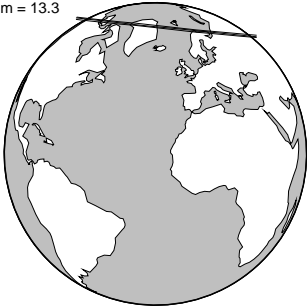
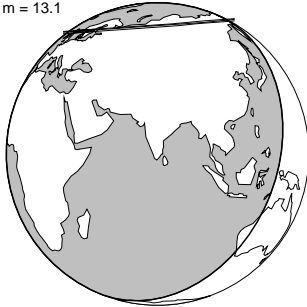
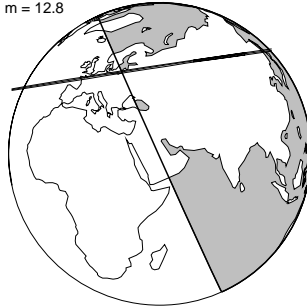
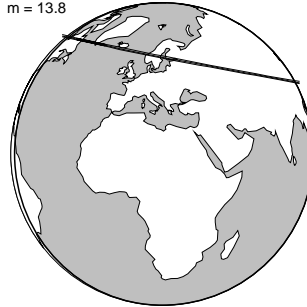
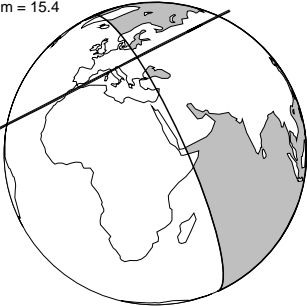
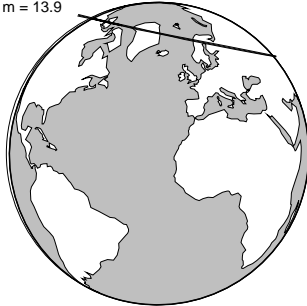
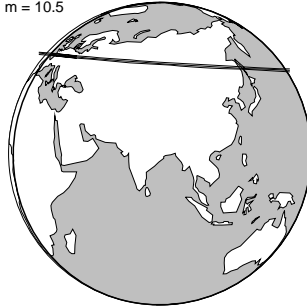
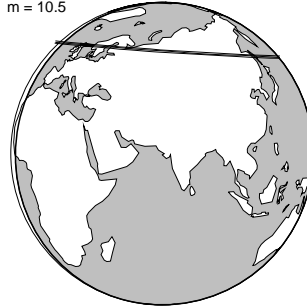
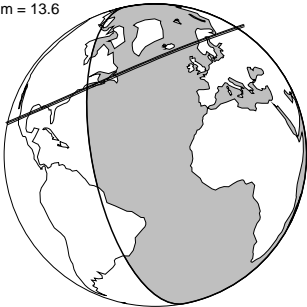
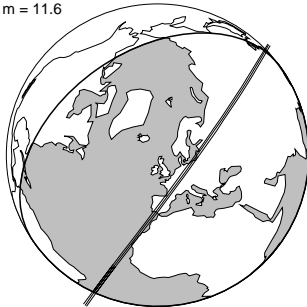
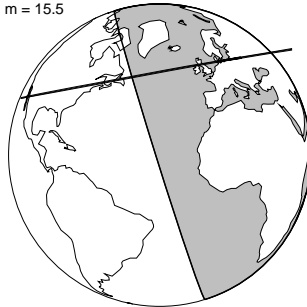
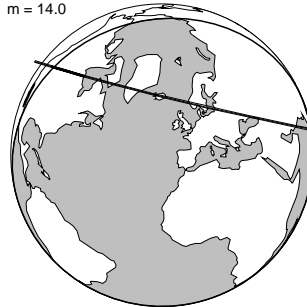
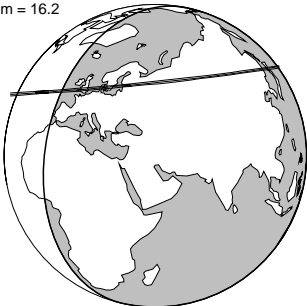
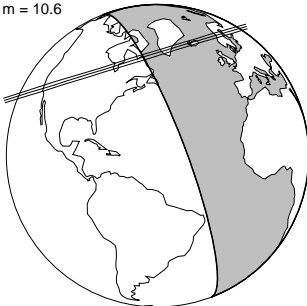
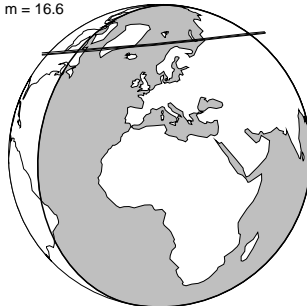
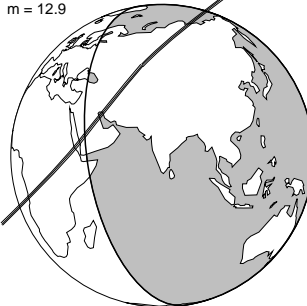


