

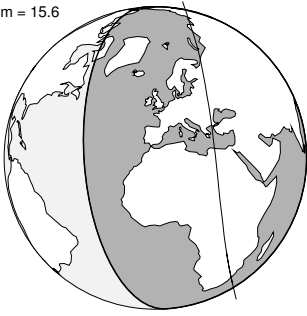
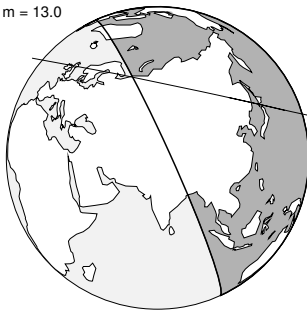
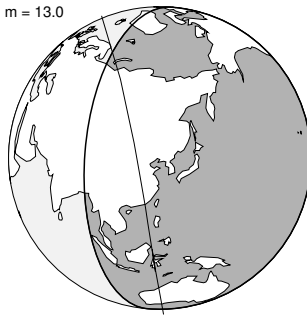
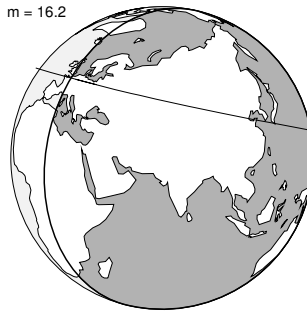
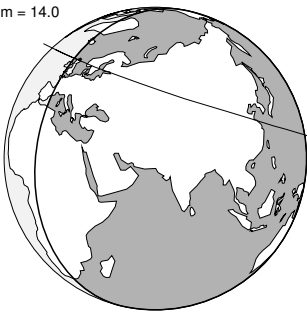
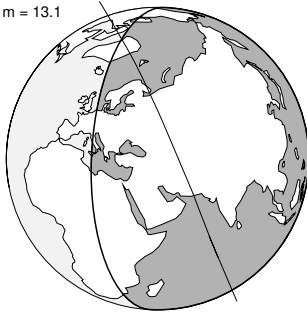
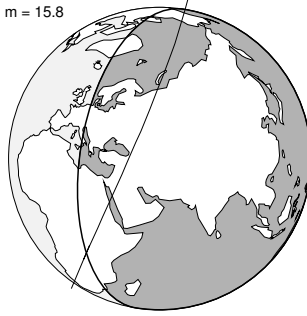

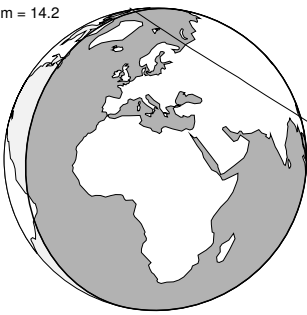
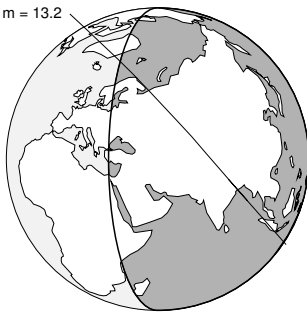
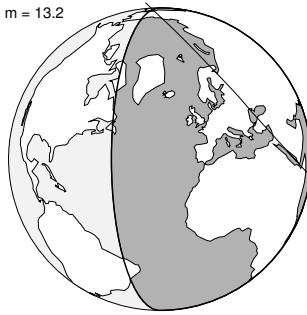
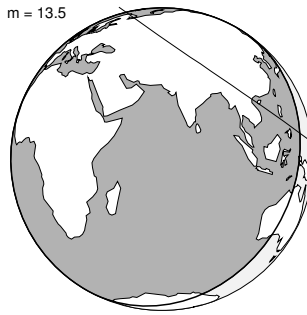
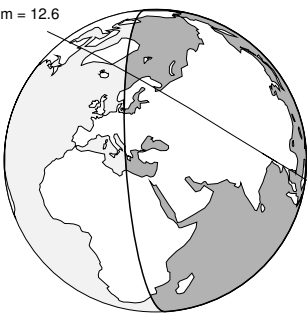
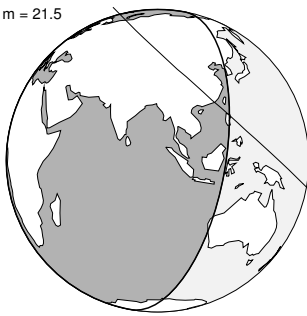
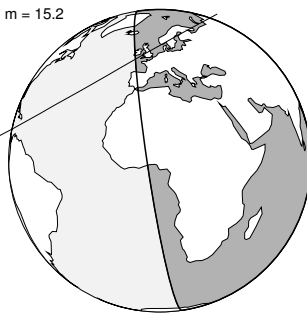
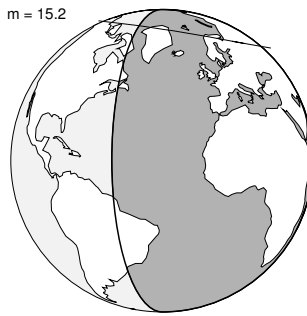
Occultations by major and minor planets – 2023

