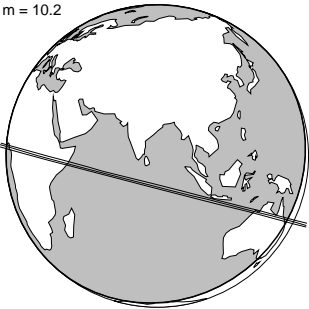
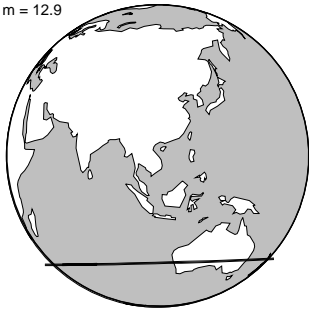
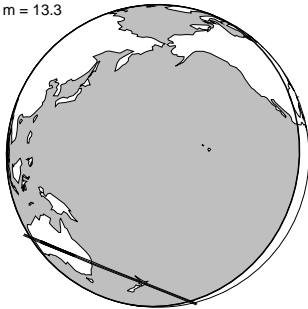
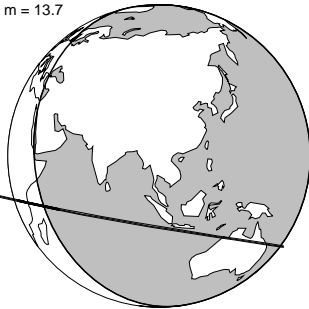
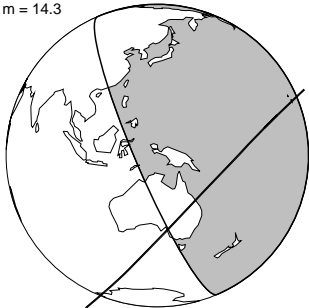
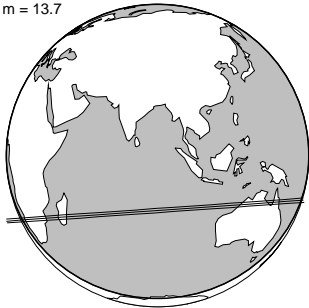
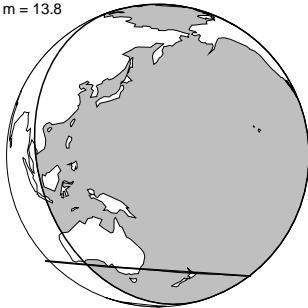
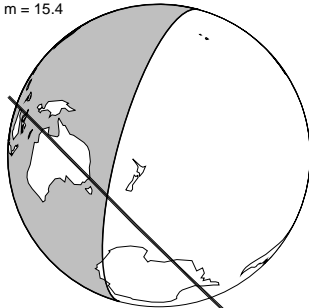
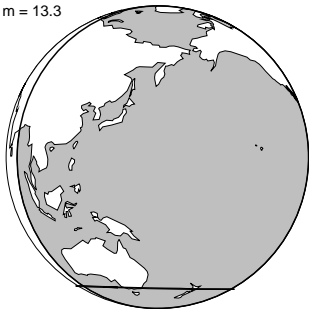
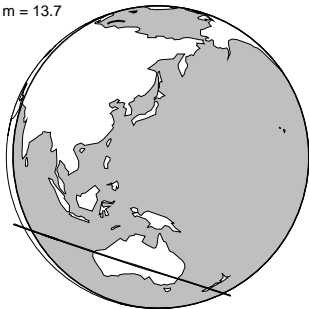
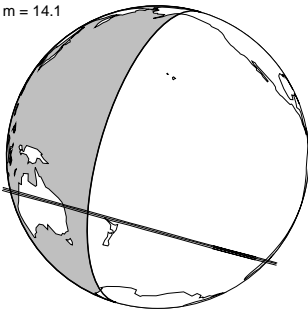
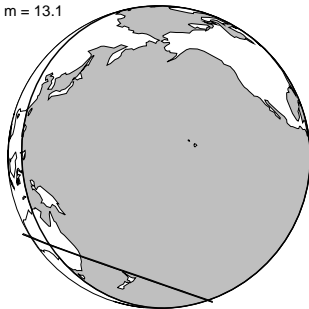
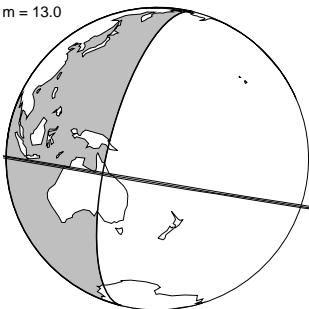
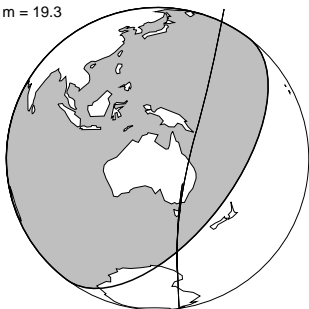
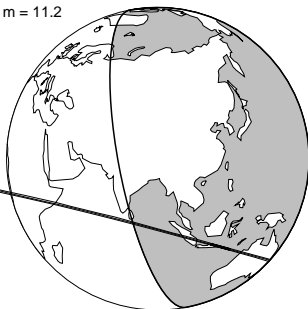
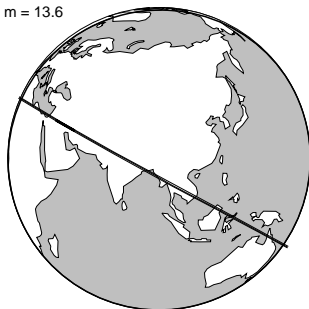


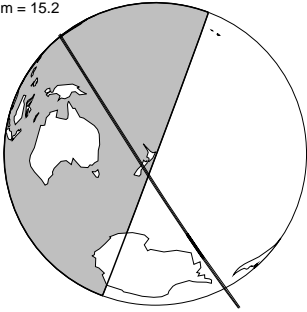
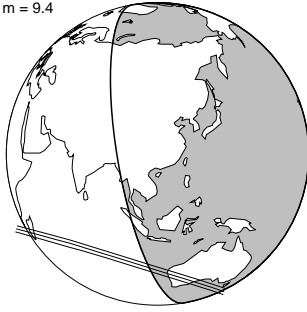
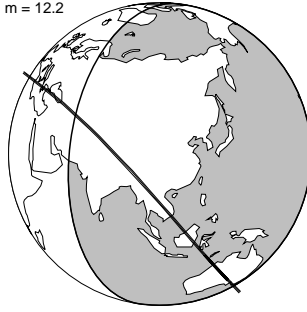