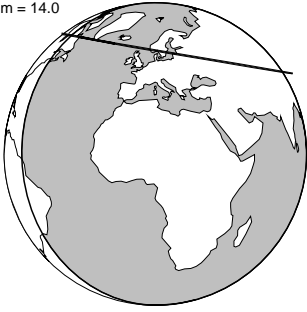
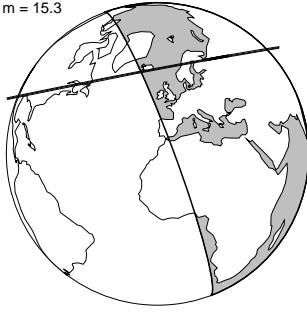
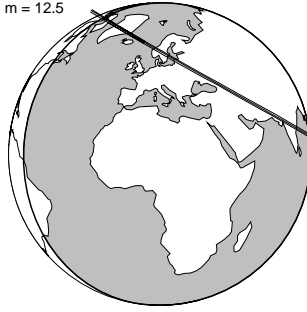
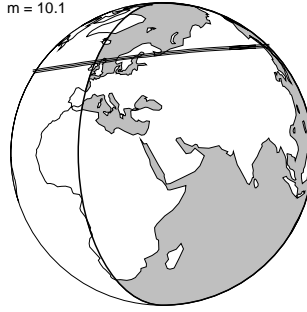
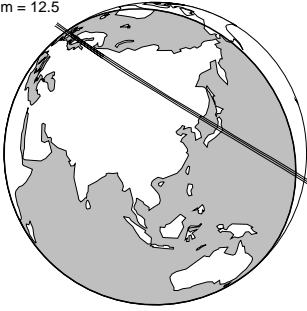
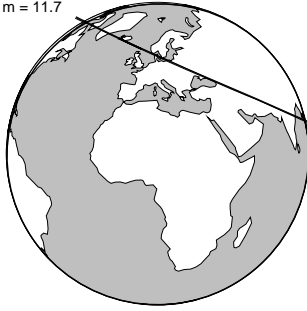
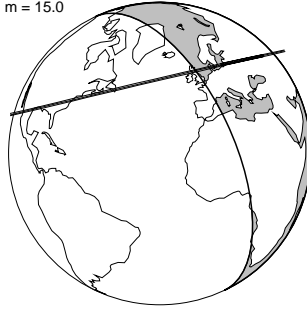
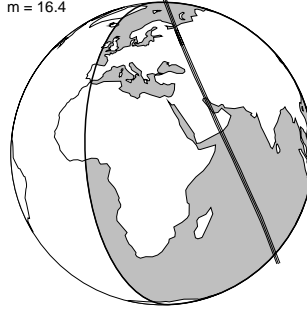
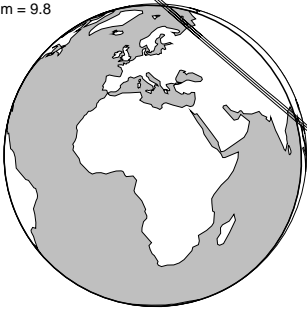
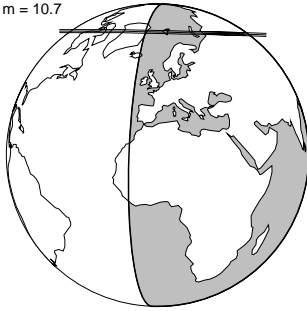
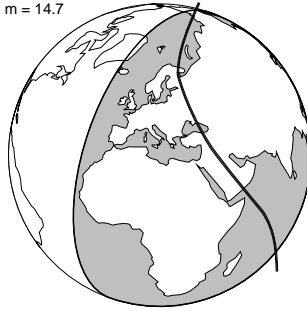
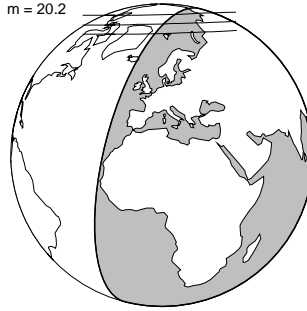
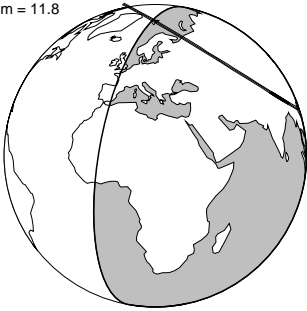
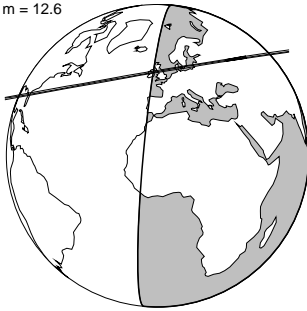
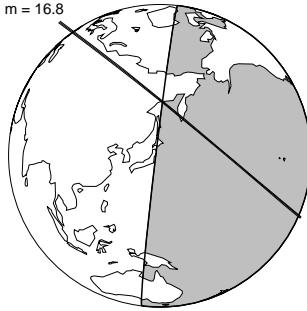
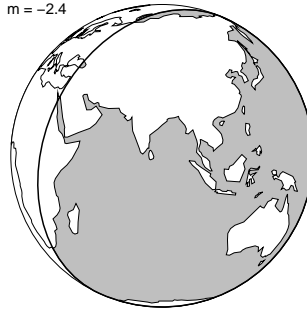
Occultations by major and minor planets – 2016

