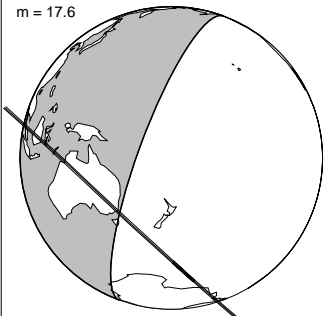
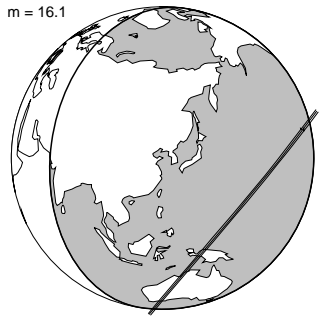
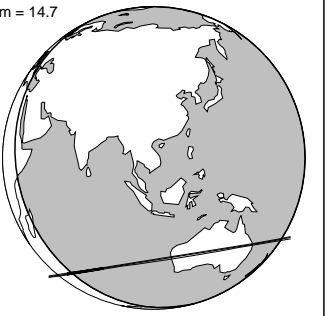
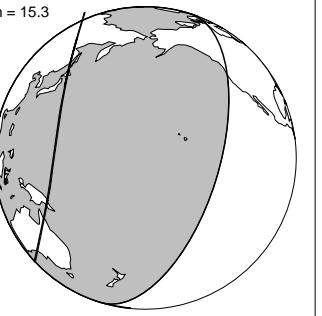
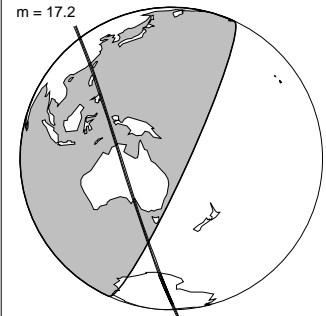
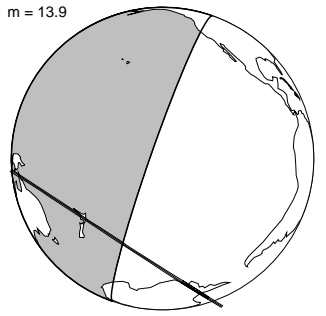
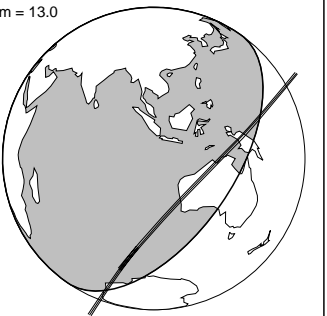
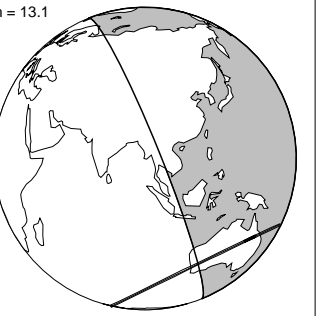
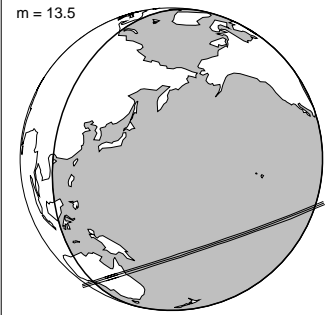
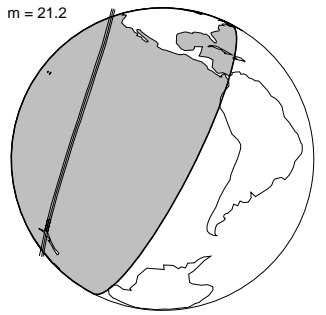
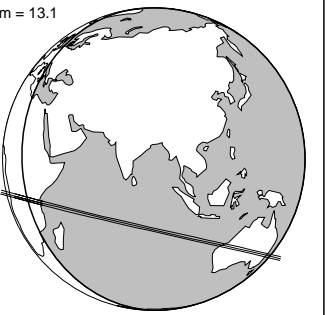
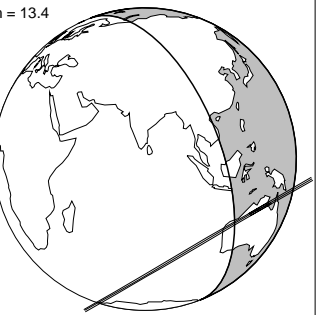
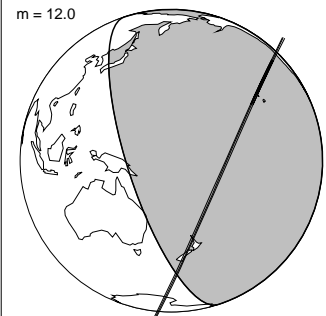
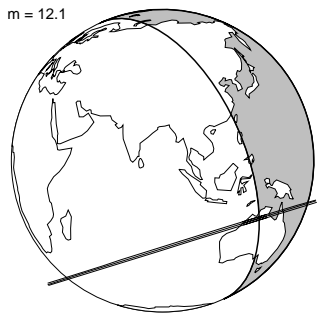
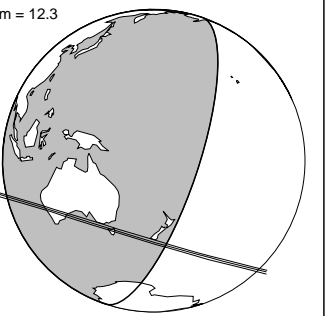
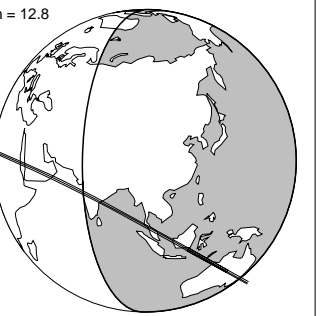


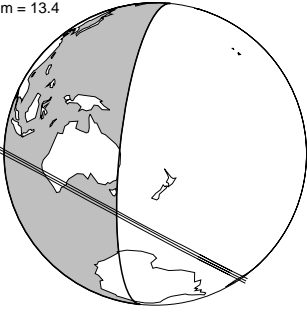
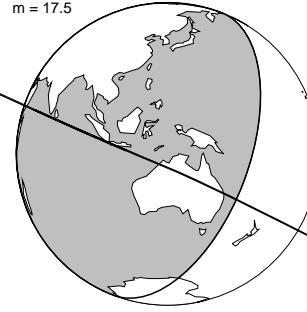
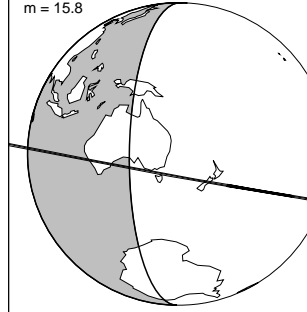
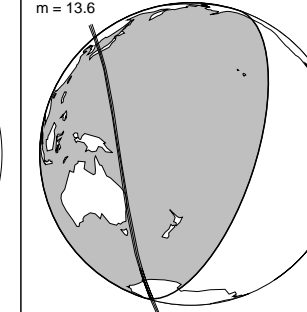
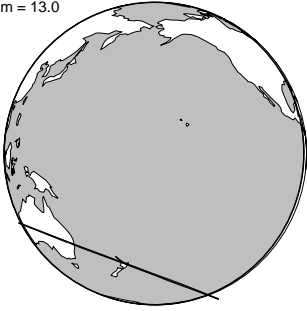
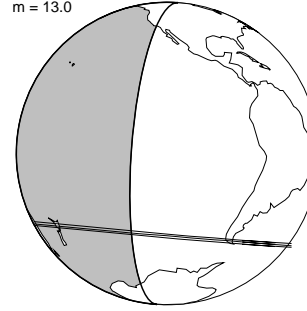
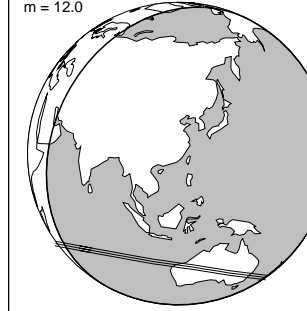
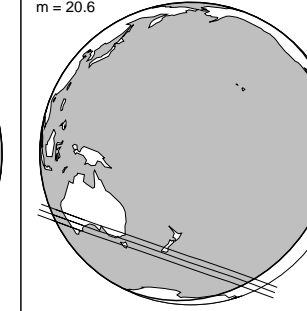
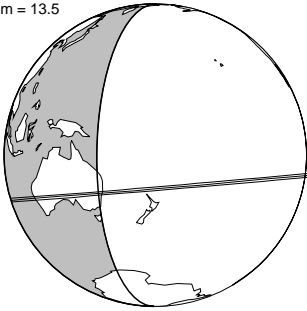
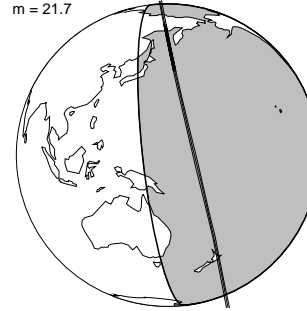
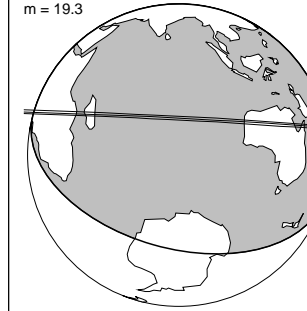
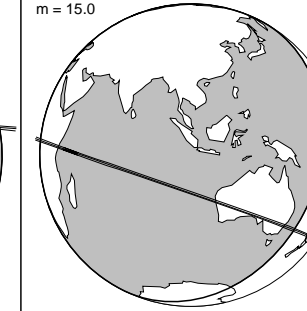
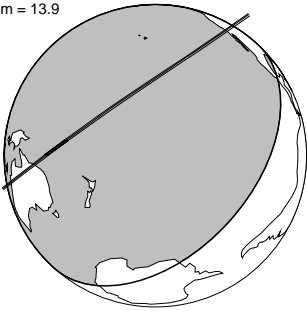
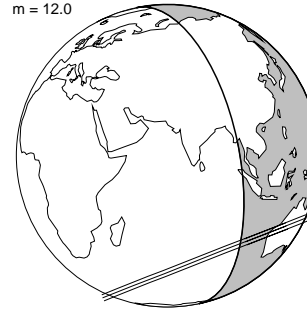
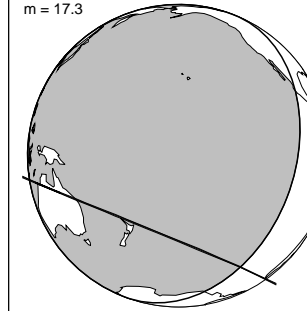
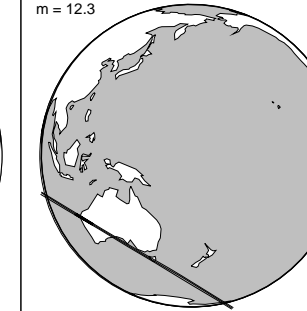
Occultations by major and minor planets – 2015

Region 8

<p>2015 jan 2 18h44.5m A15_01115 2456 Palamedes UCAC4-356-066499 Diam = 103.0 m = 11.8 m = 17.6</p>  <p>Dur = 5.1s Dmag = 5.8 Sun: 77° Moon: 129°</p>	<p>2015 jan 9 12h54.1m A15_01111 1867 Deiphobus UCAC4-636-017432 Diam = 131.0 m = 12.5 m = 16.1</p>  <p>Dur = 8.6s Dmag = 3.6 Sun: 137° Moon: 89°</p>	<p>2015 jan 13 15h21.5m A15_01097 983 Gunila UCAC4-523-019493 Diam = 77.3 m = 10.8 m = 14.7</p>  <p>Dur = 5.9s Dmag = 4.0 Sun: 155° Moon: 116°</p>	<p>2015 jan 15 15h50.1m A15_01082 731 Sorgia UCAC4-515-053792 Diam = 46.6 m = 12.4 m = 15.3</p>  <p>Dur = 13.1s Dmag = 3.0 Sun: 119° Moon: 56°</p>
<p>2015 jan 16 18h53.5m A15_01107 1404 Ajax UCAC4-360-065794 Diam = 92.0 m = 12.1 m = 17.2</p>  <p>Dur = 8.0s Dmag = 5.2 Sun: 96° Moon: 49°</p>	<p>2015 jan 22 15h27.4m A15_01039 227 Philosphia UCAC4-348-071043 Diam = 90.1 m = 12.4 m = 13.9</p>  <p>Dur = 4.1s Dmag = 1.7 Sun: 85° Moon: 115°</p>	<p>2015 jan 23 20h27.0m A15_01078 712 Boliviana UCAC4-378-063038 Diam = 132.0 m = 10.1 m = 13.0</p>  <p>Dur = 32.6s Dmag = 3.0 Sun: 122° Moon: 163°</p>	<p>2015 jan 24 11h 4.0m A15_01041 250 Bettina PPMX 5833750 Diam = 85.5 m = 12.3 m = 13.1</p>  <p>Dur = 4.5s Dmag = 1.2 Sun: 84° Moon: 30°</p>
<p>2015 jan 28 10h31.2m A15_01037 209 Dido UCAC4-615-029457 Diam = 149.0 m = 11.2 m = 13.5</p>  <p>Dur = 16.9s Dmag = 2.4 Sun: 140° Moon: 39°</p>	<p>2015 jan 31 11h31.2m A15_01125 2011FX62 UCAC4-310-071862 Diam = 138.0 m = 12.1 m = 21.2</p>  <p>Dur = 15.5s Dmag = 9.1 Sun: 101° Moon: 113°</p>	<p>2015 feb 3 16h17.7m A15_02031 168 Sibylla PPMX 6076327 Diam = 154.0 m = 12.2 m = 13.1</p>  <p>Dur = 14.6s Dmag = 1.4 Sun: 150° Moon: 26°</p>	<p>2015 feb 5 10h45.7m A15_02012 70 Panopaea UCAC4-472-001417 Diam = 127.0 m = 11.7 m = 13.4</p>  <p>Dur = 3.8s Dmag = 1.9 Sun: 59° Moon: 136°</p>
<p>2015 feb 6 8h34.5m A15_02026 148 Gallia UCAC4-425-006598 Diam = 104.0 m = 12.3 m = 12.0</p>  <p>Dur = 6.1s Dmag = 0.6 Sun: 106° Moon: 95°</p>	<p>2015 feb 9 9h48.9m A15_02004 12 Victoria UCAC4-494-001370 Diam = 117.0 m = 9.6 m = 12.1</p>  <p>Dur = 3.2s Dmag = 2.6 Sun: 57° Moon: 177°</p>	<p>2015 feb 15 17h33.2m A15_02005 19 Fortuna UCAC4-376-068793 Diam = 149.0 m = 12.0 m = 12.3</p>  <p>Dur = 22.5s Dmag = 0.9 Sun: 107° Moon: 62°</p>	<p>2015 feb 16 13h 5.0m A15_02018 81 Terpsichore PPMX 3981128 Diam = 124.0 m = 12.3 m = 12.8</p>  <p>Dur = 15.3s Dmag = 1.0 Sun: 114° Moon: 146°</p>

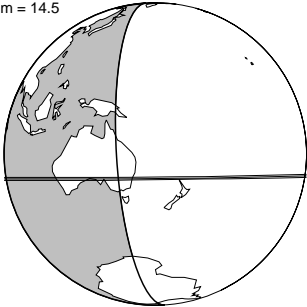
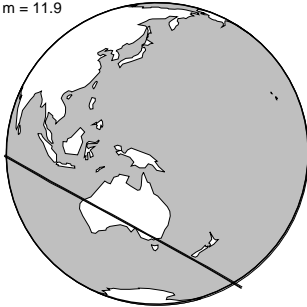
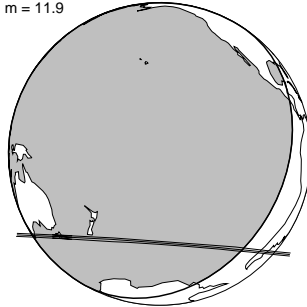
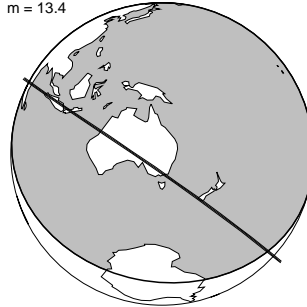
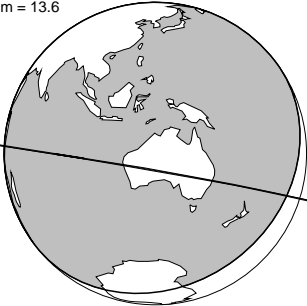
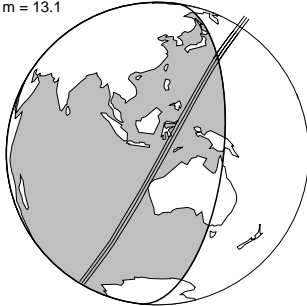
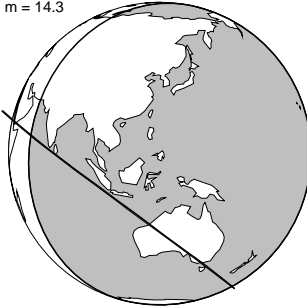
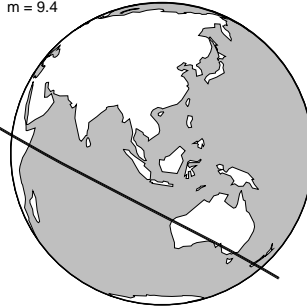
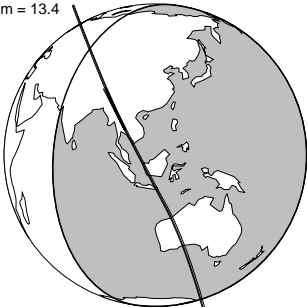
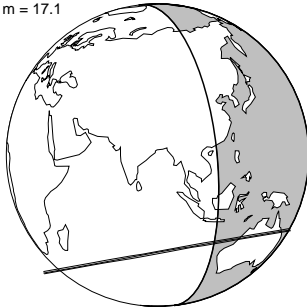
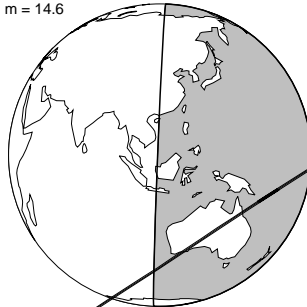
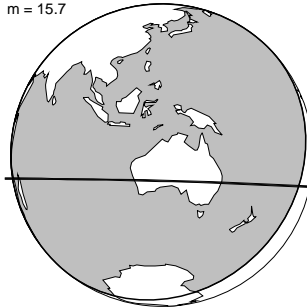
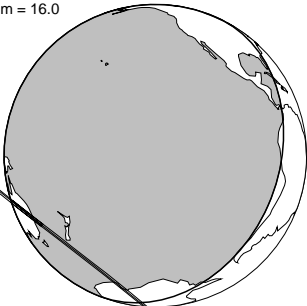
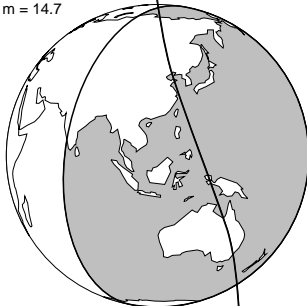
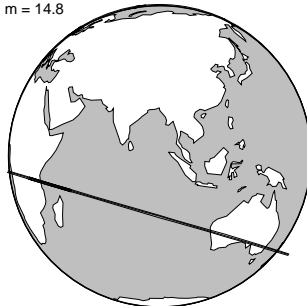
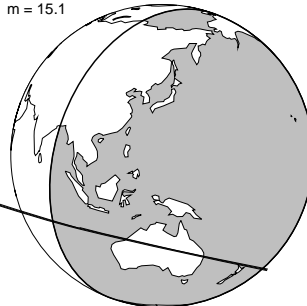
Occultations by major and minor planets – 2015

