Dido UCAC4 382–063022 Diam = 149.0 m = 12.4 m = 14.0</p>  <p>Dur = 7.4s Dmag = 1.8 Sun: 82° Moon: 140°</p>	<p><b>2022 jul 24 10h36.7m</b> B22_07009 1996KV1 UCAC4 328–193429 Diam = 144.5 m = 14.3 m = 23.4</p>  <p>Dur = 6.0s Dmag = 9.1 Sun: 169° Moon: 143°</p>	<p><b>2022 jul 26 19h21.0m</b> A22_07075 407 Arachne UCAC5 388–133796 Diam = 97.0 m = 12.5 m = 12.3</p>  <p>Dur = 9.6s Dmag = 0.7 Sun: 166° Moon: 145°</p>	<p><b>2022 jul 27 9h20.9m</b> A22_07004 9 Metis UCAC5 311–229850 Diam = 231.2 m = 12.4 m = 9.7</p>  <p>Dur = 20.1s Dmag = 0.1 Sun: 169° Moon: 173°</p>
<p><b>2022 jul 27 15h56.1m</b> A22_07150 1263 Varsavia UCAC4 453–123631 Diam = 50.7 m = 12.5 m = 14.9</p>  <p>Dur = 4.5s Dmag = 2.6 Sun: 145° Moon: 132°</p>	<p><b>2022 jul 28 15h55.4m</b> A22_07188 3708 1974FV1 UCAC5 319–161058 Diam = 57.5 m = 12.5 m = 16.1</p>  <p>Dur = 4.6s Dmag = 3.7 Sun: 149° Moon: 151°</p>	<p><b>2022 jul 29 6h57.0m</b> A22_07086 465 Alekto UCAC5 328–156698 Diam = 76.6 m = 12.5 m = 13.8</p>  <p>Dur = 10.5s Dmag = 1.6 Sun: 153° Moon: 147°</p>	<p><b>2022 jul 30 13h 1.3m</b> A22_07180 2152 Hannibal UCAC4 498–146179 Diam = 49.0 m = 12.0 m = 14.7</p>  <p>Dur = 5.7s Dmag = 2.8 Sun: 145° Moon: 153°</p>

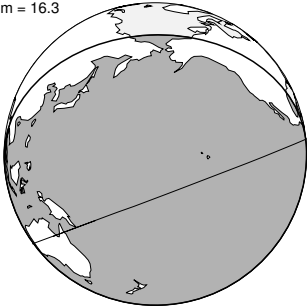
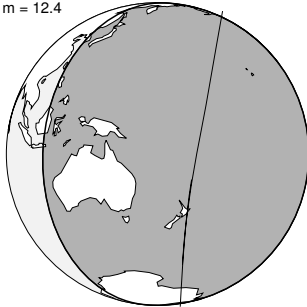
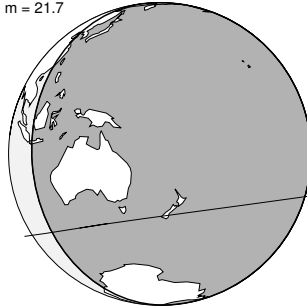
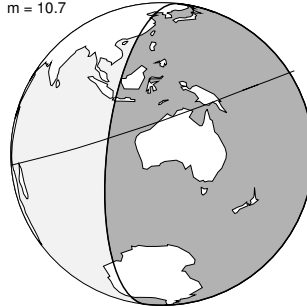
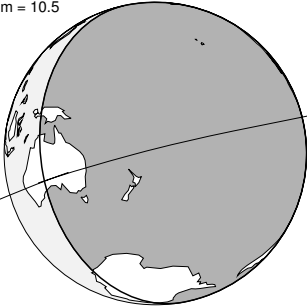
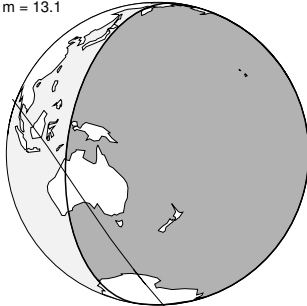
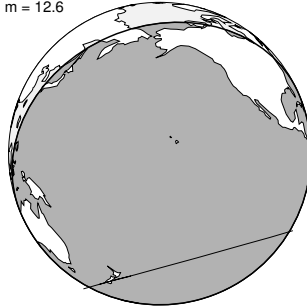
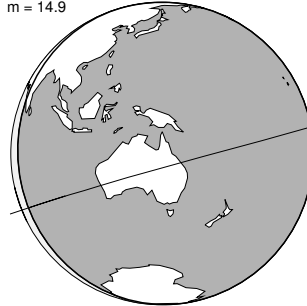
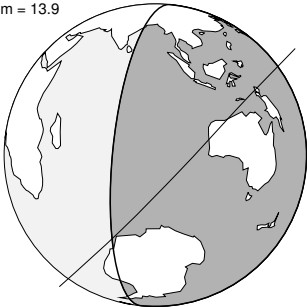
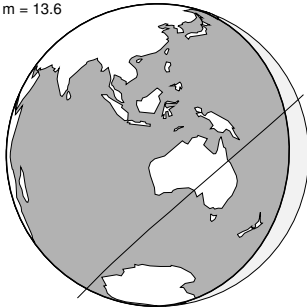
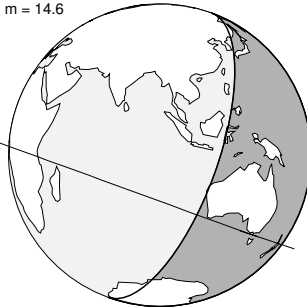
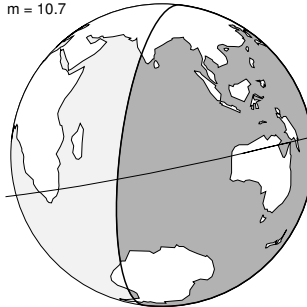
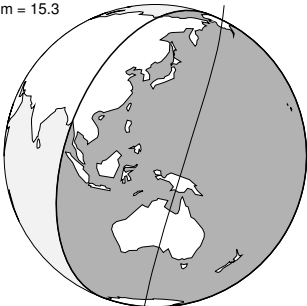
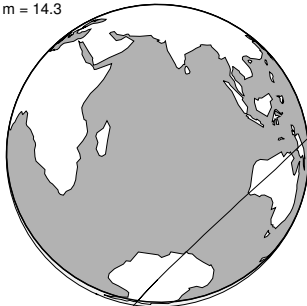
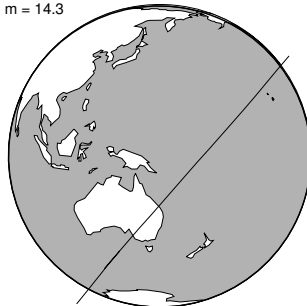
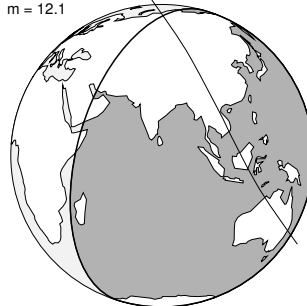
# Occultations by major and minor planets – 2022

# Region 8

<p><b>2022 jul 31 11h22.8m</b> A22_07145 1086 Nata TYC 6892-00361-1 Diam = 70.5 m = 9.4 m = 14.0</p>  <p>Dur = 5.2s Dmag = 4.6 Sun: 170° Moon: 140°</p>	<p><b>2022 jul 31 15h56.5m</b> A22_07057 241 Germania UCAC4 382-155557 Diam = 169.0 m = 11.1 m = 11.3</p>  <p>Dur = 15.3s Dmag = 0.9 Sun: 174° Moon: 144°</p>	<p><b>2022 jul 31 16h17.1m</b> A22_07010 28 Bellona UCAC5 374-159243 Diam = 126.0 m = 12.4 m = 11.7</p>  <p>Dur = 9.2s Dmag = 0.5 Sun: 165° Moon: 133°</p>	<p><b>2022 jul 31 17h40.0m</b> A22_07005 9 Metis TYC 6903-02318-1 Diam = 231.2 m = 8.3 m = 9.8</p>  <p>Dur = 20.9s Dmag = 1.7 Sun: 164° Moon: 133°</p>
<p><b>2022 aug 2 11h 4.7m</b> A22_08073 513 Centesima TYC 5581-00721-1 Diam = 52.5 m = 10.6 m = 15.6</p>  <p>Dur = 4.9s Dmag = 5.0 Sun: 99° Moon: 46°</p>	<p><b>2022 aug 4 9h 9.7m</b> A22_08049 269 Justitia UCAC4 368-133795 Diam = 54.7 m = 11.7 m = 12.3</p>  <p>Dur = 15.7s Dmag = 1.1 Sun: 145° Moon: 69°</p>	<p><b>2022 aug 4 10h25.4m</b> A22_08029 103 Hera TYC 4957-00617-1 Diam = 95.2 m = 10.5 m = 13.3</p>  <p>Dur = 3.3s Dmag = 2.8 Sun: 64° Moon: 13°</p>	<p><b>2022 aug 4 10h30.8m</b> A22_08026 81 Terpsichore TYC 7349-02545-1 Diam = 124.0 m = 10.4 m = 14.0</p>  <p>Dur = 34.7s Dmag = 3.6 Sun: 120° Moon: 45°</p>
<p><b>2022 aug 4 12h23.0m</b> A22_08021 70 Panopaea UCAC4 253-130288 Diam = 127.0 m = 11.2 m = 11.4</p>  <p>Dur = 86.9s Dmag = 0.9 Sun: 132° Moon: 58°</p>	<p><b>2022 aug 5 9h25.3m</b> A22_08123 1028 Lydina UCAC4 311-261645 Diam = 76.3 m = 11.7 m = 14.6</p>  <p>Dur = 5.3s Dmag = 3.0 Sun: 167° Moon: 94°</p>	<p><b>2022 aug 5 12h14.1m</b> A22_08093 709 Fringilla TYC 7339-00547-1 Diam = 99.6 m = 11.4 m = 14.2</p>  <p>Dur = 8.8s Dmag = 2.9 Sun: 107° Moon: 25°</p>	<p><b>2022 aug 5 12h40.4m</b> A22_08157 5648 1990VU1 TYC 7384-00785-1 Diam = 60.3 m = 10.1 m = 16.1</p>  <p>Dur = 8.5s Dmag = 6.0 Sun: 131° Moon: 43°</p>
<p><b>2022 aug 7 13h59.4m</b> A22_08137 1669 Dagmar UCAC4 331-192191 Diam = 41.5 m = 11.8 m = 15.8</p>  <p>Dur = 4.7s Dmag = 4.0 Sun: 151° Moon: 34°</p>	<p><b>2022 aug 7 15h40.4m</b> B22_08001 10199 Chariklo UCAC4 369-178667 Diam = 248.0 m = 15.0 m = 18.8</p>  <p>Dur = 10.9s Dmag = 3.9 Sun: 170° Moon: 53°</p>	<p><b>2022 aug 8 19h21.7m</b> A22_08044 211 Isolda HIP 8262 Diam = 148.0 m = 8.8 m = 13.0</p>  <p>Dur = 14.9s Dmag = 4.3 Sun: 105° Moon: 120°</p>	<p><b>2022 aug 8 19h52.6m</b> A22_08121 911 Agamemnon TYC 2902-02461-1 Diam = 175.0 m = 10.9 m = 15.7</p>  <p>Dur = 5.9s Dmag = 4.7 Sun: 61° Moon: 159°</p>