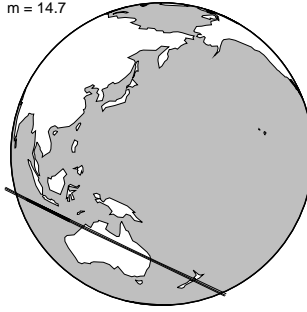
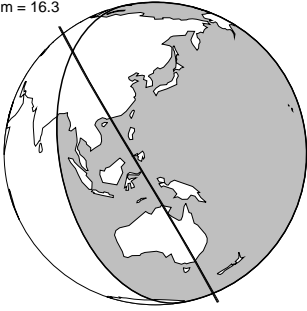
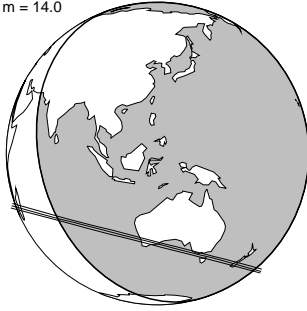
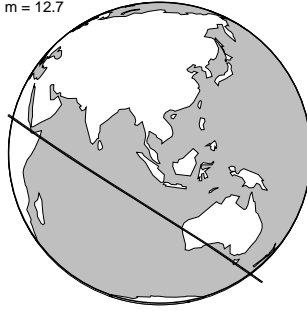
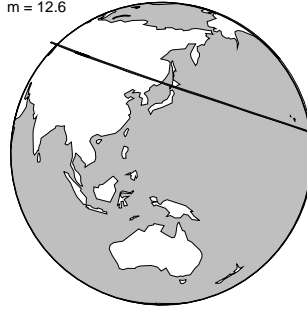
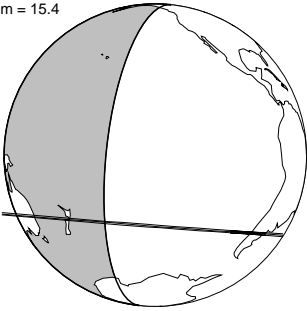
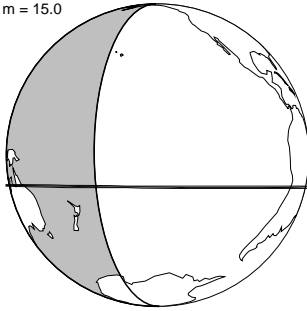
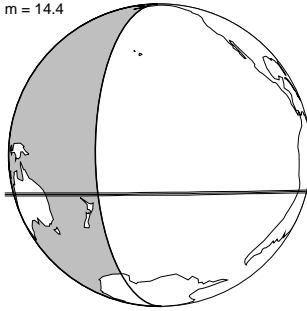
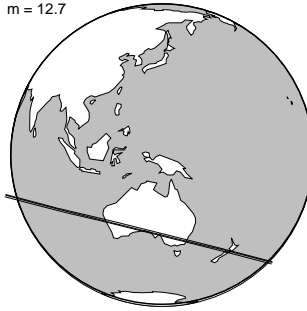
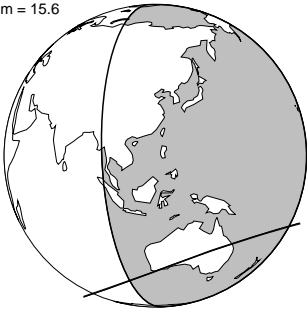
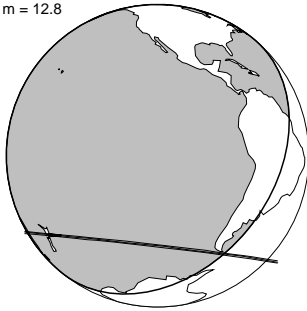
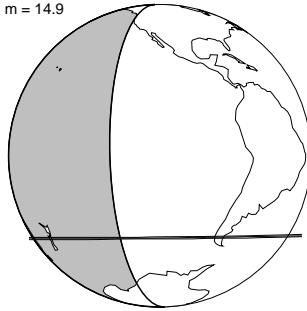
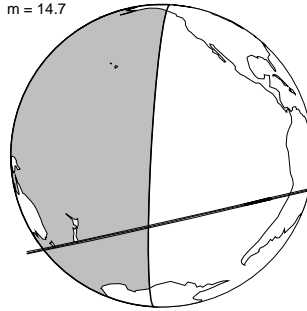
# Occultations by major and minor planets – 2012

# Region 8

<p><b>2012 jan 1 19h15.3m</b> A12_01009 39 Laetitia TYC 0769-00934-1 Diam = 159.0 m = 10.6 m = 10.2</p>  <p>Dur = 12.9s Dmag = 0.6 Sun: 161° Moon: 99°</p>	<p><b>2012 jan 3 16h35.4m</b> A12_01052 