Region 8

<p>2015 feb 18 19h37.5m A15_02028 154 Bertha UCAC4-306-095210 Diam = 192.0 m = 12.3 m = 13.4</p>  <p>Dur = 7.7s Dmag = 1.4 Sun: 76° Moon: 74°</p>	<p>2015 feb 20 19h13.0m A15_02072 4138 Kalchas UCAC4-393-057914 Diam = 45.7 m = 9.3 m = 17.5</p>  <p>Dur = 13.2s Dmag = 8.2 Sun: 122° Moon: 148°</p>	<p>2015 feb 20 20h50.4m A15_02055 696 Leonora UCAC4-285-124391 Diam = 79.3 m = 12.4 m = 15.8</p>  <p>Dur = 3.4s Dmag = 3.4 Sun: 70° Moon: 97°</p>	<p>2015 feb 21 16h 7.0m A15_02052 595 Polyxena UCAC4-385-064997 Diam = 114.0 m = 11.4 m = 13.6</p>  <p>Dur = 21.0s Dmag = 2.3 Sun: 115° Moon: 153°</p>
<p>2015 feb 23 12h11.3m A15_02024 126 Velleda UCAC4-495-056119 Diam = 46.5 m = 12.3 m = 13.0</p>  <p>Dur = 3.7s Dmag = 1.1 Sun: 169° Moon: 128°</p>	<p>2015 feb 25 14h34.4m A15_02007 24 Themis UCAC4-333-102670 Diam = 160.0 m = 11.9 m = 13.0</p>  <p>Dur = 7.0s Dmag = 1.5 Sun: 76° Moon: 164°</p>	<p>2015 feb 27 14h27.5m A15_02025 128 Nemesis PPMX 5148714 Diam = 194.0 m = 11.9 m = 12.0</p>  <p>Dur = 22.6s Dmag = 0.8 Sun: 146° Moon: 38°</p>	<p>2015 feb 28 13h21.0m B15_02001 26375 1999DE9 UCAC4-421-056375 Diam = 478.6 m = 14.5 m = 20.6</p>  <p>Dur = 21.7s Dmag = 6.1 Sun: 155° Moon: 81°</p>
<p>2015 feb 28 19h51.0m A15_02041 308 Polyxo UCAC4-352-121294 Diam = 148.0 m = 12.1 m = 13.5</p>  <p>Dur = 5.0s Dmag = 1.7 Sun: 67° Moon: 167°</p>	<p>2015 mar 3 8h40.7m A15_03119 2010WG9 UCAC4-472-011647 Diam = 100.0 m = 10.1 m = 21.7</p>  <p>Dur = 5.9s Dmag = 11.6 Sun: 99° Moon: 55°</p>	<p>2015 mar 3 17h41.8m B15_03004 2012DR30 UCAC4-231-044414 Diam = 158.5 m = 13.4 m = 19.3</p>  <p>Dur = 5.3s Dmag = 6.0 Sun: 128° Moon: 55°</p>	<p>2015 mar 3 19h15.3m A15_03094 748 Simeisa HIP 62844 Diam = 107.0 m = 8.8 m = 15.0</p>  <p>Dur = 9.8s Dmag = 6.2 Sun: 147° Moon: 54°</p>
<p>2015 mar 7 12h33.6m A15_03071 506 Marion HIP 65567 Diam = 109.0 m = 8.4 m = 13.9</p>  <p>Dur = 11.5s Dmag = 5.5 Sun: 130° Moon: 33°</p>	<p>2015 mar 9 11h41.0m A15_03012 52 Europa UCAC4-511-005156 Diam = 278.0 m = 12.3 m = 12.0</p>  <p>Dur = 9.0s Dmag = 0.6 Sun: 61° Moon: 159°</p>	<p>2015 mar 9 13h15.7m A15_03115 4138 Kalchas UCAC4-395-056289 Diam = 45.7 m = 11.5 m = 17.3</p>  <p>Dur = 4.5s Dmag = 5.8 Sun: 140° Moon: 3°</p>	<p>2015 mar 12 12h30.7m A15_03014 56 Melete UCAC4-456-049834 Diam = 90.8 m = 12.4 m = 12.3</p>  <p>Dur = 6.4s Dmag = 0.7 Sun: 171° Moon: 83°</p>

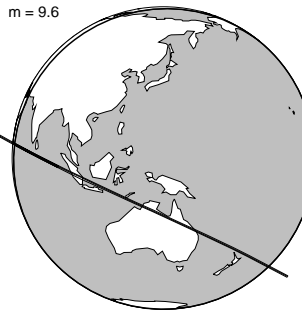
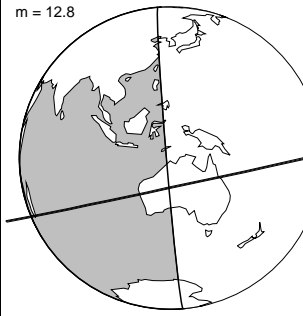
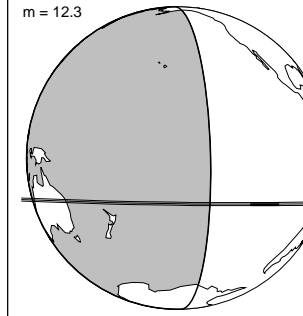
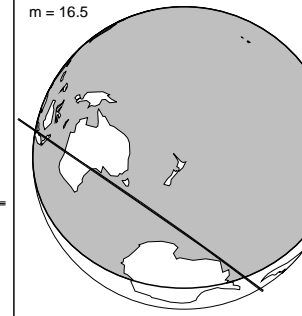
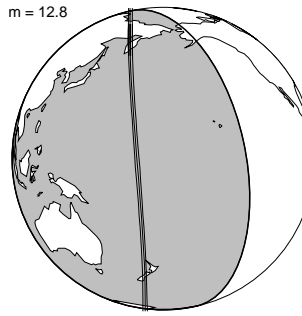
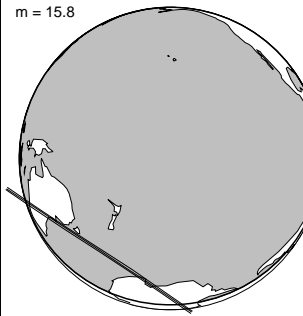
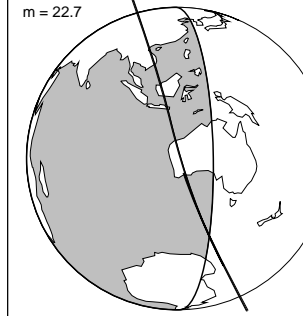
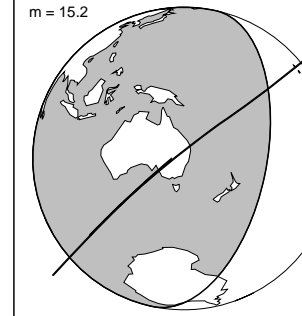
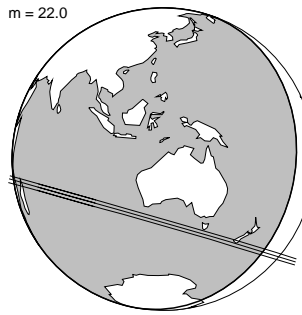
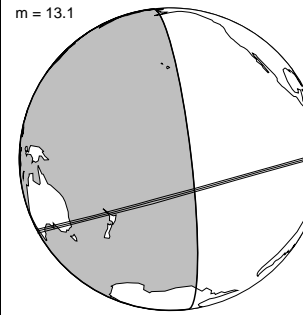
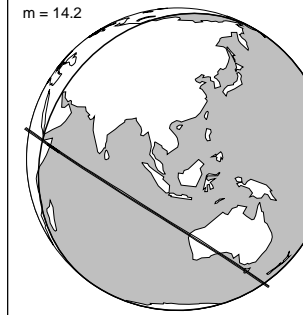
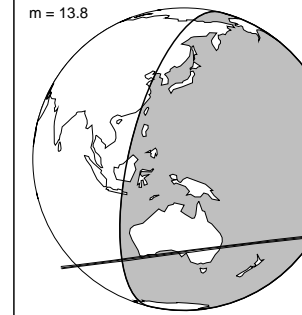
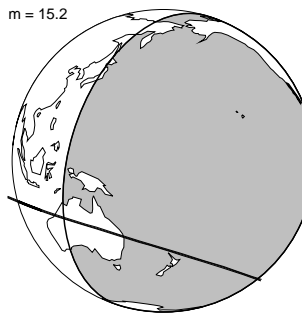
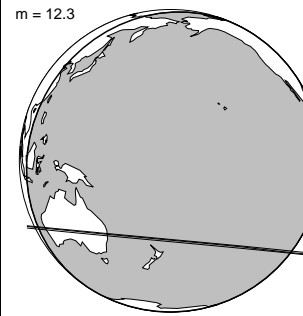
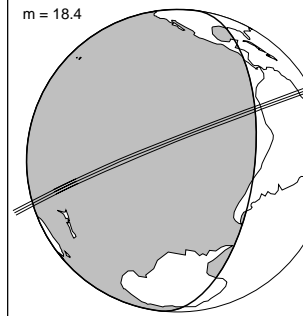
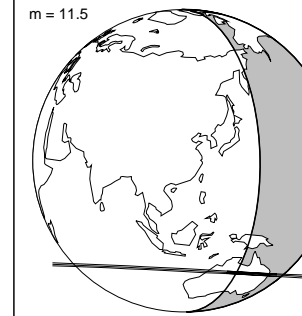
Occultations by major and minor planets – 2015

Region 8

<p>2015 mar 12 20h22.5m A15_03025 91 Aegina UCAC4-325-171544 Diam = 114.0 m = 11.4 m = 14.5</p>  <p>Dur = 4.8s Dmag = 3.1 Sun: 75° Moon: 27°</p>	<p>2015 mar 13 14h38.7m A15_03015 67 Asia UCAC4-432-054451 Diam = 60.0 m = 11.8 m = 11.9</p>  <p>Dur = 4.7s Dmag = 0.8 Sun: 171° Moon: 81°</p>	<p>2015 mar 15 12h 4.0m A15_03029 111 Ate UCAC4-363-065161 Diam = 139.0 m = 12.5 m = 11.9</p>  <p>Dur = 19.9s Dmag = 0.5 Sun: 145° Moon: 79°</p>	<p>2015 mar 16 13h57.1m A15_03108 1264 Letaba UCAC4-300-067273 Diam = 77.5 m = 12.3 m = 13.4</p>  <p>Dur = 6.3s Dmag = 1.4 Sun: 147° Moon: 117°</p>
<p>2015 mar 16 16h47.5m A15_03075 550 Senta UCAC4-343-067700 Diam = 39.8 m = 12.0 m = 13.6</p>  <p>Dur = 3.8s Dmag = 1.9 Sun: 151° Moon: 104°</p>	<p>2015 mar 17 20h32.3m A15_03028 107 Camilla UCAC4-396-062676 Diam = 237.0 m = 12.3 m = 13.1</p>  <p>Dur = 40.7s Dmag = 1.2 Sun: 115° Moon: 80°</p>	<p>2015 mar 18 13h49.7m A15_03055 339 Dorothea UCAC4-493-055256 Diam = 43.7 m = 11.2 m = 14.3</p>  <p>Dur = 3.8s Dmag = 3.2 Sun: 149° Moon: 175°</p>	<p>2015 mar 22 16h54.0m A15_03009 44 Nysa UCAC4-471-046626 Diam = 73.3 m = 12.0 m = 9.4</p>  <p>Dur = 7.7s Dmag = 0.1 Sun: 174° Moon: 148°</p>
<p>2015 mar 25 13h22.6m A15_03079 583 Klotilde UCAC4-474-042860 Diam = 86.0 m = 11.3 m = 13.4</p>  <p>Dur = 27.6s Dmag = 2.3 Sun: 132° Moon: 64°</p>	<p>2015 mar 26 10h39.0m A15_03112 2357 Phereclos TYC 1275-00042-1 Diam = 103.0 m = 12.1 m = 17.1</p>  <p>Dur = 4.4s Dmag = 4.9 Sun: 66° Moon: 13°</p>	<p>2015 mar 26 10h46.6m A15_03068 483 Seppina UCAC4-481-019961 Diam = 73.5 m = 12.0 m = 14.6</p>  <p>Dur = 4.3s Dmag = 2.8 Sun: 90° Moon: 16°</p>	<p>2015 mar 26 16h50.9m A15_03099 1002 Olbersia UCAC4-351-067750 Diam = 57.1 m = 11.6 m = 15.7</p>  <p>Dur = 4.8s Dmag = 4.1 Sun: 154° Moon: 119°</p>
<p>2015 mar 27 11h15.8m A15_03110 1583 Antiochus PPMX 11494768 Diam = 109.0 m = 12.3 m = 16.0</p>  <p>Dur = 7.7s Dmag = 3.7 Sun: 144° Moon: 123°</p>	<p>2015 mar 28 13h 5.9m A15_03059 378 Holmia UCAC4-488-049964 Diam = 31.6 m = 11.4 m = 14.7</p>  <p>Dur = 8.1s Dmag = 3.3 Sun: 127° Moon: 24°</p>	<p>2015 mar 28 17h53.7m A15_03092 721 Tabora TYC 0285-00285-1 Diam = 82.6 m = 12.1 m = 14.8</p>  <p>Dur = 5.3s Dmag = 2.8 Sun: 172° Moon: 71°</p>	<p>2015 mar 29 12h15.3m A15_03103 1074 Beljawsyia UCAC4-525-051127 Diam = 53.8 m = 11.8 m = 15.1</p>  <p>Dur = 12.8s Dmag = 3.3 Sun: 134° Moon: 21°</p>

