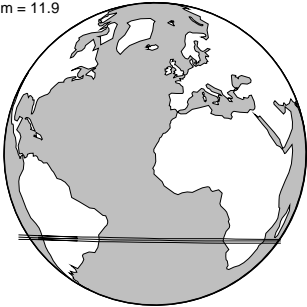
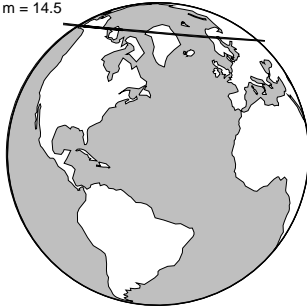
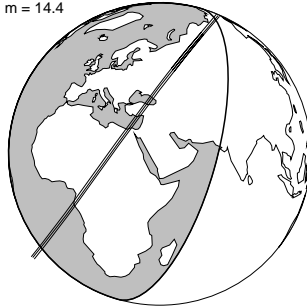
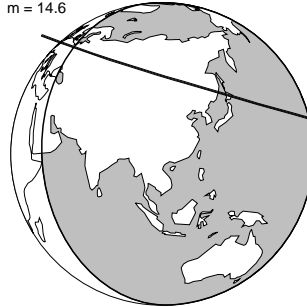
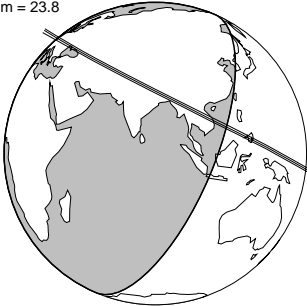
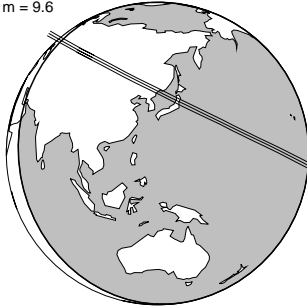
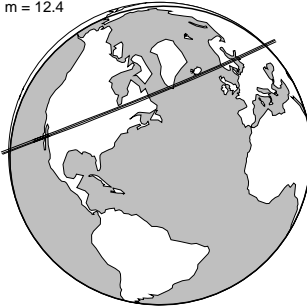
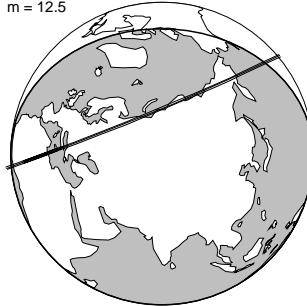
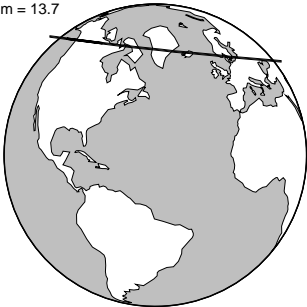
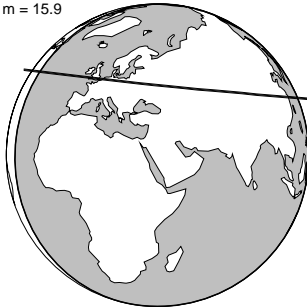
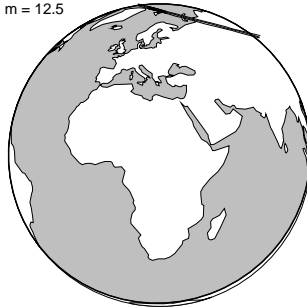
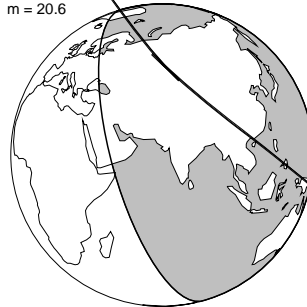
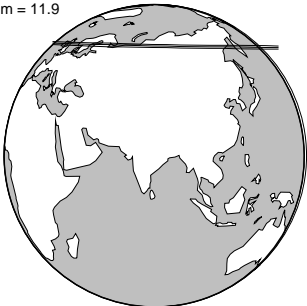
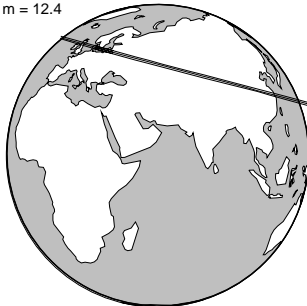