Region 5

<p>2023 jan 1 22h46.3m A23_01070 388 Charybdis PPMX 4874957 Diam = 120.0 m = 12.5 m = 13.6</p> <p>Dur = 23.2s Dmag = 1.5 Sun: 134° Moon: 13°</p>	<p>2023 jan 3 22h 6.1m B23_01003 523601 2003UY413 UCAC4 599-004486 Diam = 331.1 m = 14.3 m = 21.9</p> <p>Dur = 32.5s Dmag = 7.7 Sun: 111° Moon: 37°</p>	<p>2023 jan 4 0h32.7m A23_01141 1687 Glarona UCAC4 564-040404 Diam = 42.6 m = 11.6 m = 14.2</p> <p>Dur = 3.7s Dmag = 2.7 Sun: 170° Moon: 42°</p>	<p>2023 jan 4 22h 5.9m A23_01037 100 Hekate UCAC4 544-023043 Diam = 92.0 m = 11.7 m = 12.7</p> <p>Dur = 6.2s Dmag = 1.4 Sun: 167° Moon: 13°</p>
<p>2023 jan 5 1h44.3m A23_01131 1197 Rhodesia UCAC4 513-034067 Diam = 49.0 m = 12.3 m = 13.3</p> <p>Dur = 4.2s Dmag = 1.3 Sun: 169° Moon: 24°</p>	<p>2023 jan 6 14h57.0m A23_01144 1868 Thersites UCAC4 475-007415 Diam = 57.5 m = 12.3 m = 16.5</p> <p>Dur = 5.0s Dmag = 4.2 Sun: 140° Moon: 38°</p>	<p>2023 jan 8 19h43.2m A23_01071 392 Wilhelmina TYC 4832-01100-1 Diam = 64.6 m = 12.2 m = 14.0</p> <p>Dur = 5.2s Dmag = 1.9 Sun: 155° Moon: 28°</p>	<p>2023 jan 9 12h16.4m A23_01066 324 Bambergia TYC 2348-01503-1 Diam = 227.6 m = 12.1 m = 10.2</p> <p>Dur = 29.1s Dmag = 0.2 Sun: 124° Moon: 80°</p>
<p>2023 jan 12 0h35.5m A23_01108 784 Pickeringia TYC 1972-00501-1 Diam = 90.0 m = 12.4 m = 14.2</p> <p>Dur = 10.2s Dmag = 2.0 Sun: 141° Moon: 21°</p>	<p>2023 jan 12 2h31.9m A23_01138 1437 Diomedes UCAC4 616-041440 Diam = 171.0 m = 11.8 m = 15.1</p> <p>Dur = 9.5s Dmag = 3.3 Sun: 168° Moon: 57°</p>	<p>2023 jan 13 18h14.9m A23_01093 505 Cava TYC 1924-00126-1 Diam = 79.1 m = 10.2 m = 11.0</p> <p>Dur = 8.6s Dmag = 1.3 Sun: 173° Moon: 74°</p>	<p>2023 jan 18 22h37.9m A23_01107 764 Gedania TYC 0775-00375-1 Diam = 60.5 m = 10.2 m = 13.8</p> <p>Dur = 4.8s Dmag = 3.6 Sun: 167° Moon: 146°</p>
<p>2023 jan 19 2h 1.0m A23_01122 1000 Piazzia PPMX 3052222 Diam = 54.0 m = 12.5 m = 15.5</p> <p>Dur = 3.5s Dmag = 3.1 Sun: 143° Moon: 161°</p>	<p>2023 jan 22 16h42.2m A23_01062 224 Oceana UCAC4 608-027143 Diam = 79.8 m = 12.1 m = 12.9</p> <p>Dur = 9.2s Dmag = 1.2 Sun: 146° Moon: 135°</p>	<p>2023 jan 22 17h52.4m A23_01091 490 Veritas Gaia 101-0047758 Diam = 121.0 m = 11.8 m = 13.1</p> <p>Dur = 10.2s Dmag = 1.6 Sun: 154° Moon: 142°</p>	<p>2023 jan 23 19h27.2m A23_01087 484 Pittsburghia UCAC4 541-044918 Diam = 44.5 m = 12.1 m = 13.6</p> <p>Dur = 3.2s Dmag = 1.8 Sun: 176° Moon: 148°</p>

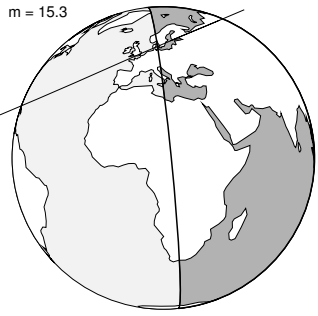
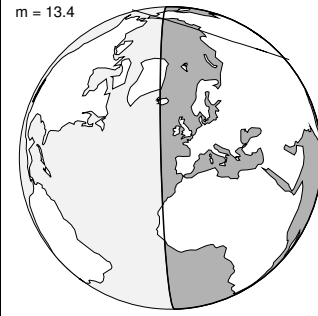
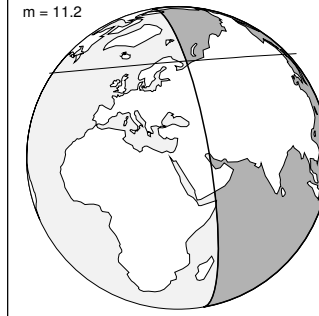
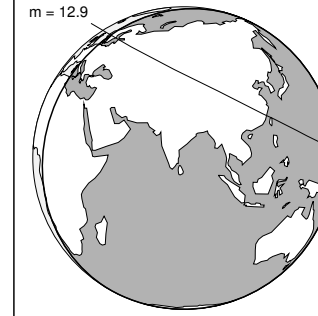
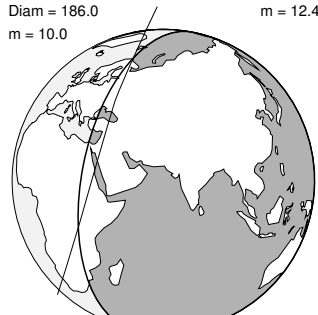
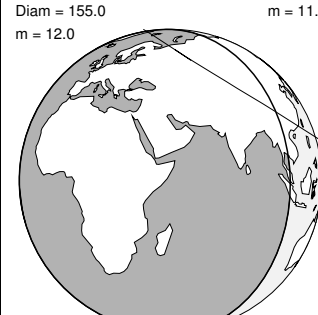
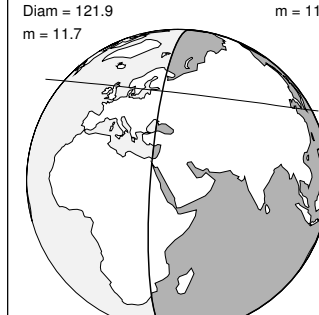
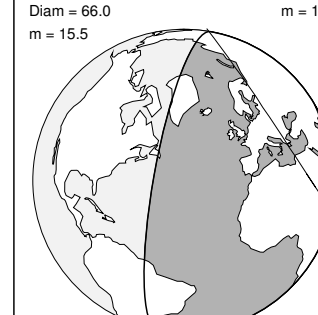
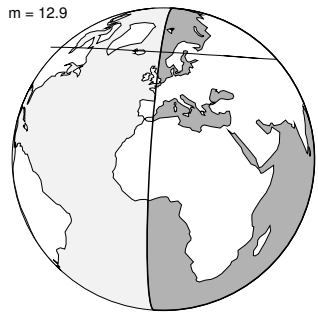
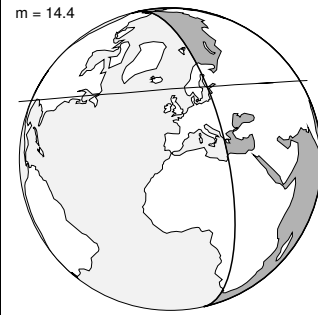
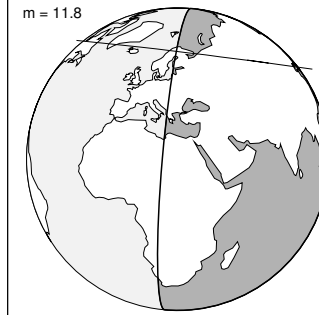
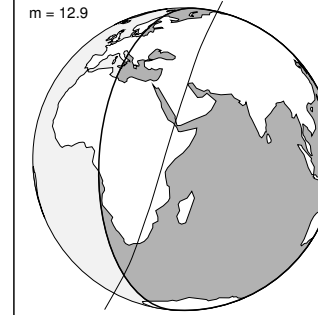