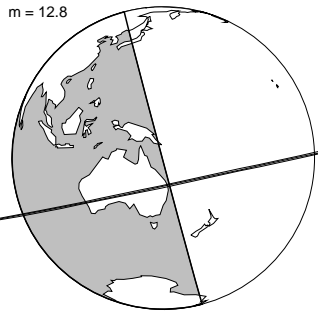
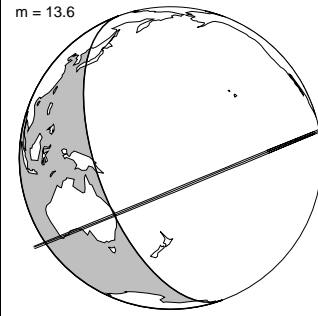
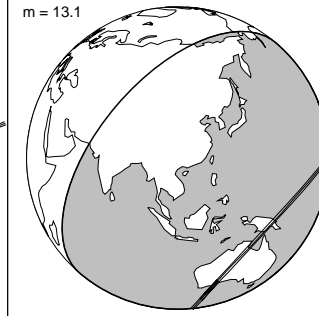
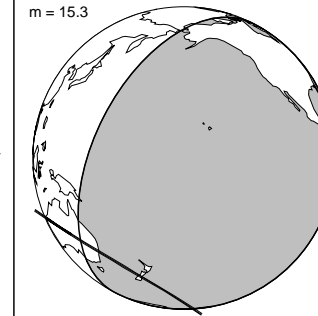
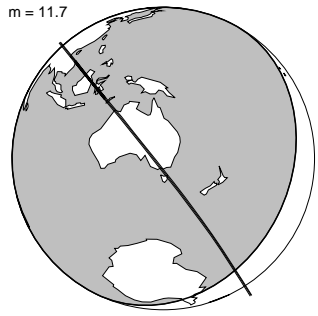
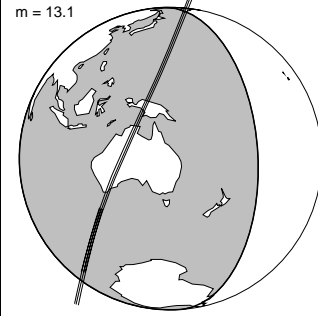
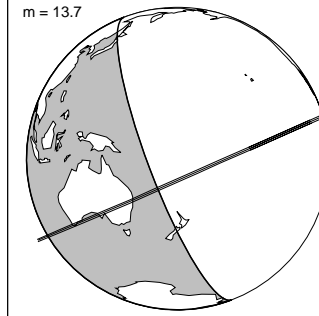
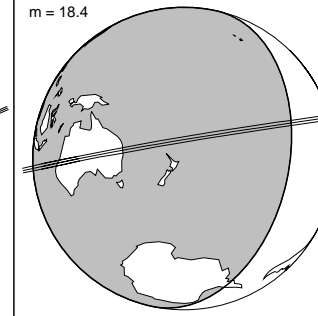
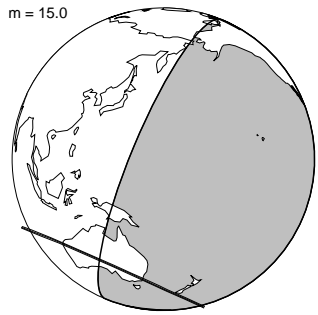
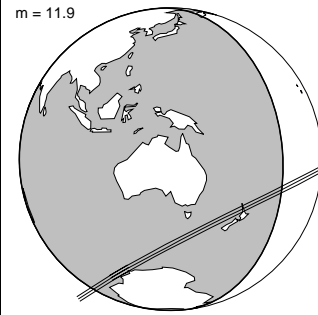
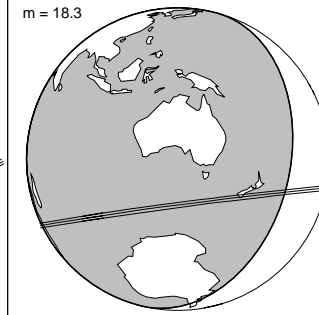
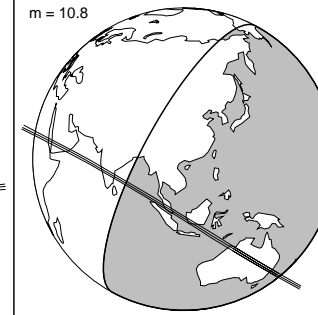
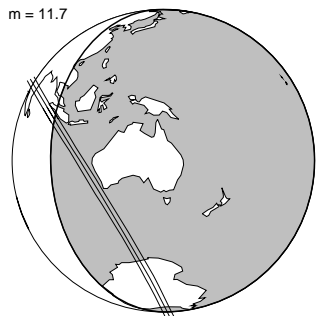
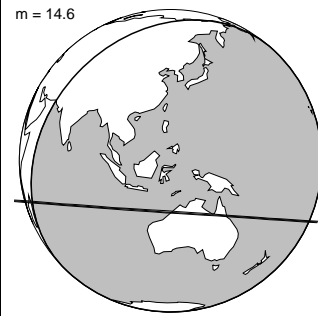
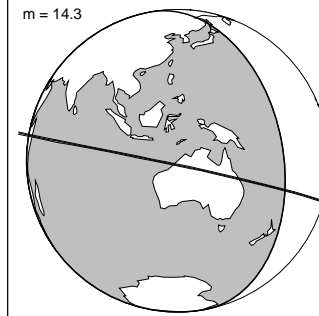
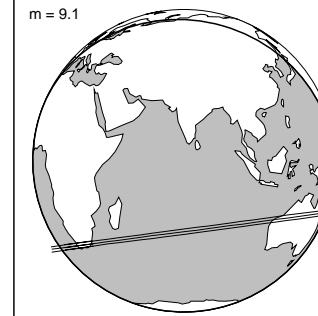
Occultations by major and minor planets – 2015

Region 8

<p>2015 mar 31 14h19.1m A15_03010 44 Nysa UCAC4-476-050608 Diam = 73.3 m = 12.3 m = 9.6</p>  <p>Dur = 8.3s Dmag = 0.1 Sun: 167° Moon: 33°</p>	<p>2015 mar 31 21h46.4m A15_03049 287 Nephthys UCAC4-386-115756 Diam = 70.1 m = 12.0 m = 12.8</p>  <p>Dur = 3.7s Dmag = 1.2 Sun: 88° Moon: 131°</p>	<p>2015 apr 2 15h18.8m A15_04014 92 Undina UCAC4-362-123723 Diam = 132.0 m = 9.8 m = 12.3</p>  <p>Dur = 12.9s Dmag = 2.6 Sun: 102° Moon: 98°</p>	<p>2015 apr 4 12h12.7m A15_04081 7641 1986TT6 UCAC4-269-063710 Diam = 57.5 m = 10.6 m = 16.5</p>  <p>Dur = 3.3s Dmag = 5.9 Sun: 149° Moon: 31°</p>
<p>2015 apr 5 15h41.5m A15_04028 185 Eunike PPMX 7377842 Diam = 165.0 m = 12.1 m = 12.8</p>  <p>Dur = 14.7s Dmag = 1.2 Sun: 122° Moon: 46°</p>	<p>2015 apr 6 10h34.1m A15_04080 2920 Automedon UCAC4-345-067476 Diam = 123.0 m = 12.4 m = 15.8</p>  <p>Dur = 7.0s Dmag = 3.5 Sun: 165° Moon: 22°</p>	<p>2015 apr 7 21h25.2m B15_04004 88269 2001KF77 UCAC4-312-189375 Diam = 52.5 m = 14.6 m = 22.7</p>  <p>Dur = 21.4s Dmag = 8.2 Sun: 103° Moon: 39°</p>	<p>2015 apr 9 17h42.7m A15_04053 543 Charlotte UCAC4-296-104386 Diam = 44.2 m = 10.6 m = 15.2</p>  <p>Dur = 18.1s Dmag = 4.6 Sun: 123° Moon: 14°</p>
<p>2015 apr 10 17h36.2m B15_04007 385437 2003GH55 UCAC4-367-066969 Diam = 288.4 m = 14.9 m = 22.0</p>  <p>Dur = 13.8s Dmag = 7.1 Sun: 150° Moon: 43°</p>	<p>2015 apr 12 15h56.5m A15_04036 308 Polyxo UCAC4-362-174317 Diam = 148.0 m = 11.7 m = 13.1</p>  <p>Dur = 10.6s Dmag = 1.7 Sun: 97° Moon: 14°</p>	<p>2015 apr 13 15h12.1m A15_04037 318 Magdalena UCAC4-486-054180 Diam = 79.0 m = 11.9 m = 14.2</p>  <p>Dur = 7.8s Dmag = 2.5 Sun: 151° Moon: 136°</p>	<p>2015 apr 17 10h24.4m A15_04058 583 Klotilde UCAC4-478-047448 Diam = 86.0 m = 11.9 m = 13.8</p>  <p>Dur = 11.1s Dmag = 2.0 Sun: 111° Moon: 130°</p>
<p>2015 apr 19 9h18.3m A15_04076 1240 Centenaria UCAC4-466-045094 Diam = 60.5 m = 12.4 m = 15.2</p>  <p>Dur = 12.4s Dmag = 2.9 Sun: 128° Moon: 120°</p>	<p>2015 apr 19 10h38.6m A15_04044 454 Mathesis UCAC4-447-053835 Diam = 84.5 m = 11.7 m = 12.3</p>  <p>Dur = 10.2s Dmag = 1.1 Sun: 159° Moon: 150°</p>	<p>2015 apr 24 11h31.9m B15_04002 10199 Chariklo UCAC4-267-153296 Diam = 218.8 m = 14.3 m = 18.4</p>  <p>Dur = 25.7s Dmag = 4.2 Sun: 120° Moon: 157°</p>	<p>2015 apr 28 8h34.0m A15_04003 23 Thalia UCAC4-603-034746 Diam = 111.0 m = 10.6 m = 11.5</p>  <p>Dur = 3.1s Dmag = 1.3 Sun: 59° Moon: 57°</p>

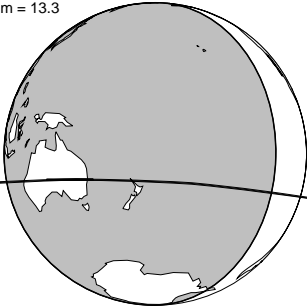
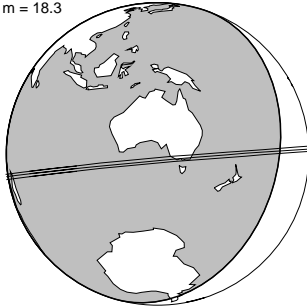
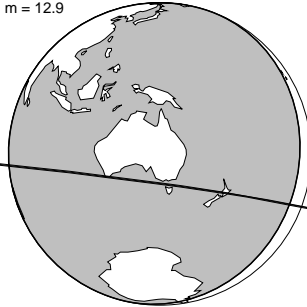
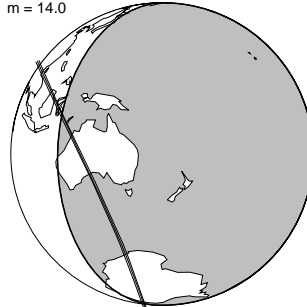
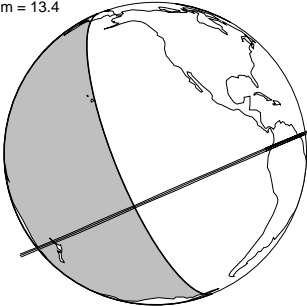
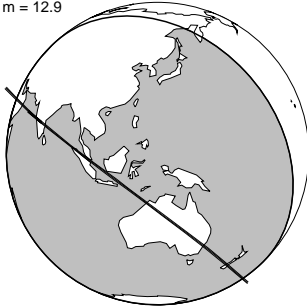
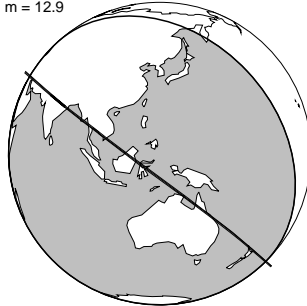
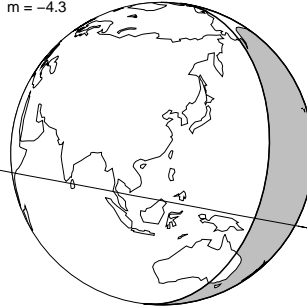
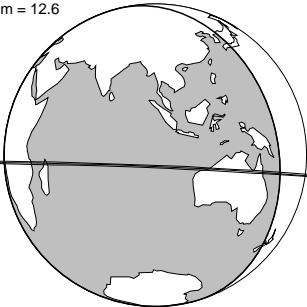
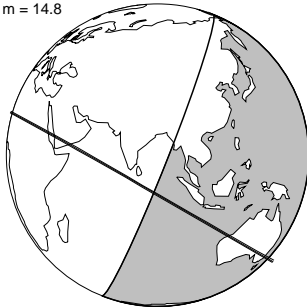
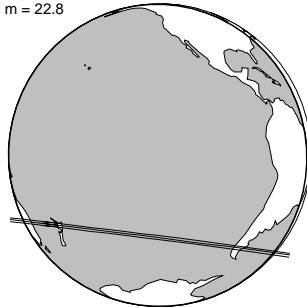
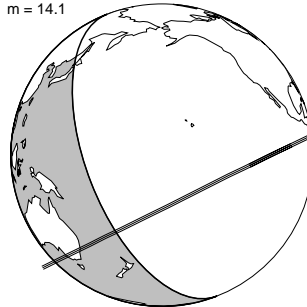
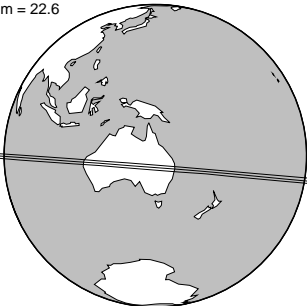
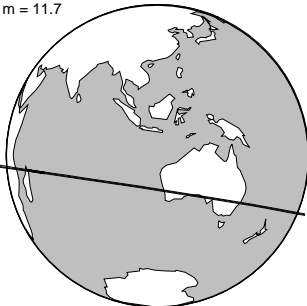
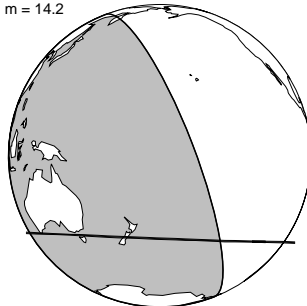
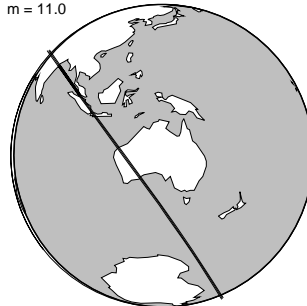
Occultations by major and minor planets – 2015

Region 8

<p>2015 apr 28 20h10.3m A15_04015 100 Hekate UCAC4-372-174712 Diam = 92.0 m = 12.4</p>  <p>Dur = 4.8s Dmag = 1.0 Sun: 89° Moon: 149°</p>	<p>2015 apr 29 20h16.7m A15_04011 74 Galatea UCAC4-423-140035 Diam = 123.0 m = 11.6</p>  <p>Dur = 3.5s Dmag = 2.2 Sun: 60° Moon: 167°</p>	<p>2015 may 3 14h 2.1m A15_05070 776 Berbericia UCAC4-576-048667 Diam = 121.3 m = 13.1</p>  <p>Dur = 13.4s Dmag = 2.5 Sun: 122° Moon: 51°</p>	<p>2015 may 4 7h48.9m A15_05028 217 Eudora UCAC4-493-057780 Diam = 69.7 m = 15.3</p>  <p>Dur = 13.3s Dmag = 5.7 Sun: 126° Moon: 55°</p>
<p>2015 may 5 16h11.3m A15_05074 914 Palisana PPMX 13638343 Diam = 79.0 m = 11.7</p>  <p>Dur = 9.3s Dmag = 0.6 Sun: 147° Moon: 20°</p>	<p>2015 may 6 17h54.7m A15_05023 145 Adeona UCAC4-325-188246 Diam = 155.0 m = 13.1</p>  <p>Dur = 33.6s Dmag = 1.6 Sun: 125° Moon: 25°</p>	<p>2015 may 7 19h30.9m A15_05027 200 Dynamene UCAC4-380-166103 Diam = 132.0 m = 13.7</p>  <p>Dur = 5.6s Dmag = 3.3 Sun: 78° Moon: 58°</p>	<p>2015 may 8 15h 1.8m B15_05002 10199 Chariklo UCAC4-267-151252 Diam = 218.8 m = 14.3</p>  <p>Dur = 15.9s Dmag = 4.1 Sun: 134° Moon: 21°</p>
<p>2015 may 10 8h31.7m A15_05052 479 Caprera UCAC4-532-049905 Diam = 77.5 m = 15.0</p>  <p>Dur = 8.2s Dmag = 3.2 Sun: 102° Moon: 152°</p>	<p>2015 may 12 17h43.9m A15_05049 451 Patientia UCAC4-347-130993 Diam = 230.0 m = 12.4</p>  <p>Dur = 31.0s Dmag = 0.5 Sun: 137° Moon: 65°</p>	<p>2015 may 12 17h59.3m B15_05001 10199 Chariklo UCAC4-267-150325 Diam = 218.8 m = 18.3</p>  <p>Dur = 14.4s Dmag = 3.8 Sun: 137° Moon: 68°</p>	<p>2015 may 13 12h30.7m A15_05039 354 Eleonora PPMX 6235085 Diam = 162.0 m = 12.4</p>  <p>Dur = 18.5s Dmag = 0.2 Sun: 106° Moon: 160°</p>
<p>2015 may 14 11h18.7m A15_05067 704 Interamnia UCAC4-318-069578 Diam = 333.0 m = 11.7</p>  <p>Dur = 28.5s Dmag = 2.4 Sun: 138° Moon: 155°</p>	<p>2015 may 14 14h 6.9m A15_05051 464 Megaira UCAC4-466-049601 Diam = 76.5 m = 11.8</p>  <p>Dur = 6.5s Dmag = 2.9 Sun: 147° Moon: 157°</p>	<p>2015 may 15 18h52.9m A15_05025 163 Erigone UCAC4-368-146402 Diam = 76.0 m = 14.3</p>  <p>Dur = 14.1s Dmag = 2.3 Sun: 134° Moon: 103°</p>	<p>2015 may 16 19h19.2m A15_05057 532 Herculina UCAC4-460-056809 Diam = 216.5 m = 12.5</p>  <p>Dur = 21.1s Dmag = 0.0 Sun: 158° Moon: 153°</p>