Region 5

<p>2016 jan 5 1h25.4m A16_01072 379 Huenna PPMX 6059769 Diam = 96.1 m = 12.3 m = 13.3</p>  <p>Dur = 6.8s Dmag = 1.4 Sun: 176° Moon: 123°</p>	<p>2016 jan 7 21h24.1m A16_01077 407 Arachne UCAC4-503-052647 Diam = 97.0 m = 9.8 m = 13.1</p>  <p>Dur = 12.8s Dmag = 3.4 Sun: 142° Moon: 116°</p>	<p>2016 jan 9 14h17.2m A16_01019 61 Danaë PPMX 4769806 Diam = 83.6 m = 12.5 m = 12.8</p>  <p>Dur = 4.5s Dmag = 0.9 Sun: 90° Moon: 95°</p>	<p>2016 jan 15 22h 1.0m A16_01120 1171 Rusthawelia PPMX 6064827 Diam = 73.6 m = 11.9 m = 13.8</p>  <p>Dur = 6.9s Dmag = 2.0 Sun: 167° Moon: 91°</p>
<p>2016 jan 16 14h45.2m A16_01128 1735 ITA UCAC4-506-001174 Diam = 66.0 m = 10.9 m = 15.4</p>  <p>Dur = 3.1s Dmag = 4.5 Sun: 78° Moon: 11°</p>	<p>2016 jan 22 0h56.1m A16_01075 383 Janina PPMX 5085517 Diam = 49.7 m = 12.4 m = 13.9</p>  <p>Dur = 4.5s Dmag = 1.7 Sun: 167° Moon: 14°</p>	<p>2016 jan 25 17h30.3m A16_01013 30 Urania PPMX 5090254 Diam = 104.0 m = 12.5 m = 10.5</p>  <p>Dur = 11.1s Dmag = 0.2 Sun: 165° Moon: 34°</p>	<p>2016 jan 25 18h35.4m A16_01012 30 Urania UCAC4-563-041324 Diam = 104.0 m = 11.9 m = 10.5</p>  <p>Dur = 11.1s Dmag = 0.3 Sun: 165° Moon: 35°</p>
<p>2016 jan 30 21h40.7m A16_01021 62 Erato PPMX 5914952 Diam = 99.3 m = 12.1 m = 13.6</p>  <p>Dur = 16.5s Dmag = 1.7 Sun: 114° Moon: 142°</p>	<p>2016 feb 1 22h56.2m A16_02034 247 Eukrate PPMX 1463026 Diam = 137.0 m = 12.3 m = 11.6</p>  <p>Dur = 11.7s Dmag = 0.5 Sun: 133° Moon: 117°</p>	<p>2016 feb 2 20h 4.1m A16_02050 406 Erna UCAC4-552-005256 Diam = 53.8 m = 11.5 m = 15.5</p>  <p>Dur = 3.1s Dmag = 4.0 Sun: 91° Moon: 160°</p>	<p>2016 feb 4 0h47.8m A16_02088 1048 Feodosia UCAC4-662-052398 Diam = 72.5 m = 12.1 m = 14.0</p>  <p>Dur = 5.7s Dmag = 2.1 Sun: 153° Moon: 130°</p>
<p>2016 feb 4 18h 1.8m A16_02097 1902 Shaposhnikov UCAC4-619-031595 Diam = 101.0 m = 12.1 m = 16.2</p>  <p>Dur = 10.5s Dmag = 4.1 Sun: 136° Moon: 163°</p>	<p>2016 feb 6 20h36.4m A16_02008 29 Amphitrite UCAC4-545-003968 Diam = 219.0 m = 10.5 m = 10.6</p>  <p>Dur = 9.2s Dmag = 0.8 Sun: 79° Moon: 101°</p>	<p>2016 feb 7 21h12.3m A16_02086 884 Priamus PPMX 5053658 Diam = 72.1 m = 12.1 m = 16.6</p>  <p>Dur = 5.4s Dmag = 4.5 Sun: 143° Moon: 152°</p>	<p>2016 feb 8 14h55.1m A16_02033 233 Asterope UCAC4-524-011703 Diam = 108.0 m = 10.8 m = 12.9</p>  <p>Dur = 42.8s Dmag = 2.3 Sun: 119° Moon: 120°</p>