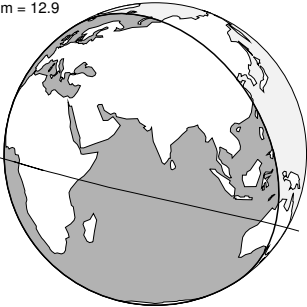
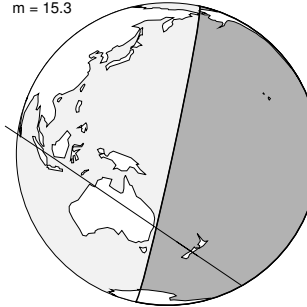
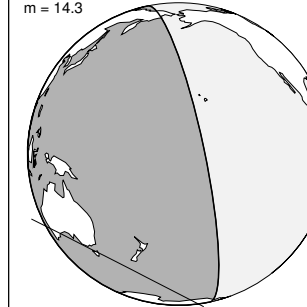
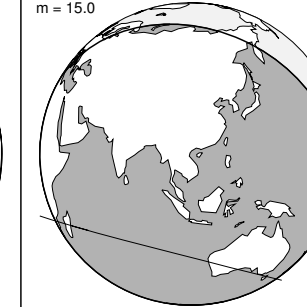
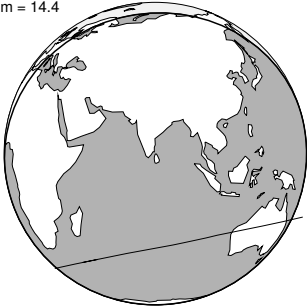
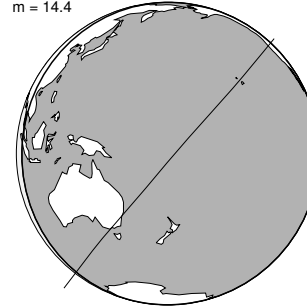
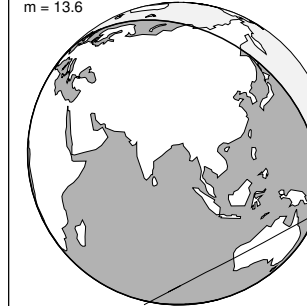
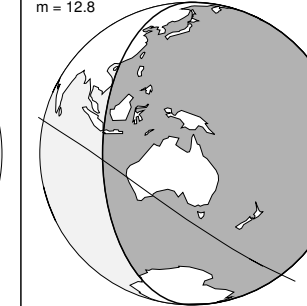
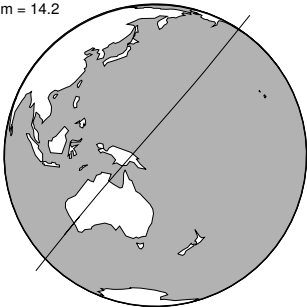
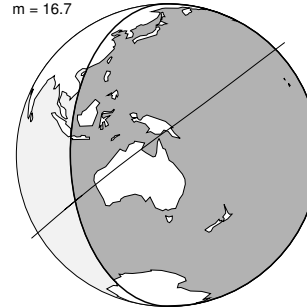
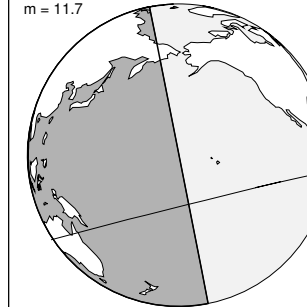
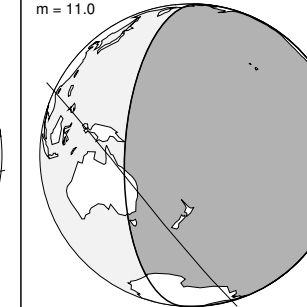
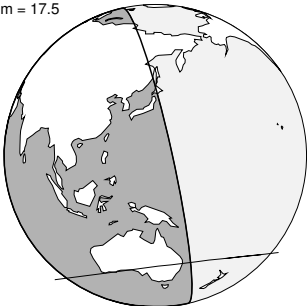
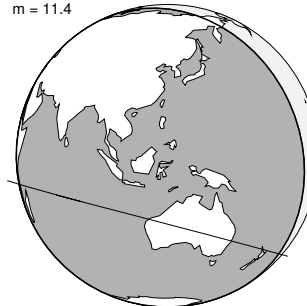
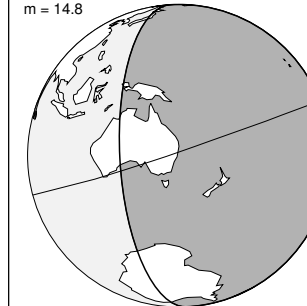
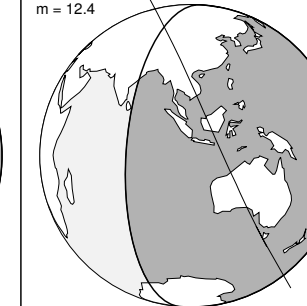
# Occultations by major and minor planets – 2022

# Region 8

<p><b>2022 aug 9 11h48.6m</b> A22_08143 2363 Cebiriones TYC 1661-02014-1 Diam = 91.7 m = 11.6 m = 16.3</p>  <p>Dur = 5.8s Dmag = 4.7 Sun: 141° Moon: 60°</p>	<p><b>2022 aug 10 10h24.5m</b> A22_08051 269 Justitia UCAC4 365-133617 Diam = 54.7 m = 12.1 m = 12.4</p>  <p>Dur = 18.2s Dmag = 0.9 Sun: 139° Moon: 20°</p>	<p><b>2022 aug 10 10h48.8m</b> B22_08004 2001KD77 UCAC4 344-177177 Diam = 263.0 m = 14.4 m = 21.7</p>  <p>Dur = 13.4s Dmag = 7.3 Sun: 147° Moon: 11°</p>	<p><b>2022 aug 10 10h50.8m</b> A22_08009 29 Amphitrite UCAC4 304-089955 Diam = 219.0 m = 12.4 m = 10.7</p>  <p>Dur = 34.6s Dmag = 0.2 Sun: 111° Moon: 45°</p>
<p><b>2022 aug 11 8h57.0m</b> A22_08005 14 Irene UCAC4 305-249013 Diam = 152.4 m = 12.4 m = 10.5</p>  <p>Dur = 34.1s Dmag = 0.2 Sun: 139° Moon: 31°</p>	<p><b>2022 aug 12 9h19.7m</b> A22_08107 783 Nora UCAC4 374-098636 Diam = 41.3 m = 11.9 m = 13.1</p>  <p>Dur = 6.2s Dmag = 1.5 Sun: 126° Moon: 58°</p>	<p><b>2022 aug 12 10h 3.4m</b> A22_08068 480 Hansa UCAC4 526-137304 Diam = 58.0 m = 11.6 m = 12.6</p>  <p>Dur = 5.0s Dmag = 1.3 Sun: 147° Moon: 38°</p>	<p><b>2022 aug 13 13h22.9m</b> A22_08128 1269 Rollandia UCAC4 355-194106 Diam = 109.0 m = 12.4 m = 14.9</p>  <p>Dur = 7.8s Dmag = 2.6 Sun: 162° Moon: 39°</p>
<p><b>2022 aug 14 12h41.6m</b> A22_08079 602 Marianna UCAC4 263-096321 Diam = 130.0 m = 11.2 m = 13.9</p>  <p>Dur = 13.3s Dmag = 2.8 Sun: 106° Moon: 105°</p>	<p><b>2022 aug 15 18h17.8m</b> A22_08061 347 Pariana TYC 6407-00268-1 Diam = 96.4 m = 11.9 m = 13.6</p>  <p>Dur = 8.1s Dmag = 1.9 Sun: 150° Moon: 27°</p>	<p><b>2022 aug 16 10h 3.3m</b> A22_08025 76 Freia UCAC4 395-056642 Diam = 190.0 m = 11.6 m = 14.6</p>  <p>Dur = 7.3s Dmag = 3.1 Sun: 67° Moon: 170°</p>	<p><b>2022 aug 16 13h17.3m</b> A22_08010 29 Amphitrite TYC 6806-00884-1 Diam = 219.0 m = 10.2 m = 10.7</p>  <p>Dur = 25.4s Dmag = 1.0 Sun: 106° Moon: 132°</p>
<p><b>2022 aug 18 11h52.7m</b> A22_08138 1796 Riga TYC 0441-00921-1 Diam = 76.5 m = 12.5 m = 15.3</p>  <p>Dur = 7.1s Dmag = 2.9 Sun: 126° Moon: 124°</p>	<p><b>2022 aug 18 19h12.6m</b> A22_08131 1428 Mombasa UCAC4 313-260781 Diam = 60.0 m = 12.5 m = 14.3</p>  <p>Dur = 5.3s Dmag = 2.0 Sun: 165° Moon: 94°</p>	<p><b>2022 aug 20 14h 6.8m</b> A22_08126 1263 Varsavia UCAC4 429-116879 Diam = 50.7 m = 12.1 m = 14.3</p>  <p>Dur = 3.1s Dmag = 2.3 Sun: 171° Moon: 100°</p>	<p><b>2022 aug 20 14h59.5m</b> A22_08090 694 Ekard UCAC5 461-076085 Diam = 92.7 m = 12.5 m = 12.1</p>  <p>Dur = 27.0s Dmag = 0.6 Sun: 124° Moon: 145°</p>

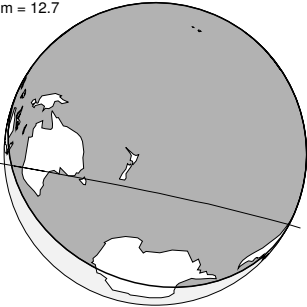
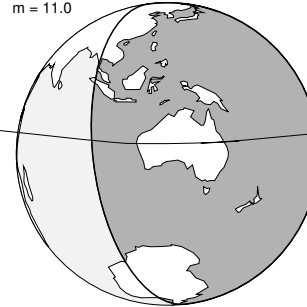
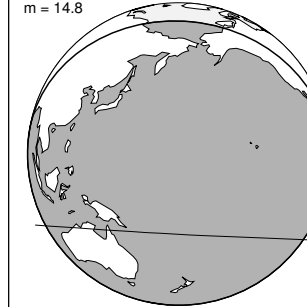
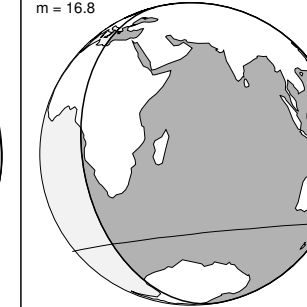
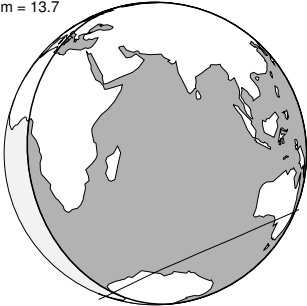
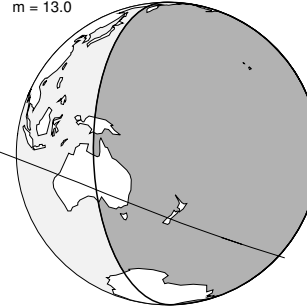
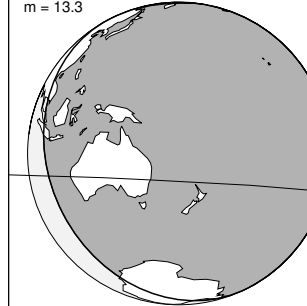
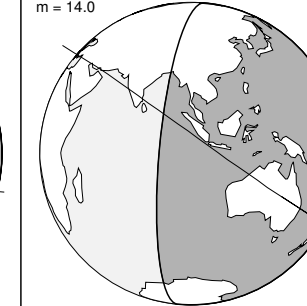
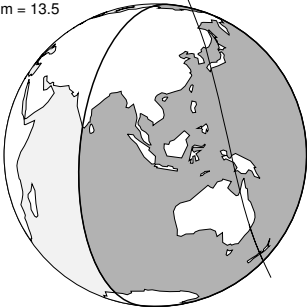
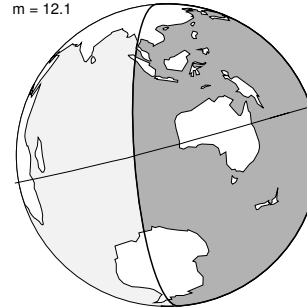
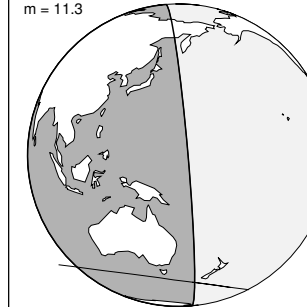
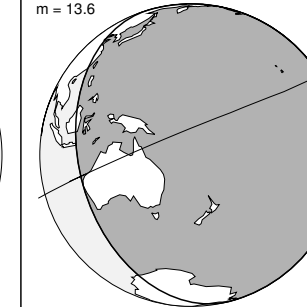
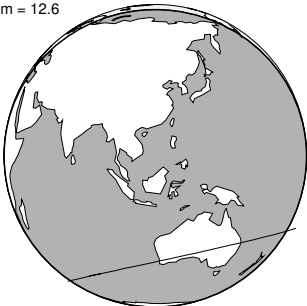
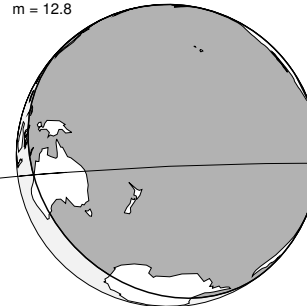
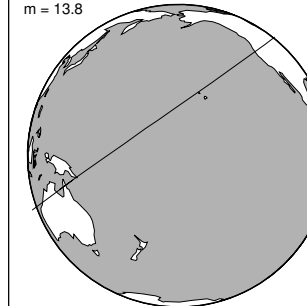
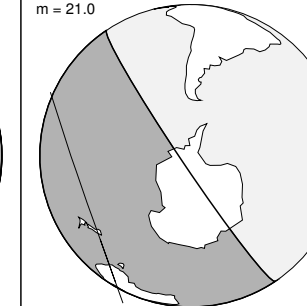
# Occultations by major and minor planets – 2022