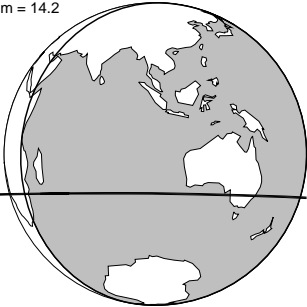
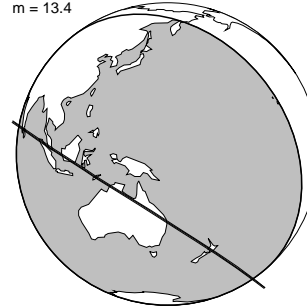
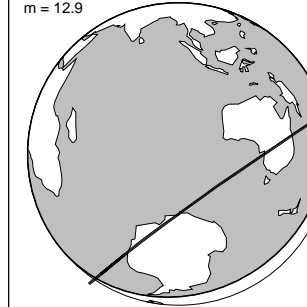
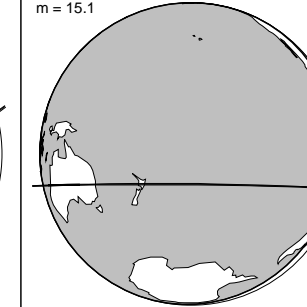
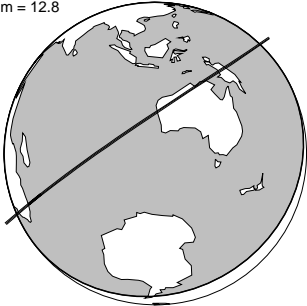
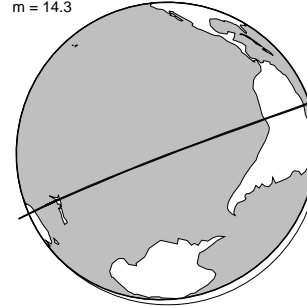
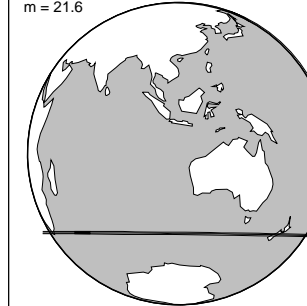
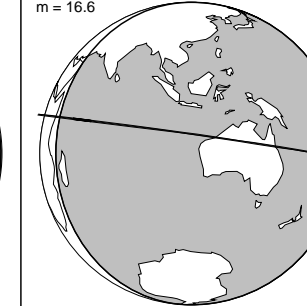
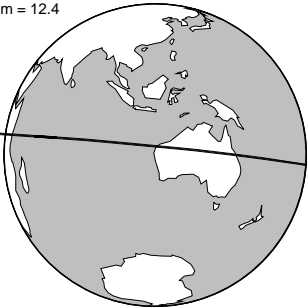
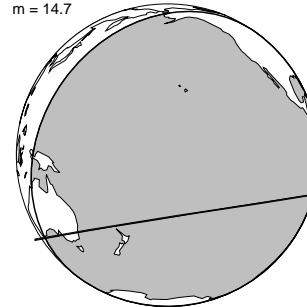
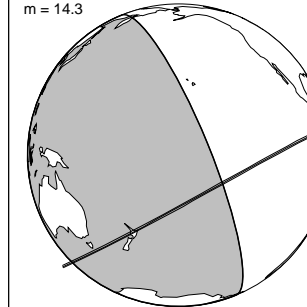
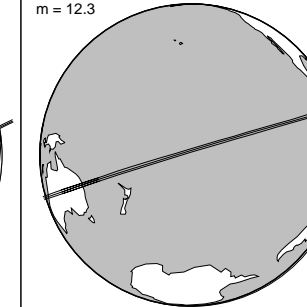
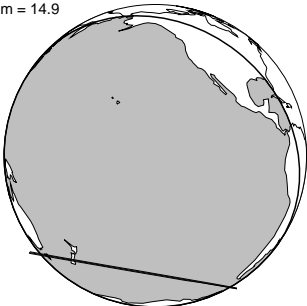
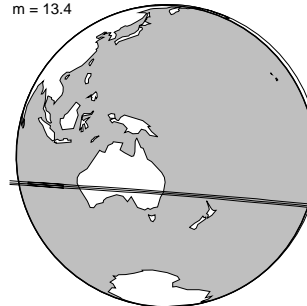
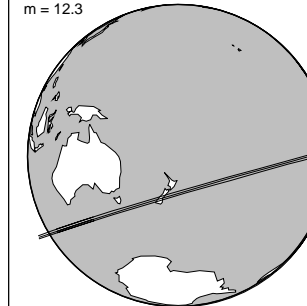
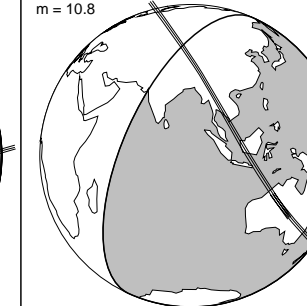
Occultations by major and minor planets – 2015

Region 8

<p>2015 may 17 14h17.7m A15_05020 142 Polana UCAC4-323-146078 Diam = 57.0 m = 12.3</p>  <p>Dur = 18.3s Dmag = 1.4 Sun: 142° Moon: 135°</p>	<p>2015 may 17 17h32.6m B15_05003 10199 Chariklo UCAC4-267-149103 Diam = 218.8 m = 14.7</p>  <p>Dur = 13.1s Dmag = 3.7 Sun: 142° Moon: 136°</p>	<p>2015 may 18 16h 2.2m A15_05037 338 Budrosa UCAC4-310-115315 Diam = 62.1 m = 11.4</p>  <p>Dur = 6.1s Dmag = 1.7 Sun: 156° Moon: 161°</p>	<p>2015 may 22 9h40.1m A15_05053 506 Marion UCAC4-310-069610 Diam = 109.0 m = 11.3</p>  <p>Dur = 13.7s Dmag = 2.8 Sun: 133° Moon: 84°</p>
<p>2015 may 25 15h43.0m A15_05011 74 Galatea TYC 5243-01100-1 Diam = 123.0 m = 13.4</p>  <p>Dur = 4.3s Dmag = 1.6 Sun: 74° Moon: 164°</p>	<p>2015 may 25 17h10.4m A15_05033 304 Olga UCAC4-471-068718 Diam = 68.5 m = 12.0</p>  <p>Dur = 10.7s Dmag = 1.3 Sun: 142° Moon: 115°</p>	<p>2015 may 25 17h21.1m A15_05032 304 Olga UCAC4-471-068717 Diam = 68.5 m = 11.6</p>  <p>Dur = 10.7s Dmag = 1.6 Sun: 142° Moon: 115°</p>	<p>2015 may 29 7h24.7m P15_05002 Venus HIP 37269 Diam = 12104.0 m = -4.3</p>  <p>Dur = 508.3s Dmag = 0.0 Sun: 45° Moon: 84°</p>
<p>2015 may 30 19h56.8m A15_05018 114 Cassandra UCAC4-371-156009 Diam = 103.0 m = 11.7</p>  <p>Dur = 13.8s Dmag = 1.3 Sun: 144° Moon: 69°</p>	<p>2015 may 31 12h10.9m A15_05046 447 Valentine UCAC4-520-051528 Diam = 82.0 m = 12.0</p>  <p>Dur = 4.6s Dmag = 2.9 Sun: 85° Moon: 68°</p>	<p>2015 jun 1 9h20.3m B15_06011 2002GA32 UCAC4-360-103681 Diam = 166.0 m = 14.9</p>  <p>Dur = 7.1s Dmag = 7.9 Sun: 165° Moon: 29°</p>	<p>2015 jun 5 19h 6.9m A15_06039 212 Medea UCAC4-492-001272 Diam = 140.0 m = 11.1</p>  <p>Dur = 4.3s Dmag = 3.1 Sun: 59° Moon: 81°</p>
<p>2015 jun 6 14h18.5m B15_06012 2005LA54 UCAC4-334-086430 Diam = 208.9 m = 14.8</p>  <p>Dur = 8.5s Dmag = 7.8 Sun: 179° Moon: 50°</p>	<p>2015 jun 6 16h46.3m A15_06011 79 Eurynome UCAC4-364-082970 Diam = 68.0 m = 12.1</p>  <p>Dur = 5.2s Dmag = 0.6 Sun: 173° Moon: 47°</p>	<p>2015 jun 7 16h41.8m A15_06050 402 Chloë UCAC4-395-129811 Diam = 57.6 m = 12.2</p>  <p>Dur = 6.1s Dmag = 2.2 Sun: 103° Moon: 13°</p>	<p>2015 jun 8 14h12.0m A15_06086 914 Palisana UCAC4-325-083825 Diam = 79.0 m = 11.2</p>  <p>Dur = 5.9s Dmag = 0.6 Sun: 168° Moon: 87°</p>

Occultations by major and minor planets – 2015

Region 8

<p>2015 jun 8 15h14.3m A15_06082 845 Naema UCAC4-336-074025 Diam = 57.5 m = 10.8</p>  <p>Dur = 5.6s Dmag = 3.5 Sun: 152° Moon: 103°</p>	<p>2015 jun 8 15h44.3m A15_06065 631 Philippina UCAC4-448-096591 Diam = 75.9 m = 12.1</p>  <p>Dur = 6.4s Dmag = 1.6 Sun: 143° Moon: 49°</p>	<p>2015 jun 8 18h33.6m A15_06073 735 Marghanna UCAC4-237-140719 Diam = 77.0 m = 12.2</p>  <p>Dur = 6.8s Dmag = 1.1 Sun: 157° Moon: 68°</p>	<p>2015 jun 9 11h38.4m A15_06097 1285 Julietta UCAC4-301-199583 Diam = 45.5 m = 11.8</p>  <p>Dur = 3.9s Dmag = 3.3 Sun: 164° Moon: 74°</p>
<p>2015 jun 9 17h16.9m A15_06075 735 Marghanna PPMX 14687312 Diam = 77.0 m = 12.1</p>  <p>Dur = 6.8s Dmag = 1.2 Sun: 157° Moon: 80°</p>	<p>2015 jun 12 8h26.7m A15_06054 448 Natalie UCAC4-257-149982 Diam = 49.7 m = 12.5</p>  <p>Dur = 4.5s Dmag = 2.0 Sun: 161° Moon: 114°</p>	<p>2015 jun 14 17h12.8m A15_06103 10370 Hylonome UCAC4-355-119817 Diam = 104.7 m = 11.4</p>  <p>Dur = 4.6s Dmag = 10.2 Sun: 172° Moon: 150°</p>	<p>2015 jun 15 14h42.5m A15_06034 155 Scylla UCAC4-320-080875 Diam = 49.5 m = 11.9</p>  <p>Dur = 3.9s Dmag = 4.7 Sun: 153° Moon: 162°</p>
<p>2015 jun 15 16h41.7m A15_06023 142 Polana UCAC4-324-117414 Diam = 57.0 m = 12.4</p>  <p>Dur = 7.0s Dmag = 0.8 Sun: 175° Moon: 163°</p>	<p>2015 jun 17 9h 0.3m A15_06040 282 Clorinde UCAC4-422-063139 Diam = 40.0 m = 10.3</p>  <p>Dur = 4.7s Dmag = 4.4 Sun: 147° Moon: 141°</p>	<p>2015 jun 17 16h 9.4m A15_06042 303 Josephina UCAC4-408-144829 Diam = 103.0 m = 11.4</p>  <p>Dur = 9.8s Dmag = 3.0 Sun: 101° Moon: 115°</p>	<p>2015 jun 18 10h40.3m A15_06027 145 Adeona UCAC4-310-201906 Diam = 155.0 m = 12.4</p>  <p>Dur = 11.2s Dmag = 0.7 Sun: 171° Moon: 162°</p>
<p>2015 jun 19 10h38.9m A15_06083 904 Rockefelleria UCAC4-445-097660 Diam = 62.5 m = 8.3</p>  <p>Dur = 5.1s Dmag = 6.6 Sun: 150° Moon: 158°</p>	<p>2015 jun 19 14h33.8m A15_06051 420 Bertholda UCAC4-361-163023 Diam = 146.0 m = 11.6</p>  <p>Dur = 11.0s Dmag = 2.0 Sun: 166° Moon: 156°</p>	<p>2015 jun 20 12h27.1m A15_06026 145 Adeona UCAC4-309-197082 Diam = 155.0 m = 11.8</p>  <p>Dur = 11.1s Dmag = 1.0 Sun: 172° Moon: 138°</p>	<p>2015 jun 20 13h51.0m A15_06002 11 Parthenope UCAC4-429-056641 Diam = 162.0 m = 12.1</p>  <p>Dur = 39.1s Dmag = 0.3 Sun: 116° Moon: 70°</p>

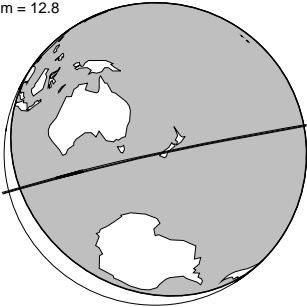
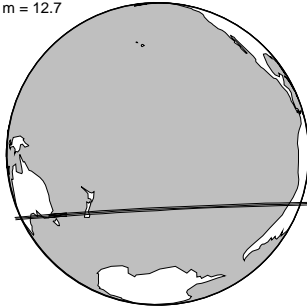
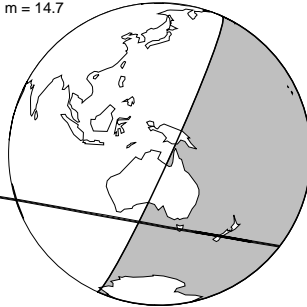
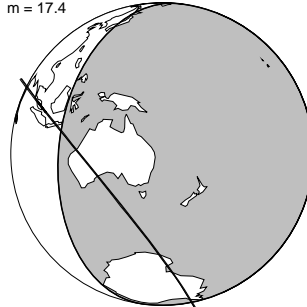
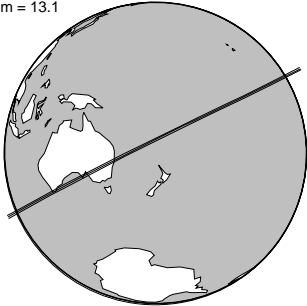
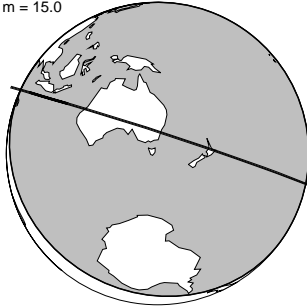
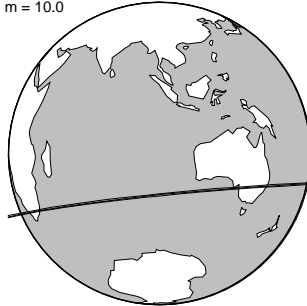
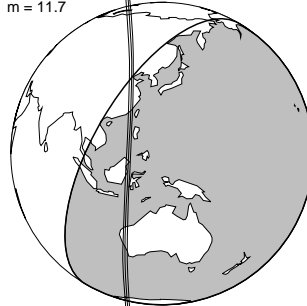
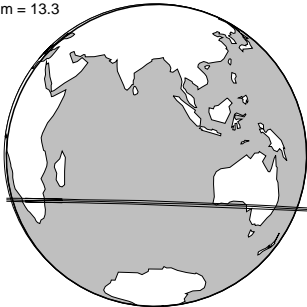
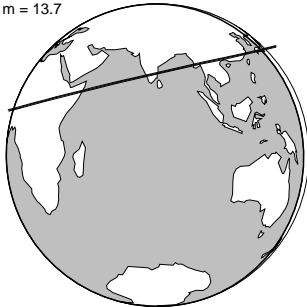
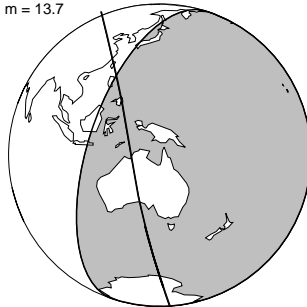
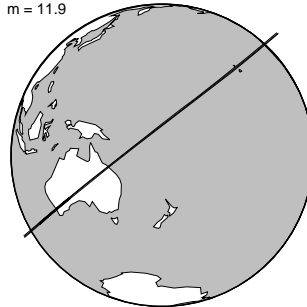
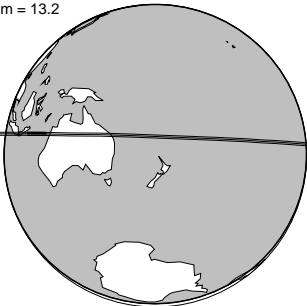
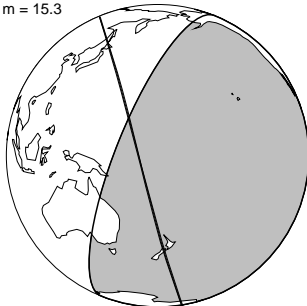
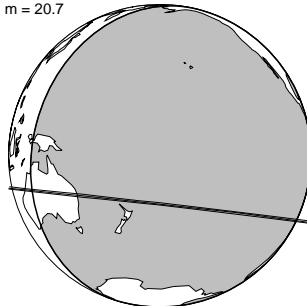
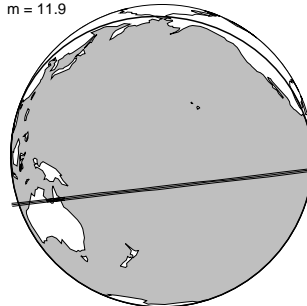
Occultations by major and minor planets – 2015

Region 8

<p>2015 jun 21 14h51.9m B15_06013 2009MF10 UCAC4-322-216766 Diam = 251.2 m = 14.3 m = 22.0</p> <p>Dur = 13.3s Dmag = 7.7 Sun: 142° Moon: 156°</p>	<p>2015 jun 22 16h 2.2m A15_06032 153 Hilda UCAC4-369-107258 Diam = 175.0 m = 11.1 m = 12.3</p> <p>Dur = 14.2s Dmag = 1.5 Sun: 172° Moon: 106°</p>	<p>2015 jun 23 14h58.0m A15_06020 117 Lomia UCAC4-235-176331 Diam = 154.0 m = 11.3 m = 12.5</p> <p>Dur = 13.1s Dmag = 1.5 Sun: 156° Moon: 110°</p>	<p>2015 jun 24 17h41.6m A15_06047 385 Ilmatar UCAC4-233-156709 Diam = 94.1 m = 11.7</p> <p>Dur = 7.9s Dmag = 0.6 Sun: 159° Moon: 86°</p>
<p>2015 jun 25 7h53.4m A15_06006 44 Nysa UCAC4-462-048948 Diam = 73.3 m = 10.3 m = 11.4</p> <p>Dur = 3.9s Dmag = 1.4 Sun: 89° Moon: 10°</p>	<p>2015 jun 26 15h38.5m A15_06095 1256 Normanna HIP 70923 Diam = 78.0 m = 7.2 m = 15.9</p> <p>Dur = 24.9s Dmag = 8.8 Sun: 125° Moon: 12°</p>	<p>2015 jun 27 13h27.8m A15_06076 735 Marghanna PPMX 14666608 Diam = 77.0 m = 12.1 m = 12.7</p> <p>Dur = 7.3s Dmag = 1.1 Sun: 156° Moon: 51°</p>	<p>2015 jun 27 16h 2.2m A15_06009 57 Mnemosyne UCAC4-456-106930 Diam = 116.0 m = 11.9 m = 12.1</p> <p>Dur = 11.0s Dmag = 0.9 Sun: 145° Moon: 82°</p>
<p>2015 jun 27 17h26.3m A15_06007 51 Nemausa UCAC4-422-067567 Diam = 152.3 m = 12.3 m = 10.7</p> <p>Dur = 18.9s Dmag = 0.2 Sun: 152° Moon: 34°</p>	<p>2015 jun 28 17h54.8m A15_06055 469 Argentina UCAC4-279-211184 Diam = 129.0 m = 12.4 m = 13.3</p> <p>Dur = 10.3s Dmag = 1.3 Sun: 161° Moon: 57°</p>	<p>2015 jun 29 7h14.9m B15_06003 85627 1998HP151 UCAC4-337-082598 Diam = 138.0 m = 14.7 m = 23.6</p> <p>Dur = 6.3s Dmag = 8.9 Sun: 155° Moon: 11°</p>	<p>2015 jun 29 16h52.6m A15_06104 134340 Pluto UCAC4-347-165728 Diam = 2344.0 m = 12.1 m = 14.4</p> <p>Dur = 98.2s Dmag = 2.4 Sun: 172° Moon: 37°</p>
<p>2015 jun 30 10h27.0m A15_06089 954 Li UCAC4-345-089737 Diam = 59.7 m = 11.8 m = 13.9</p> <p>Dur = 6.8s Dmag = 2.2 Sun: 158° Moon: 3°</p>	<p>2015 jun 30 12h28.0m A15_06044 308 Polyxo UCAC4-371-150268 Diam = 148.0 m = 11.1 m = 11.6</p> <p>Dur = 14.0s Dmag = 1.0 Sun: 171° Moon: 24°</p>	<p>2015 jun 30 13h53.4m B15_06001 10199 Chariklo UCAC4-267-134387 Diam = 218.8 m = 14.6 m = 18.2</p> <p>Dur = 10.0s Dmag = 3.6 Sun: 164° Moon: 21°</p>	<p>2015 jun 30 18h 6.0m A15_06028 145 Adeona PPMX 12685032 Diam = 155.0 m = 12.3</p> <p>Dur = 11.3s Dmag = 0.7 Sun: 171° Moon: 15°</p>