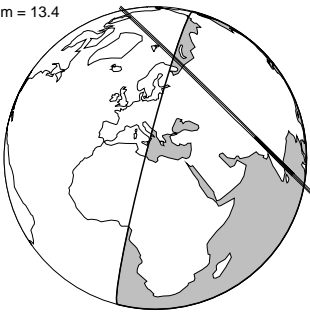
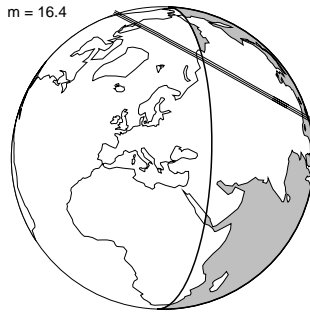
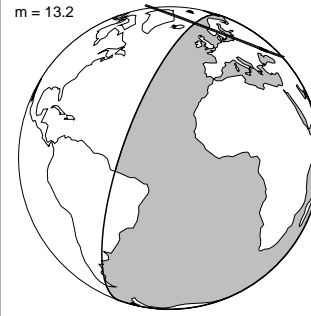
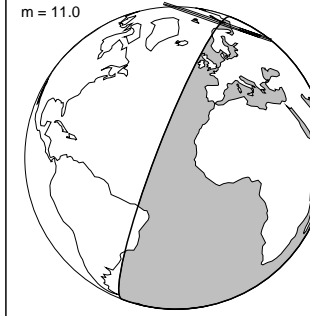
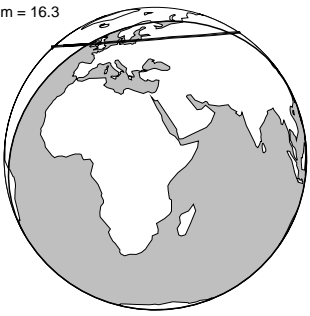
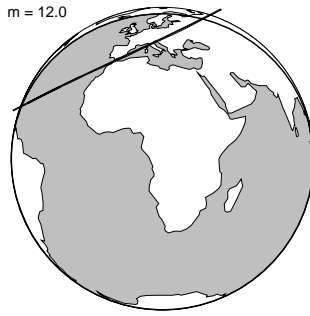
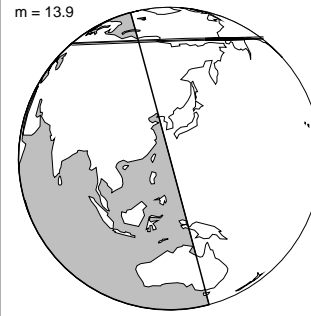
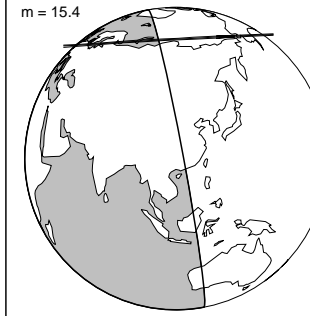
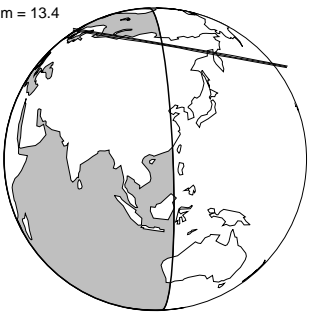
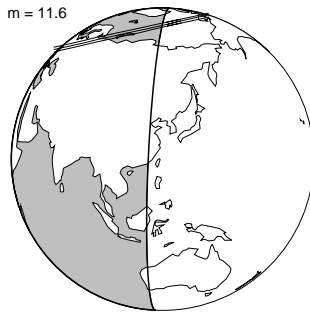
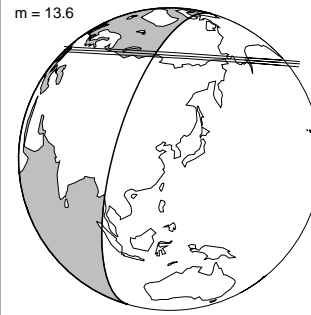
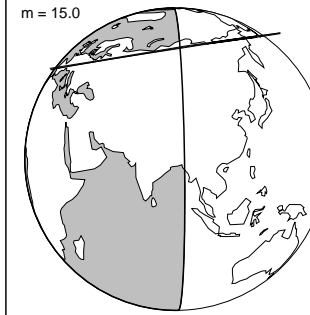
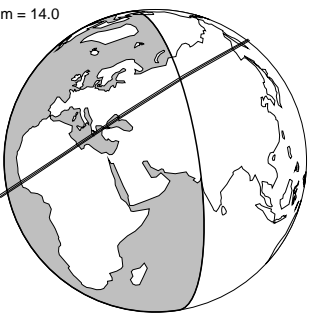
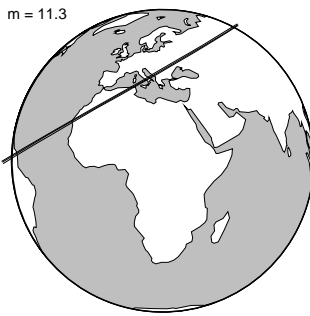
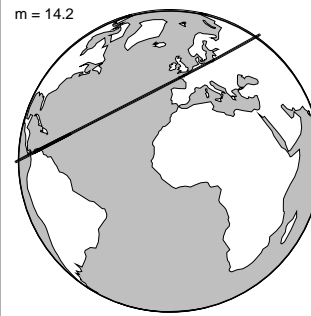
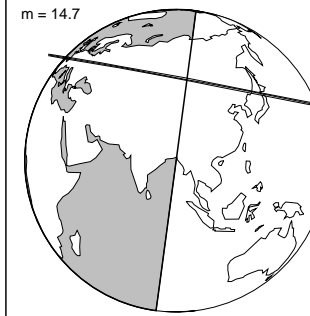
Occultations by major and minor planets – 2016