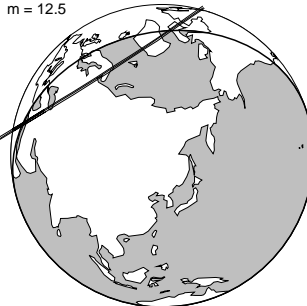


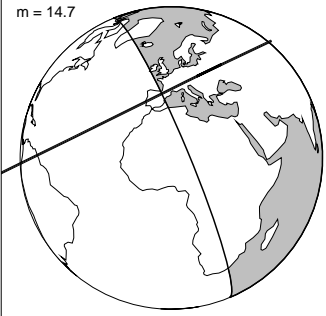
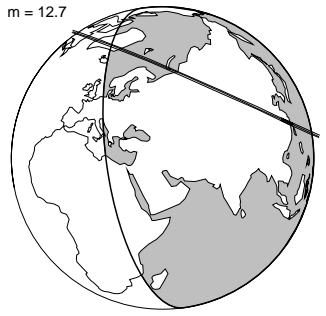
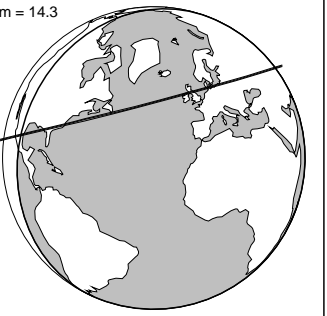
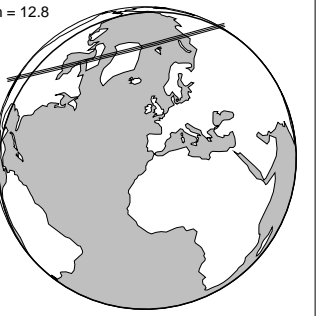
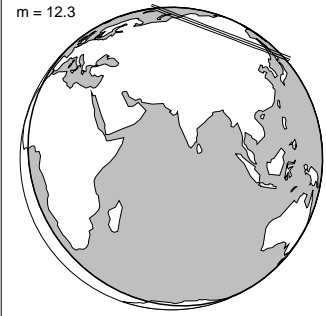
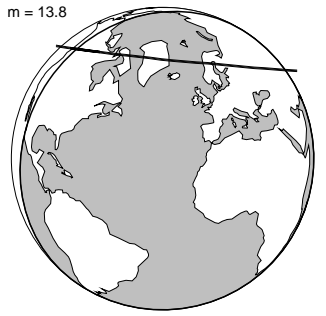
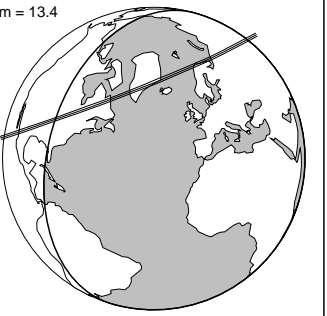
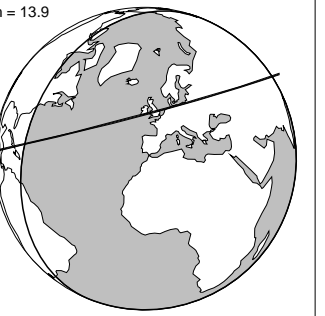
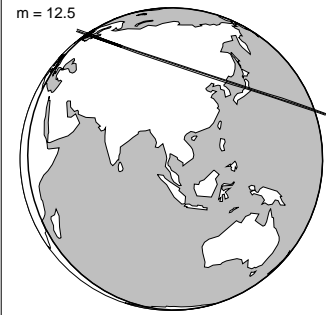
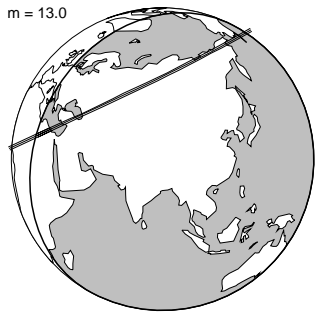
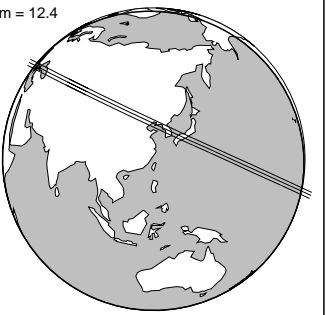
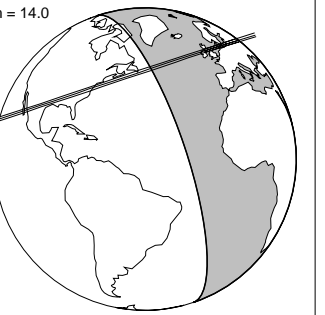
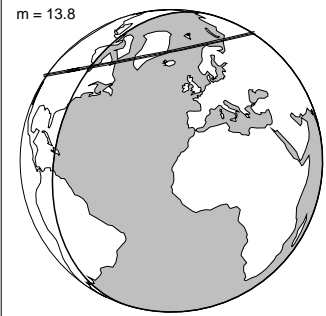
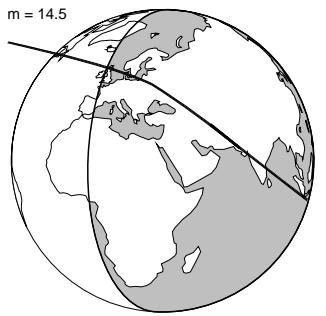
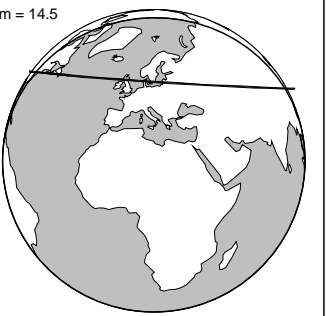
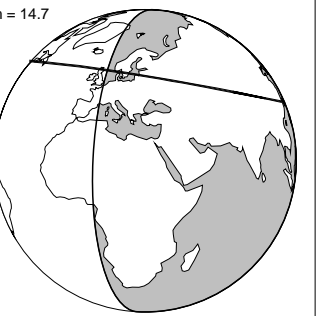
Occultations by major and minor planets – 2014

Region 5

<p>2014 jan 3 1h29.3m A14_01044 241 Germania UCAC4-552-037372 Diam = 169.0 m = 9.4 m = 11.9</p>  <p>Dur = 12.1s Dmag = 2.6 Sun: 174° Moon: 162°</p>	<p>2014 jan 7 2h51.8m A14_01065 492 Gismonda UCAC4-575-032271 Diam = 54.0 m = 9.9 m = 14.5</p>  <p>Dur = 3.8s Dmag = 4.6 Sun: 172° Moon: 96°</p>	<p>2014 jan 9 2h 9.6m A14_01078 536 Merapi HIP 59942 Diam = 158.0 m = 9.6 m = 14.4</p>  <p>Dur = 19.1s Dmag = 4.8 Sun: 111° Moon: 139°</p>	<p>2014 jan 9 14h22.0m A14_01099 977 Philippa PPMX 4934623 Diam = 67.0 m = 12.4 m = 14.6</p>  <p>Dur = 7.5s Dmag = 2.3 Sun: 142° Moon: 36°</p>
<p>2014 jan 9 22h48.9m B14_01001 1995DC2 UCAC4-461-050077 Diam = 151.4 m = 12.9 m = 23.8</p>  <p>Dur = 20.8s Dmag = 10.9 Sun: 112° Moon: 136°</p>	<p>2014 jan 11 13h46.3m A14_01074 532 Herculina PPMX 6003013 Diam = 216.5 m = 12.5 m = 9.6</p>  <p>Dur = 17.6s Dmag = 0.1 Sun: 156° Moon: 28°</p>	<p>2014 jan 13 3h11.6m A14_01066 506 Marion UCAC4-625-037656 Diam = 109.0 m = 10.7 m = 12.4</p>  <p>Dur = 8.9s Dmag = 1.9 Sun: 164° Moon: 29°</p>	<p>2014 jan 13 19h 4.9m A14_01086 626 Notburga UCAC4-730-046304 Diam = 104.0 m = 11.8 m = 12.5</p>  <p>Dur = 8.0s Dmag = 1.1 Sun: 145° Moon: 42°</p>
<p>2014 jan 14 3h26.4m A14_01050 271 Penthesilea PPMX 5101842 Diam = 61.2 m = 12.2 m = 13.7</p>  <p>Dur = 4.8s Dmag = 1.8 Sun: 176° Moon: 23°</p>	<p>2014 jan 14 20h 4.7m A14_01110 1154 Astronomia UCAC4-576-028094 Diam = 64.3 m = 11.8 m = 15.9</p>  <p>Dur = 4.7s Dmag = 4.1 Sun: 160° Moon: 8°</p>	<p>2014 jan 15 22h57.4m A14_01041 236 Honoria UCAC4-497-049374 Diam = 90.5 m = 11.7 m = 12.5</p>  <p>Dur = 6.6s Dmag = 1.3 Sun: 167° Moon: 11°</p>	<p>2014 jan 18 14h28.8m A14_01130 2012UT68 UCAC4-547-005528 Diam = 57.5 m = 11.0 m = 20.6</p>  <p>Dur = 34.6s Dmag = 9.6 Sun: 109° Moon: 97°</p>
<p>2014 jan 18 19h26.5m A14_01030 141 Lumen UCAC4-564-044626 Diam = 135.0 m = 11.6 m = 11.9</p>  <p>Dur = 10.1s Dmag = 1.0 Sun: 169° Moon: 21°</p>	<p>2014 jan 18 19h57.3m A14_01038 190 Ismene UCAC4-520-043369 Diam = 126.5 m = 9.8 m = 12.4</p>  <p>Dur = 9.8s Dmag = 2.7 Sun: 171° Moon: 32°</p>	<p>2014 jan 18 22h22.4m A14_01075 532 Herculina UCAC4-547-018914 Diam = 216.5 m = 10.9 m = 9.8</p>  <p>Dur = 20.1s Dmag = 0.3 Sun: 147° Moon: 61°</p>	<p>2014 jan 20 15h15.1m A14_01087 626 Notburga UCAC4-725-045354 Diam = 104.0 m = 12.1 m = 12.5</p>  <p>Dur = 7.7s Dmag = 1.0 Sun: 144° Moon: 70°</p>