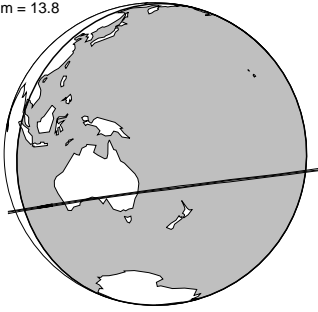
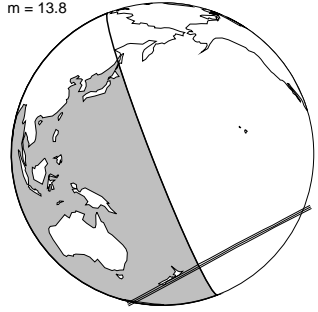
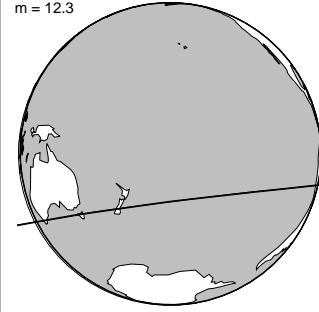
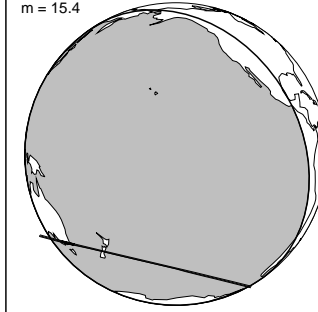
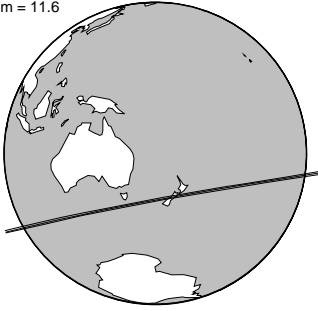
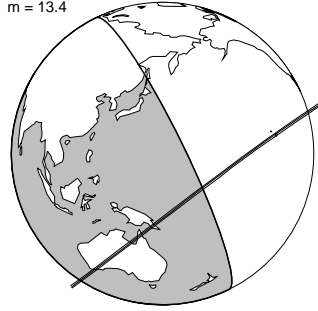
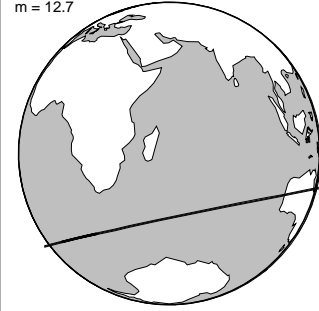
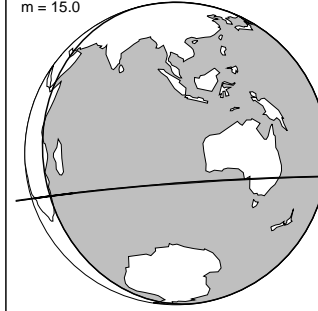
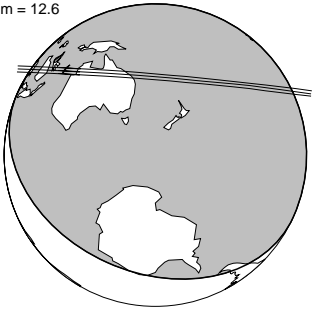
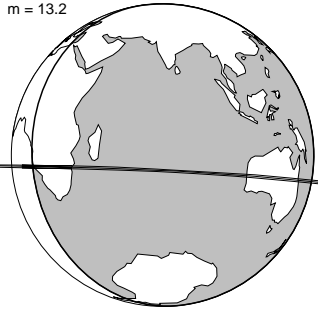
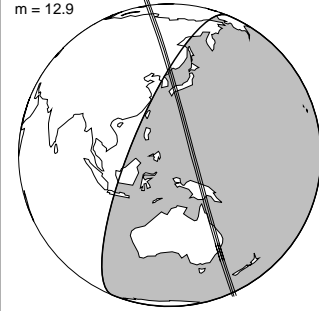
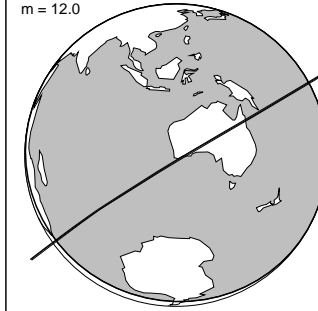
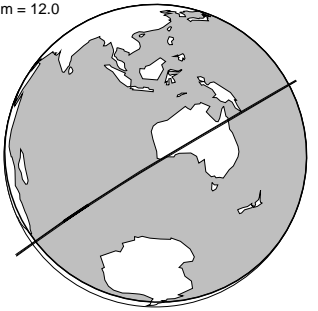
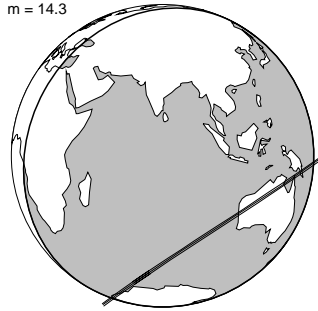
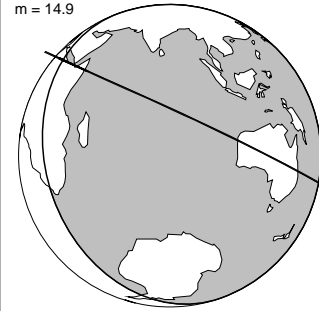
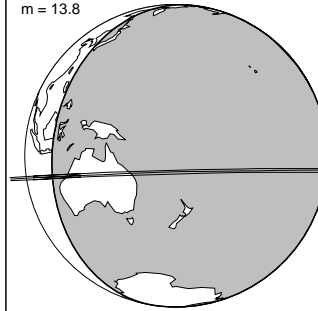
Occultations by major and minor planets – 2015

Region 8

<p>2015 jul 2 11h52.9m A15_07067 735 Marghanna UCAC4-224-140415 Diam = 77.0 m = 11.7 m = 12.8</p>  <p>Dur = 7.8s Dmag = 1.4 Sun: 153° Moon: 34°</p>	<p>2015 jul 4 9h42.8m A15_07008 91 Aegina UCAC4-318-201403 Diam = 114.0 m = 11.9 m = 12.7</p>  <p>Dur = 9.1s Dmag = 1.2 Sun: 174° Moon: 36°</p>	<p>2015 jul 5 8h19.3m A15_07062 607 Jenny UCAC4-386-060018 Diam = 65.5 m = 9.7 m = 14.7</p>  <p>Dur = 3.3s Dmag = 5.0 Sun: 86° Moon: 137°</p>	<p>2015 jul 6 10h12.1m A15_07092 21601 1998XO89 UCAC4-317-079268 Diam = 43.7 m = 10.9 m = 17.4</p>  <p>Dur = 4.2s Dmag = 6.5 Sun: 133° Moon: 104°</p>
<p>2015 jul 6 12h21.7m A15_07072 814 Tauris PPMX 13735235 Diam = 116.0 m = 12.5 m = 13.1</p>  <p>Dur = 7.6s Dmag = 1.1 Sun: 171° Moon: 64°</p>	<p>2015 jul 6 13h16.1m A15_07083 1282 Utopia UCAC4-236-153651 Diam = 55.7 m = 11.5 m = 15.0</p>  <p>Dur = 3.9s Dmag = 3.5 Sun: 157° Moon: 73°</p>	<p>2015 jul 6 17h55.7m A15_07015 135 Hertha UCAC4-321-218017 Diam = 82.0 m = 9.3 m = 10.0</p>  <p>Dur = 13.1s Dmag = 1.1 Sun: 172° Moon: 57°</p>	<p>2015 jul 8 11h34.7m A15_07028 194 Prokne UCAC4-493-063912 Diam = 174.0 m = 9.8 m = 11.7</p>  <p>Dur = 23.2s Dmag = 2.1 Sun: 116° Moon: 138°</p>
<p>2015 jul 8 17h28.3m A15_07047 420 Bertholda PPMX 11665778 Diam = 146.0 m = 12.3 m = 13.3</p>  <p>Dur = 10.9s Dmag = 1.4 Sun: 168° Moon: 98°</p>	<p>2015 jul 9 19h49.8m A15_07051 468 Lina UCAC4-349-183453 Diam = 71.7 m = 12.4 m = 13.7</p>  <p>Dur = 7.8s Dmag = 1.6 Sun: 164° Moon: 88°</p>	<p>2015 jul 10 10h24.6m A15_07030 197 Arete UCAC4-382-067201 Diam = 32.0 m = 11.3 m = 13.7</p>  <p>Dur = 7.2s Dmag = 2.6 Sun: 118° Moon: 172°</p>	<p>2015 jul 10 12h24.2m A15_07063 679 Pax PPMX 11705391 Diam = 65.5 m = 12.5 m = 11.9</p>  <p>Dur = 4.6s Dmag = 0.5 Sun: 174° Moon: 115°</p>
<p>2015 jul 10 12h48.4m A15_07052 469 Argentina UCAC4-279-209623 Diam = 129.0 m = 11.8 m = 13.2</p>  <p>Dur = 9.6s Dmag = 1.7 Sun: 167° Moon: 111°</p>	<p>2015 jul 12 7h49.5m A15_07076 986 Amelia UCAC4-436-059600 Diam = 53.0 m = 12.4 m = 15.3</p>  <p>Dur = 5.8s Dmag = 3.0 Sun: 105° Moon: 151°</p>	<p>2015 jul 13 9h 2.2m B15_07004 2010LO33 UCAC4-367-080432 Diam = 100.0 m = 13.8 m = 20.7</p>  <p>Dur = 5.7s Dmag = 6.8 Sun: 147° Moon: 178°</p>	<p>2015 jul 13 11h49.5m A15_07006 57 Mnemosyne UCAC4-456-103914 Diam = 116.0 m = 11.3 m = 11.9</p>  <p>Dur = 9.1s Dmag = 1.1 Sun: 156° Moon: 137°</p>

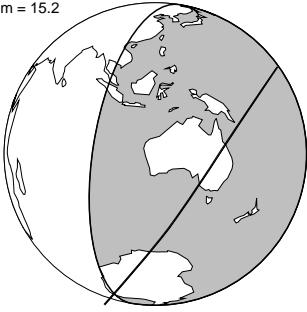
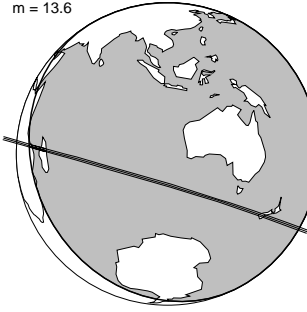
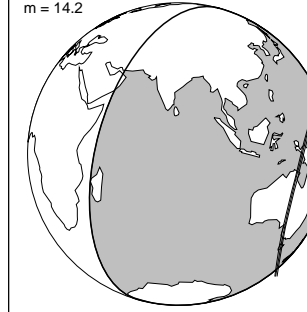
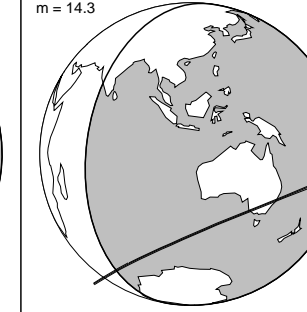
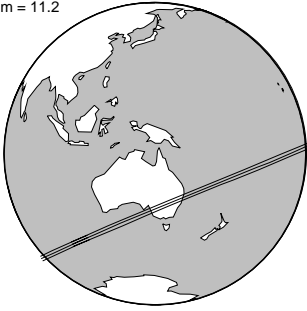
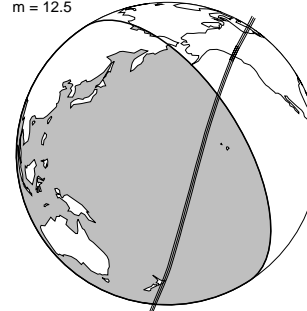
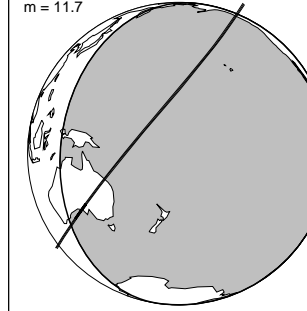
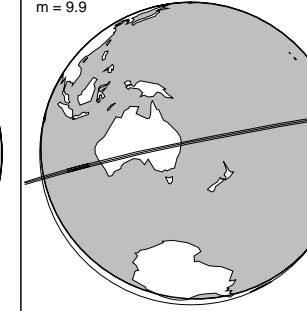
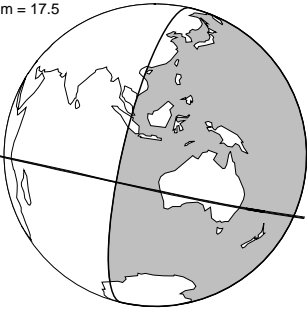
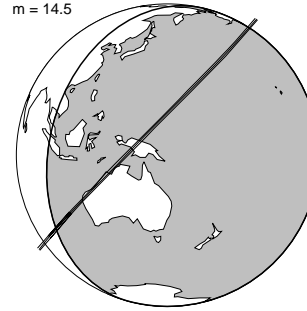
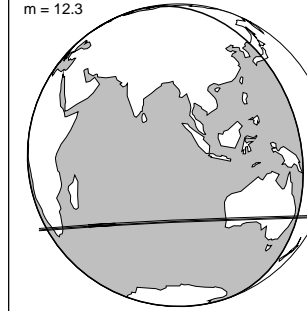
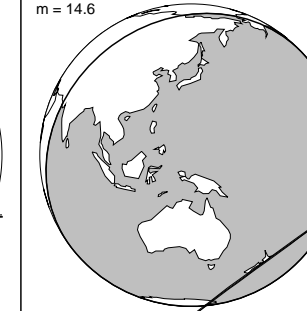
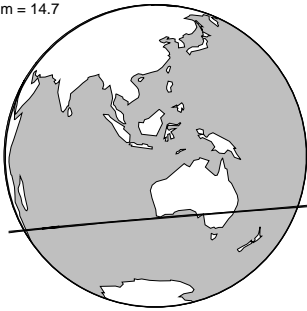
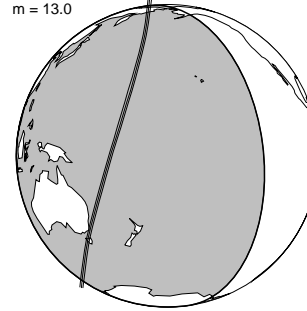
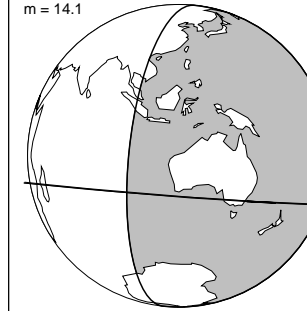
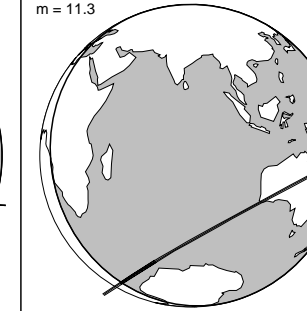
Occultations by major and minor planets – 2015