Region 5

<p>2016 feb 8 21h41.7m A16_02077 774 Armor UCAC4-531-041362 Diam = 57.0 m = 11.7 m = 14.0</p>  <p>Dur = 4.5s Dmag = 2.4 Sun: 152° Moon: 149°</p>	<p>2016 feb 10 17h49.5m A16_02081 795 Fini UCAC4-602-006630 Diam = 78.7 m = 15.3</p>  <p>Dur = 4.4s Dmag = 4.5 Sun: 83° Moon: 56°</p>	<p>2016 feb 10 21h42.8m A16_02046 387 Aquitania PPMX 6120642 Diam = 106.0 m = 12.4 m = 12.5</p>  <p>Dur = 7.2s Dmag = 0.8 Sun: 154° Moon: 123°</p>	<p>2016 feb 13 17h31.1m A16_02006 27 Euterpe UCAC4-571-020734 Diam = 124.0 m = 10.9 m = 10.1</p>  <p>Dur = 28.5s Dmag = 0.4 Sun: 123° Moon: 55°</p>
<p>2016 feb 18 18h33.1m A16_02040 344 Desiderata UCAC4-605-048365 Diam = 138.0 m = 12.4 m = 12.5</p>  <p>Dur = 10.0s Dmag = 0.8 Sun: 151° Moon: 64°</p>	<p>2016 feb 27 23h 9.3m A16_02038 261 Prymo PPMX 6217450 Diam = 52.6 m = 12.1 m = 11.7</p>  <p>Dur = 6.1s Dmag = 0.6 Sun: 170° Moon: 65°</p>	<p>2016 feb 28 17h33.2m A16_02026 143 Adria UCAC4-572-004740 Diam = 92.0 m = 12.1 m = 15.0</p>  <p>Dur = 3.0s Dmag = 3.0 Sun: 60° Moon: 165°</p>	<p>2016 mar 1 18h11.6m A16_03097 3317 Paris UCAC4-496-033585 Diam = 127.0 m = 11.7 m = 16.4</p>  <p>Dur = 10.6s Dmag = 4.7 Sun: 120° Moon: 146°</p>
<p>2016 mar 9 0h 1.9m A16_03001 6 Hebe UCAC4-515-054135 Diam = 186.0 m = 11.2 m = 9.8</p>  <p>Dur = 12.7s Dmag = 0.3 Sun: 163° Moon: 162°</p>	<p>2016 mar 13 18h49.9m A16_03011 27 Euterpe UCAC4-572-027332 Diam = 124.0 m = 10.5 m = 10.7</p>  <p>Dur = 8.6s Dmag = 0.9 Sun: 100° Moon: 36°</p>	<p>2016 mar 13 19h23.3m A16_03063 581 Tauntonia UCAC4-622-041230 Diam = 67.1 m = 11.8 m = 14.7</p>  <p>Dur = 72.4s Dmag = 3.0 Sun: 119° Moon: 58°</p>	<p>2016 mar 24 19h20.1m B16_03002 20000 Varuna UCAC4-585-041384 Diam = 794.3 m = 14.1 m = 20.2</p>  <p>Dur = 101.4s Dmag = 6.1 Sun: 112° Moon: 81°</p>
<p>2016 mar 27 18h23.8m A16_03024 115 Thyra UCAC4-534-044816 Diam = 83.5 m = 12.4 m = 11.8</p>  <p>Dur = 11.1s Dmag = 0.5 Sun: 111° Moon: 115°</p>	<p>2016 mar 27 18h48.9m A16_03037 202 Chryseis UCAC4-553-034305 Diam = 85.5 m = 11.6 m = 12.6</p>  <p>Dur = 6.0s Dmag = 1.4 Sun: 95° Moon: 131°</p>	<p>2016 mar 31 8h51.3m A16_03095 3012 Minsk UCAC4-643-041129 Diam = 64.1 m = 10.3 m = 16.8</p>  <p>Dur = 3.5s Dmag = 6.5 Sun: 91° Moon: 159°</p>	<p>2016 apr 12 15h59.8m P16_04001 Jupiter HIP 54057 Diam = 133542.0 m = 7.4 m = -2.4</p>  <p>Dur = 12978.9s Dmag = 0.0 Sun: 141° Moon: 70°</p>

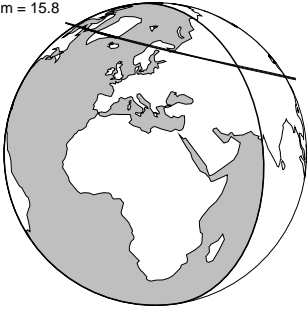
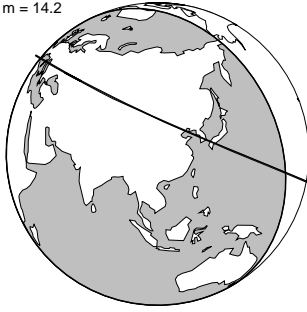
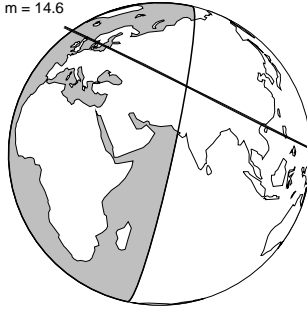
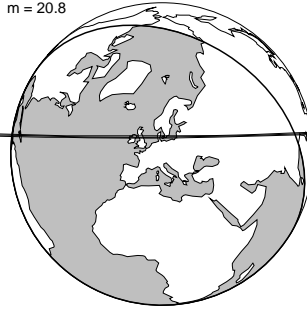
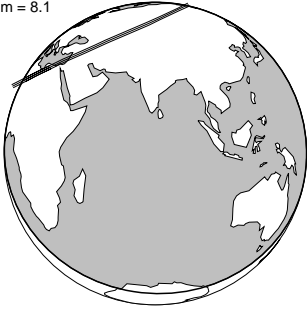
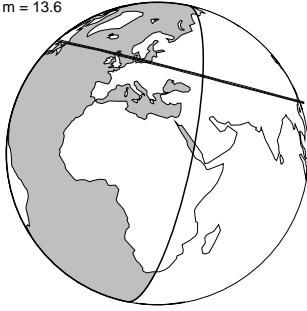
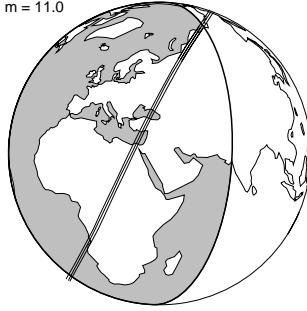
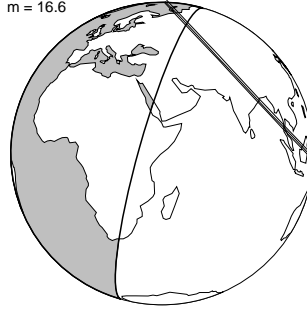
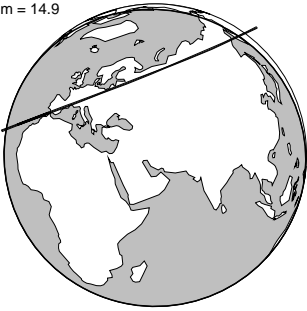
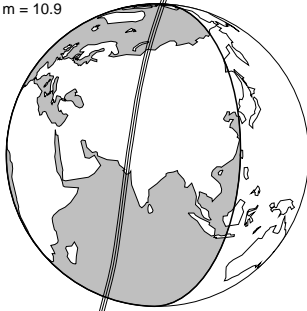
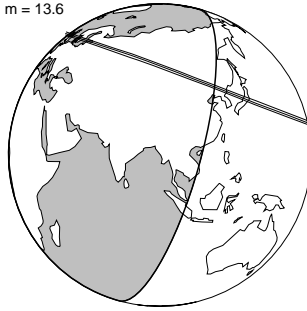
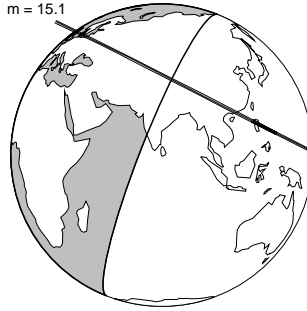
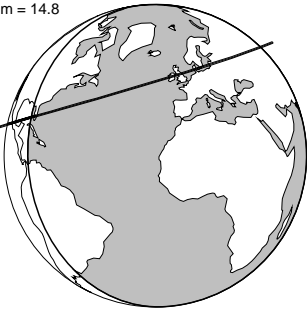
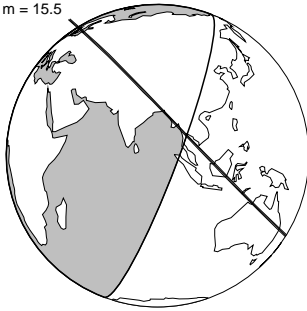
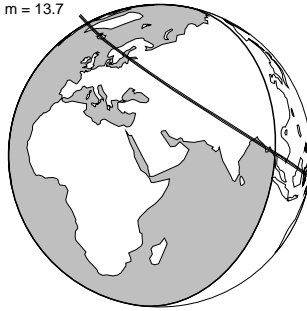
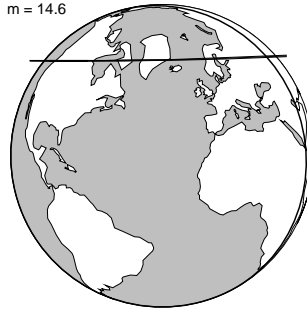
Occultations by major and minor planets – 2016