Occultations by major and minor planets – 2014

Region 5

<p>2014 jan 23 17h 3.8m A14_01081 546 Herodias UCAC4-536-002640 Diam = 69.7 m = 11.4 m = 14.7</p>  <p>Dur = 3.6s Dmag = 3.3 Sun: 83° Moon: 173°</p>	<p>2014 jan 26 15h55.9m A14_01028 134 Sophrosyne PPMX 3881233 Diam = 107.0 m = 12.3 m = 12.7</p>  <p>Dur = 11.5s Dmag = 0.9 Sun: 111° Moon: 160°</p>	<p>2014 jan 27 0h20.7m A14_01097 949 Hel UCAC4-607-035401 Diam = 71.0 m = 11.3 m = 14.3</p>  <p>Dur = 5.9s Dmag = 3.0 Sun: 152° Moon: 150°</p>	<p>2014 jan 27 23h51.9m A14_01083 602 Marianna FK6 2592 Diam = 130.0 m = 12.8 m = 4.9</p>  <p>Dur = 9.8s Dmag = 7.9 Sun: 158° Moon: 151°</p>
<p>2014 feb 1 18h15.3m A14_02026 85 Io UCAC4-471-034292 Diam = 178.0 m = 9.5 m = 12.3</p>  <p>Dur = 12.8s Dmag = 2.9 Sun: 156° Moon: 137°</p>	<p>2014 feb 2 0h49.3m A14_02064 438 Zeuxo UCAC4-612-040652 Diam = 63.6 m = 11.9 m = 13.8</p>  <p>Dur = 5.9s Dmag = 2.1 Sun: 155° Moon: 127°</p>	<p>2014 feb 3 23h11.4m A14_02070 508 Princtonia UCAC4-644-033993 Diam = 147.0 m = 10.4 m = 13.4</p>  <p>Dur = 22.5s Dmag = 3.1 Sun: 134° Moon: 81°</p>	<p>2014 feb 5 22h19.4m A14_02053 312 Pierretta PPMX 4042602 Diam = 51.0 m = 12.3 m = 13.9</p>  <p>Dur = 5.0s Dmag = 1.8 Sun: 142° Moon: 65°</p>
<p>2014 feb 7 16h16.1m A14_02021 72 Feronia UCAC4-508-046490 Diam = 89.3 m = 12.0 m = 12.5</p>  <p>Dur = 7.7s Dmag = 1.0 Sun: 161° Moon: 63°</p>	<p>2014 feb 8 16h23.6m A14_02075 602 Marianna PPMX 4074878 Diam = 130.0 m = 11.6 m = 13.0</p>  <p>Dur = 11.6s Dmag = 1.7 Sun: 147° Moon: 41°</p>	<p>2014 feb 10 16h38.1m A14_02027 87 Sylvia UCAC4-584-044996 Diam = 271.0 m = 12.4 m = 12.4</p>  <p>Dur = 17.4s Dmag = 0.7 Sun: 166° Moon: 52°</p>	<p>2014 feb 10 20h10.4m A14_02043 168 Sibylla UCAC4-508-003652 Diam = 154.0 m = 10.9 m = 14.0</p>  <p>Dur = 6.3s Dmag = 3.1 Sun: 74° Moon: 61°</p>
<p>2014 feb 24 22h46.5m A14_02049 227 Philosophia UCAC4-575-041428 Diam = 90.1 m = 11.1 m = 13.8</p>  <p>Dur = 10.0s Dmag = 2.8 Sun: 139° Moon: 157°</p>	<p>2014 feb 25 17h45.4m A14_02038 142 Polana PPMX 5033591 Diam = 57.0 m = 12.0 m = 14.5</p>  <p>Dur = 38.1s Dmag = 2.7 Sun: 119° Moon: 169°</p>	<p>2014 mar 5 23h 4.7m A14_03041 155 Scylla UCAC4-575-046885 Diam = 49.5 m = 9.6 m = 14.5</p>  <p>Dur = 5.0s Dmag = 4.9 Sun: 160° Moon: 111°</p>	<p>2014 mar 7 17h36.2m A14_03038 142 Polana UCAC4-565-028114 Diam = 57.0 m = 10.6 m = 14.7</p>  <p>Dur = 10.1s Dmag = 4.1 Sun: 110° Moon: 30°</p>

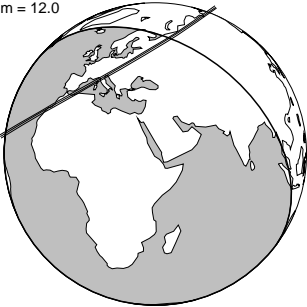
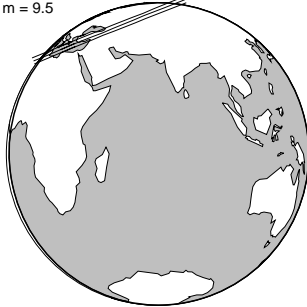
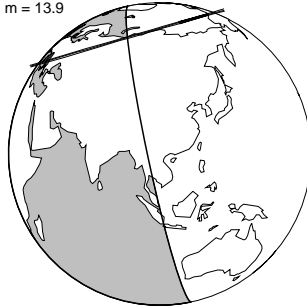
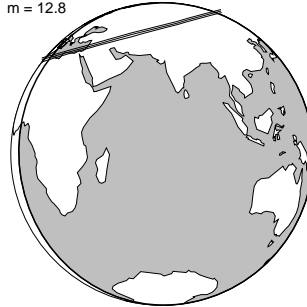
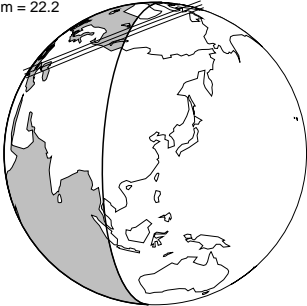
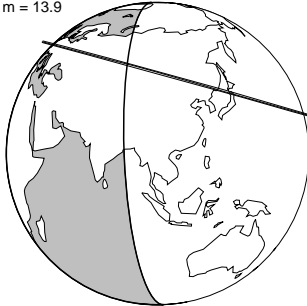