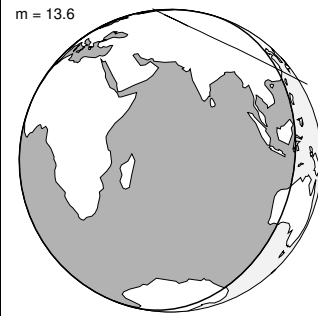
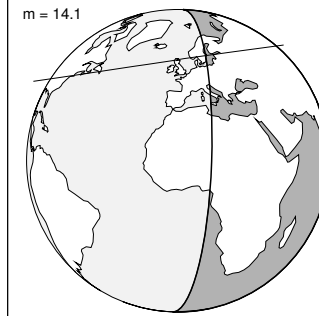
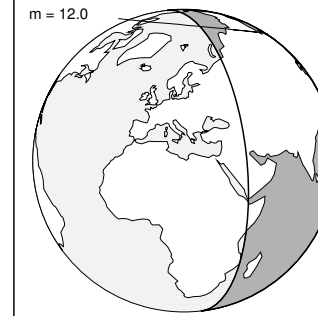
Occultations by major and minor planets – 2023

Region 5

<p>2023 jan 30 19h58.7m A23_01097 588 Achilles PPMX 3932611 Diam = 147.0 m = 12.5 m = 15.6</p>  <p>Dur = 26.7s Dmag = 3.2 Sun: 118° Moon: 8°</p>	<p>2023 feb 4 11h56.0m A23_02020 71 Niobe TYC 2319-00803-1 Diam = 87.3 m = 9.8 m = 13.0</p>  <p>Dur = 4.3s Dmag = 3.3 Sun: 85° Moon: 80°</p>	<p>2023 feb 5 11h47.9m A23_02033 117 Lomia UCAC4 656-027192 Diam = 154.0 m = 12.4 m = 13.0</p>  <p>Dur = 19.9s Dmag = 1.1 Sun: 119° Moon: 56°</p>	<p>2023 feb 6 16h50.8m A23_02118 1357 Khama UCAC4 607-033541 Diam = 45.1 m = 11.1 m = 16.2</p>  <p>Dur = 6.0s Dmag = 5.1 Sun: 139° Moon: 49°</p>
<p>2023 feb 6 17h13.0m A23_02092 629 Bernardina UCAC4 596-036060 Diam = 43.7 m = 12.2 m = 14.0</p>  <p>Dur = 8.1s Dmag = 2.0 Sun: 141° Moon: 48°</p>	<p>2023 feb 9 16h30.1m A23_02034 117 Lomia TYC 2898-02805-1 Diam = 154.0 m = 10.9 m = 13.1</p>  <p>Dur = 18.6s Dmag = 2.3 Sun: 115° Moon: 104°</p>	<p>2023 feb 10 16h23.2m A23_02110 1000 Piazzia UCAC5 657-034605 Diam = 54.0 m = 12.4 m = 15.8</p>  <p>Dur = 4.9s Dmag = 3.4 Sun: 121° Moon: 109°</p>	<p>2023 feb 14 22h26.3m A23_02123 1877 Marsden UCAC4 660-027321 Diam = 50.3 m = 11.9 m = 17.8</p>  <p>Dur = 5.6s Dmag = 6.0 Sun: 109° Moon: 163°</p>
<p>2023 feb 15 20h57.7m A23_02081 484 Pittsburghia TYC 1370-01197-1 Diam = 44.5 m = 11.0 m = 14.2</p>  <p>Dur = 4.4s Dmag = 3.2 Sun: 148° Moon: 149°</p>	<p>2023 feb 17 15h39.5m A23_02035 117 Lomia TYC 2899-01763-1 Diam = 154.0 m = 10.8 m = 13.2</p>  <p>Dur = 15.2s Dmag = 2.6 Sun: 108° Moon: 146°</p>	<p>2023 feb 17 21h 1.4m A23_02036 117 Lomia UCAC5 649-023396 Diam = 154.0 m = 12.4 m = 13.2</p>  <p>Dur = 15.2s Dmag = 1.2 Sun: 108° Moon: 143°</p>	<p>2023 feb 22 21h23.6m A23_02098 737 Arequipa HIP 58491 Diam = 46.3 m = 7.9 m = 13.5</p>  <p>Dur = 4.0s Dmag = 5.6 Sun: 151° Moon: 170°</p>
<p>2023 feb 23 16h20.9m A23_02075 385 Ilmatar UCAC5 637-018781 Diam = 94.1 m = 12.3 m = 12.6</p>  <p>Dur = 7.7s Dmag = 0.9 Sun: 101° Moon: 57°</p>	<p>2023 feb 24 22h16.9m B23_02003 495613 2015FG345 UCAC4 453-057055 Diam = 354.8 m = 13.7 m = 21.5</p>  <p>Dur = 33.4s Dmag = 7.8 Sun: 116° Moon: 164°</p>	<p>2023 feb 25 18h 4.2m A23_02119 1469 Linzia TYC 0683-00789-1 Diam = 60.2 m = 9.1 m = 15.2</p>  <p>Dur = 4.1s Dmag = 6.1 Sun: 94° Moon: 28°</p>	<p>2023 mar 3 21h39.7m A23_03128 552 Sigelinde TYC 1322-00228-1 Diam = 81.0 m = 10.8 m = 15.2</p>  <p>Dur = 18.9s Dmag = 4.5 Sun: 109° Moon: 32°</p>