Region 5

<p>2016 apr 15 17h27.9m A16_04017 36 Atalante UCAC4-611-043053 Diam = 109.0 m = 11.8 m = 13.4</p>  <p>Dur = 5.8s Dmag = 1.9 Sun: 93° Moon: 21°</p>	<p>2016 apr 27 15h31.4m A16_04064 617 Patroclus UCAC4-662-049995 Diam = 149.0 m = 11.4 m = 16.4</p>  <p>Dur = 6.5s Dmag = 5.0 Sun: 71° Moon: 153°</p>	<p>2016 may 6 21h 7.7m A16_05019 133 Cyrene PPMX 8323961 Diam = 70.1 m = 12.3 m = 13.2</p>  <p>Dur = 11.5s Dmag = 1.3 Sun: 108° Moon: 107°</p>	<p>2016 may 10 20h27.7m A16_05003 5 Astraea UCAC4-529-049972 Diam = 125.0 m = 11.9 m = 11.0</p>  <p>Dur = 7.8s Dmag = 0.4 Sun: 97° Moon: 43°</p>
<p>2016 may 17 20h40.0m A16_05087 4489 1988AK UCAC4-478-056263 Diam = 66.1 m = 9.2 m = 16.3</p>  <p>Dur = 4.0s Dmag = 7.1 Sun: 151° Moon: 29°</p>	<p>2016 jul 9 22h57.4m A16_07026 217 Eudora UCAC4-424-109478 Diam = 45.7 m = 11.3 m = 12.0</p>  <p>Dur = 7.4s Dmag = 1.2 Sun: 163° Moon: 114°</p>	<p>2016 aug 15 21h 7.9m A16_08065 849 Ara UCAC4-568-006999 Diam = 100.0 m = 11.6 m = 13.9</p>  <p>Dur = 7.4s Dmag = 2.4 Sun: 90° Moon: 121°</p>	<p>2016 aug 31 22h16.5m A16_08073 1243 Pamela UCAC4-580-010663 Diam = 75.5 m = 12.3 m = 15.4</p>  <p>Dur = 5.7s Dmag = 3.2 Sun: 92° Moon: 88°</p>
<p>2016 sep 22 21h59.7m A16_09023 72 Feronia PPMX 5982865 Diam = 89.3 m = 12.3 m = 13.4</p>  <p>Dur = 7.0s Dmag = 1.4 Sun: 96° Moon: 2°</p>	<p>2016 sep 22 22h 4.8m A16_09009 22 Kalliope PPMX 5029895 Diam = 187.0 m = 12.3 m = 11.6</p>  <p>Dur = 9.2s Dmag = 0.4 Sun: 84° Moon: 14°</p>	<p>2016 sep 22 23h22.1m A16_09046 375 Ursula UCAC4-623-041887 Diam = 216.0 m = 11.4 m = 13.6</p>  <p>Dur = 8.5s Dmag = 2.3 Sun: 68° Moon: 33°</p>	<p>2016 sep 23 23h41.8m A16_09069 1071 Brita PPMX 4996797 Diam = 52.7 m = 12.3 m = 15.0</p>  <p>Dur = 3.2s Dmag = 2.8 Sun: 93° Moon: 12°</p>
<p>2016 sep 25 1h 2.3m A16_09042 303 Josephina UCAC4-602-014957 Diam = 103.0 m = 11.5 m = 14.0</p>  <p>Dur = 11.9s Dmag = 2.6 Sun: 106° Moon: 39°</p>	<p>2016 oct 8 21h52.3m A16_10007 32 Pomona UCAC4-491-000903 Diam = 82.0 m = 9.2 m = 11.3</p>  <p>Dur = 6.4s Dmag = 2.2 Sun: 174° Moon: 88°</p>	<p>2016 oct 10 0h27.5m A16_10103 976 Benjamina UCAC4-525-001810 Diam = 86.6 m = 11.6 m = 14.2</p>  <p>Dur = 5.8s Dmag = 2.7 Sun: 171° Moon: 83°</p>	<p>2016 oct 10 23h52.1m A16_10080 586 Thekla UCAC4-556-039320 Diam = 85.0 m = 12.4 m = 14.7</p>  <p>Dur = 5.1s Dmag = 2.4 Sun: 90° Moon: 159°</p>