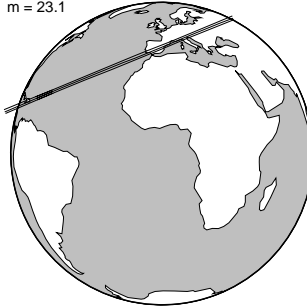
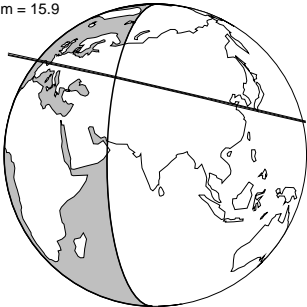
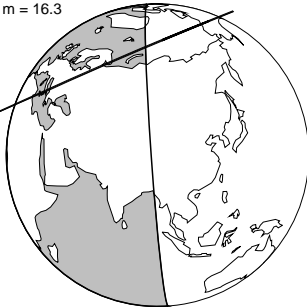
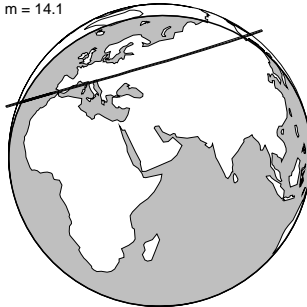
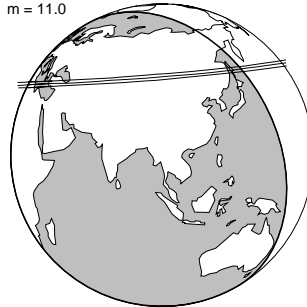
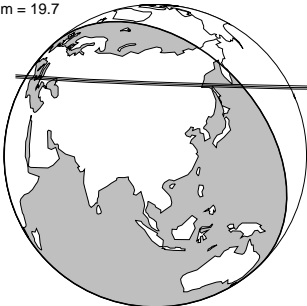
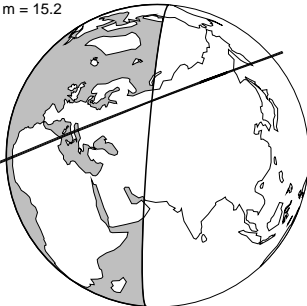
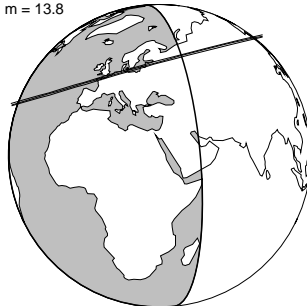
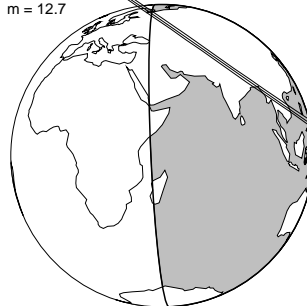
Occultations by major and minor planets – 2014

Region 5

<p>2014 mar 10 17h28.0m A14_03013 20 Massalia UCAC4-544-006971 Diam = 151.0 m = 12.5 m = 10.9</p> <p>Dur = 4.8s Dmag = 0.2 Sun: 65° Moon: 48°</p>	<p>2014 mar 10 20h38.6m A14_03109 15440 1998WX4 UCAC4-601-049012 Diam = 63.1 m = 10.7 m = 16.4</p> <p>Dur = 3.6s Dmag = 5.7 Sun: 153° Moon: 59°</p>	<p>2014 mar 11 21h 2.6m A14_03097 1021 Flammario N25d 272253 Diam = 103.0 m = 12.1 m = 13.4</p> <p>Dur = 10.3s Dmag = 1.6 Sun: 109° Moon: 19°</p>	<p>2014 mar 11 22h39.5m A14_03002 2 Pallas UCAC4-429-049602 Diam = 523.0 m = 11.9 m = 7.1</p> <p>Dur = 30.4s Dmag = 0.0 Sun: 151° Moon: 32°</p>
<p>2014 mar 21 19h13.2m A14_03062 444 Gytis S02b 601738 Diam = 170.0 m = 10.7 m = 12.4</p> <p>Dur = 11.2s Dmag = 1.9 Sun: 171° Moon: 68°</p>	<p>2014 mar 28 1h 8.3m A14_03108 4835 1989BQ UCAC4-510-056726 Diam = 45.7 m = 10.8 m = 16.6</p> <p>Dur = 3.0s Dmag = 5.8 Sun: 149° Moon: 118°</p>	<p>2014 apr 3 23h 4.4m A14_04002 2 Pallas UCAC4-475-045313 Diam = 523.0 m = 11.3 m = 7.7</p> <p>Dur = 35.1s Dmag = 0.0 Sun: 130° Moon: 79°</p>	<p>2014 apr 4 16h32.1m A14_04031 110 Lydia UCAC4-577-043513 Diam = 89.1 m = 12.5 m = 12.9</p> <p>Dur = 18.8s Dmag = 1.0 Sun: 112° Moon: 54°</p>
<p>2014 apr 11 19h33.5m A14_04061 385 Ilmatar TYC 0832-00495-1 Diam = 94.1 m = 12.2 m = 11.7</p> <p>Dur = 20.2s Dmag = 0.5 Sun: 124° Moon: 15°</p>	<p>2014 apr 12 17h 3.2m A14_04036 134 Sophrosyne UCAC4-611-021862 Diam = 107.0 m = 10.1 m = 13.6</p> <p>Dur = 3.2s Dmag = 3.5 Sun: 61° Moon: 89°</p>	<p>2014 apr 13 18h22.7m A14_04003 4 Vesta N02d 617174 Diam = 501.0 m = 12.3 m = 5.7</p> <p>Dur = 54.6s Dmag = 0.0 Sun: 167° Moon: 23°</p>	<p>2014 apr 15 18h33.9m A14_04087 886 Washingtonia PPMX 3995455 Diam = 93.3 m = 12.3 m = 14.8</p> <p>Dur = 3.1s Dmag = 2.6 Sun: 60° Moon: 124°</p>
<p>2014 apr 26 17h23.5m A14_04026 90 Antiope UCAC4-560-045512 Diam = 125.0 m = 11.7 m = 14.7</p> <p>Dur = 7.9s Dmag = 3.1 Sun: 85° Moon: 117°</p>	<p>2014 jun 13 21h20.0m A14_06020 45 Eugenia UCAC4-408-063753 Diam = 214.0 m = 12.4 m = 11.2</p> <p>Dur = 31.5s Dmag = 0.3 Sun: 149° Moon: 39°</p>	<p>2014 jul 14 18h50.4m A14_07056 206 Hersilia UCAC4-358-092121 Diam = 76.6 m = 11.3 m = 13.1</p> <p>Dur = 9.5s Dmag = 1.9 Sun: 147° Moon: 64°</p>	<p>2014 jul 22 23h48.2m A14_07004 16 Psyche UCAC4-380-163902 Diam = 264.0 m = 12.4 m = 9.7</p> <p>Dur = 28.1s Dmag = 0.1 Sun: 162° Moon: 119°</p>