# Region 8

<p><b>2022 aug 20 21h31.7m</b> A22_08016 38 Leda TYC 0599-01111-1 Diam = 120.0 m = 11.6 m = 12.9</p>  <p>Dur = 21.2s Dmag = 1.6 Sun: 136° Moon: 66°</p>	<p><b>2022 aug 21 7h16.8m</b> A22_08078 601 Nerthus UCAC5 437-057652 Diam = 76.0 m = 12.4 m = 15.3</p>  <p>Dur = 4.1s Dmag = 3.0 Sun: 88° Moon: 148°</p>	<p><b>2022 aug 21 16h29.7m</b> A22_08105 780 Armenia UCAC4 443-004437 Diam = 97.1 m = 11.5 m = 14.3</p>  <p>Dur = 6.4s Dmag = 2.9 Sun: 99° Moon: 44°</p>	<p><b>2022 aug 21 17h52.6m</b> A22_08149 3025 Higson TYC 1714-00965-1 Diam = 52.1 m = 12.1 m = 15.0</p>  <p>Dur = 4.2s Dmag = 3.0 Sun: 145° Moon: 91°</p>
<p><b>2022 aug 21 18h24.9m</b> A22_08140 2152 Hannibal TYC 1125-00565-1 Diam = 49.0 m = 11.4 m = 14.4</p>  <p>Dur = 4.7s Dmag = 3.1 Sun: 157° Moon: 112°</p>	<p><b>2022 aug 24 11h28.2m</b> A22_08136 1585 Union UCAC4 401-127526 Diam = 52.1 m = 12.5 m = 14.4</p>  <p>Dur = 3.4s Dmag = 2.1 Sun: 164° Moon: 159°</p>	<p><b>2022 aug 24 19h31.8m</b> A22_08054 276 Adelheid TYC 1724-00026-1 Diam = 127.0 m = 10.3 m = 13.6</p>  <p>Dur = 12.9s Dmag = 3.4 Sun: 143° Moon: 116°</p>	<p><b>2022 aug 25 10h53.6m</b> A22_08053 269 Justitia PPMX 11674213 Diam = 54.7 m = 12.1 m = 12.8</p>  <p>Dur = 10.3s Dmag = 1.2 Sun: 125° Moon: 146°</p>
<p><b>2022 aug 25 13h34.0m</b> A22_08127 1263 Varsavia UCAC4 424-131408 Diam = 50.7 m = 12.5 m = 14.2</p>  <p>Dur = 3.0s Dmag = 1.9 Sun: 173° Moon: 158°</p>	<p><b>2022 aug 26 10h54.2m</b> A22_08130 1345 Potomac UCAC5 365-145809 Diam = 79.3 m = 12.5 m = 16.7</p>  <p>Dur = 10.0s Dmag = 4.3 Sun: 129° Moon: 139°</p>	<p><b>2022 aug 26 17h 9.5m</b> A22_08012 30 Urania UCAC4 566-008945 Diam = 104.0 m = 12.4 m = 11.7</p>  <p>Dur = 5.5s Dmag = 0.5 Sun: 90° Moon: 83°</p>	<p><b>2022 aug 27 7h50.1m</b> A22_08063 387 Aquitania TYC 6254-03329-1 Diam = 106.0 m = 10.3 m = 11.0</p>  <p>Dur = 9.3s Dmag = 1.2 Sun: 116° Moon: 116°</p>
<p><b>2022 aug 27 19h54.6m</b> A22_08147 2932 Kempchinsky UCAC4 539-007173 Diam = 48.7 m = 11.8 m = 17.5</p>  <p>Dur = 3.9s Dmag = 5.7 Sun: 96° Moon: 102°</p>	<p><b>2022 aug 28 17h30.8m</b> A22_08112 804 Hispania TYC 0004-00475-1 Diam = 140.6 m = 10.3 m = 11.4</p>  <p>Dur = 15.4s Dmag = 1.4 Sun: 151° Moon: 166°</p>	<p><b>2022 aug 29 9h12.7m</b> A22_08094 718 Erida UCAC4 293-142053 Diam = 76.5 m = 11.6 m = 14.8</p>  <p>Dur = 10.4s Dmag = 3.2 Sun: 112° Moon: 90°</p>	<p><b>2022 aug 30 12h35.9m</b> A22_08039 173 Ino UCAC4 387-089723 Diam = 159.0 m = 12.1 m = 12.4</p>  <p>Dur = 19.4s Dmag = 0.9 Sun: 115° Moon: 78°</p>

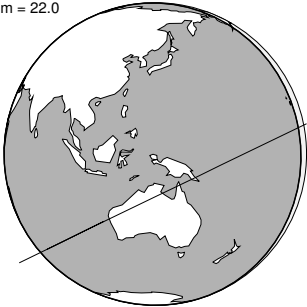
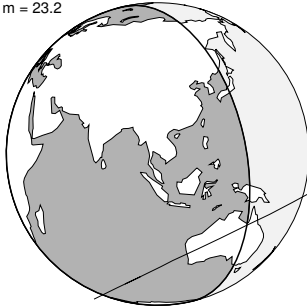
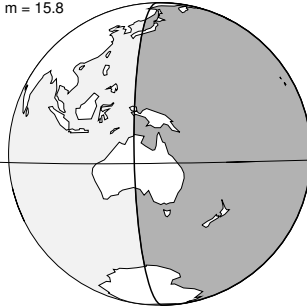
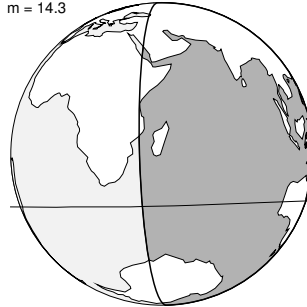
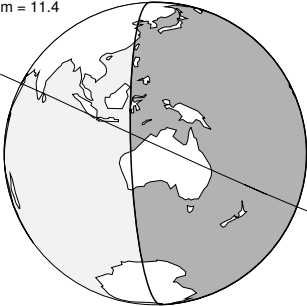
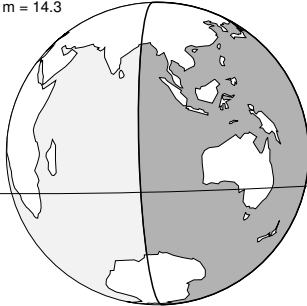
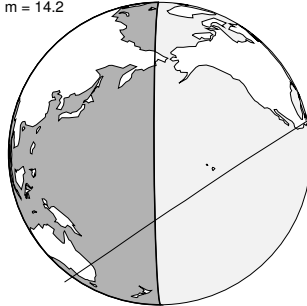
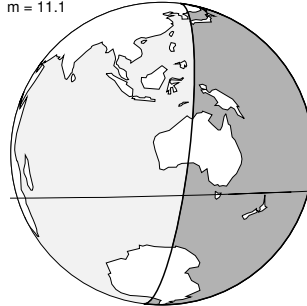
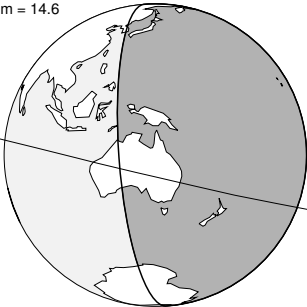
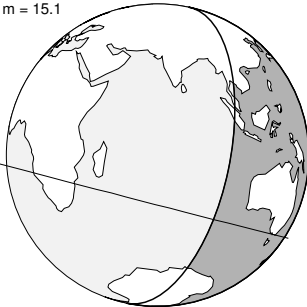
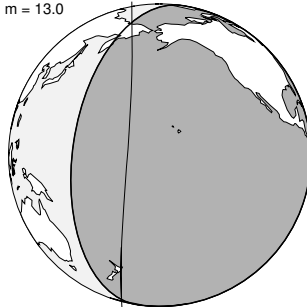
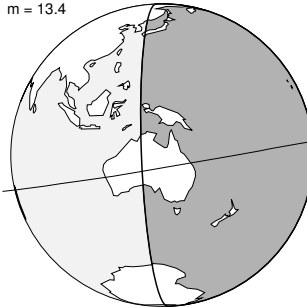
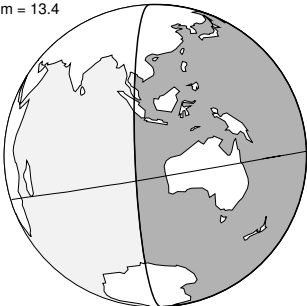
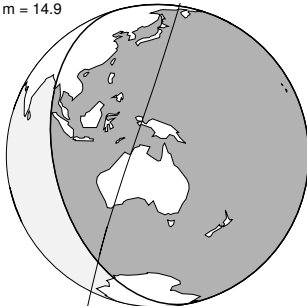
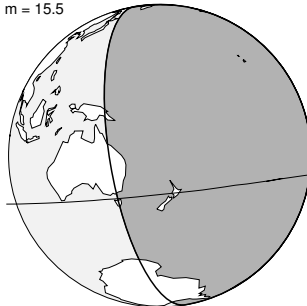
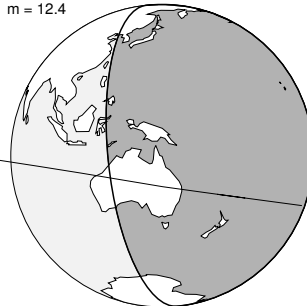
# Occultations by major and minor planets – 2022