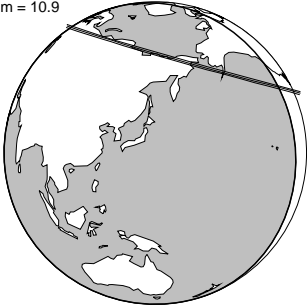
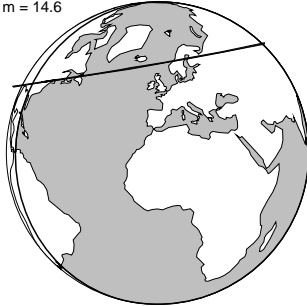
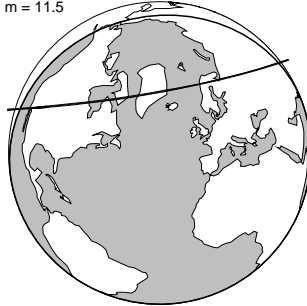
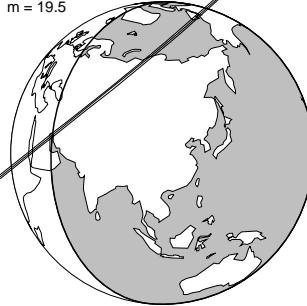
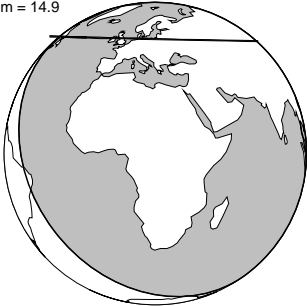
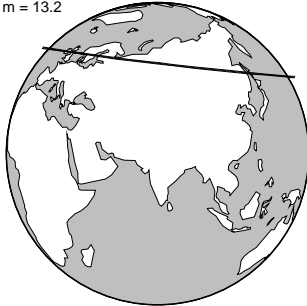
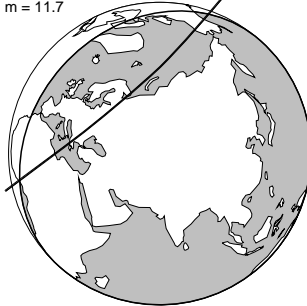

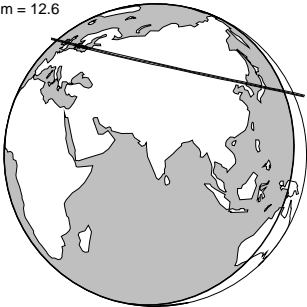
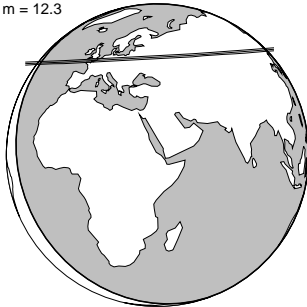
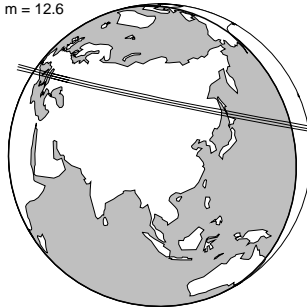
Occultations by major and minor planets – 2016