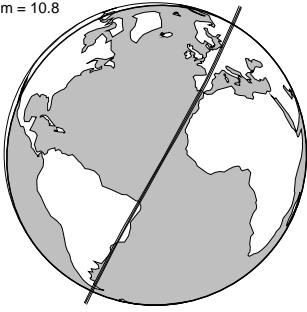
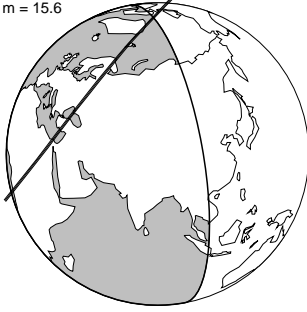
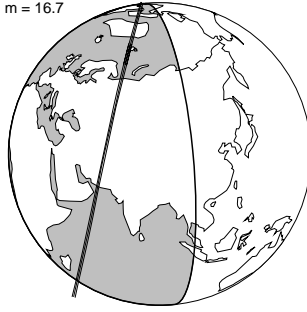
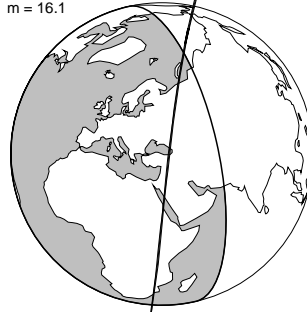
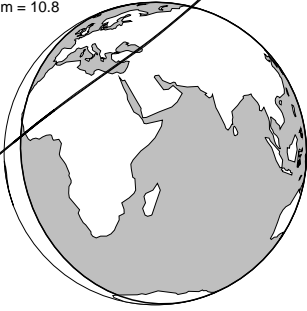
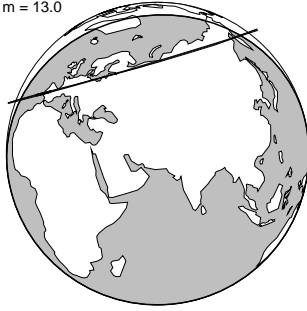
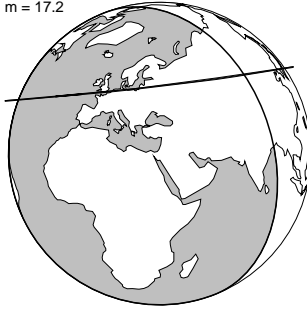
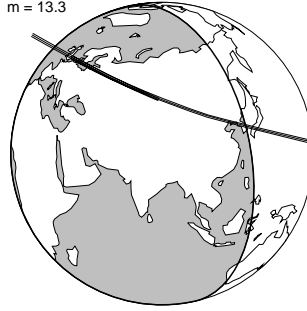
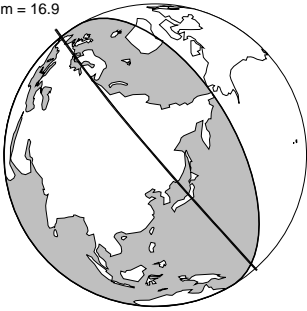
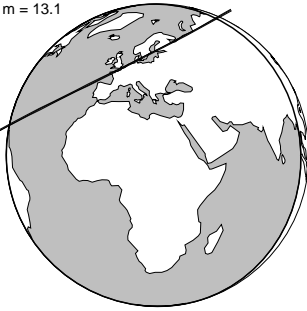
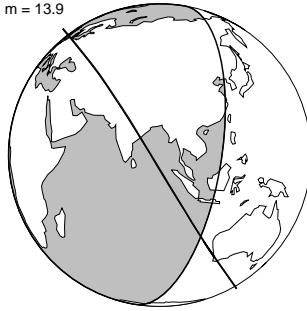
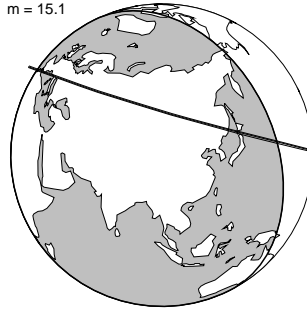
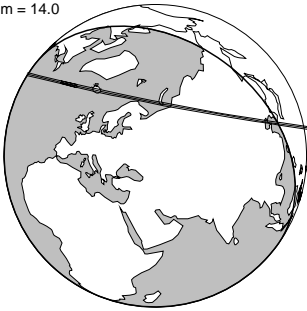
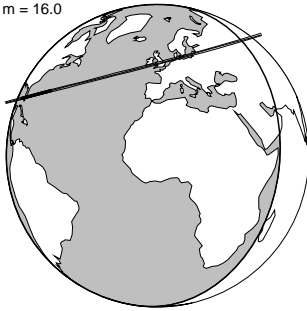
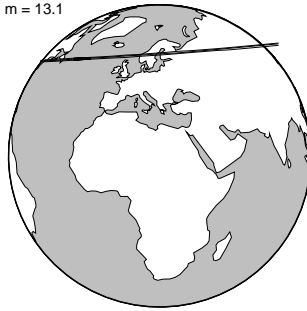
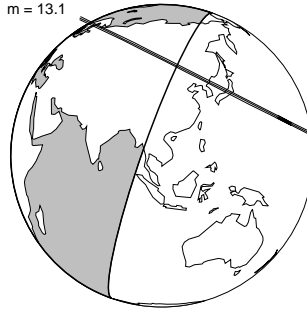
Occultations by major and minor planets – 2014

Region 5

<p>2014 jul 27 23h15.3m A14_07029 105 Artemis UCAC4-530-147907 Diam = 123.0 m = 11.6 m = 12.0</p>  <p>Dur = 20.8s Dmag = 1.0 Sun: 135° Moon: 147°</p>	<p>2014 aug 16 18h39.6m A14_08009 16 Psyche UCAC4-371-180912 Diam = 264.0 m = 10.1 m = 9.5</p>  <p>Dur = 25.6s Dmag = 0.5 Sun: 168° Moon: 92°</p>	<p>2014 aug 18 23h 6.2m A14_08024 66 Maja PPMX 5902412 Diam = 78.3 m = 11.9 m = 13.9</p>  <p>Dur = 3.6s Dmag = 2.1 Sun: 85° Moon: 13°</p>	<p>2014 aug 19 18h 1.1m A14_08034 147 Protogeneia UCAC4-371-179439 Diam = 137.0 m = 12.1 m = 12.8</p>  <p>Dur = 12.8s Dmag = 1.1 Sun: 161° Moon: 135°</p>
<p>2014 aug 30 23h13.4m B14_08002 78799 2002XW93 N32c 260359 Diam = 331.1 m = 14.8 m = 22.2</p>  <p>Dur = 22.4s Dmag = 7.4 Sun: 69° Moon: 128°</p>	<p>2014 sep 5 23h58.5m A14_09100 694 Ekard UCAC4-554-017516 Diam = 92.7 m = 11.7 m = 13.9</p>  <p>Dur = 4.2s Dmag = 2.3 Sun: 77° Moon: 146°</p>	<p>2014 sep 6 20h29.7m A14_09053 261 Prymno UCAC4-453-001352 Diam = 52.6 m = 9.4 m = 13.2</p>  <p>Dur = 6.5s Dmag = 3.8 Sun: 149° Moon: 63°</p>	<p>2014 sep 7 0h 1.3m B14_09006 2001QB298 UCAC4-426-133109 Diam = 158.5 m = 13.1 m = 23.1</p>  <p>Dur = 6.4s Dmag = 9.9 Sun: 178° Moon: 30°</p>
<p>2014 sep 8 1h54.9m A14_09114 983 Gunila UCAC4-559-025398 Diam = 77.3 m = 9.3 m = 15.9</p>  <p>Dur = 3.2s Dmag = 6.6 Sun: 71° Moon: 123°</p>	<p>2014 sep 10 23h41.1m A14_09090 591 Irmgard UCAC4-631-023603 Diam = 54.7 m = 12.3 m = 16.3</p>  <p>Dur = 3.1s Dmag = 4.0 Sun: 87° Moon: 66°</p>	<p>2014 sep 13 20h21.0m A14_09123 1306 Scythia UCAC4-545-147428 Diam = 69.5 m = 12.5 m = 14.1</p>  <p>Dur = 5.9s Dmag = 1.9 Sun: 157° Moon: 61°</p>	<p>2014 sep 15 19h42.1m A14_09025 88 Thisbe PPMX 5840951 Diam = 232.0 m = 12.4 m = 11.0</p>  <p>Dur = 45.5s Dmag = 0.3 Sun: 139° Moon: 48°</p>
<p>2014 sep 20 19h 0.3m B14_09003 54598 Bienor UCAC4-605-004990 Diam = 131.8 m = 13.4 m = 19.7</p>  <p>Dur = 7.5s Dmag = 6.4 Sun: 137° Moon: 104°</p>	<p>2014 sep 24 2h 4.7m A14_09119 1005 Arago PPMX 3089552 Diam = 62.7 m = 12.4 m = 15.2</p>  <p>Dur = 3.1s Dmag = 2.8 Sun: 86° Moon: 85°</p>	<p>2014 sep 25 2h28.5m A14_09065 363 Padua UCAC4-558-012820 Diam = 96.0 m = 10.7 m = 13.8</p>  <p>Dur = 11.1s Dmag = 3.2 Sun: 105° Moon: 115°</p>	<p>2014 sep 28 14h55.8m A14_09068 386 Siegena UCAC4-416-082630 Diam = 173.0 m = 12.1 m = 12.7</p>  <p>Dur = 9.9s Dmag = 1.1 Sun: 94° Moon: 45°</p>