# Region 8

<p><b>2022 aug 31 10h40.7m</b> A22_08077 595 Polyxena UCAC5 261–180060 Diam = 114.0 m = 12.4 m = 12.7</p>  <p>Dur = 9.9s Dmag = 0.9 Sun: 148° Moon: 108°</p>	<p><b>2022 aug 31 11h31.2m</b> A22_08006 14 Irene PPMX 12727922 Diam = 152.4 m = 11.7 m = 11.0</p>  <p>Dur = 50.2s Dmag = 0.5 Sun: 119° Moon: 71°</p>	<p><b>2022 aug 31 12h46.5m</b> A22_08150 3025 Higson TYC 1706–00814–1 Diam = 52.1 m = 9.5 m = 14.8</p>  <p>Dur = 4.0s Dmag = 5.4 Sun: 151° Moon: 137°</p>	<p><b>2022 sep 1 17h 8.5m</b> A22_09156 3148 Grechko UCAC4 341–193185 Diam = 51.5 m = 11.5 m = 16.8</p>  <p>Dur = 9.9s Dmag = 5.3 Sun: 135° Moon: 72°</p>
<p><b>2022 sep 1 17h33.8m</b> A22_09073 358 Apollonia TYC 6330–00434–1 Diam = 91.8 m = 11.6 m = 13.7</p>  <p>Dur = 10.6s Dmag = 2.3 Sun: 147° Moon: 83°</p>	<p><b>2022 sep 2 8h36.5m</b> A22_09060 269 Justitia UCAC4 357–153255 Diam = 54.7 m = 11.4 m = 13.0</p>  <p>Dur = 7.2s Dmag = 1.8 Sun: 119° Moon: 48°</p>	<p><b>2022 sep 4 11h11.2m</b> A22_09012 35 Leukothea TYC 6924–00440–1 Diam = 108.0 m = 10.7 m = 13.3</p>  <p>Dur = 11.2s Dmag = 2.7 Sun: 149° Moon: 51°</p>	<p><b>2022 sep 4 12h 7.9m</b> A22_09065 313 Chaldaea UCAC5 399–067046 Diam = 101.0 m = 12.4 m = 14.0</p>  <p>Dur = 8.6s Dmag = 1.8 Sun: 102° Moon: 16°</p>
<p><b>2022 sep 8 12h53.9m</b> A22_09093 509 Iolanda UCAC4 438–091439 Diam = 59.0 m = 11.1 m = 13.5</p>  <p>Dur = 9.0s Dmag = 2.5 Sun: 120° Moon: 40°</p>	<p><b>2022 sep 11 11h25.2m</b> A22_09022 70 Panopaea TYC 7899–01357–1 Diam = 127.0 m = 11.4 m = 12.1</p>  <p>Dur = 9.5s Dmag = 1.2 Sun: 102° Moon: 90°</p>	<p><b>2022 sep 11 19h22.4m</b> A22_09095 532 Herculina TYC 0685–00731–1 Diam = 216.5 m = 10.1 m = 11.3</p>  <p>Dur = 15.9s Dmag = 1.5 Sun: 93° Moon: 68°</p>	<p><b>2022 sep 12 10h15.4m</b> A22_09068 334 Chicago TYC 6338–01397–1 Diam = 170.0 m = 9.4 m = 13.6</p>  <p>Dur = 26.0s Dmag = 4.2 Sun: 137° Moon: 68°</p>
<p><b>2022 sep 12 16h21.4m</b> A22_09128 972 Cohnia UCAC5 505–140446 Diam = 79.0 m = 12.5 m = 12.6</p>  <p>Dur = 9.6s Dmag = 0.8 Sun: 164° Moon: 28°</p>	<p><b>2022 sep 13 9h42.1m</b> A22_09030 118 Peitho TYC 6956–00544–1 Diam = 45.7 m = 10.8 m = 12.8</p>  <p>Dur = 5.2s Dmag = 2.2 Sun: 149° Moon: 67°</p>	<p><b>2022 sep 13 11h 9.4m</b> A22_09108 664 Judith UCAC4 435–121028 Diam = 42.3 m = 12.4 m = 13.8</p>  <p>Dur = 3.5s Dmag = 1.6 Sun: 177° Moon: 37°</p>	<p><b>2022 sep 13 12h57.9m</b> B22_09008 2012DR30 UCAC4 069–006731 Diam = 158.5 m = 12.9 m = 21.0</p>  <p>Dur = 5.1s Dmag = 8.1 Sun: 86° Moon: 99°</p>

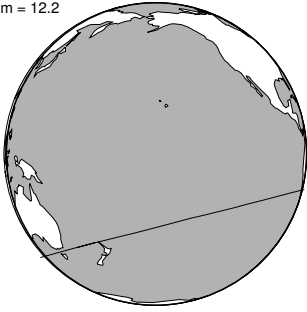
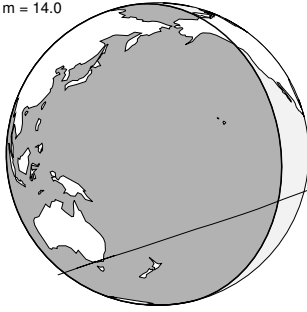
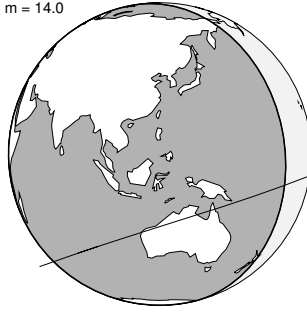
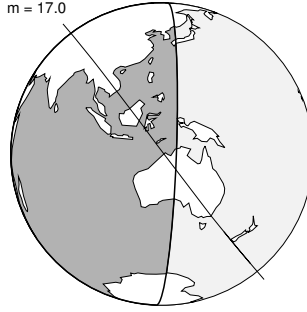
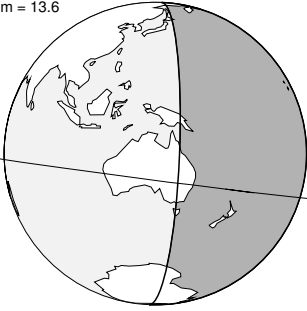
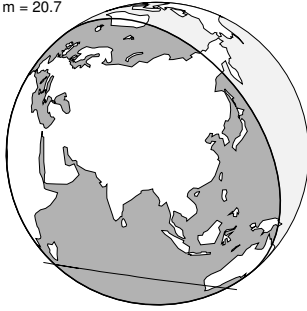
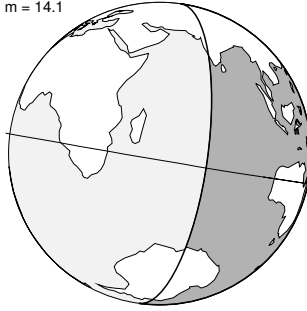
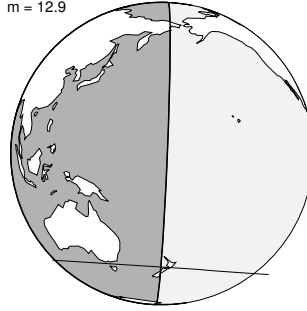
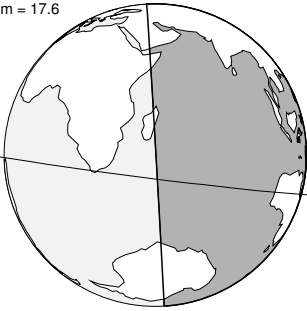
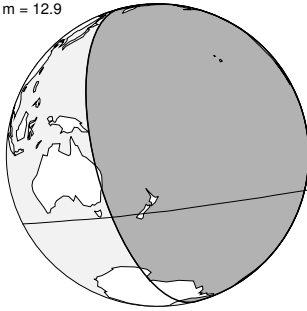
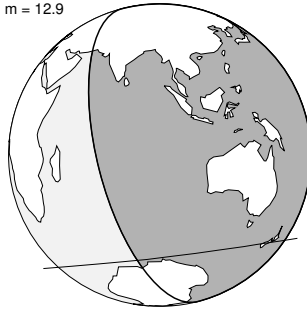
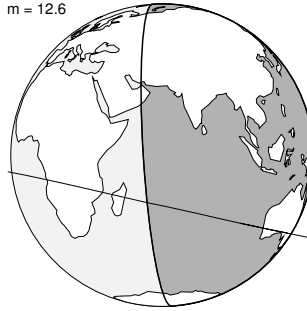
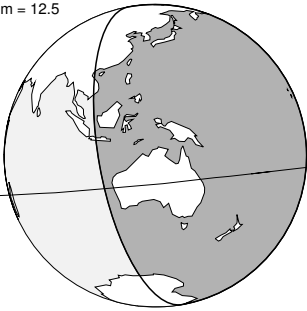
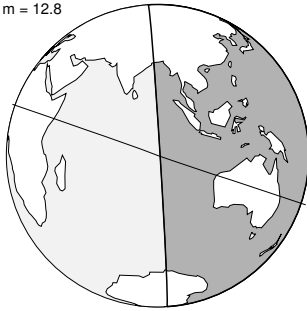
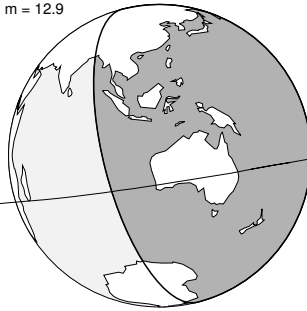
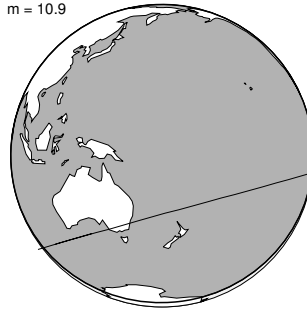
# Occultations by major and minor planets – 2022

# Region 8

<p><b>2022 sep 13 16h 4.7m</b> B22_09004 524613 2003QW113 UCAC4 449-000581 Diam = 144.5 m = 14.8 m = 22.0</p>  <p>Dur = 6.5s Dmag = 7.3 Sun: 164° Moon: 26°</p>	<p><b>2022 sep 14 20h38.1m</b> B22_09002 385695 Clete UCAC4 513-004835 Diam = 91.2 m = 14.0 m = 23.2</p>  <p>Dur = 7.4s Dmag = 9.1 Sun: 125° Moon: 5°</p>	<p><b>2022 sep 17 9h 1.2m</b> A22_09125 882 Swetlana TYC 6273-00031-1 Diam = 48.8 m = 10.4 m = 15.8</p>  <p>Dur = 4.8s Dmag = 5.4 Sun: 99° Moon: 163°</p>	<p><b>2022 sep 17 15h17.7m</b> A22_09048 222 Lucia UCAC4 327-125095 Diam = 58.0 m = 11.3 m = 14.3</p>  <p>Dur = 4.1s Dmag = 3.1 Sun: 98° Moon: 168°</p>
<p><b>2022 sep 19 9h57.1m</b> A22_09077 387 Aquitania PPMX 11662223 Diam = 106.0 m = 12.1 m = 11.4</p>  <p>Dur = 6.2s Dmag = 0.5 Sun: 99° Moon: 171°</p>	<p><b>2022 sep 19 12h 3.8m</b> A22_09049 222 Lucia TYC 6847-00072-1 Diam = 58.0 m = 11.1 m = 14.3</p>  <p>Dur = 3.9s Dmag = 3.3 Sun: 97° Moon: 169°</p>	<p><b>2022 sep 19 17h51.2m</b> A22_09116 772 Tanete UCAC4 586-021400 Diam = 123.0 m = 11.7 m = 14.2</p>  <p>Dur = 7.1s Dmag = 2.6 Sun: 87° Moon: 18°</p>	<p><b>2022 sep 20 9h15.9m</b> A22_09010 29 Amphitrite UCAC4 307-100696 Diam = 219.0 m = 11.1 m = 11.1</p>  <p>Dur = 9.9s Dmag = 0.8 Sun: 79° Moon: 143°</p>
<p><b>2022 sep 20 9h23.6m</b> A22_09096 538 Friederike TYC 6288-01651-1 Diam = 77.8 m = 10.6 m = 14.6</p>  <p>Dur = 7.9s Dmag = 4.0 Sun: 103° Moon: 165°</p>	<p><b>2022 sep 20 11h 7.9m</b> A22_09053 240 Vanadis TYC 6190-01437-1 Diam = 108.0 m = 11.6 m = 15.1</p>  <p>Dur = 3.8s Dmag = 3.6 Sun: 61° Moon: 123°</p>	<p><b>2022 sep 21 7h10.4m</b> A22_09087 480 Hansa UCAC4 503-131374 Diam = 58.0 m = 11.0 m = 13.0</p>  <p>Dur = 6.7s Dmag = 2.1 Sun: 125° Moon: 145°</p>	<p><b>2022 sep 21 9h 9.9m</b> A22_09103 639 Latona UCAC5 348-130999 Diam = 74.5 m = 12.3 m = 13.4</p>  <p>Dur = 5.8s Dmag = 1.4 Sun: 97° Moon: 149°</p>
<p><b>2022 sep 21 11h 6.2m</b> A22_09104 639 Latona TYC 6274-01079-1 Diam = 74.5 m = 13.4 m = 13.4</p>  <p>Dur = 5.8s Dmag = 2.3 Sun: 97° Moon: 148°</p>	<p><b>2022 sep 21 11h34.4m</b> A22_09144 1585 Union TYC 6344-01235-1 Diam = 52.1 m = 11.8 m = 14.9</p>  <p>Dur = 5.1s Dmag = 3.1 Sun: 133° Moon: 172°</p>	<p><b>2022 sep 23 8h 6.1m</b> A22_09064 307 Nike TYC 6880-02029-1 Diam = 58.0 m = 11.4 m = 15.5</p>  <p>Dur = 10.6s Dmag = 4.2 Sun: 109° Moon: 140°</p>	<p><b>2022 sep 23 9h39.6m</b> A22_09026 72 Feronia UCAC4 377-156340 Diam = 89.3 m = 12.3 m = 12.4</p>  <p>Dur = 8.9s Dmag = 0.8 Sun: 110° Moon: 139°</p>