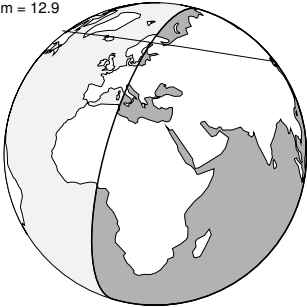
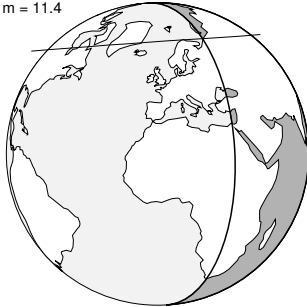
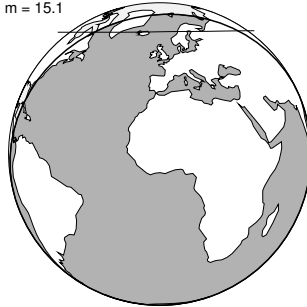
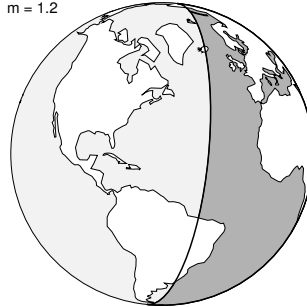
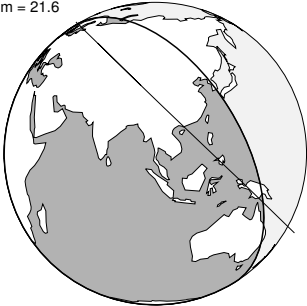
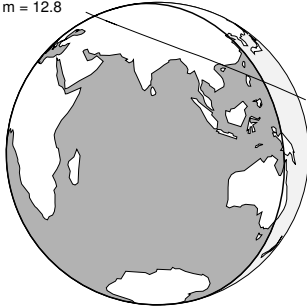
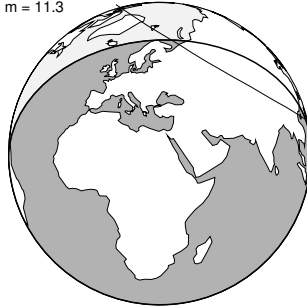
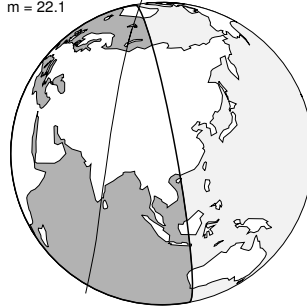
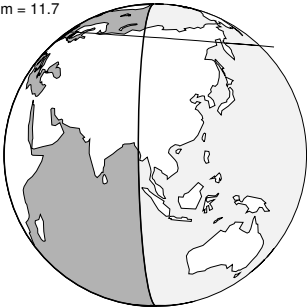
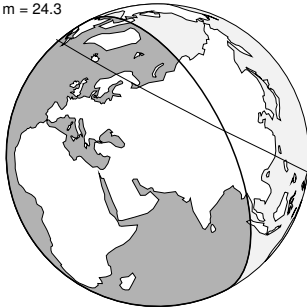
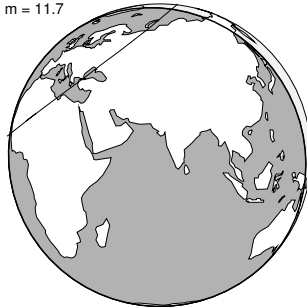
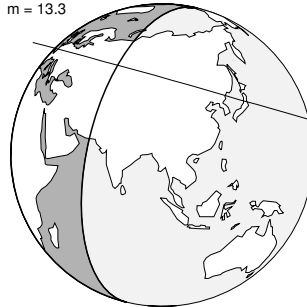
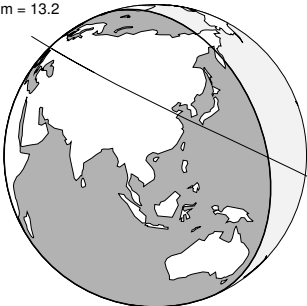
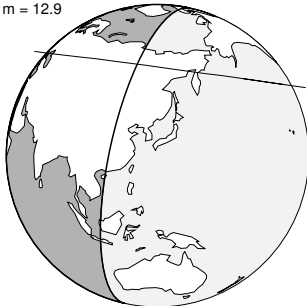
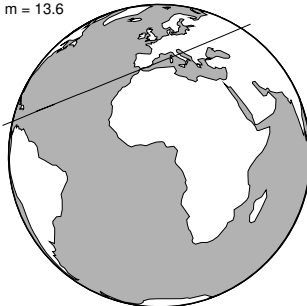
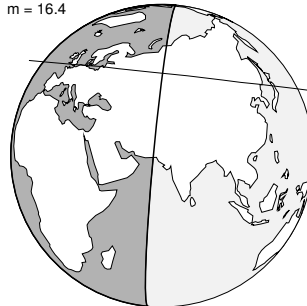
Occultations by major and minor planets – 2023

Region 5

<p>2023 mar 7 16h54.0m A23_03179 1469 Linzia Gaia 099–0018270 Diam = 60.2 m = 8.9 m = 15.3</p>  <p>Dur = 3.2s Dmag = 6.4 Sun: 86° Moon: 96°</p>	<p>2023 mar 11 19h 3.5m A23_03164 912 Maritima TYC 2918–00797–1 Diam = 86.6 m = 9.3 m = 13.4</p>  <p>Dur = 5.3s Dmag = 4.1 Sun: 93° Moon: 132°</p>	<p>2023 mar 14 14h43.7m A23_03105 349 Dembowska UCAC4 596–013196 Diam = 143.0 m = 12.1 m = 11.2</p>  <p>Dur = 6.2s Dmag = 0.4 Sun: 77° Moon: 173°</p>	<p>2023 mar 14 17h19.0m A23_03102 335 Roberta TYC 0840–00493–1 Diam = 93.6 m = 12.2 m = 12.9</p>  <p>Dur = 8.2s Dmag = 1.1 Sun: 157° Moon: 108°</p>
<p>2023 mar 16 16h 1.4m A23_03015 6 Hebe PPMX 6133648 Diam = 186.0 m = 12.4 m = 10.0</p>  <p>Dur = 39.3s Dmag = 0.1 Sun: 122° Moon: 167°</p>	<p>2023 mar 16 23h21.2m A23_03060 145 Adeona TYC 0320–00509–1 Diam = 155.0 m = 11.8 m = 12.0</p>  <p>Dur = 23.0s Dmag = 0.9 Sun: 142° Moon: 82°</p>	<p>2023 mar 20 15h56.8m A23_03043 64 Angelina TYC 1893–01673–1 Diam = 121.9 m = 11.3 m = 11.7</p>  <p>Dur = 9.6s Dmag = 1.0 Sun: 100° Moon: 115°</p>	<p>2023 mar 21 21h46.0m A23_03182 1735 ITA UCAC4 646–042108 Diam = 66.0 m = 11.3 m = 15.5</p>  <p>Dur = 5.9s Dmag = 4.2 Sun: 101° Moon: 100°</p>
<p>2023 mar 24 18h17.8m A23_03037 43 Ariadne UCAC4 555–030492 Diam = 65.3 m = 12.1 m = 12.9</p>  <p>Dur = 5.4s Dmag = 1.2 Sun: 95° Moon: 56°</p>	<p>2023 mar 26 16h49.8m A23_03103 344 Desiderata UCAC4 619–016311 Diam = 138.0 m = 11.6 m = 14.4</p>  <p>Dur = 5.8s Dmag = 2.9 Sun: 67° Moon: 10°</p>	<p>2023 mar 26 16h53.3m A23_03044 64 Angelina PPMX 5050907 Diam = 121.9 m = 12.0 m = 11.8</p>  <p>Dur = 8.1s Dmag = 0.7 Sun: 95° Moon: 33°</p>	<p>2023 mar 29 17h16.3m A23_03149 712 Boliviana HIP 43172 Diam = 132.0 m = 7.6 m = 12.9</p>  <p>Dur = 20.5s Dmag = 5.3 Sun: 124° Moon: 36°</p>
<p>2023 mar 29 17h33.4m A23_03030 27 Euterpe HIP 22767 Diam = 124.0 m = 9.8 m = 11.3</p>  <p>Dur = 3.9s Dmag = 1.8 Sun: 66° Moon: 31°</p>	<p>2023 mar 30 22h 3.8m A23_03064 168 Sibylla HIP 72769 Diam = 154.0 m = 7.6 m = 13.6</p>  <p>Dur = 16.8s Dmag = 5.9 Sun: 144° Moon: 106°</p>	<p>2023 apr 3 17h29.4m A23_04055 236 Honoria UCAC4 531–021525 Diam = 90.5 m = 11.9 m = 14.1</p>  <p>Dur = 3.8s Dmag = 2.3 Sun: 77° Moon: 75°</p>	<p>2023 apr 7 15h12.5m A23_04065 324 Bambergia TYC 2403–01329–1 Diam = 227.6 m = 11.0 m = 12.0</p>  <p>Dur = 7.0s Dmag = 1.4 Sun: 65° Moon: 131°</p>