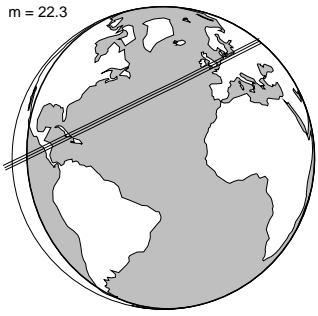
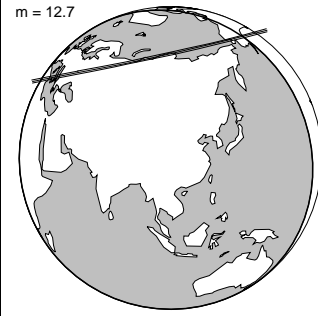
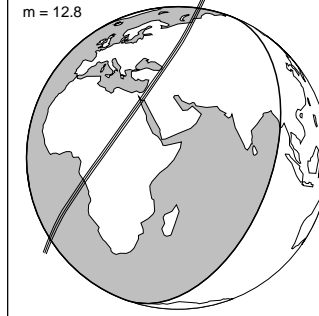
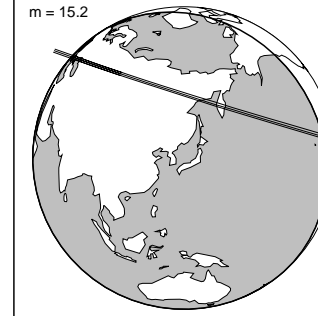
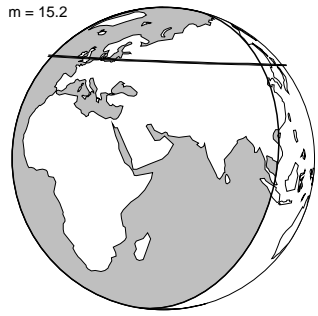
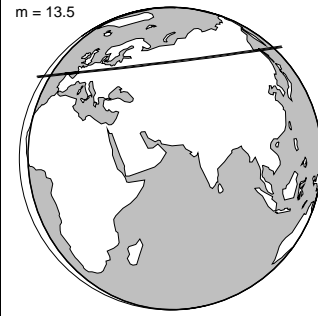
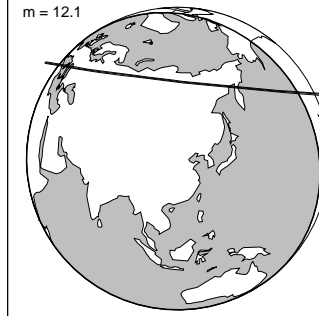
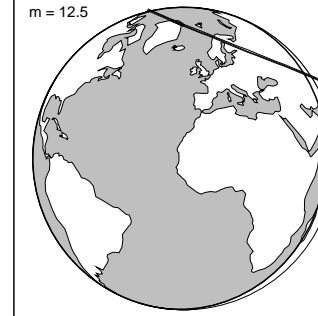
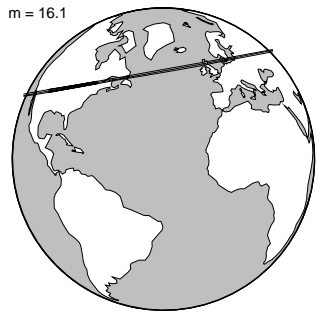
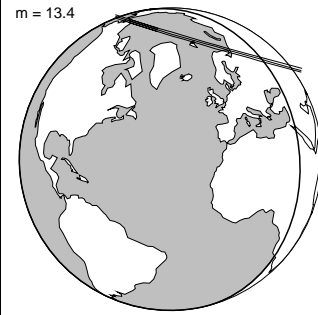
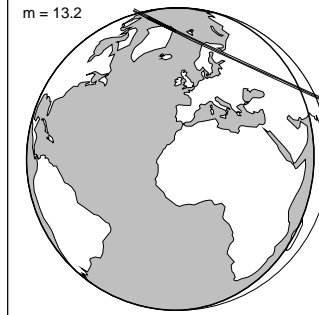
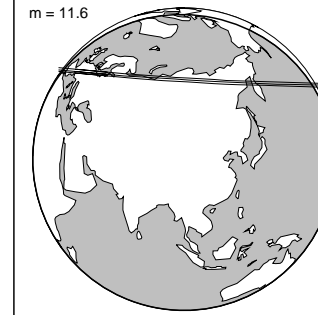
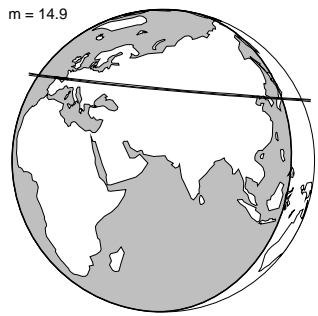
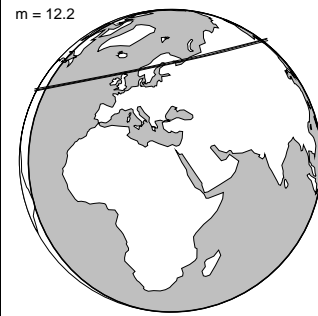
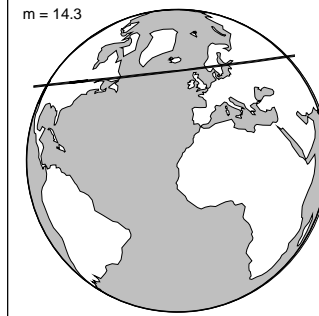
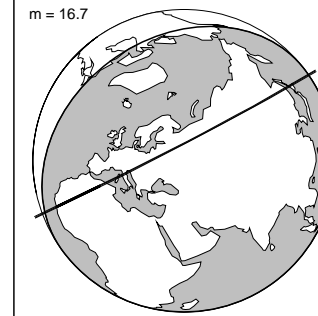
Occultations by major and minor planets – 2014