# Occultations by major and minor planets – 2022

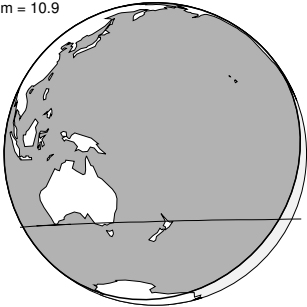
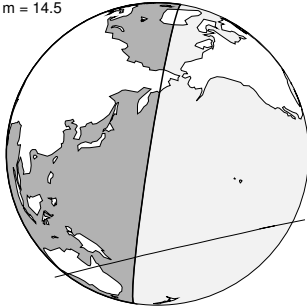
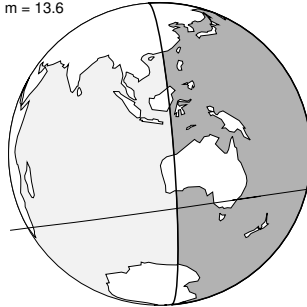
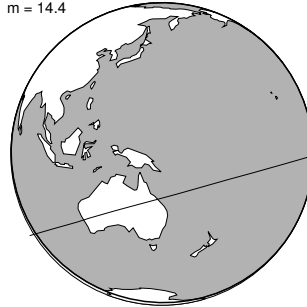
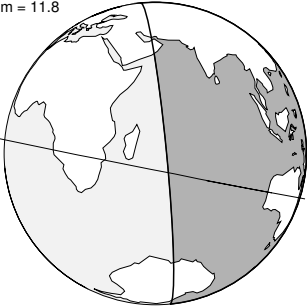
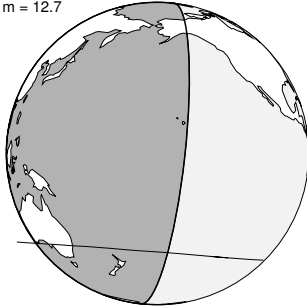
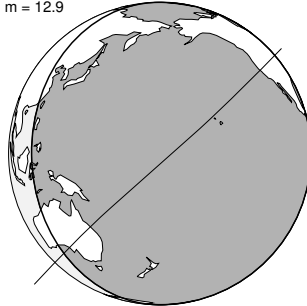
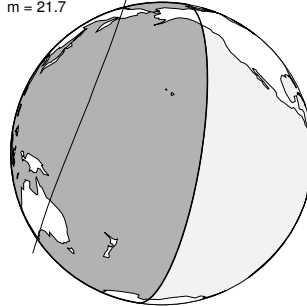
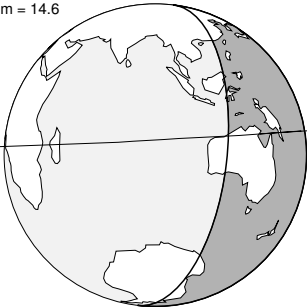
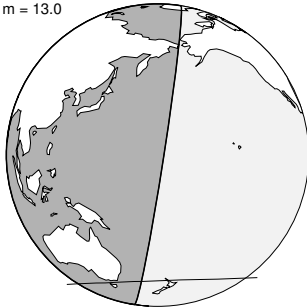
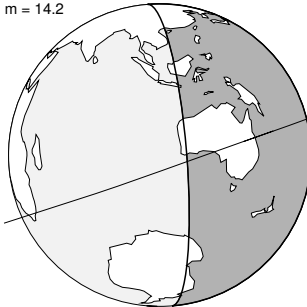
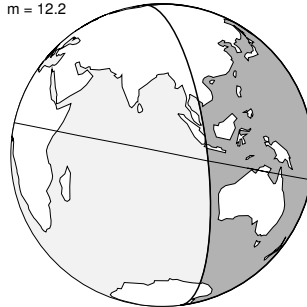
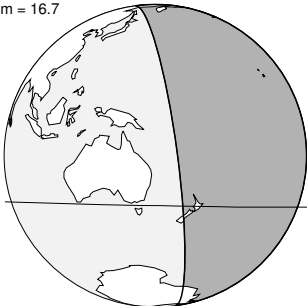
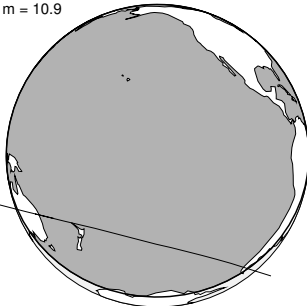
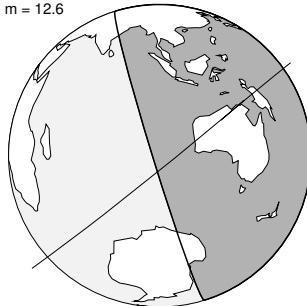
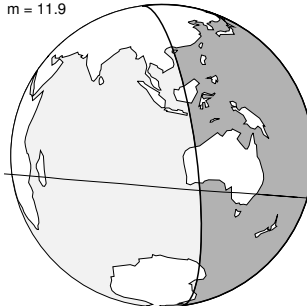
# Region 8

<p><b>2022 sep 23 9h51.9m</b> A22_09027 78 Diana TYC 0578-00861-1 Diam = 116.0 m = 11.5 m = 12.2</p>  <p>Dur = 8.6s Dmag = 1.2 Sun: 169° Moon: 157°</p>	<p><b>2022 sep 23 14h25.2m</b> A22_09038 131 Vala PPMX 6844923 Diam = 43.3 m = 12.3 m = 14.0</p>  <p>Dur = 6.0s Dmag = 2.0 Sun: 144° Moon: 118°</p>	<p><b>2022 sep 24 18h 0.2m</b> A22_09039 131 Vala TYC 0631-00264-1 Diam = 43.3 m = 9.4 m = 14.0</p>  <p>Dur = 5.8s Dmag = 4.6 Sun: 145° Moon: 132°</p>	<p><b>2022 sep 24 21h 6.0m</b> A22_09147 2146 Stentor TYC 5358-00172-1 Diam = 47.9 m = 10.4 m = 17.0</p>  <p>Dur = 3.3s Dmag = 6.7 Sun: 95° Moon: 88°</p>
<p><b>2022 sep 25 8h10.4m</b> A22_09014 60 Echo UCAC4 352-097846 Diam = 61.0 m = 12.2 m = 13.6</p>  <p>Dur = 3.0s Dmag = 1.7 Sun: 80° Moon: 87°</p>	<p><b>2022 sep 27 19h59.0m</b> A22_09166 2003UY473 UCAC4 630-008559 Diam = 302.0 m = 12.1 m = 20.7</p>  <p>Dur = 17.8s Dmag = 8.7 Sun: 132° Moon: 151°</p>	<p><b>2022 sep 29 12h48.4m</b> A22_09102 596 Scheila UCAC4 302-107700 Diam = 117.0 m = 12.1 m = 14.1</p>  <p>Dur = 4.1s Dmag = 2.1 Sun: 71° Moon: 27°</p>	<p><b>2022 sep 29 18h16.3m</b> A22_09136 1021 Flammario TYC 0731-02892-1 Diam = 103.0 m = 10.8 m = 12.9</p>  <p>Dur = 6.0s Dmag = 2.3 Sun: 92° Moon: 137°</p>
<p><b>2022 sep 30 14h40.1m</b> A22_09164 34746 2001QE91 UCAC4 294-194004 Diam = 42.9 m = 11.3 m = 17.6</p>  <p>Dur = 3.4s Dmag = 6.2 Sun: 89° Moon: 32°</p>	<p><b>2022 oct 1 7h49.5m</b> A22_10035 113 Amalthea UCAC4 341-197456 Diam = 47.6 m = 12.0 m = 12.9</p>  <p>Dur = 8.2s Dmag = 1.3 Sun: 114° Moon: 47°</p>	<p><b>2022 oct 1 13h27.1m</b> A22_10036 113 Amalthea TYC 6340-01455-1 Diam = 47.6 m = 10.8 m = 12.9</p>  <p>Dur = 8.1s Dmag = 2.2 Sun: 114° Moon: 43°</p>	<p><b>2022 oct 1 14h 1.2m</b> A22_10115 694 Ekard TYC 5119-00567-1 Diam = 92.7 m = 11.4 m = 12.6</p>  <p>Dur = 5.5s Dmag = 1.6 Sun: 97° Moon: 35°</p>
<p><b>2022 oct 2 10h37.5m</b> A22_10058 241 Germania Gaia 076-0554066 Diam = 169.0 m = 11.1 m = 12.5</p>  <p>Dur = 25.6s Dmag = 1.7 Sun: 111° Moon: 31°</p>	<p><b>2022 oct 2 11h52.0m</b> A22_10046 173 Ino UCAC4 369-134449 Diam = 159.0 m = 11.5 m = 12.8</p>  <p>Dur = 8.7s Dmag = 1.6 Sun: 89° Moon: 12°</p>	<p><b>2022 oct 4 11h40.8m</b> A22_10037 113 Amalthea TYC 6340-00045-1 Diam = 47.6 m = 10.9 m = 12.9</p>  <p>Dur = 6.8s Dmag = 2.2 Sun: 111° Moon: 4°</p>	<p><b>2022 oct 5 12h51.3m</b> A22_10006 23 Thalia TYC 5270-00286-1 Diam = 111.0 m = 11.6 m = 10.9</p>  <p>Dur = 8.4s Dmag = 0.5 Sun: 166° Moon: 52°</p>