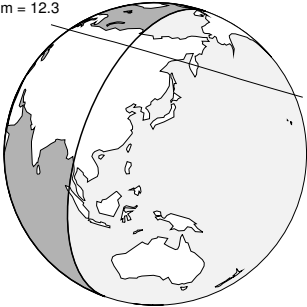
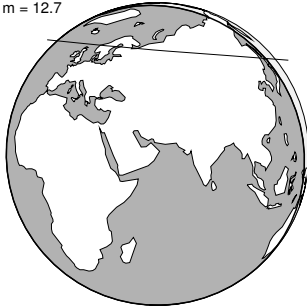
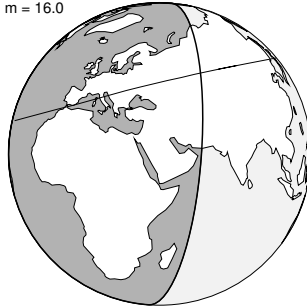
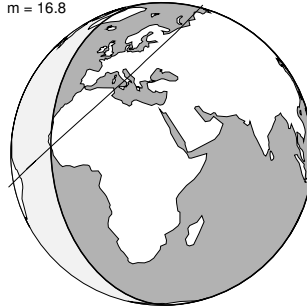
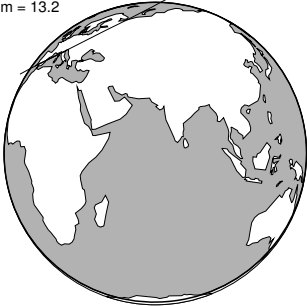
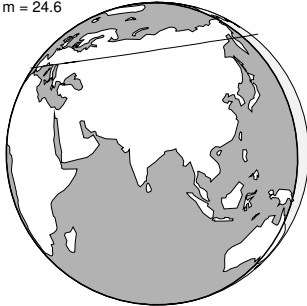
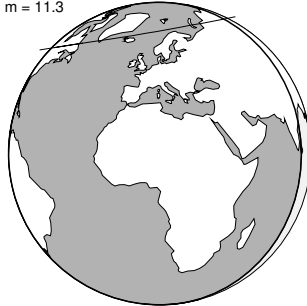
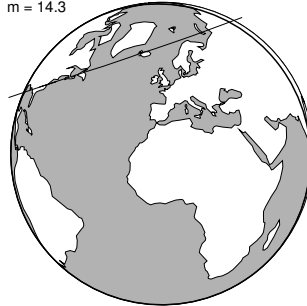
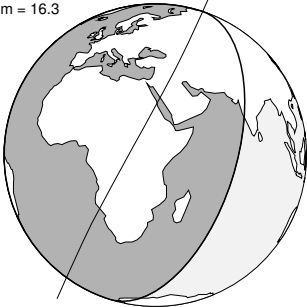
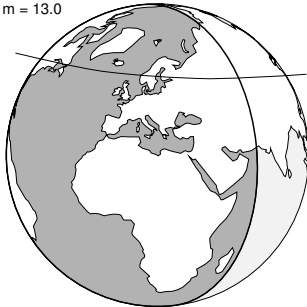
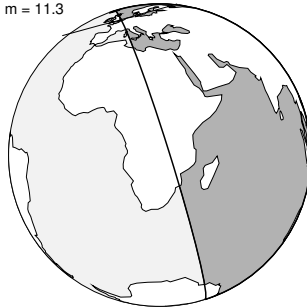
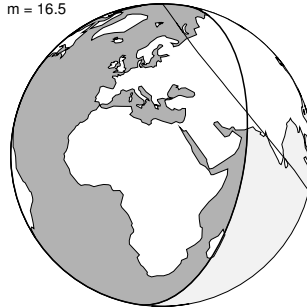
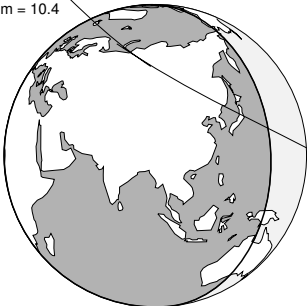
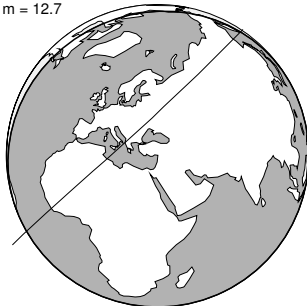
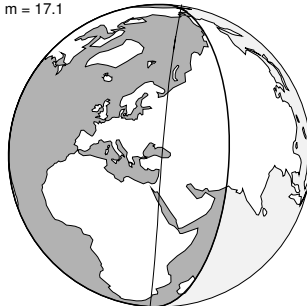
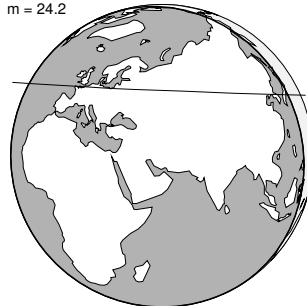
Occultations by major and minor planets – 2023