Region 5

<p>2014 sep 29 1h 4.2m A14_09072 393 Lampetia UCAC4-516-147077 Diam = 106.0 m = 11.9 m = 10.8</p>  <p>Dur = 10.8s Dmag = 0.3 Sun: 164° Moon: 117°</p>	<p>2014 sep 30 22h50.0m A14_09122 1118 Hanskya PPMX 3021150 Diam = 80.7 m = 12.3 m = 15.6</p>  <p>Dur = 10.5s Dmag = 3.3 Sun: 107° Moon: 158°</p>	<p>2014 oct 3 23h 5.4m A14_10124 1208 Troilus PPMX 3051564 Diam = 111.0 m = 12.1 m = 16.7</p>  <p>Dur = 7.4s Dmag = 4.6 Sun: 102° Moon: 133°</p>	<p>2014 oct 6 1h43.9m A14_10133 2008 Konstitutsiya UCAC4-657-030130 Diam = 52.5 m = 11.1 m = 16.1</p>  <p>Dur = 4.7s Dmag = 5.1 Sun: 111° Moon: 98°</p>
<p>2014 oct 7 18h45.7m A14_10066 270 Anahita HIP 113909 Diam = 52.2 m = 9.9 m = 10.8</p>  <p>Dur = 14.4s Dmag = 1.3 Sun: 152° Moon: 19°</p>	<p>2014 oct 12 19h18.6m A14_10040 170 Maria UCAC4-606-002419 Diam = 46.2 m = 11.7 m = 13.0</p>  <p>Dur = 4.2s Dmag = 1.6 Sun: 156° Moon: 56°</p>	<p>2014 oct 18 0h 2.8m A14_10137 4805 Asteropeios UCAC4-603-011967 Diam = 39.8 m = 11.6 m = 17.2</p>  <p>Dur = 4.3s Dmag = 5.6 Sun: 137° Moon: 74°</p>	<p>2014 oct 18 21h38.3m A14_10088 476 Hedwig UCAC4-617-019489 Diam = 121.0 m = 11.8 m = 13.3</p>  <p>Dur = 55.6s Dmag = 1.7 Sun: 125° Moon: 71°</p>
<p>2014 oct 20 18h45.8m A14_10138 4867 Polites N53c 301322 Diam = 55.0 m = 12.3 m = 16.9</p>  <p>Dur = 4.5s Dmag = 4.7 Sun: 122° Moon: 94°</p>	<p>2014 oct 26 23h25.4m A14_10075 374 Burgundia PPMX 5885213 Diam = 48.2 m = 12.3 m = 13.1</p>  <p>Dur = 3.8s Dmag = 1.2 Sun: 161° Moon: 162°</p>	<p>2014 oct 27 22h11.3m A14_10032 136 Austria PPMX 7033196 Diam = 41.7 m = 12.3 m = 13.9</p>  <p>Dur = 6.4s Dmag = 1.8 Sun: 113° Moon: 162°</p>	<p>2014 nov 2 19h43.8m A14_11095 1118 Hanskya UCAC4-653-027742 Diam = 80.7 m = 8.4 m = 15.1</p>  <p>Dur = 9.2s Dmag = 6.7 Sun: 138° Moon: 92°</p>
<p>2014 nov 5 22h 3.9m A14_11107 1467 Mashona UCAC4-705-029150 Diam = 112.0 m = 12.2 m = 14.0</p>  <p>Dur = 9.1s Dmag = 2.0 Sun: 140° Moon: 50°</p>	<p>2014 nov 6 2h25.9m A14_11110 2207 Antenor UCAC4-525-011728 Diam = 92.6 m = 12.4 m = 16.0</p>  <p>Dur = 7.9s Dmag = 3.6 Sun: 143° Moon: 46°</p>	<p>2014 nov 8 22h31.4m A14_11082 636 Erika UCAC4-554-005691 Diam = 78.3 m = 8.8 m = 13.1</p>  <p>Dur = 6.5s Dmag = 4.3 Sun: 175° Moon: 23°</p>	<p>2014 nov 9 23h31.8m A14_11013 38 Leda UCAC4-515-050906 Diam = 120.0 m = 12.1 m = 13.1</p>  <p>Dur = 5.4s Dmag = 1.3 Sun: 82° Moon: 60°</p>

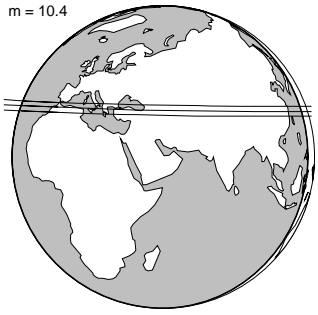

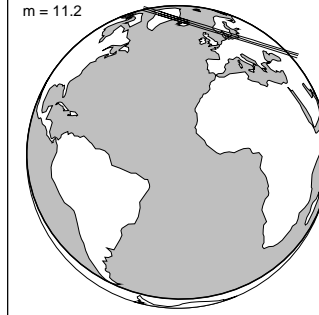
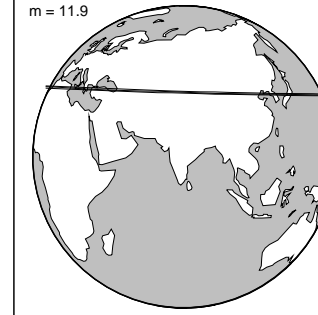
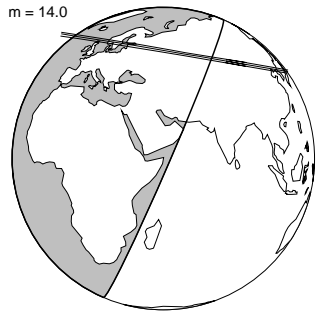
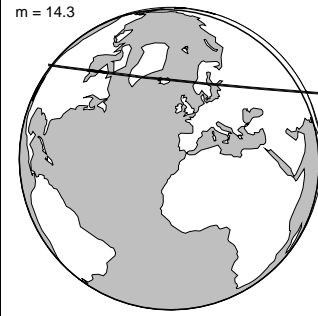
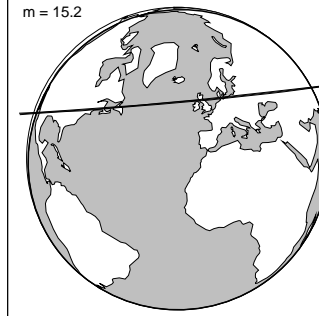
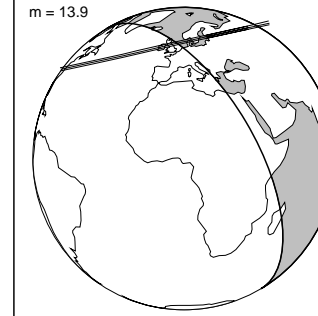
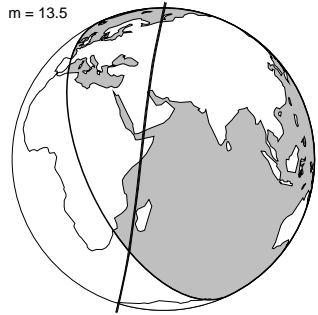
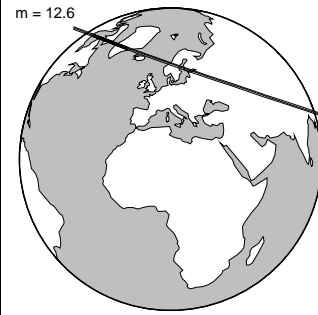
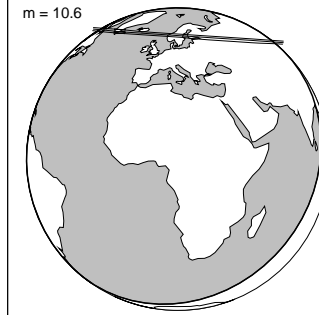
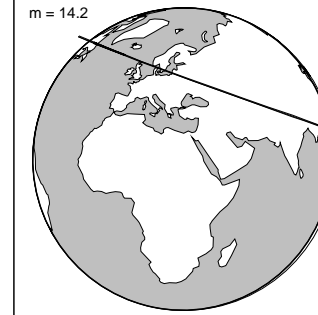
Occultations by major and minor planets – 2014