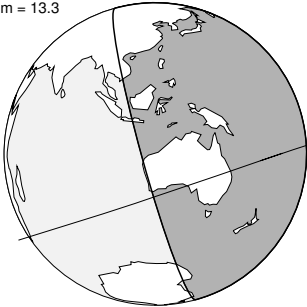
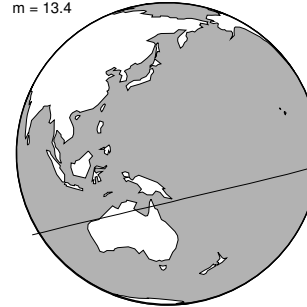
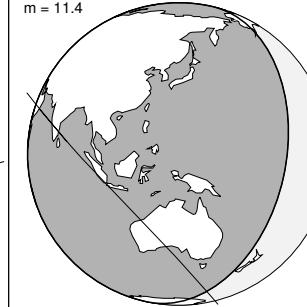
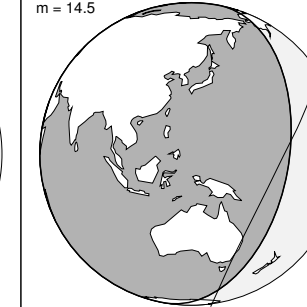
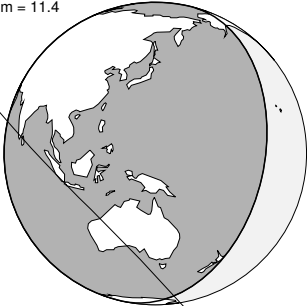
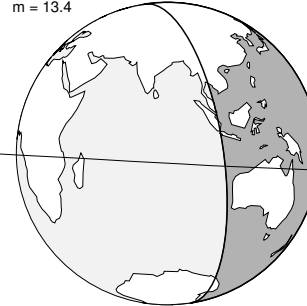
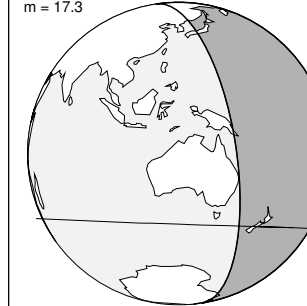
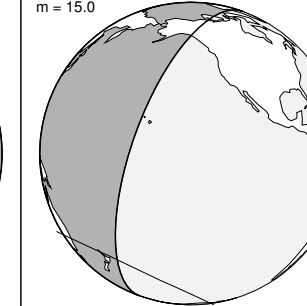
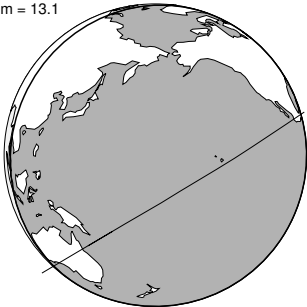
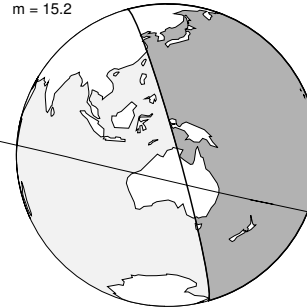
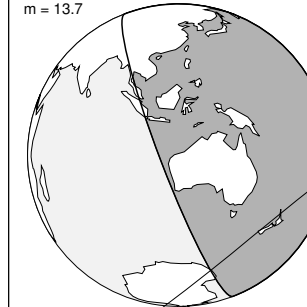
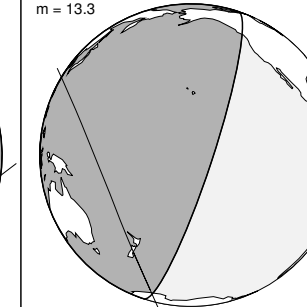
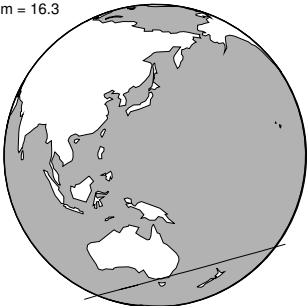

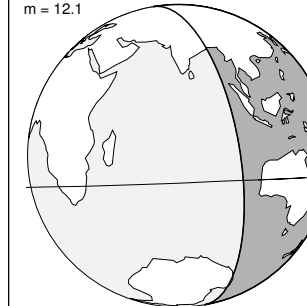
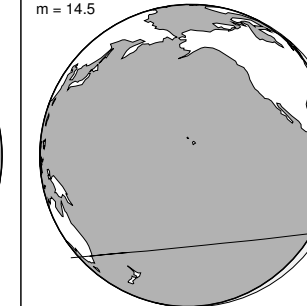
# Occultations by major and minor planets – 2022

# Region 8

<p><b>2022 oct 5 13h34.5m</b> A22_10082 455 Bruchsalia UCAC4 394-002055 Diam = 87.5 m = 11.9</p>  <p>Dur = 14.3s Dmag = 0.4 Sun: 156° Moon: 65°</p>	<p><b>2022 oct 6 19h 4.2m</b> A22_10098 546 Herodias PPMX 4065314 Diam = 69.7 m = 14.5</p>  <p>Dur = 3.3s Dmag = 2.2 Sun: 86° Moon: 133°</p>	<p><b>2022 oct 8 10h 0.6m</b> A22_10108 639 Latona UCAC4 351-150288 Diam = 74.5 m = 12.4 m = 13.6</p>  <p>Dur = 3.8s Dmag = 1.5 Sun: 84° Moon: 77°</p>	<p><b>2022 oct 10 13h26.2m</b> A22_10064 267 Tirza TYC 4676-00796-1 Diam = 53.6 m = 11.0 m = 14.4</p>  <p>Dur = 4.5s Dmag = 3.4 Sun: 168° Moon: 18°</p>
<p><b>2022 oct 10 13h54.3m</b> A22_10075 387 Aquitania UCAC4 332-185800 Diam = 106.0 m = 11.7 m = 11.8</p>  <p>Dur = 4.5s Dmag = 0.8 Sun: 85° Moon: 103°</p>	<p><b>2022 oct 12 16h12.5m</b> A22_10134 1021 Flammario UCAC4 491-028608 Diam = 103.0 m = 11.7 m = 12.7</p>  <p>Dur = 8.3s Dmag = 1.4 Sun: 100° Moon: 48°</p>	<p><b>2022 oct 13 9h40.8m</b> A22_10131 972 Cohnia TYC 1160-00473-1 Diam = 79.0 m = 12.0 m = 12.9</p>  <p>Dur = 15.1s Dmag = 1.3 Sun: 147° Moon: 72°</p>	<p><b>2022 oct 13 15h22.4m</b> A22_10166 2010WN75 TYC 4787-00763-1 Diam = 288.4 m = 10.0 m = 21.7</p>  <p>Dur = 22.7s Dmag = 11.7 Sun: 104° Moon: 40°</p>
<p><b>2022 oct 15 9h50.4m</b> A22_10024 81 Terpsichore UCAC4 299-123864 Diam = 124.0 m = 11.9 m = 14.6</p>  <p>Dur = 4.3s Dmag = 2.8 Sun: 61° Moon: 175°</p>	<p><b>2022 oct 16 18h31.2m</b> A22_10089 505 Cava TYC 1368-01465-1 Diam = 79.1 m = 11.1 m = 13.0</p>  <p>Dur = 4.4s Dmag = 2.1 Sun: 92° Moon: 10°</p>	<p><b>2022 oct 18 10h17.3m</b> A22_10090 508 Princetonia TYC 7418-00987-1 Diam = 147.0 m = 12.0 m = 14.2</p>  <p>Dur = 6.6s Dmag = 2.3 Sun: 79° Moon: 160°</p>	<p><b>2022 oct 18 10h44.0m</b> A22_10013 41 Daphne UCAC4 398-082606 Diam = 182.0 m = 12.3 m = 12.2</p>  <p>Dur = 5.9s Dmag = 0.7 Sun: 72° Moon: 149°</p>
<p><b>2022 oct 19 7h 3.8m</b> A22_10163 7352 1994CO TYC 6308-01141-1 Diam = 66.1 m = 11.5 m = 16.7</p>  <p>Dur = 3.6s Dmag = 5.2 Sun: 81° Moon: 153°</p>	<p><b>2022 oct 19 9h22.0m</b> A22_10083 455 Bruchsalia TYC 5277-01564-1 Diam = 87.5 m = 11.4 m = 10.9</p>  <p>Dur = 12.3s Dmag = 0.5 Sun: 159° Moon: 116°</p>	<p><b>2022 oct 24 11h56.7m</b> A22_10105 599 Luisa TYC 7963-00012-1 Diam = 69.6 m = 10.0 m = 12.6</p>  <p>Dur = 3.3s Dmag = 2.6 Sun: 92° Moon: 105°</p>	<p><b>2022 oct 25 10h 9.5m</b> A22_10076 387 Aquitania UCAC5 328-174692 Diam = 106.0 m = 12.4 m = 11.9</p>  <p>Dur = 3.8s Dmag = 0.6 Sun: 76° Moon: 77°</p>

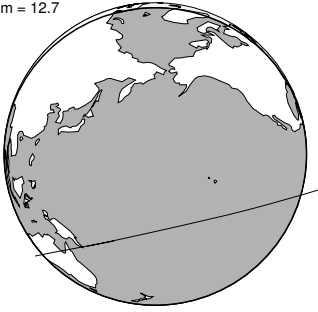
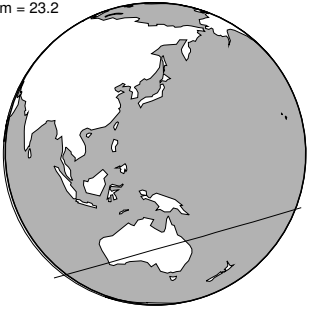
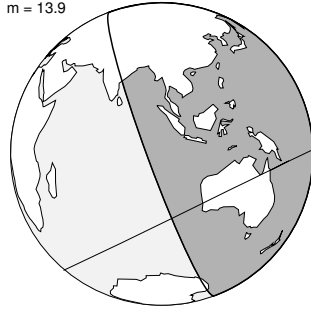
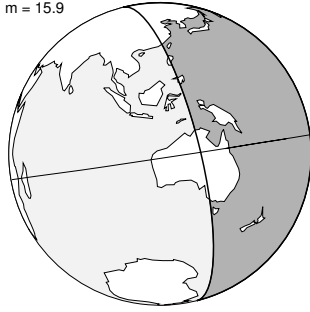