Region 8

<p>2015 jul 14 11h41.3m A15_07021 163 Erigone UCAC4-366-109358 Diam = 76.0 m = 12.2 m = 13.8</p>  <p>Dur = 6.8s Dmag = 1.8 Sun: 155° Moon: 175°</p>	<p>2015 jul 14 18h47.7m A15_07033 212 Medea PPMX 6826497 Diam = 140.0 m = 12.0 m = 13.8</p>  <p>Dur = 7.1s Dmag = 2.0 Sun: 85° Moon: 71°</p>	<p>2015 jul 16 10h15.7m A15_07023 178 Belisana UCAC4-323-201531 Diam = 37.8 m = 12.1 m = 12.3</p>  <p>Dur = 4.1s Dmag = 0.8 Sun: 170° Moon: 165°</p>	<p>2015 jul 16 11h58.1m A15_07090 2494 Inge UCAC4-430-117877 Diam = 57.7 m = 12.3 m = 15.4</p>  <p>Dur = 6.4s Dmag = 3.2 Sun: 145° Moon: 152°</p>
<p>2015 jul 17 13h18.0m A15_07022 175 Andromache UCAC4-318-232832 Diam = 107.0 m = 11.7 m = 11.6</p>  <p>Dur = 11.3s Dmag = 0.7 Sun: 174° Moon: 160°</p>	<p>2015 jul 17 18h49.4m A15_07035 266 Aline UCAC4-548-001202 Diam = 113.0 m = 11.9 m = 13.4</p>  <p>Dur = 7.7s Dmag = 1.8 Sun: 98° Moon: 119°</p>	<p>2015 jul 22 21h 1.3m A15_07010 108 Hecuba UCAC4-336-201776 Diam = 67.0 m = 11.3 m = 12.7</p>  <p>Dur = 5.2s Dmag = 1.7 Sun: 171° Moon: 111°</p>	<p>2015 jul 24 15h18.1m A15_07087 1517 Beograd UCAC4-307-199783 Diam = 38.7 m = 10.5 m = 15.0</p>  <p>Dur = 5.3s Dmag = 4.5 Sun: 151° Moon: 57°</p>
<p>2015 jul 26 12h15.2m A15_07003 31 Euphrosyne UCAC4-168-208655 Diam = 248.0 m = 12.3 m = 12.6</p>  <p>Dur = 17.0s Dmag = 0.9 Sun: 141° Moon: 56°</p>	<p>2015 jul 26 16h57.1m A15_07009 91 Aegina UCAC4-318-155811 Diam = 114.0 m = 12.2 m = 13.2</p>  <p>Dur = 12.8s Dmag = 1.3 Sun: 149° Moon: 32°</p>	<p>2015 jul 28 10h42.6m A15_07026 185 Eunike UCAC4-491-063750 Diam = 165.0 m = 11.7 m = 12.9</p>  <p>Dur = 12.8s Dmag = 1.5 Sun: 105° Moon: 39°</p>	<p>2015 jul 28 15h55.9m A15_07032 199 Byblis UCAC4-282-211636 Diam = 63.0 m = 10.7 m = 12.0</p>  <p>Dur = 6.0s Dmag = 1.6 Sun: 164° Moon: 34°</p>
<p>2015 jul 28 16h 2.6m A15_07031 199 Byblis UCAC4-282-211635 Diam = 63.0 m = 10.7 m = 12.0</p>  <p>Dur = 6.0s Dmag = 1.6 Sun: 164° Moon: 34°</p>	<p>2015 jul 28 17h 9.2m A15_07075 909 Ulla UCAC4-415-100622 Diam = 120.0 m = 12.3 m = 14.3</p>  <p>Dur = 8.8s Dmag = 2.1 Sun: 153° Moon: 18°</p>	<p>2015 jul 30 16h12.4m A15_07080 1113 Katja UCAC4-274-165658 Diam = 44.7 m = 12.5 m = 14.9</p>  <p>Dur = 3.9s Dmag = 2.5 Sun: 145° Moon: 28°</p>	<p>2015 jul 31 10h16.5m A15_07048 420 Bertholda UCAC4-362-130613 Diam = 146.0 m = 10.3 m = 13.8</p>  <p>Dur = 17.0s Dmag = 3.5 Sun: 144° Moon: 34°</p>

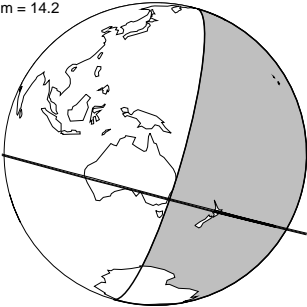
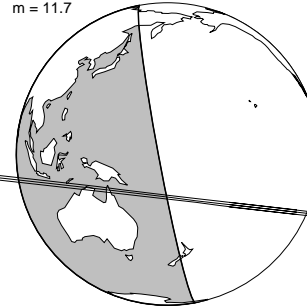
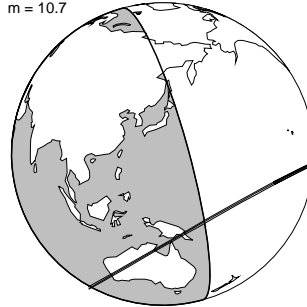
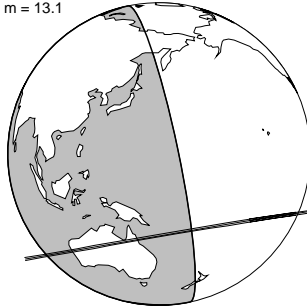
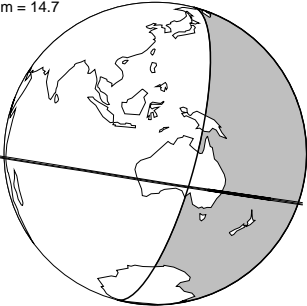
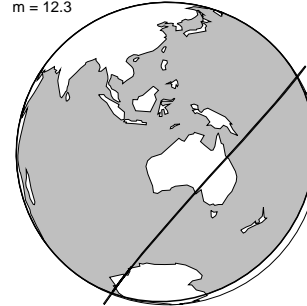
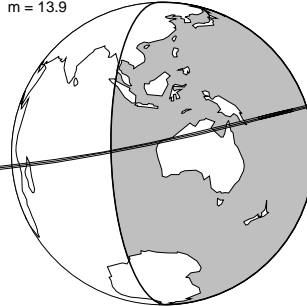
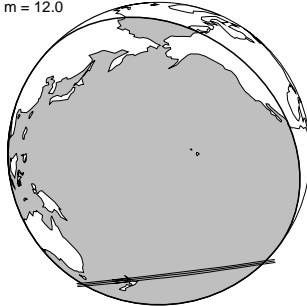
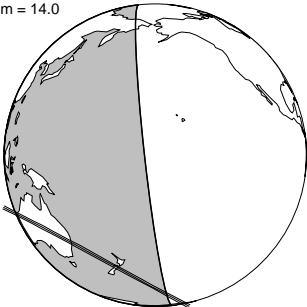
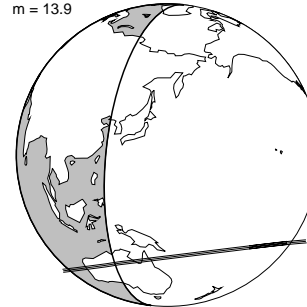
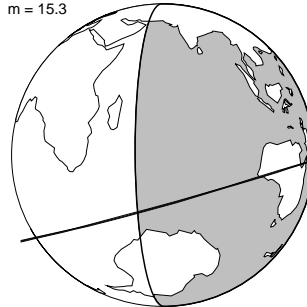
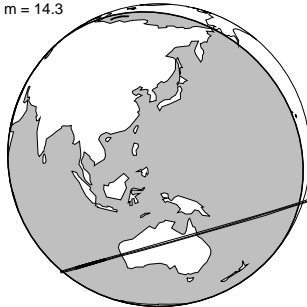
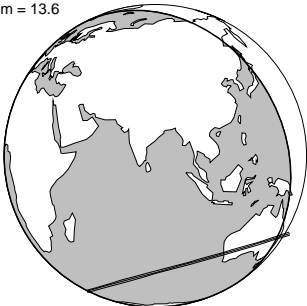
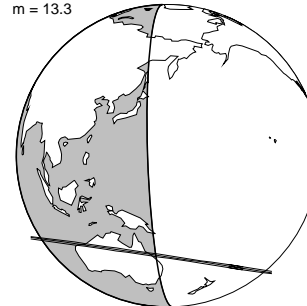
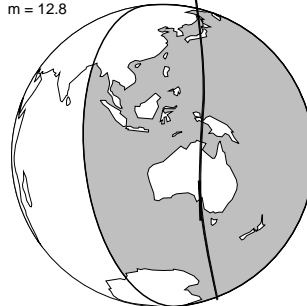
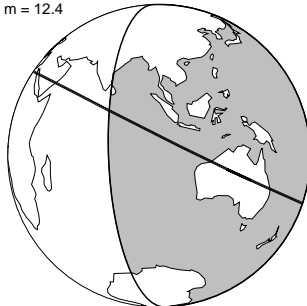
Occultations by major and minor planets – 2015

Region 8

<p>2015 jul 31 11h28.0m A15_07058 543 Charlotte UCAC4-318-083907 Diam = 44.2 m = 10.7 m = 15.2</p>  <p>Dur = 9.6s Dmag = 4.6 Sun: 114° Moon: 67°</p>	<p>2015 aug 1 15h18.8m A15_08052 469 Argentina UCAC4-282-202835 Diam = 129.0 m = 12.5 m = 13.6</p>  <p>Dur = 11.4s Dmag = 1.4 Sun: 152° Moon: 44°</p>	<p>2015 aug 2 14h47.9m A15_08028 191 Kolga UCAC4-407-067633 Diam = 105.0 m = 10.6 m = 14.2</p>  <p>Dur = 17.8s Dmag = 3.6 Sun: 123° Moon: 85°</p>	<p>2015 aug 3 13h27.3m A15_08026 163 Erigone PPMX 11625997 Diam = 76.0 m = 12.5 m = 14.3</p>  <p>Dur = 13.9s Dmag = 2.0 Sun: 133° Moon: 89°</p>
<p>2015 aug 7 15h 5.7m A15_08011 65 Cybele UCAC4-385-157620 Diam = 230.0 m = 8.9 m = 11.2</p>  <p>Dur = 18.7s Dmag = 2.4 Sun: 173° Moon: 90°</p>	<p>2015 aug 7 15h25.9m A15_08070 690 Wratislavia UCAC4-546-000908 Diam = 140.0 m = 12.4 m = 12.5</p>  <p>Dur = 25.2s Dmag = 0.8 Sun: 119° Moon: 42°</p>	<p>2015 aug 8 9h13.6m A15_08036 287 Nephthys PPMX 11670946 Diam = 70.1 m = 12.3 m = 11.7</p>  <p>Dur = 11.1s Dmag = 0.5 Sun: 141° Moon: 144°</p>	<p>2015 aug 8 13h 7.7m A15_08012 68 Leto UCAC4-288-221074 Diam = 127.0 m = 11.1 m = 9.9</p>  <p>Dur = 15.4s Dmag = 0.3 Sun: 162° Moon: 117°</p>
<p>2015 aug 10 11h14.7m A15_08095 2266 Tchaikovsky UCAC4-380-072904 Diam = 53.6 m = 11.3 m = 17.5</p>  <p>Dur = 8.3s Dmag = 6.2 Sun: 102° Moon: 151°</p>	<p>2015 aug 10 11h24.6m A15_08079 909 Ulla PPMX 10664101 Diam = 120.0 m = 12.3 m = 14.5</p>  <p>Dur = 10.3s Dmag = 2.3 Sun: 141° Moon: 165°</p>	<p>2015 aug 11 20h13.2m A15_08021 109 Felicitas UCAC4-417-149739 Diam = 91.0 m = 10.1 m = 12.3</p>  <p>Dur = 25.1s Dmag = 2.3 Sun: 143° Moon: 112°</p>	<p>2015 aug 12 13h51.6m A15_08081 921 Jovita UCAC4-479-118565 Diam = 60.5 m = 11.9 m = 14.6</p>  <p>Dur = 6.1s Dmag = 2.8 Sun: 153° Moon: 157°</p>
<p>2015 aug 13 15h55.5m A15_08062 657 Gunlöd UCAC4-395-126316 Diam = 43.6 m = 9.5 m = 14.7</p>  <p>Dur = 3.4s Dmag = 5.2 Sun: 172° Moon: 174°</p>	<p>2015 aug 20 14h48.5m A15_08025 146 Lucina UCAC4-398-001656 Diam = 137.0 m = 10.7 m = 13.0</p>  <p>Dur = 23.3s Dmag = 2.4 Sun: 129° Moon: 157°</p>	<p>2015 aug 21 11h16.8m A15_08043 396 Aeolia UCAC4-345-089883 Diam = 34.8 m = 11.8 m = 14.1</p>  <p>Dur = 3.5s Dmag = 2.4 Sun: 109° Moon: 34°</p>	<p>2015 aug 22 17h 4.4m A15_08017 100 Hekate UCAC4-350-188475 Diam = 92.0 m = 10.0 m = 11.3</p>  <p>Dur = 12.1s Dmag = 1.6 Sun: 157° Moon: 69°</p>

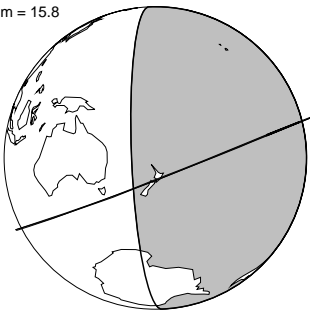
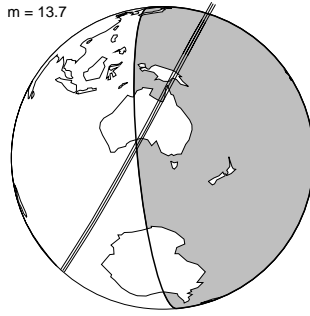
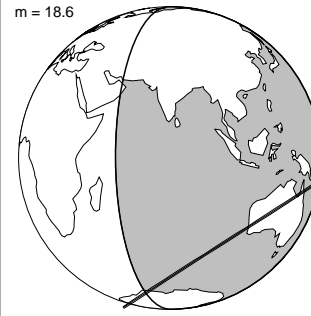
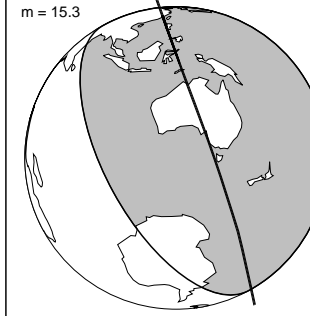
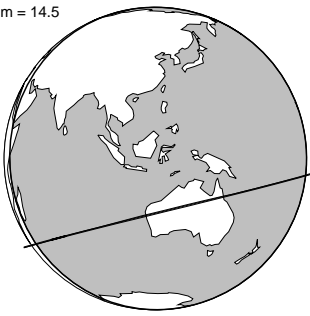
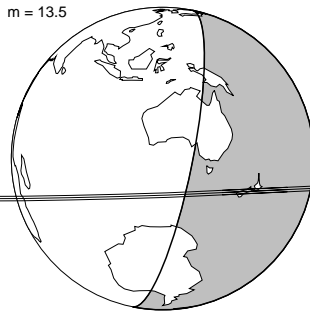
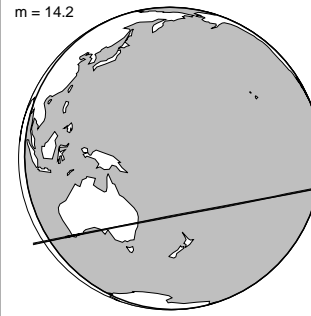
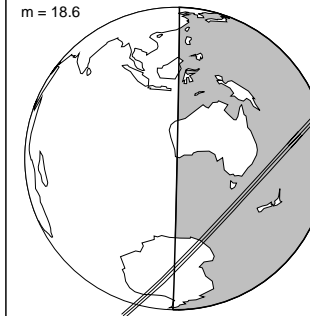
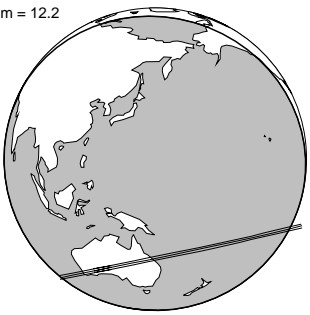
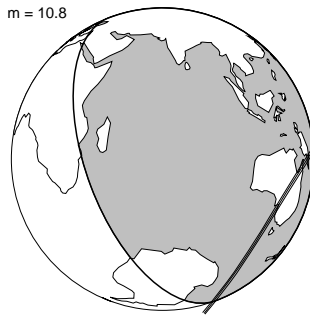
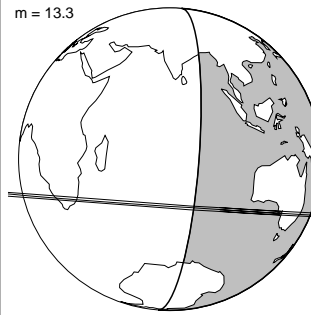
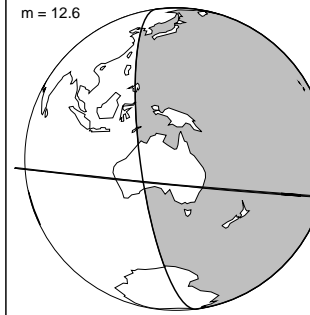
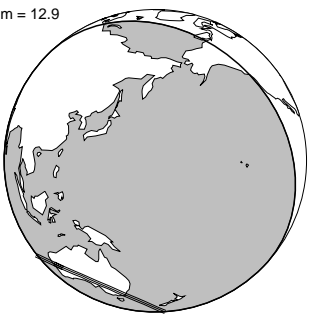
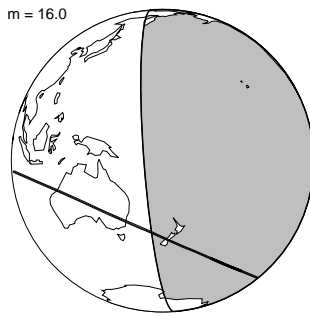
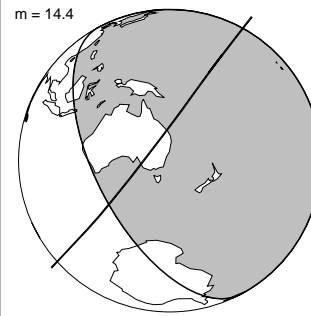
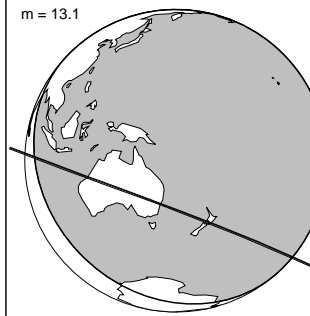
Occultations by major and minor planets – 2015