Region 5

<p>2014 nov 14 0h12.4m A14_11120 2001PK47 UCAC4-529-002580 Diam = 208.9 m = 11.4 m = 22.3</p>  <p>Dur = 9.4s Dmag = 10.9 Sun: 154° Moon: 109°</p>	<p>2014 nov 16 18h12.6m A14_11065 476 Hedwig UCAC4-615-017029 Diam = 121.0 m = 12.4 m = 12.7</p>  <p>Dur = 10.6s Dmag = 0.9 Sun: 156° Moon: 92°</p>	<p>2014 nov 18 23h49.7m A14_11044 238 Hypatia UCAC4-479-029299 Diam = 156.0 m = 11.7 m = 12.8</p>  <p>Dur = 26.4s Dmag = 1.4 Sun: 128° Moon: 89°</p>	<p>2014 nov 21 16h16.5m A14_11080 617 Patroclus PPMX 3022763 Diam = 149.0 m = 11.8 m = 15.2</p>  <p>Dur = 8.7s Dmag = 3.5 Sun: 154° Moon: 145°</p>
<p>2014 nov 23 22h59.0m A14_11048 294 Felicia UCAC4-536-034885 Diam = 59.6 m = 12.4 m = 15.2</p>  <p>Dur = 6.4s Dmag = 2.8 Sun: 138° Moon: 157°</p>	<p>2014 nov 27 18h18.6m A14_11084 636 Erika UCAC4-552-005453 Diam = 78.3 m = 12.2 m = 13.5</p>  <p>Dur = 7.6s Dmag = 1.6 Sun: 160° Moon: 92°</p>	<p>2014 nov 28 17h44.8m A14_11023 101 Helena UCAC4-646-031948 Diam = 68.3 m = 11.6 m = 12.1</p>  <p>Dur = 6.1s Dmag = 1.0 Sun: 154° Moon: 117°</p>	<p>2014 nov 29 2h 8.3m A14_11079 598 Octavia UCAC4-541-018095 Diam = 74.7 m = 9.2 m = 12.5</p>  <p>Dur = 7.9s Dmag = 3.3 Sun: 160° Moon: 114°</p>
<p>2014 dec 2 1h51.0m A14_12121 2674 Pandarus UCAC4-546-009053 Diam = 102.0 m = 12.5 m = 16.1</p>  <p>Dur = 5.7s Dmag = 3.7 Sun: 175° Moon: 51°</p>	<p>2014 dec 2 4h17.8m A14_12039 209 Dido UCAC4-615-037105 Diam = 149.0 m = 11.7 m = 13.4</p>  <p>Dur = 14.0s Dmag = 1.9 Sun: 148° Moon: 85°</p>	<p>2014 dec 7 2h16.5m A14_12056 404 Arsinoë PPMX 5048310 Diam = 101.0 m = 12.3 m = 13.2</p>  <p>Dur = 8.9s Dmag = 1.3 Sun: 154° Moon: 19°</p>	<p>2014 dec 9 17h35.2m A14_12024 139 Juewa PPMX 3030762 Diam = 164.0 m = 12.5 m = 11.6</p>  <p>Dur = 13.8s Dmag = 0.4 Sun: 162° Moon: 39°</p>
<p>2014 dec 11 21h51.0m A14_12066 465 Alekto UCAC4-568-040758 Diam = 76.6 m = 12.3 m = 14.9</p>  <p>Dur = 7.6s Dmag = 2.7 Sun: 147° Moon: 30°</p>	<p>2014 dec 14 20h26.2m A14_12012 66 Maja PPMX 4905855 Diam = 78.3 m = 12.3 m = 12.2</p>  <p>Dur = 11.2s Dmag = 0.7 Sun: 159° Moon: 113°</p>	<p>2014 dec 15 1h40.8m A14_12079 541 Deborah UCAC4-567-023291 Diam = 59.1 m = 14.3 m = 14.3</p>  <p>Dur = 4.5s Dmag = 2.2 Sun: 170° Moon: 87°</p>	<p>2014 dec 16 19h29.5m A14_12126 4867 Polites UCAC4-721-032825 Diam = 55.0 m = 11.9 m = 16.7</p>  <p>Dur = 3.2s Dmag = 4.8 Sun: 145° Moon: 122°</p>

Occultations by major and minor planets – 2014

Region 5

<p>2014 dec 16 21h43.6m A14_12003 10 Hygiea UCAC4-568-034194 Diam = 429.0 m = 12.3 m = 10.4</p>  <p>Dur = 31.6s Dmag = 0.2 Sun: 163° Moon: 99°</p>	<p>2014 dec 21 0h50.7m A14_12109 1149 Volga PPMX 6010942 Diam = 57.3 m = 12.3 m = 14.2</p>  <p>Dur = 4.4s Dmag = 2.1 Sun: 177° Moon: 166°</p>	<p>2014 dec 24 1h21.2m A14_12030 173 Ino UCAC4-468-013915 Diam = 159.0 m = 11.3 m = 11.2</p>  <p>Dur = 14.0s Dmag = 0.7 Sun: 159° Moon: 147°</p>	<p>2014 dec 24 18h55.5m A14_12021 124 Alkeste UCAC4-545-026445 Diam = 79.5 m = 10.8 m = 11.9</p>  <p>Dur = 6.1s Dmag = 1.4 Sun: 174° Moon: 146°</p>
<p>2014 dec 25 2h43.8m A14_12075 508 Princesonia N11c 459471 Diam = 147.0 m = 12.3 m = 14.0</p>  <p>Dur = 10.0s Dmag = 2.0 Sun: 92° Moon: 131°</p>	<p>2014 dec 26 1h41.3m A14_12096 844 Leontina UCAC4-621-039645 Diam = 66.1 m = 12.4 m = 14.3</p>  <p>Dur = 4.7s Dmag = 2.1 Sun: 164° Moon: 133°</p>	<p>2014 dec 29 0h45.6m A14_12119 1859 Kovalevskaya UCAC4-619-029078 Diam = 48.6 m = 12.3 m = 15.2</p>  <p>Dur = 3.3s Dmag = 2.9 Sun: 166° Moon: 79°</p>	<p>2014 dec 29 15h18.4m A14_12086 654 Zelinda UCAC4-481-133848 Diam = 132.0 m = 12.5 m = 13.9</p>  <p>Dur = 4.4s Dmag = 1.7 Sun: 61° Moon: 43°</p>
<p>2014 dec 29 16h35.2m A14_12097 931 Whitemora UCAC4-466-003720 Diam = 52.6 m = 11.7 m = 13.5</p>  <p>Dur = 7.1s Dmag = 2.0 Sun: 121° Moon: 24°</p>	<p>2014 dec 29 23h 8.3m A14_12060 404 Arsinoë UCAC4-574-027108 Diam = 101.0 m = 10.7 m = 12.6</p>  <p>Dur = 7.1s Dmag = 2.1 Sun: 176° Moon: 72°</p>	<p>2014 dec 30 0h30.7m A14_12014 69 Hesperia UCAC4-487-043513 Diam = 143.0 m = 11.7 m = 10.6</p>  <p>Dur = 18.0s Dmag = 0.3 Sun: 154° Moon: 96°</p>	<p>2014 dec 30 22h53.9m A14_12124 3754 Kathleen UCAC4-556-040651 Diam = 41.7 m = 8.8 m = 14.2</p>  <p>Dur = 3.4s Dmag = 5.4 Sun: 168° Moon: 74°</p>