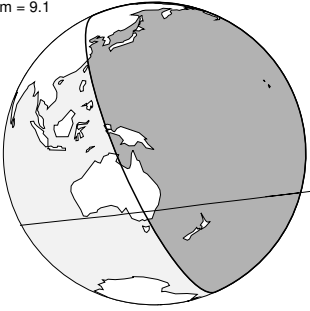
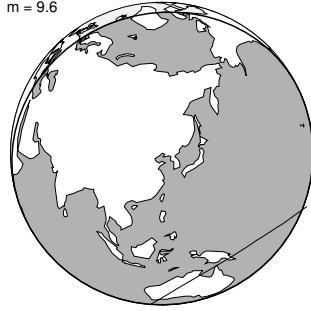
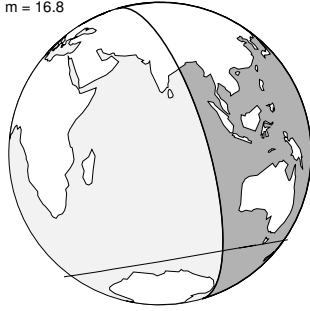
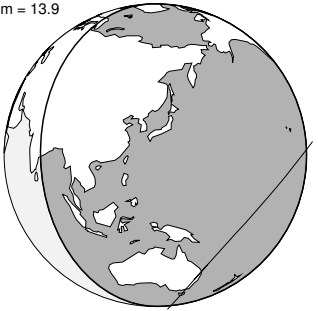
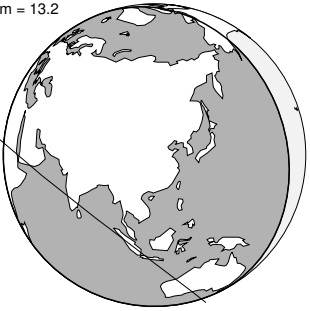
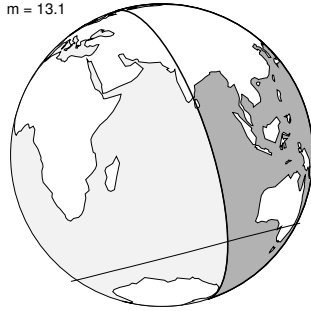
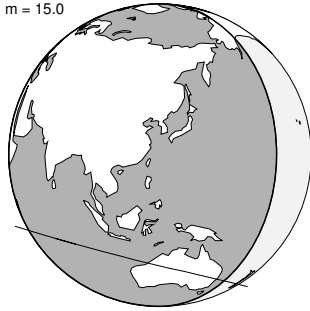
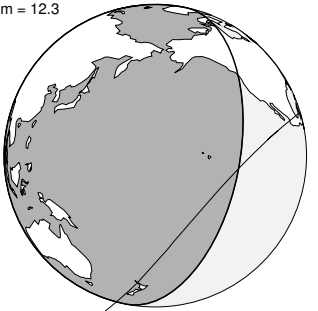
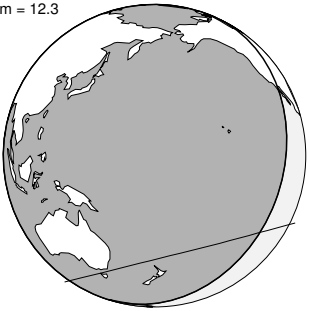
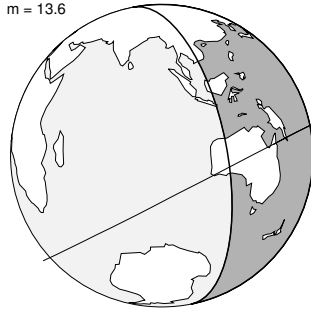
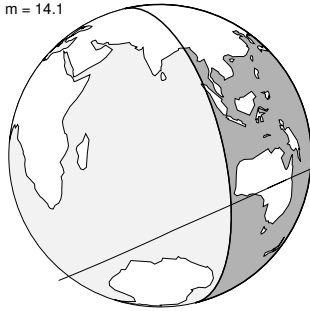
# Occultations by major and minor planets – 2022

# Region 8

<p><b>2022 oct 26 10h30.8m</b> A22_10028 90 Antiope UCAC4 347-186402 Diam = 125.0 m = 12.5 m = 13.3</p>  <p>Dur = 7.6s Dmag = 1.2 Sun: 95° Moon: 83°</p>	<p><b>2022 oct 26 13h38.3m</b> A22_10041 131 Vala TYC 0036-00536-1 Diam = 43.3 m = 9.5 m = 13.4</p>  <p>Dur = 3.6s Dmag = 3.9 Sun: 173° Moon: 161°</p>	<p><b>2022 oct 27 17h46.6m</b> A22_10043 164 Eva UCAC4 480-009683 Diam = 110.0 m = 12.3 m = 11.4</p>  <p>Dur = 14.5s Dmag = 0.4 Sun: 135° Moon: 158°</p>	<p><b>2022 oct 27 18h22.0m</b> A22_10146 1469 Linzia UCAC4 489-011491 Diam = 60.2 m = 12.1 m = 14.5</p>  <p>Dur = 7.9s Dmag = 2.6 Sun: 130° Moon: 155°</p>
<p><b>2022 oct 28 17h 7.8m</b> A22_10044 164 Eva TYC 0110-00157-1 Diam = 110.0 m = 10.4 m = 11.4</p>  <p>Dur = 13.9s Dmag = 1.4 Sun: 136° Moon: 160°</p>	<p><b>2022 oct 29 10h46.8m</b> A22_10017 69 Hesperia TYC 6282-00519-1 Diam = 143.0 m = 11.3 m = 13.4</p>  <p>Dur = 5.5s Dmag = 2.2 Sun: 68° Moon: 19°</p>	<p><b>2022 nov 2 7h59.6m</b> A22_11129 1345 Potomac TYC 6304-01038-1 Diam = 79.3 m = 10.9 m = 17.3</p>  <p>Dur = 3.3s Dmag = 6.3 Sun: 67° Moon: 37°</p>	<p><b>2022 nov 2 16h43.8m</b> A22_11080 514 Armida TYC 0837-01157-1 Diam = 110.0 m = 10.5 m = 15.0</p>  <p>Dur = 4.0s Dmag = 4.6 Sun: 67° Moon: 171°</p>
<p><b>2022 nov 5 10h48.6m</b> A22_11083 543 Charlotte TYC 1749-00206-1 Diam = 44.2 m = 10.1 m = 13.1</p>  <p>Dur = 4.6s Dmag = 3.0 Sun: 161° Moon: 29°</p>	<p><b>2022 nov 6 8h59.2m</b> A22_11099 667 Denise TYC 5768-01712-1 Diam = 83.5 m = 9.6 m = 15.2</p>  <p>Dur = 4.9s Dmag = 5.6 Sun: 85° Moon: 69°</p>	<p><b>2022 nov 8 10h51.6m</b> A22_11029 118 Peitho TYC 6375-00847-1 Diam = 45.7 m = 9.6 m = 13.7</p>  <p>Dur = 3.4s Dmag = 4.1 Sun: 97° Moon: 83°</p>	<p><b>2022 nov 10 15h29.6m</b> A22_11008 25 Phocaea UCAC4 427-044863 Diam = 78.0 m = 12.4 m = 13.3</p>  <p>Dur = 5.5s Dmag = 1.3 Sun: 98° Moon: 60°</p>
<p><b>2022 nov 11 14h37.4m</b> A22_11146 2932 Kempchinsky UCAC5 531-006121 Diam = 48.7 m = 12.5 m = 16.3</p>  <p>Dur = 3.7s Dmag = 3.9 Sun: 173° Moon: 31°</p>	<p><b>2022 nov 12 18h26.8m</b> A22_11149 3793 Leonteus UCAC4 463-009531 Diam = 72.4 m = 12.2 m = 15.7</p>  <p>Dur = 4.9s Dmag = 3.5 Sun: 145° Moon: 32°</p>	<p><b>2022 nov 13 11h26.3m</b> A22_11071 387 Aquitania UCAC5 327-175081 Diam = 106.0 m = 12.4 m = 12.1</p>  <p>Dur = 3.2s Dmag = 0.6 Sun: 66° Moon: 170°</p>	<p><b>2022 nov 13 11h29.3m</b> A22_11093 638 Moira TYC 0681-00166-1 Diam = 68.0 m = 9.3 m = 14.5</p>  <p>Dur = 5.0s Dmag = 5.2 Sun: 160° Moon: 40°</p>

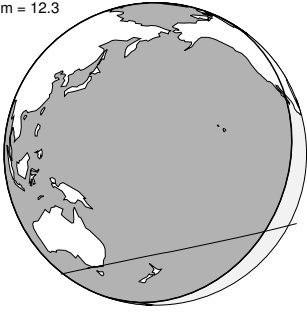
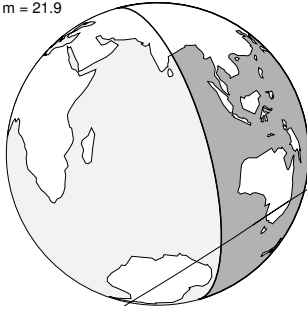
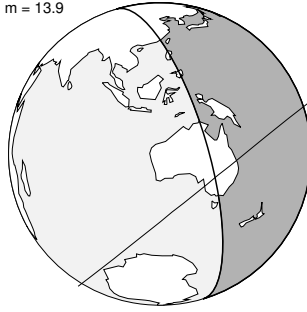
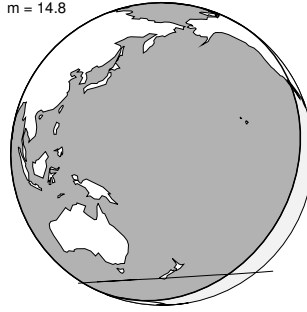
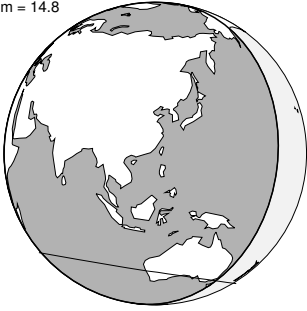
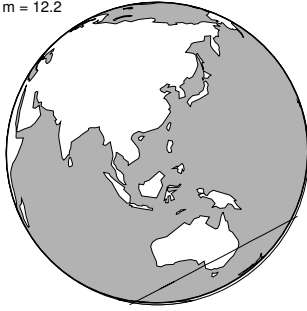
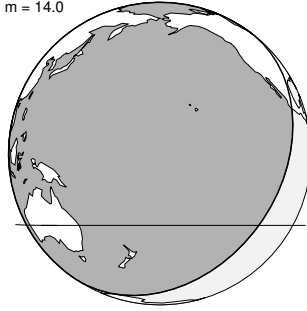
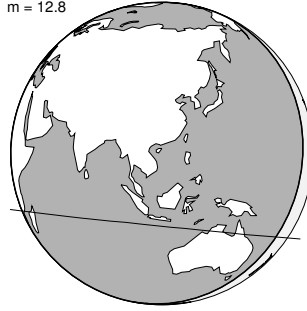
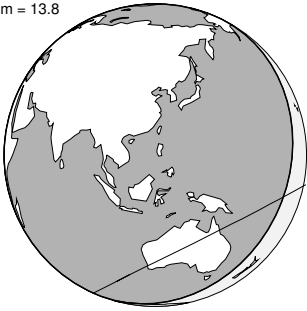
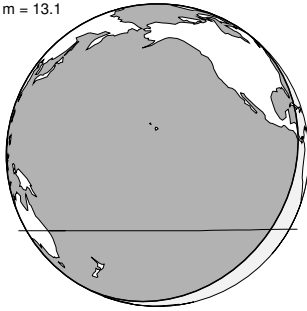
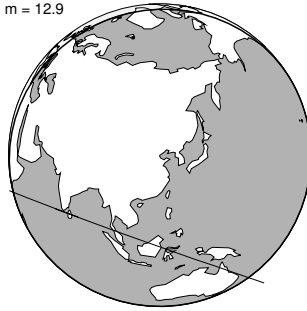
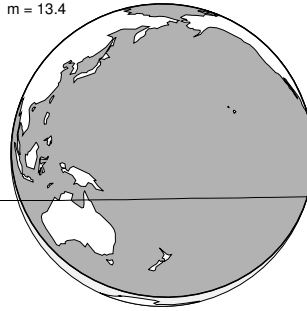
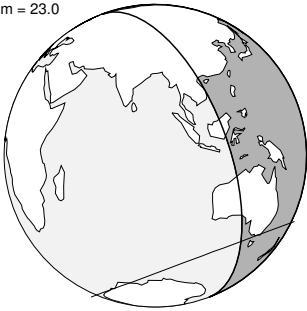
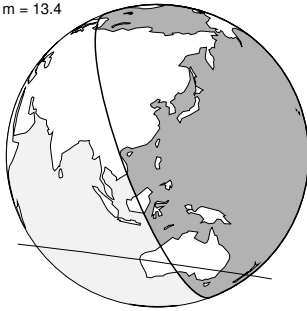
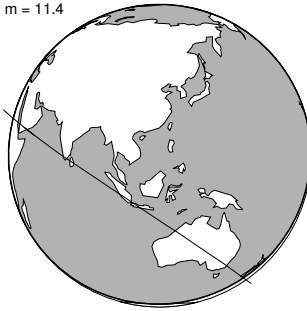
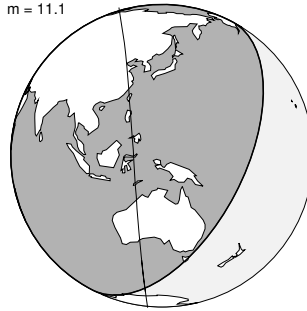
# Occultations by major and minor planets – 2022