Region 5

<p>2023 apr 11 17h43.6m A23_04022 53 Kalypso TYC 1396-01752-1 Diam = 119.0 m = 10.5 m = 12.9</p>  <p>Dur = 11.8s Dmag = 2.5 Sun: 109° Moon: 139°</p>	<p>2023 apr 13 16h16.3m A23_04018 27 Euterpe TYC 1848-01230-1 Diam = 124.0 m = 11.4</p>  <p>Dur = 3.5s Dmag = 1.0 Sun: 59° Moon: 145°</p>	<p>2023 apr 16 23h43.4m A23_04117 1042 Amazone UCAC4 513-055380 Diam = 76.7 m = 12.5 m = 15.1</p>  <p>Dur = 5.0s Dmag = 2.7 Sun: 155° Moon: 151°</p>	<p>2023 apr 22 21h 0.0m P23_04004 Mars TYC 1899-00945-1 Diam = 6759.2 m = 8.6 m = 1.2</p>  <p>Dur = 250.9s Dmag = 0.0 Sun: 72° Moon: 39°</p>
<p>2023 may 12 20h29.1m B23_05007 470309 2007JK43 UCAC4 507-076920 Diam = 145.2 m = 14.9 m = 21.6</p>  <p>Dur = 6.8s Dmag = 6.6 Sun: 124° Moon: 59°</p>	<p>2023 may 24 20h49.9m A23_05036 153 Hilda UCAC4 367-123733 Diam = 175.0 m = 12.4 m = 12.8</p>  <p>Dur = 21.3s Dmag = 1.0 Sun: 145° Moon: 151°</p>	<p>2023 jun 28 21h58.2m A23_07105 914 Palisana UCAC4 562-112067 Diam = 79.0 m = 11.7 m = 11.3</p>  <p>Dur = 8.5s Dmag = 0.6 Sun: 138° Moon: 72°</p>	<p>2023 sep 6 22h27.0m B23_09009 523741 2014TY85 UCAC4 599-012384 Diam = 190.5 m = 14.6 m = 22.1</p>  <p>Dur = 30.5s Dmag = 7.4 Sun: 95° Moon: 7°</p>
<p>2023 sep 16 23h37.0m A23_09005 5 Astraea UCAC5 540-021235 Diam = 125.0 m = 12.5 m = 11.7</p>  <p>Dur = 5.6s Dmag = 0.4 Sun: 83° Moon: 105°</p>	<p>2023 sep 21 23h24.8m A23_09156 1999RV215 TYC 2865-01846-1 Diam = 87.1 m = 10.9 m = 24.3</p>  <p>Dur = 6.2s Dmag = 13.4 Sun: 117° Moon: 155°</p>	<p>2023 sep 23 20h10.4m A23_09079 345 Tercidina UCAC4 517-001676 Diam = 100.0 m = 11.6 m = 11.7</p>  <p>Dur = 11.2s Dmag = 0.8 Sun: 160° Moon: 96°</p>	<p>2023 sep 24 1h37.7m A23_09024 38 Leda UCAC4 560-045206 Diam = 120.0 m = 12.4 m = 13.3</p>  <p>Dur = 3.6s Dmag = 1.4 Sun: 60° Moon: 166°</p>
<p>2023 sep 25 19h14.9m A23_09107 595 Polyxena UCAC4 553-005449 Diam = 114.0 m = 12.3 m = 13.2</p>  <p>Dur = 12.7s Dmag = 1.3 Sun: 136° Moon: 95°</p>	<p>2023 sep 26 22h32.2m A23_09030 78 Diana TYC 1923-00471-1 Diam = 116.0 m = 12.3 m = 12.9</p>  <p>Dur = 3.9s Dmag = 1.1 Sun: 71° Moon: 143°</p>	<p>2023 sep 28 23h57.0m A23_09059 222 Lucia HIP 3055 Diam = 58.0 m = 8.6 m = 13.6</p>  <p>Dur = 4.3s Dmag = 5.0 Sun: 175° Moon: 10°</p>	<p>2023 oct 2 1h35.0m A23_10111 1280 Baillauda TYC 1898-01697-1 Diam = 55.3 m = 10.0 m = 16.4</p>  <p>Dur = 3.3s Dmag = 6.4 Sun: 86° Moon: 58°</p>

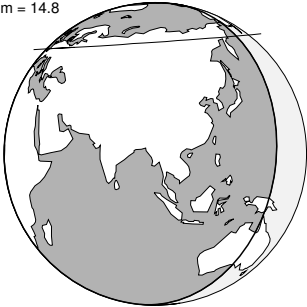
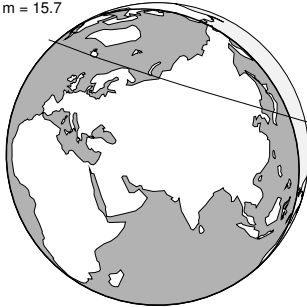

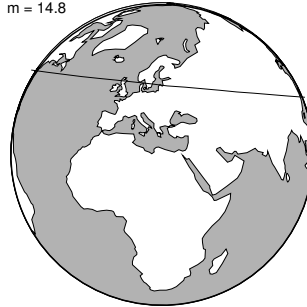
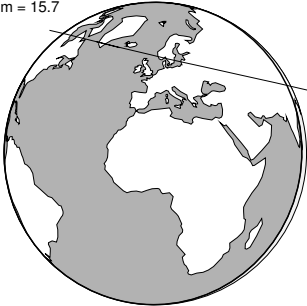
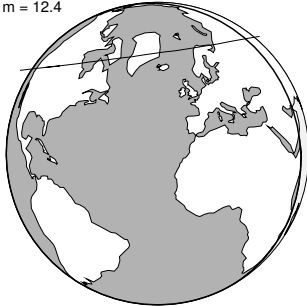
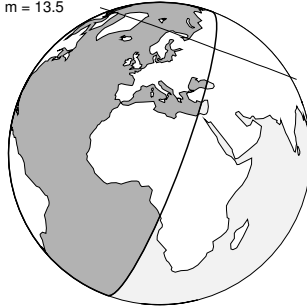
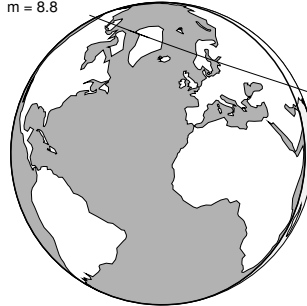
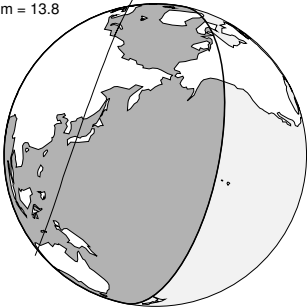
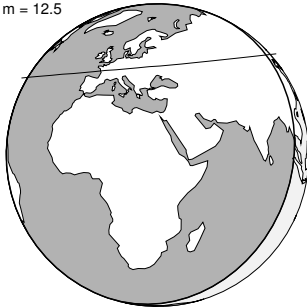
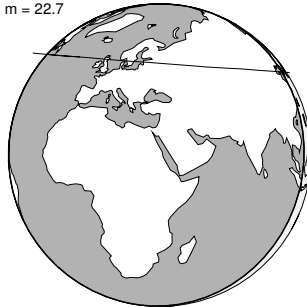
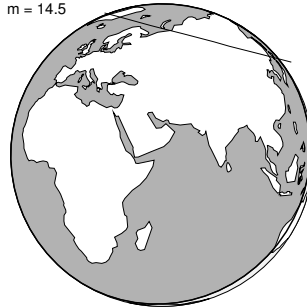
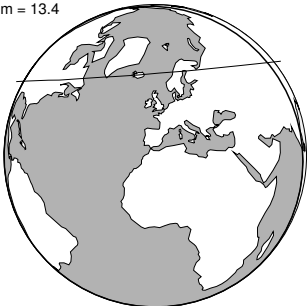
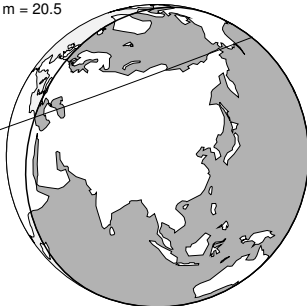
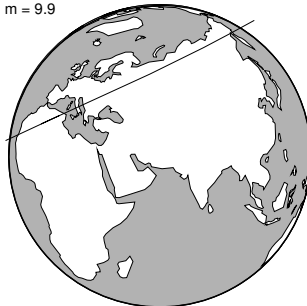
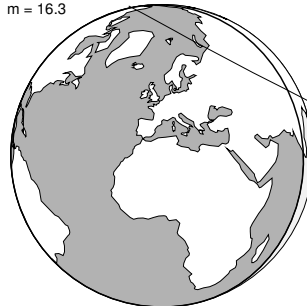
Occultations by major and minor planets – 2023