Region 8

<p>2015 aug 23 7h23.7m A15_08027 184 Dejepeja UCAC4-357-070563 Diam = 68.2 m = 12.2</p>  <p>Dur = 3.1s Dmag = 2.1 Sun: 79° Moon: 17°</p>	<p>2015 aug 25 19h10.0m A15_08075 747 Winchester UCAC4-457-006513 Diam = 178.0 m = 11.7</p>  <p>Dur = 7.5s Dmag = 0.8 Sun: 86° Moon: 145°</p>	<p>2015 aug 28 19h43.1m A15_08030 192 Nausikaa UCAC4-574-007440 Diam = 107.0 m = 11.8 m = 10.7</p>  <p>Dur = 7.0s Dmag = 0.3 Sun: 99° Moon: 93°</p>	<p>2015 aug 30 19h 0.5m A15_08032 240 Vanadis UCAC4-538-007523 Diam = 108.0 m = 12.5 m = 13.1</p>  <p>Dur = 6.7s Dmag = 1.1 Sun: 97° Moon: 68°</p>
<p>2015 sep 1 8h33.2m A15_09047 322 Phaeo UCAC4-358-073155 Diam = 73.8 m = 9.8 m = 14.7</p>  <p>Dur = 3.3s Dmag = 4.9 Sun: 74° Moon: 142°</p>	<p>2015 sep 3 16h43.5m A15_09060 472 Roma UCAC4-351-195626 Diam = 47.6 m = 12.2 m = 12.3</p>  <p>Dur = 4.1s Dmag = 0.8 Sun: 162° Moon: 61°</p>	<p>2015 sep 4 11h29.4m A15_09016 91 Aegina UCAC4-321-132329 Diam = 114.0 m = 11.8 m = 13.9</p>  <p>Dur = 19.2s Dmag = 2.3 Sun: 110° Moon: 147°</p>	<p>2015 sep 5 12h49.3m A15_09075 690 Wratislavia PPMX 5795969 Diam = 140.0 m = 11.6 m = 12.0</p>  <p>Dur = 22.7s Dmag = 0.9 Sun: 145° Moon: 64°</p>
<p>2015 sep 5 17h19.4m A15_09017 105 Artemis UCAC4-482-009966 Diam = 123.0 m = 12.4 m = 14.0</p>  <p>Dur = 6.2s Dmag = 1.8 Sun: 85° Moon: 12°</p>	<p>2015 sep 6 21h28.1m A15_09013 70 Panopaea PPMX 5040716 Diam = 127.0 m = 12.5 m = 13.9</p>  <p>Dur = 4.8s Dmag = 1.7 Sun: 65° Moon: 12°</p>	<p>2015 sep 7 14h 7.0m A15_09058 448 Natalie UCAC4-264-119359 Diam = 49.7 m = 11.5 m = 15.3</p>  <p>Dur = 4.0s Dmag = 3.8 Sun: 100° Moon: 155°</p>	<p>2015 sep 9 16h25.1m A15_09064 552 Sigelinde UCAC4-521-000621 Diam = 81.0 m = 11.5 m = 14.3</p>  <p>Dur = 7.2s Dmag = 2.9 Sun: 153° Moon: 117°</p>
<p>2015 sep 9 20h 9.2m A15_09062 514 Armida UCAC4-511-001430 Diam = 110.0 m = 12.1 m = 13.6</p>  <p>Dur = 13.6s Dmag = 1.7 Sun: 148° Moon: 111°</p>	<p>2015 sep 11 20h 0.8m A15_09032 233 Asterope UCAC4-553-018169 Diam = 108.0 m = 9.2 m = 13.3</p>  <p>Dur = 5.3s Dmag = 4.2 Sun: 82° Moon: 67°</p>	<p>2015 sep 12 12h 3.3m A15_09008 60 Echo UCAC4-362-185547 Diam = 61.0 m = 11.4 m = 12.8</p>  <p>Dur = 31.4s Dmag = 1.7 Sun: 121° Moon: 130°</p>	<p>2015 sep 12 12h39.0m A15_09043 287 Nephthys UCAC4-357-152361 Diam = 70.1 m = 11.6 m = 12.4</p>  <p>Dur = 7.2s Dmag = 1.2 Sun: 109° Moon: 118°</p>

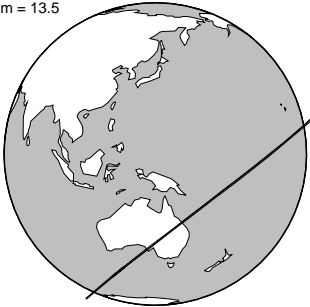
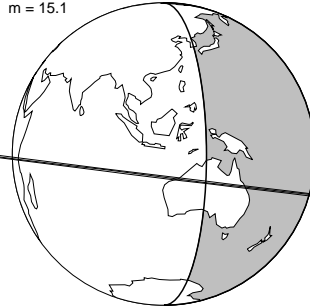
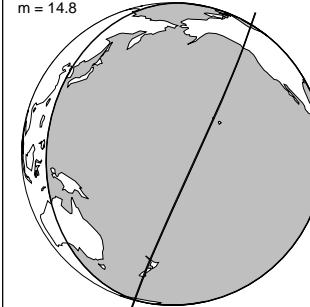
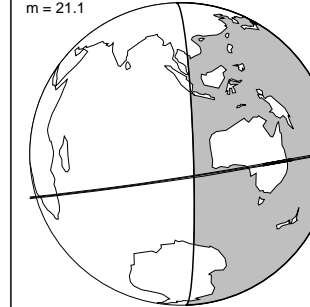
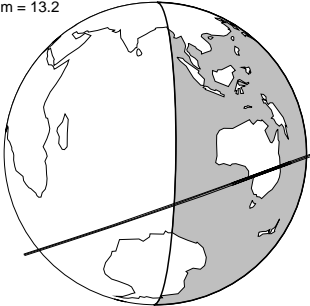
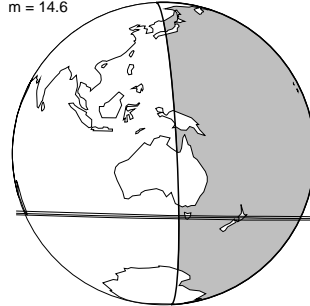
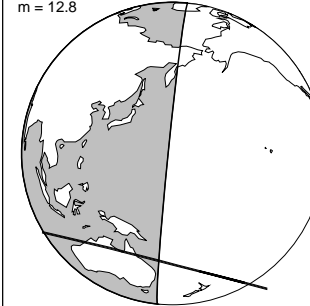
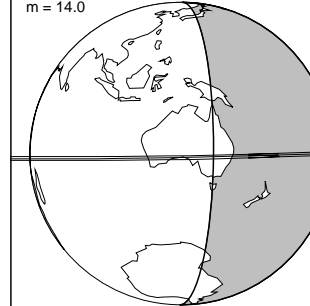
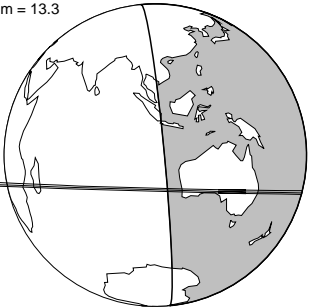
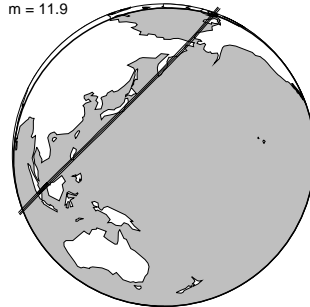
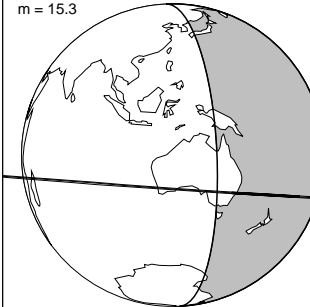
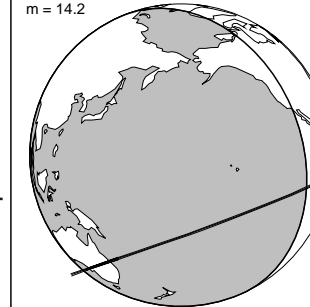
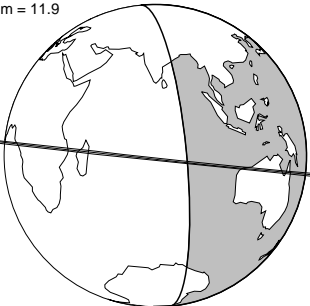
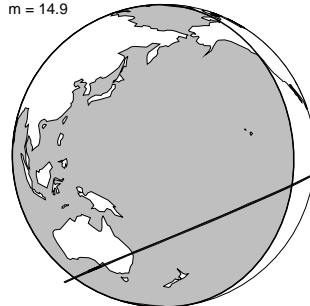
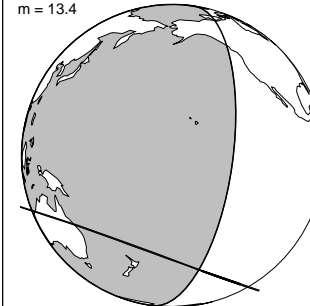
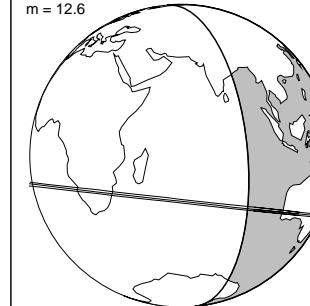
Occultations by major and minor planets – 2015

Region 8

<p>2015 sep 16 6h52.3m A15_09092 1046 Edwin UCAC4-290-162194 Diam = 38.0 m = 10.1 m = 15.8</p>  <p>Dur = 3.2s Dmag = 5.7 Sun: 99° Moon: 67°</p>	<p>2015 sep 18 9h14.7m A15_09051 372 Palma UCAC4-253-169184 Diam = 195.0 m = 12.2 m = 13.7</p>  <p>Dur = 14.3s Dmag = 1.7 Sun: 99° Moon: 48°</p>	<p>2015 sep 18 14h 6.8m A15_09100 2009WP104 UCAC4-421-113372 Diam = 91.2 m = 11.1 m = 18.6</p>  <p>Dur = 4.0s Dmag = 7.5 Sun: 111° Moon: 55°</p>	<p>2015 sep 19 12h15.0m A15_09086 907 Rhoda TYC 7961-00322-1 Diam = 65.8 m = 12.4 m = 15.3</p>  <p>Dur = 7.5s Dmag = 2.9 Sun: 118° Moon: 59°</p>
<p>2015 sep 19 15h 0.2m A15_09059 467 Laura UCAC4-431-118191 Diam = 47.5 m = 10.9 m = 14.5</p>  <p>Dur = 4.4s Dmag = 3.6 Sun: 164° Moon: 95°</p>	<p>2015 sep 20 8h41.2m A15_09023 154 Bertha UCAC4-250-097357 Diam = 192.0 m = 11.6 m = 13.5</p>  <p>Dur = 8.4s Dmag = 2.1 Sun: 78° Moon: 23°</p>	<p>2015 sep 20 11h40.3m A15_09071 661 Cloelia UCAC4-423-140290 Diam = 52.0 m = 12.1 m = 14.2</p>  <p>Dur = 4.3s Dmag = 2.2 Sun: 163° Moon: 84°</p>	<p>2015 sep 21 10h 3.8m B15_09001 10199 Chariklo UCAC4-274-115943 Diam = 218.8 m = 14.9 m = 18.6</p>  <p>Dur = 18.5s Dmag = 3.7 Sun: 89° Moon: 17°</p>
<p>2015 sep 23 14h14.3m A15_09024 165 Loreley UCAC4-547-000826 Diam = 160.0 m = 11.9 m = 12.2</p>  <p>Dur = 13.1s Dmag = 0.9 Sun: 159° Moon: 75°</p>	<p>2015 sep 23 15h32.5m A15_09012 68 Leto UCAC4-297-227147 Diam = 127.0 m = 11.7 m = 10.8</p>  <p>Dur = 22.2s Dmag = 0.4 Sun: 120° Moon: 16°</p>	<p>2015 sep 24 12h 3.2m A15_09002 24 Themis PPMX 12655250 Diam = 160.0 m = 12.1 m = 13.3</p>  <p>Dur = 7.5s Dmag = 1.5 Sun: 78° Moon: 51°</p>	<p>2015 sep 28 9h30.3m A15_09045 306 Unitas UCAC4-343-188684 Diam = 49.2 m = 11.8 m = 12.6</p>  <p>Dur = 3.6s Dmag = 1.3 Sun: 103° Moon: 80°</p>
<p>2015 sep 29 14h21.5m A15_09078 705 Erminia UCAC4-586-004124 Diam = 139.0 m = 10.4 m = 12.9</p>  <p>Dur = 10.0s Dmag = 2.6 Sun: 147° Moon: 19°</p>	<p>2015 sep 30 7h10.0m A15_09046 319 Leona PPMX 10678717 Diam = 73.3 m = 12.1 m = 16.0</p>  <p>Dur = 6.2s Dmag = 4.0 Sun: 97° Moon: 114°</p>	<p>2015 sep 30 10h17.8m A15_09099 1693 Hertzprung UCAC4-273-204908 Diam = 39.5 m = 9.8 m = 14.4</p>  <p>Dur = 4.8s Dmag = 4.7 Sun: 119° Moon: 90°</p>	<p>2015 sep 30 11h56.2m A15_09077 697 Galilea HIP 113998 Diam = 82.5 m = 6.3 m = 13.1</p>  <p>Dur = 8.7s Dmag = 6.8 Sun: 152° Moon: 59°</p>

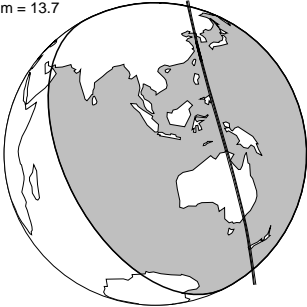
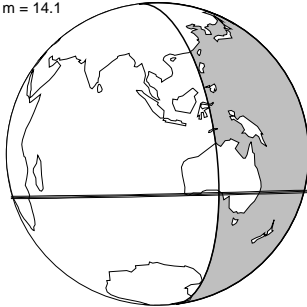
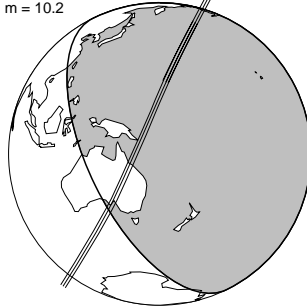
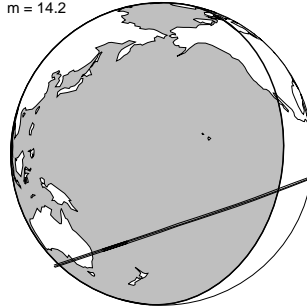
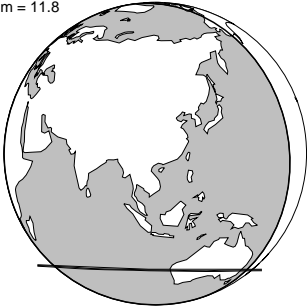
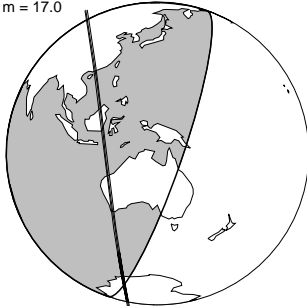
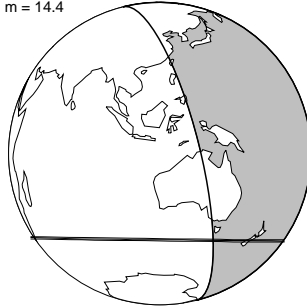
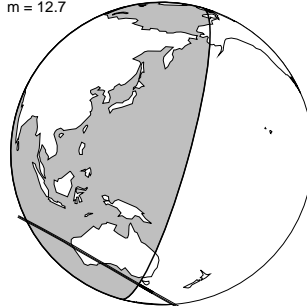
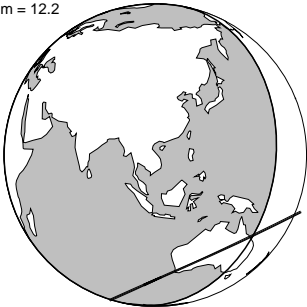
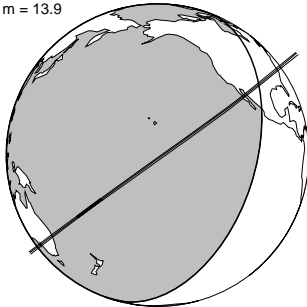
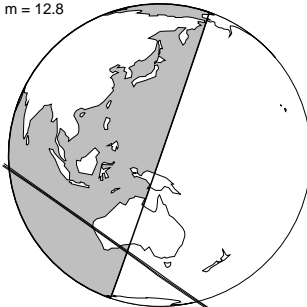
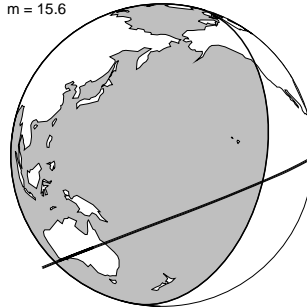
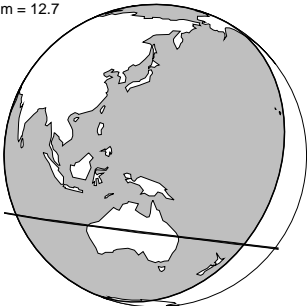
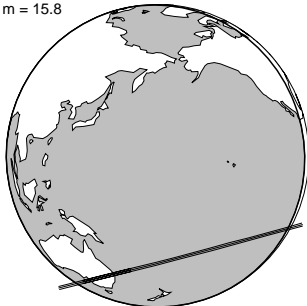
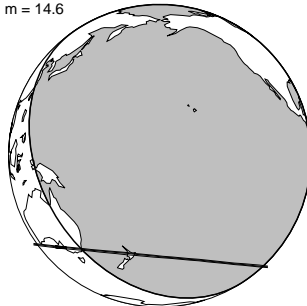
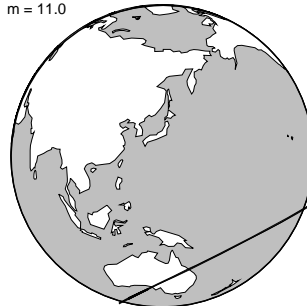
Occultations by major and minor planets – 2015