# Region 8

<p><b>2022 nov 13 11h45.6m</b> A22_11081 524 Fidelio TYC 2344-01823-1 Diam = 74.0 m = 10.9 m = 12.7</p>  <p>Dur = 8.0s Dmag = 2.0 Sun: 165° Moon: 53°</p>	<p><b>2022 nov 13 13h57.7m</b> A22_11157 2015SV20 UCAC4 517-004098 Diam = 91.2 m = 12.3 m = 23.2</p>  <p>Dur = 3.8s Dmag = 10.9 Sun: 169° Moon: 68°</p>	<p><b>2022 nov 14 11h57.6m</b> A22_11013 66 Maja TYC 5808-00524-1 Diam = 78.3 m = 11.8 m = 13.9</p>  <p>Dur = 5.3s Dmag = 2.3 Sun: 95° Moon: 152°</p>	<p><b>2022 nov 15 9h17.9m</b> A22_11119 928 Hildrun UCAC4 339-194151 Diam = 69.7 m = 15.9</p>  <p>Dur = 3.2s Dmag = 3.7 Sun: 74° Moon: 177°</p>
<p><b>2022 nov 16 15h41.2m</b> B22_11005 531682 2012UB178 UCAC4 516-007707 Diam = 263.0 m = 12.8 m = 22.8</p>  <p>Dur = 10.3s Dmag = 9.9 Sun: 165° Moon: 80°</p>	<p><b>2022 nov 19 8h59.1m</b> A22_11004 3 Juno TYC 5816-00412-1 Diam = 257.6 m = 11.9 m = 9.1</p>  <p>Dur = 23.4s Dmag = 0.1 Sun: 103° Moon: 162°</p>	<p><b>2022 nov 19 15h 9.2m</b> A22_11026 115 Thyra TYC 2851-01077-1 Diam = 83.5 m = 10.6 m = 9.6</p>  <p>Dur = 11.9s Dmag = 0.4 Sun: 157° Moon: 122°</p>	<p><b>2022 nov 21 11h40.0m</b> A22_11140 2207 Antenor UCAC4 372-175323 Diam = 92.6 m = 12.0 m = 16.8</p>  <p>Dur = 4.1s Dmag = 4.8 Sun: 71° Moon: 103°</p>
<p><b>2022 nov 23 11h57.1m</b> A22_11128 1113 Katja TYC 1743-00392-1 Diam = 44.7 m = 11.4 m = 13.9</p>  <p>Dur = 6.5s Dmag = 2.6 Sun: 139° Moon: 145°</p>	<p><b>2022 nov 23 18h18.7m</b> A22_11110 772 Tanete UCAC4 629-028014 Diam = 123.0 m = 12.2 m = 13.2</p>  <p>Dur = 7.7s Dmag = 1.3 Sun: 150° Moon: 148°</p>	<p><b>2022 nov 24 12h14.0m</b> A22_11048 241 Germania TYC 5765-00959-1 Diam = 169.0 m = 12.2 m = 13.1</p>  <p>Dur = 6.1s Dmag = 1.3 Sun: 70° Moon: 64°</p>	<p><b>2022 nov 24 18h14.7m</b> A22_11089 615 Roswitha PPMX 5053050 Diam = 49.5 m = 12.5 m = 15.0</p>  <p>Dur = 6.6s Dmag = 2.7 Sun: 140° Moon: 152°</p>
<p><b>2022 nov 25 15h40.7m</b> A22_11077 505 Cava UCAC4 559-044598 Diam = 79.1 m = 11.9 m = 12.3</p>  <p>Dur = 15.8s Dmag = 0.9 Sun: 123° Moon: 147°</p>	<p><b>2022 nov 26 14h21.0m</b> A22_11045 236 Honoria TYC 0738-00382-1 Diam = 90.5 m = 10.5 m = 12.3</p>  <p>Dur = 9.9s Dmag = 2.0 Sun: 148° Moon: 163°</p>	<p><b>2022 nov 28 10h24.9m</b> A22_11101 674 Rachele UCAC4 302-271490 Diam = 101.0 m = 11.9 m = 13.6</p>  <p>Dur = 3.6s Dmag = 1.9 Sun: 64° Moon: 8°</p>	<p><b>2022 nov 28 11h14.9m</b> A22_11032 127 Johanna TYC 6923-01445-1 Diam = 91.2 m = 10.4 m = 14.1</p>  <p>Dur = 3.1s Dmag = 3.7 Sun: 65° Moon: 3°</p>

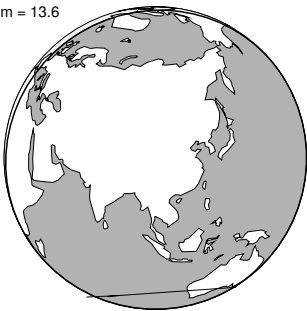
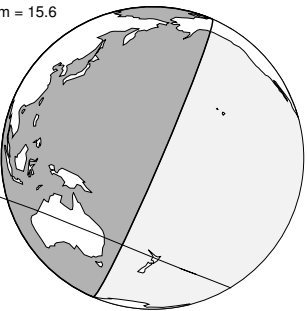
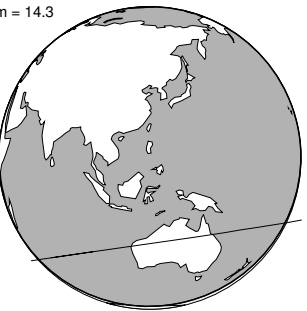
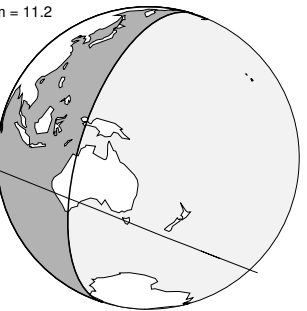
# Occultations by major and minor planets – 2022

# Region 8

<p><b>2022 nov 29 13h56.7m</b> A22_11046 236 Honoria TYC 0738–00420–1 Diam = 90.5 m = 11.8 m = 12.3</p>  <p>Dur = 9.2s Dmag = 1.0 Sun: 151° Moon: 127°</p>	<p><b>2022 dec 1 11h56.0m</b> B22_12012 2013MA12 UCAC4 326–205839 Diam = 346.7 m = 13.6 m = 21.9</p>  <p>Dur = 22.8s Dmag = 8.2 Sun: 70° Moon: 32°</p>	<p><b>2022 dec 4 9h16.2m</b> A22_12076 595 Polixena UCAC4 327–198348 Diam = 114.0 m = 12.2 m = 13.9</p>  <p>Dur = 4.1s Dmag = 1.9 Sun: 71° Moon: 66°</p>	<p><b>2022 dec 4 14h21.3m</b> A22_12031 217 Eudora TYC 0732–03197–1 Diam = 45.7 m = 10.6 m = 14.8</p>  <p>Dur = 3.3s Dmag = 4.2 Sun: 152° Moon: 66°</p>
<p><b>2022 dec 4 18h32.5m</b> A22_12063 468 Lina PPMX 5079503 Diam = 71.7 m = 12.3 m = 14.8</p>  <p>Dur = 7.8s Dmag = 2.6 Sun: 144° Moon: 75°</p>	<p><b>2022 dec 5 16h34.4m</b> A22_12092 714 Ulula UCAC5 518–011003 Diam = 41.0 m = 12.4 m = 12.2</p>  <p>Dur = 3.4s Dmag = 0.7 Sun: 168° Moon: 35°</p>	<p><b>2022 dec 7 13h17.1m</b> A22_12042 286 Iclea TYC 0153–00914–1 Diam = 96.5 m = 10.3 m = 14.0</p>  <p>Dur = 9.4s Dmag = 3.8 Sun: 143° Moon: 43°</p>	<p><b>2022 dec 8 18h 0.5m</b> A22_12013 100 Hekate UCAC5 541–027796 Diam = 92.0 m = 12.4 m = 12.8</p>  <p>Dur = 6.8s Dmag = 1.0 Sun: 157° Moon: 17°</p>
<p><b>2022 dec 14 17h45.5m</b> A22_12129 1197 Rhodesia UCAC4 522–038493 Diam = 49.0 m = 12.5 m = 13.8</p>  <p>Dur = 5.0s Dmag = 1.6 Sun: 152° Moon: 47°</p>	<p><b>2022 dec 16 11h50.5m</b> A22_12066 490 Veritas UCAC4 498–040685 Diam = 121.0 m = 12.5 m = 13.1</p>  <p>Dur = 10.6s Dmag = 1.1 Sun: 153° Moon: 69°</p>	<p><b>2022 dec 19 15h40.8m</b> A22_12094 772 Tanete Gaia 129–0086730 Diam = 123.0 m = 8.7 m = 12.9</p>  <p>Dur = 7.2s Dmag = 4.2 Sun: 163° Moon: 132°</p>	<p><b>2022 dec 20 12h 2.3m</b> A22_12097 788 Hohensteina TYC 0118–02140–1 Diam = 109.0 m = 9.3 m = 13.4</p>  <p>Dur = 7.3s Dmag = 4.1 Sun: 159° Moon: 140°</p>
<p><b>2022 dec 22 10h16.3m</b> B22_12005 385527 2004OK14 UCAC4 395–129583 Diam = 131.8 m = 12.8 m = 23.0</p>  <p>Dur = 6.5s Dmag = 10.2 Sun: 61° Moon: 75°</p>	<p><b>2022 dec 22 10h21.9m</b> A22_12088 695 Bella UCAC4 544–000955 Diam = 51.2 m = 12.1 m = 13.4</p>  <p>Dur = 3.4s Dmag = 1.6 Sun: 103° Moon: 118°</p>	<p><b>2022 dec 23 16h32.7m</b> A22_12121 1021 Flammario TYC 0740–00480–1 Diam = 103.0 m = 10.7 m = 11.4</p>  <p>Dur = 9.7s Dmag = 1.2 Sun: 168° Moon: 165°</p>	<p><b>2022 dec 23 18h36.6m</b> A22_12083 654 Zelinda TYC 0236–00952–1 Diam = 132.0 m = 12.1 m = 11.1</p>  <p>Dur = 11.8s Dmag = 0.3 Sun: 123° Moon: 127°</p>

# Occultations by major and minor planets – 2022

# Region 8

<p><b>2022 dec 25 16h42.9m</b> A22_12047            312 Pierretta HIP 26554            Diam = 51.0 m = 12.0            m = 13.6</p>  <p>Dur = 3.4s Dmag = 1.8            Sun: 164° Moon: 140°</p>	<p><b>2022 dec 26 18h13.4m</b> A22_12052            331 Etheridgea TYC 0284-00017-1            Diam = 78.5 m = 11.2            m = 15.6</p>  <p>Dur = 6.1s Dmag = 4.4            Sun: 93° Moon: 140°</p>	<p><b>2022 dec 29 16h 7.7m</b> A22_12133            1243 Pamela UCAC5 511-027239            Diam = 75.5 m = 12.4            m = 14.3</p>  <p>Dur = 5.1s Dmag = 2.1            Sun: 168° Moon: 97°</p>	<p><b>2022 dec 30 21h 3.4m</b> A22_12004            7 Iris TYC 6142-00924-1            Diam = 329.6 m = 10.4            m = 11.2</p>  <p>Dur = 11.7s Dmag = 1.3            Sun: 62° Moon: 161°</p>
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