Region 5

<p>2023 oct 4 23h21.6m A23_10045 192 Nausikaa TYC 1400–01197–1 Diam = 107.0 m = 11.7 m = 12.3</p>  <p>Dur = 3.5s Dmag = 1.1 Sun: 59° Moon: 49°</p>	<p>2023 oct 19 20h46.1m A23_10083 595 Polyxena HIP 11762 Diam = 114.0 m = 7.1 m = 12.7</p>  <p>Dur = 8.0s Dmag = 5.7 Sun: 162° Moon: 136°</p>	<p>2023 oct 20 1h57.9m A23_10055 267 Tirza UCAC5 571–032087 Diam = 53.6 m = 12.5 m = 16.0</p>  <p>Dur = 7.9s Dmag = 3.5 Sun: 105° Moon: 169°</p>	<p>2023 oct 25 18h33.9m A23_10131 16070 Charops TYC 1163–00183–1 Diam = 45.3 m = 12.5 m = 16.8</p>  <p>Dur = 4.8s Dmag = 4.4 Sun: 137° Moon: 20°</p>
<p>2023 nov 2 19h13.1m A23_11068 339 Dorothea UCAC4 470–003529 Diam = 43.7 m = 11.7 m = 13.2</p>  <p>Dur = 3.6s Dmag = 1.8 Sun: 168° Moon: 65°</p>	<p>2023 nov 2 19h38.6m B23_11016 2015VR165 UCAC4 555–008657 Diam = 75.9 m = 12.8 m = 24.6</p>  <p>Dur = 3.3s Dmag = 11.8 Sun: 157° Moon: 39°</p>	<p>2023 nov 5 0h30.7m A23_11044 182 Elsa UCAC4 538–007986 Diam = 45.3 m = 12.1 m = 11.3</p>  <p>Dur = 8.3s Dmag = 0.4 Sun: 159° Moon: 66°</p>	<p>2023 nov 5 0h41.8m A23_11098 541 Deborah TYC 1797–00332–1 Diam = 59.1 m = 10.1 m = 14.3</p>  <p>Dur = 4.7s Dmag = 4.2 Sun: 166° Moon: 73°</p>
<p>2023 nov 5 1h 5.8m A23_11143 3709 Polypoites UCAC4 456–018361 Diam = 66.1 m = 11.4 m = 16.3</p>  <p>Dur = 6.7s Dmag = 4.9 Sun: 122° Moon: 41°</p>	<p>2023 nov 5 1h53.1m A23_11078 407 Arachne TYC 2419–00879–1 Diam = 97.0 m = 10.9 m = 13.0</p>  <p>Dur = 40.8s Dmag = 2.2 Sun: 131° Moon: 38°</p>	<p>2023 nov 12 15h59.4m A23_11006 10 Hygiea TYC 5779–01674–1 Diam = 429.0 m = 9.8 m = 11.3</p>  <p>Dur = 22.9s Dmag = 1.8 Sun: 86° Moon: 95°</p>	<p>2023 nov 13 2h 5.4m A23_11147 4833 Meges PPMX 6083258 Diam = 63.1 m = 12.5 m = 16.5</p>  <p>Dur = 7.2s Dmag = 4.0 Sun: 123° Moon: 119°</p>
<p>2023 nov 14 20h18.5m A23_11016 37 Fides PPMX 5018662 Diam = 112.0 m = 12.4 m = 10.4</p>  <p>Dur = 38.8s Dmag = 0.2 Sun: 139° Moon: 158°</p>	<p>2023 nov 16 20h46.0m A23_11031 132 Aethra HIP 13252 Diam = 47.0 m = 7.5 m = 12.7</p>  <p>Dur = 3.2s Dmag = 5.2 Sun: 160° Moon: 133°</p>	<p>2023 nov 20 2h 2.3m A23_11149 5028 Halaesus UCAC5 660–048929 Diam = 43.7 m = 12.4 m = 17.1</p>  <p>Dur = 3.9s Dmag = 4.7 Sun: 117° Moon: 151°</p>	<p>2023 nov 22 21h32.3m B23_11010 2004VG131 UCAC4 609–018391 Diam = 83.2 m = 12.9 m = 24.2</p>  <p>Dur = 3.6s Dmag = 11.3 Sun: 157° Moon: 79°</p>

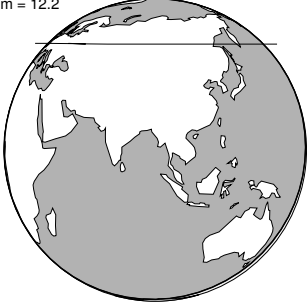
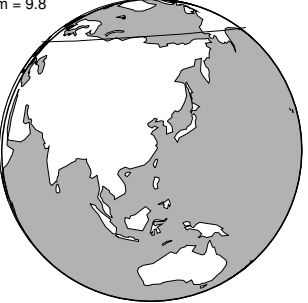
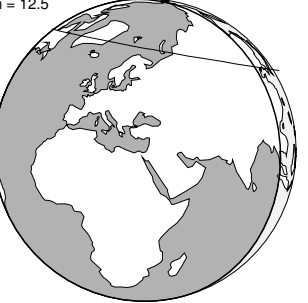

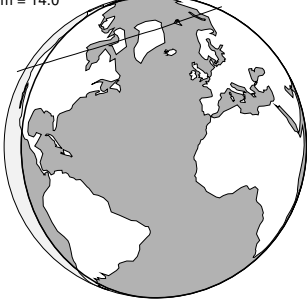



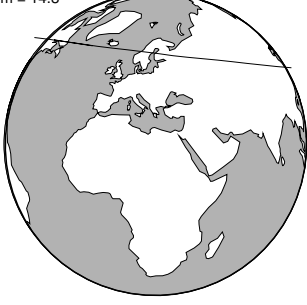
Occultations by major and minor planets – 2023