Region 8

<p>2015 sep 30 14h42.6m A15_09090 1023 Thomana UCAC4-477-000781 Diam = 60.2 m = 12.4 m = 13.5</p>  <p>Dur = 5.0s Dmag = 1.4 Sun: 176° Moon: 33°</p>	<p>2015 oct 1 9h 9.7m A15_10061 663 Gerlinde PPMX 10598856 Diam = 104.0 m = 12.1 m = 15.1</p>  <p>Dur = 4.1s Dmag = 3.1 Sun: 73° Moon: 152°</p>	<p>2015 oct 1 9h16.0m A15_10077 1101 Clematis UCAC4-491-148330 Diam = 41.0 m = 10.7 m = 14.8</p>  <p>Dur = 3.2s Dmag = 4.2 Sun: 146° Moon: 77°</p>	<p>2015 oct 3 10h50.5m B15_10003 120061 2003CO1 UCAC4-299-199132 Diam = 69.2 m = 14.4 m = 21.1</p>  <p>Dur = 6.6s Dmag = 6.7 Sun: 85° Moon: 162°</p>
<p>2015 oct 3 11h34.0m A15_10048 385 Ilmatar UCAC4-278-174993 Diam = 94.1 m = 12.2 m = 13.2</p>  <p>Dur = 4.3s Dmag = 1.4 Sun: 82° Moon: 161°</p>	<p>2015 oct 4 8h35.7m A15_10053 420 Bertholda UCAC4-360-147042 Diam = 146.0 m = 12.3 m = 14.6</p>  <p>Dur = 8.1s Dmag = 2.5 Sun: 84° Moon: 179°</p>	<p>2015 oct 4 19h21.7m A15_10027 198 Ampella UCAC4-576-035843 Diam = 58.7 m = 11.1 m = 12.8</p>  <p>Dur = 3.5s Dmag = 1.9 Sun: 88° Moon: 8°</p>	<p>2015 oct 8 8h22.8m A15_10023 145 Adeona PPMX 13696713 Diam = 155.0 m = 12.0 m = 14.0</p>  <p>Dur = 7.2s Dmag = 2.2 Sun: 77° Moon: 127°</p>
<p>2015 oct 9 10h46.7m A15_10040 308 Polyxo UCAC4-355-166875 Diam = 148.0 m = 10.6 m = 13.3</p>  <p>Dur = 7.5s Dmag = 2.7 Sun: 86° Moon: 125°</p>	<p>2015 oct 9 12h39.1m A15_10037 266 Aline UCAC4-549-000969 Diam = 113.0 m = 10.6 m = 11.9</p>  <p>Dur = 11.2s Dmag = 1.6 Sun: 164° Moon: 142°</p>	<p>2015 oct 14 8h35.2m A15_10024 163 Erigone UCAC4-350-129590 Diam = 76.0 m = 10.1 m = 15.3</p>  <p>Dur = 3.2s Dmag = 5.2 Sun: 73° Moon: 58°</p>	<p>2015 oct 15 13h57.6m A15_10074 1001 Gaussia UCAC4-586-008691 Diam = 78.3 m = 11.9 m = 14.2</p>  <p>Dur = 12.7s Dmag = 2.4 Sun: 142° Moon: 166°</p>
<p>2015 oct 17 11h58.6m A15_10020 129 Antigone UCAC4-347-159310 Diam = 113.0 m = 10.5 m = 11.9</p>  <p>Dur = 4.3s Dmag = 1.7 Sun: 78° Moon: 28°</p>	<p>2015 oct 17 14h43.1m A15_10058 609 Fulvia UCAC4-520-006098 Diam = 56.3 m = 10.0 m = 14.9</p>  <p>Dur = 5.7s Dmag = 4.9 Sun: 149° Moon: 159°</p>	<p>2015 oct 19 15h15.1m A15_10070 888 Parysatis UCAC4-486-017216 Diam = 44.8 m = 12.5 m = 13.4</p>  <p>Dur = 6.5s Dmag = 1.3 Sun: 113° Moon: 166°</p>	<p>2015 oct 23 11h54.3m A15_10008 51 Nemausa UCAC4-373-119510 Diam = 152.3 m = 10.2 m = 12.6</p>  <p>Dur = 4.8s Dmag = 2.5 Sun: 63° Moon: 61°</p>

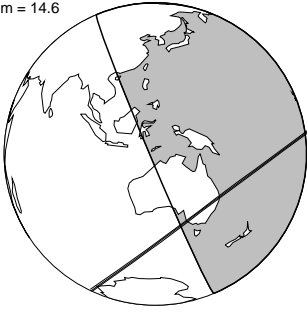
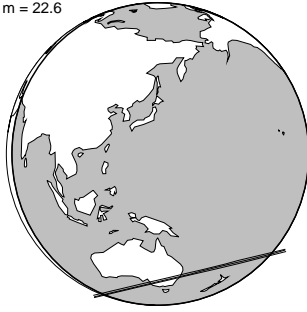
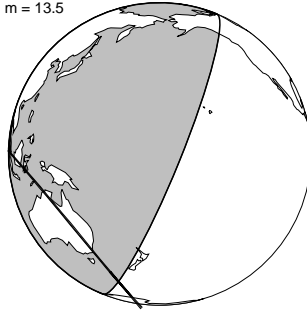
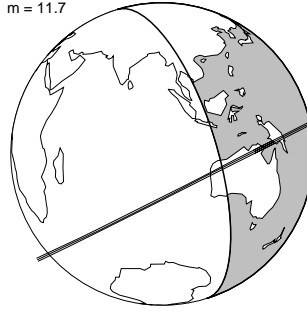
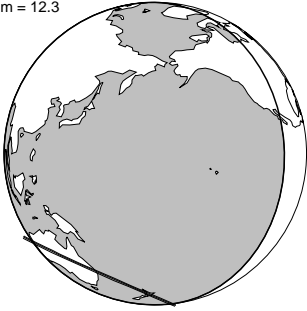
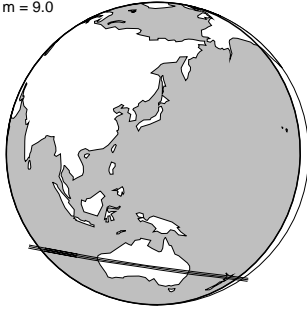
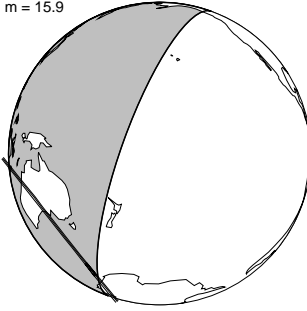
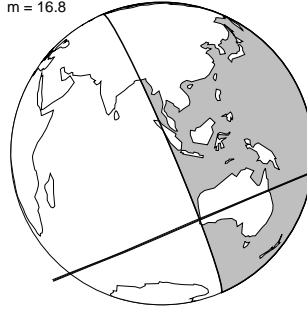
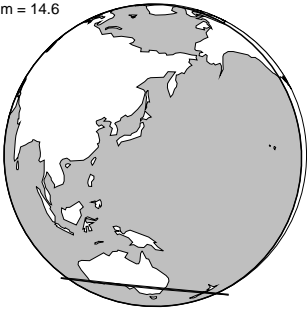
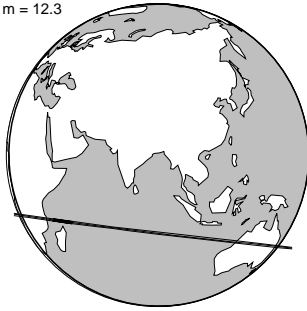
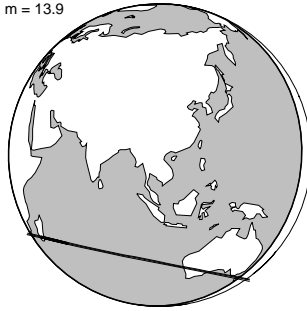
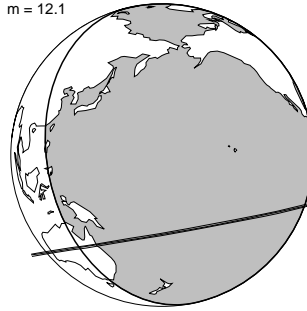
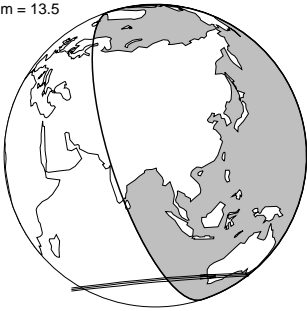
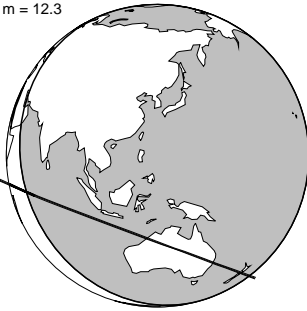
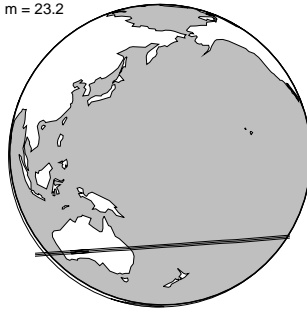
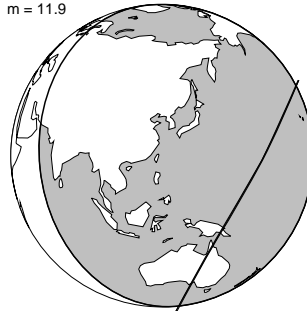
Occultations by major and minor planets – 2015

Region 8

<p>2015 oct 25 13h40.4m A15_10063 697 Galilea UCAC4-379-165674 Diam = 82.5 m = 11.0 m = 13.7</p>  <p>Dur = 11.4s Dmag = 2.7 Sun: 127° Moon: 26°</p>	<p>2015 oct 30 9h30.7m A15_10017 114 Kassandra UCAC4-352-159218 Diam = 103.0 m = 12.1 m = 14.1</p>  <p>Dur = 3.7s Dmag = 2.2 Sun: 67° Moon: 153°</p>	<p>2015 oct 31 9h29.7m A15_10001 9 Metis UCAC4-370-188424 Diam = 231.2 m = 12.1 m = 10.2</p>  <p>Dur = 49.1s Dmag = 0.2 Sun: 118° Moon: 113°</p>	<p>2015 nov 5 13h55.4m A15_11037 260 Huberta UCAC4-523-011768 Diam = 101.0 m = 12.3 m = 14.2</p>  <p>Dur = 11.2s Dmag = 2.1 Sun: 143° Moon: 77°</p>
<p>2015 nov 5 18h27.5m A15_11014 77 Frigga UCAC4-578-012318 Diam = 71.0 m = 12.1 m = 11.8</p>  <p>Dur = 11.0s Dmag = 0.6 Sun: 151° Moon: 87°</p>	<p>2015 nov 6 19h36.2m A15_11104 2363 Cebriones UCAC4-386-039020 Diam = 91.7 m = 12.4 m = 17.0</p>  <p>Dur = 5.3s Dmag = 4.6 Sun: 99° Moon: 55°</p>	<p>2015 nov 9 9h10.3m A15_11043 313 Chaldaea UCAC4-383-154866 Diam = 101.0 m = 11.8 m = 14.4</p>  <p>Dur = 4.2s Dmag = 2.7 Sun: 74° Moon: 100°</p>	<p>2015 nov 12 19h 3.5m A15_11048 389 Industria UCAC4-535-048281 Diam = 81.0 m = 10.1 m = 12.7</p>  <p>Dur = 6.6s Dmag = 2.7 Sun: 100° Moon: 112°</p>
<p>2015 nov 14 19h13.2m A15_11021 119 Althaea UCAC4-533-020261 Diam = 60.7 m = 12.3 m = 12.2</p>  <p>Dur = 9.3s Dmag = 0.7 Sun: 142° Moon: 178°</p>	<p>2015 nov 15 13h21.4m A15_11049 393 Lampetia UCAC4-487-026507 Diam = 106.0 m = 11.0 m = 13.9</p>  <p>Dur = 10.0s Dmag = 3.0 Sun: 130° Moon: 169°</p>	<p>2015 nov 17 20h18.8m A15_11016 80 Sappho UCAC4-473-043990 Diam = 81.7 m = 11.1 m = 12.8</p>  <p>Dur = 5.4s Dmag = 1.9 Sun: 90° Moon: 162°</p>	<p>2015 nov 22 15h34.3m A15_11094 1315 Bronislawa PPMX 6079546 Diam = 65.5 m = 11.8 m = 15.6</p>  <p>Dur = 9.6s Dmag = 3.8 Sun: 133° Moon: 91°</p>
<p>2015 nov 22 16h27.2m A15_11081 888 Parysatis UCAC4-482-015594 Diam = 44.8 m = 12.3 m = 12.7</p>  <p>Dur = 8.4s Dmag = 1.0 Sun: 144° Moon: 77°</p>	<p>2015 nov 28 13h16.9m A15_11103 2241 Alcathous PPMX 4964582 Diam = 123.0 m = 12.3 m = 15.8</p>  <p>Dur = 7.0s Dmag = 3.6 Sun: 165° Moon: 22°</p>	<p>2015 nov 30 8h56.0m A15_11079 861 Aida UCAC4-461-003023 Diam = 70.1 m = 11.6 m = 14.6</p>  <p>Dur = 8.6s Dmag = 3.0 Sun: 142° Moon: 92°</p>	<p>2015 nov 30 14h18.6m A15_11072 678 Fredegundis UCAC4-590-011488 Diam = 44.0 m = 12.4 m = 11.0</p>  <p>Dur = 5.7s Dmag = 0.3 Sun: 172° Moon: 62°</p>

Occultations by major and minor planets – 2015

Region 8

<p>2015 dec 2 9h56.8m A15_12059 494 Virtus UCAC4-393-134704 Diam = 89.1 m = 12.4 m = 14.6</p>  <p>Dur = 5.6s Dmag = 2.3 Sun: 92° Moon: 166°</p>	<p>2015 dec 5 13h13.1m B15_12002 19299 1996SZ4 UCAC4-565-007698 Diam = 109.6 m = 14.2 m = 22.6</p>  <p>Dur = 4.8s Dmag = 8.4 Sun: 164° Moon: 129°</p>	<p>2015 dec 5 17h 7.4m A15_12068 584 Semiramis UCAC4-469-043116 Diam = 56.2 m = 11.7 m = 13.5</p>  <p>Dur = 5.0s Dmag = 2.0 Sun: 97° Moon: 35°</p>	<p>2015 dec 6 10h37.6m A15_12016 68 Leto UCAC4-351-192349 Diam = 127.0 m = 12.0 m = 11.7</p>  <p>Dur = 4.1s Dmag = 0.7 Sun: 68° Moon: 125°</p>
<p>2015 dec 9 14h14.2m A15_12018 83 Beatrix UCAC4-598-040515 Diam = 84.0 m = 12.2 m = 12.3</p>  <p>Dur = 11.0s Dmag = 0.8 Sun: 148° Moon: 127°</p>	<p>2015 dec 9 15h58.7m A15_12005 27 Euterpe UCAC4-565-027521 Diam = 124.0 m = 12.3 m = 9.0</p>  <p>Dur = 21.4s Dmag = 0.1 Sun: 160° Moon: 140°</p>	<p>2015 dec 13 17h18.3m A15_12058 445 Edna UCAC4-356-063474 Diam = 89.0 m = 11.5 m = 15.9</p>  <p>Dur = 3.8s Dmag = 4.5 Sun: 75° Moon: 103°</p>	<p>2015 dec 15 11h16.9m A15_12113 2311 El Leoncito UCAC4-414-143780 Diam = 61.0 m = 10.2 m = 16.8</p>  <p>Dur = 3.4s Dmag = 6.6 Sun: 86° Moon: 37°</p>
<p>2015 dec 16 15h 9.6m A15_12049 309 Fraternitas PPMX 5042810 Diam = 54.7 m = 12.4 m = 14.6</p>  <p>Dur = 4.2s Dmag = 2.3 Sun: 164° Moon: 130°</p>	<p>2015 dec 17 17h13.3m A15_12066 579 Sidonia UCAC4-556-011525 Diam = 89.6 m = 9.8 m = 12.3</p>  <p>Dur = 6.4s Dmag = 2.6 Sun: 169° Moon: 91°</p>	<p>2015 dec 19 18h29.0m A15_12101 1171 Rughawelia PPMX 6086828 Diam = 73.6 m = 12.2 m = 13.9</p>  <p>Dur = 7.5s Dmag = 1.9 Sun: 159° Moon: 96°</p>	<p>2015 dec 26 9h30.9m A15_12002 26 Proserpina UCAC4-552-006537 Diam = 98.7 m = 11.7 m = 12.1</p>  <p>Dur = 14.6s Dmag = 1.0 Sun: 139° Moon: 53°</p>
<p>2015 dec 26 12h27.6m A15_12084 705 Erminia UCAC4-586-002100 Diam = 139.0 m = 10.6 m = 13.5</p>  <p>Dur = 23.4s Dmag = 3.0 Sun: 107° Moon: 87°</p>	<p>2015 dec 26 13h43.3m A15_12054 369 Aeria UCAC4-532-008700 Diam = 62.2 m = 12.4 m = 12.3</p>  <p>Dur = 6.1s Dmag = 0.7 Sun: 154° Moon: 39°</p>	<p>2015 dec 28 12h32.4m B15_12009 2003TH58 UCAC4-520-017894 Diam = 125.9 m = 13.9 m = 23.2</p>  <p>Dur = 4.9s Dmag = 9.3 Sun: 168° Moon: 45°</p>	<p>2015 dec 28 13h11.6m A15_12083 678 Fredegundis PPMX 4894805 Diam = 44.0 m = 12.3 m = 11.9</p>  <p>Dur = 11.1s Dmag = 0.6 Sun: 144° Moon: 74°</p>