Region 5

<p>2016 oct 21 1h17.0m A16_10108 1119 Euboea TYC 1279-00758-1 Diam = 44.8 m = 12.5 m = 15.8</p>  <p>Dur = 6.9s Dmag = 3.4 Sun: 135° Moon: 24°</p>	<p>2016 oct 21 18h51.3m A16_10098 829 Academia PPMX 3902780 Diam = 44.0 m = 12.5 m = 14.2</p>  <p>Dur = 6.9s Dmag = 1.9 Sun: 143° Moon: 45°</p>	<p>2016 oct 28 1h30.1m A16_10054 342 Endymion UCAC4-524-045662 Diam = 65.0 m = 12.1 m = 14.6</p>  <p>Dur = 4.0s Dmag = 2.6 Sun: 95° Moon: 66°</p>	<p>2016 nov 1 0h18.6m B16_11002 341275 2007RG283 UCAC4-696-026276 Diam = 79.4 m = 14.6 m = 20.8</p>  <p>Dur = 4.1s Dmag = 6.2 Sun: 141° Moon: 144°</p>
<p>2016 nov 1 18h14.3m A16_11002 18 Melpomene UCAC4-413-002813 Diam = 135.0 m = 11.6 m = 8.1</p>  <p>Dur = 26.2s Dmag = 0.0 Sun: 157° Moon: 145°</p>	<p>2016 nov 2 3h25.8m A16_11034 206 Hersilia PPMX 6123968 Diam = 76.6 m = 12.2 m = 13.6</p>  <p>Dur = 7.7s Dmag = 1.7 Sun: 103° Moon: 130°</p>	<p>2016 nov 3 1h18.3m A16_11005 22 Kalliope TYC 1906-00935-1 Diam = 187.0 m = 12.3 m = 11.0</p>  <p>Dur = 27.8s Dmag = 0.3 Sun: 118° Moon: 153°</p>	<p>2016 nov 4 3h26.2m A16_11075 1172 Aeneas UCAC4-452-046223 Diam = 151.0 m = 11.8 m = 16.6</p>  <p>Dur = 8.3s Dmag = 4.8 Sun: 81° Moon: 129°</p>
<p>2016 nov 7 20h34.3m A16_11083 2494 Inge PPMX 3870430 Diam = 57.7 m = 12.5 m = 14.9</p>  <p>Dur = 4.7s Dmag = 2.5 Sun: 163° Moon: 99°</p>	<p>2016 nov 7 22h12.4m A16_11006 22 Kalliope PPMX 5058407 Diam = 187.0 m = 12.5 m = 10.9</p>  <p>Dur = 29.9s Dmag = 0.2 Sun: 123° Moon: 145°</p>	<p>2016 nov 18 22h49.5m A16_11035 212 Medea UCAC4-546-047336 Diam = 140.0 m = 11.7 m = 13.6</p>  <p>Dur = 17.5s Dmag = 2.0 Sun: 105° Moon: 15°</p>	<p>2016 nov 22 1h 9.6m A16_11055 517 Edith UCAC4-483-051386 Diam = 95.0 m = 11.4 m = 15.1</p>  <p>Dur = 4.9s Dmag = 3.7 Sun: 81° Moon: 2°</p>
<p>2016 nov 24 22h40.5m A16_11072 927 Ratisbona UCAC4-562-003601 Diam = 70.0 m = 10.7 m = 14.8</p>  <p>Dur = 6.4s Dmag = 4.2 Sun: 147° Moon: 157°</p>	<p>2016 nov 26 23h26.3m A16_11074 1001 Gaussia UCAC4-476-046990 Diam = 78.3 m = 11.5 m = 15.5</p>  <p>Dur = 6.5s Dmag = 4.0 Sun: 97° Moon: 71°</p>	<p>2016 nov 26 23h32.6m A16_11054 424 Gratia UCAC4-554-035549 Diam = 90.5 m = 11.3 m = 13.7</p>  <p>Dur = 18.4s Dmag = 2.5 Sun: 139° Moon: 112°</p>	<p>2016 nov 28 3h 9.4m A16_11058 577 Rhea UCAC4-601-021929 Diam = 44.2 m = 12.4 m = 14.6</p>  <p>Dur = 3.2s Dmag = 2.4 Sun: 160° Moon: 145°</p>

Occultations by major and minor planets – 2016

Region 5

<p>2016 dec 3 15h41.6m A16_12011 68 Leto UCAC4-608-030934 Diam = 127.0 m = 12.2 m = 10.9</p>  <p>Dur = 11.1s Dmag = 0.3 Sun: 157° Moon: 153°</p>	<p>2016 dec 3 22h39.2m A16_12095 1008 La Paz UCAC4-585-007586 Diam = 41.0 m = 12.1 m = 14.6</p>  <p>Dur = 3.9s Dmag = 2.6 Sun: 159° Moon: 112°</p>	<p>2016 dec 8 1h24.1m A16_12036 193 Ambrosia UCAC4-687-030473 Diam = 48.3 m = 11.7 m = 11.5</p>  <p>Dur = 9.4s Dmag = 0.7 Sun: 154° Moon: 81°</p>	<p>2016 dec 15 13h40.1m B16_12002 54598 Bienor PPMX 3828109 Diam = 131.8 m = 14.8 m = 19.5</p>  <p>Dur = 7.8s Dmag = 4.8 Sun: 137° Moon: 64°</p>
<p>2016 dec 15 20h42.6m A16_12071 688 Melanie UCAC4-475-005338 Diam = 44.0 m = 12.4 m = 14.9</p>  <p>Dur = 4.8s Dmag = 2.6 Sun: 147° Moon: 56°</p>	<p>2016 dec 18 18h50.5m A16_12099 1071 Brita PPMX 4990843 Diam = 52.7 m = 12.4 m = 13.2</p>  <p>Dur = 5.0s Dmag = 1.2 Sun: 174° Moon: 64°</p>	<p>2016 dec 20 17h38.7m A16_12038 193 Ambrosia UCAC4-683-028990 Diam = 48.3 m = 11.8 m = 11.7</p>  <p>Dur = 10.3s Dmag = 0.7 Sun: 149° Moon: 102°</p>	<p>2016 dec 20 19h54.2m A16_12020 113 Amalthea UCAC4-546-036678 Diam = 47.6 m = 10.3 m = 11.8</p>  <p>Dur = 4.6s Dmag = 1.7 Sun: 164° Moon: 73°</p>
<p>2016 dec 22 20h37.3m A16_12040 206 Hersilia UCAC4-538-044402 Diam = 76.6 m = 12.4 m = 12.6</p>  <p>Dur = 8.3s Dmag = 0.8 Sun: 155° Moon: 85°</p>	<p>2016 dec 24 19h47.8m A16_12008 34 Circe PPMX 6905901 Diam = 118.0 m = 12.4 m = 12.3</p>  <p>Dur = 12.0s Dmag = 0.7 Sun: 156° Moon: 153°</p>	<p>2016 dec 25 19h 4.5m A16_12052 375 Ursula UCAC4-633-043615 Diam = 216.0 m = 12.1 m = 12.6</p>  <p>Dur = 16.4s Dmag = 1.0 Sun: 152° Moon: 116°</p>	