Region 5

<p>2023 nov 23 20h 2.0m A23_11126 1143 Odysseus TYC 1337-01481-1 Diam = 135.0 m = 10.5 m = 14.8</p>  <p>Dur = 13.2s Dmag = 4.3 Sun: 142° Moon: 82°</p>	<p>2023 nov 23 20h59.6m A23_11134 1637 Swings TYC 2913-02146-1 Diam = 49.7 m = 12.1 m = 15.7</p>  <p>Dur = 3.8s Dmag = 3.6 Sun: 153° Moon: 68°</p>	<p>2023 nov 25 19h23.3m A23_11080 407 Arachne UCAC4 603-026747 Diam = 97.0 m = 12.4 m = 12.6</p>  <p>Dur = 10.7s Dmag = 0.9 Sun: 153° Moon: 45°</p>	<p>2023 nov 27 22h 1.9m A23_11130 1323 Tugela TYC 2357-01690-1 Diam = 60.1 m = 14.8</p>  <p>Dur = 3.7s Dmag = 5.1 Sun: 170° Moon: 9°</p>
<p>2023 dec 1 0h37.6m A23_12183 4489 Dracius UCAC4 549-015121 Diam = 66.1 m = 11.3 m = 15.7</p>  <p>Dur = 3.8s Dmag = 4.4 Sun: 165° Moon: 31°</p>	<p>2023 dec 1 2h45.2m A23_12092 407 Arachne UCAC4 602-024255 Diam = 97.0 m = 11.3 m = 12.4</p>  <p>Dur = 9.5s Dmag = 1.5 Sun: 160° Moon: 26°</p>	<p>2023 dec 2 4h45.6m A23_12046 101 Helena TYC 1420-00159-1 Diam = 68.3 m = 11.3 m = 13.5</p>  <p>Dur = 7.0s Dmag = 2.3 Sun: 99° Moon: 24°</p>	<p>2023 dec 8 2h37.4m A23_12014 9 Metis UCAC4 582-026499 Diam = 231.2 m = 12.3 m = 8.8</p>  <p>Dur = 30.0s Dmag = 0.0 Sun: 161° Moon: 103°</p>
<p>2023 dec 9 17h15.9m A23_12086 344 Desiderata UCAC4 625-044878 Diam = 138.0 m = 12.4 m = 13.8</p>  <p>Dur = 14.4s Dmag = 1.6 Sun: 114° Moon: 78°</p>	<p>2023 dec 10 23h37.0m A23_12039 72 Feronia TYC 0760-00023-1 Diam = 89.3 m = 10.2 m = 12.5</p>  <p>Dur = 8.9s Dmag = 2.5 Sun: 152° Moon: 128°</p>	<p>2023 dec 15 22h48.3m B23_12006 2000WW12 UCAC4 554-031831 Diam = 125.9 m = 13.2 m = 22.7</p>  <p>Dur = 5.5s Dmag = 9.5 Sun: 162° Moon: 157°</p>	<p>2023 dec 19 21h10.7m A23_12140 850 Altona UCAC4 519-029174 Diam = 84.5 m = 11.7 m = 14.5</p>  <p>Dur = 5.6s Dmag = 2.9 Sun: 164° Moon: 100°</p>
<p>2023 dec 20 1h 7.0m A23_12118 606 Brangäne TYC 2439-00851-1 Diam = 40.0 m = 10.2 m = 13.4</p>  <p>Dur = 3.8s Dmag = 3.3 Sun: 164° Moon: 99°</p>	<p>2023 dec 20 15h15.1m B23_12002 24835 1995SM55 UCAC4 649-016225 Diam = 485.3 m = 14.8 m = 20.5</p>  <p>Dur = 21.4s Dmag = 5.7 Sun: 148° Moon: 56°</p>	<p>2023 dec 20 19h36.3m A23_12123 704 Interamnia PPMX 3991562 Diam = 333.0 m = 12.5 m = 9.9</p>  <p>Dur = 23.9s Dmag = 0.1 Sun: 172° Moon: 73°</p>	<p>2023 dec 25 1h17.7m A23_12172 2260 Neoptolemus UCAC5 600-040228 Diam = 85.0 m = 12.5 m = 16.3</p>  <p>Dur = 5.1s Dmag = 3.9 Sun: 158° Moon: 43°</p>

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<p>2023 dec 25 18h16.0m A23_12041 72 Feronia UCAC5 524-030151 Diam = 89.3 m = 12.4 m = 12.2</p>  <p>Dur = 7.3s Dmag = 0.7 Sun: 168° Moon: 26°</p>	<p>2023 dec 26 15h20.1m A23_12028 37 Fides UCAC4 594-019801 Diam = 112.0 m = 11.4 m = 9.8</p>  <p>Dur = 13.8s Dmag = 0.2 Sun: 168° Moon: 5°</p>	<p>2023 dec 26 23h40.7m A23_12112 516 Amherstia HIP 40408 Diam = 75.7 m = 9.2 m = 12.5</p>  <p>Dur = 6.9s Dmag = 3.4 Sun: 153° Moon: 25°</p>	<p>2023 dec 27 22h 7.3m A23_12007 5 Astraea TYC 1315-01816-1 Diam = 125.0 m = 11.9 m = 9.3</p>  <p>Dur = 13.9s Dmag = 0.1 Sun: 173° Moon: 16°</p>
<p>2023 dec 28 0h11.9m A23_12081 271 Penthesilea TYC 1824-00070-1 Diam = 61.2 m = 10.6 m = 14.0</p>  <p>Dur = 7.2s Dmag = 3.4 Sun: 152° Moon: 38°</p>	<p>2023 dec 30 2h16.1m A23_12042 78 Diana TYC 1952-00986-1 Diam = 116.0 m = 10.8 m = 11.1</p>  <p>Dur = 42.1s Dmag = 1.0 Sun: 141° Moon: 4°</p>	<p>2023 dec 30 18h31.5m A23_12029 37 Fides PPMX 4976735 Diam = 112.0 m = 12.4 m = 9.9</p>  <p>Dur = 14.8s Dmag = 0.1 Sun: 164° Moon: 57°</p>	<p>2023 dec 31 1h 7.6m A23_12145 987 Wallia PPMX 3988611 Diam = 44.6 m = 12.2 m = 14.1</p>  <p>Dur = 3.3s Dmag = 2.1 Sun: 162° Moon: 60°</p>
<p>2023 dec 31 22h 1.3m A23_12080 267 Tirza UCAC5 583-023611 Diam = 53.6 m = 12.4 m = 14.8</p>  <p>Dur = 3.8s Dmag = 2.5 Sun: 171° Moon: 62°</p>			