336 Lacadiera UCAC2 37688490 Diam = 72.0 m = 10.6 m = 12.9</p>  <p>Dur = 5.9s Dmag = 2.4 Sun: 172° Moon: 60°</p>	<p><b>2012 jan 5 13h20.9m</b> A12_01038 213 Lilaea UCAC2 38252192 Diam = 84.6 m = 11.0 m = 13.3</p>  <p>Dur = 6.6s Dmag = 2.5 Sun: 158° Moon: 65°</p>	<p><b>2012 jan 8 14h54.3m</b> A12_01060 380 Fiducia TYC 1279-02281-1 Diam = 76.3 m = 12.2 m = 13.7</p>  <p>Dur = 9.9s Dmag = 1.7 Sun: 145° Moon: 26°</p>
<p><b>2012 jan 9 9h54.7m</b> A12_01081 660 Crescentia HIP 9603 Diam = 44.2 m = 11.2 m = 14.3</p>  <p>Dur = 3.5s Dmag = 3.1 Sun: 98° Moon: 82°</p>	<p><b>2012 jan 12 18h14.7m</b> A12_01096 790 Pretoria UCAC2 32687256 Diam = 176.0 m = 11.9 m = 13.7</p>  <p>Dur = 10.2s Dmag = 2.0 Sun: 160° Moon: 41°</p>	<p><b>2012 jan 13 10h57.9m</b> A12_01064 417 Suevia UCAC2 36589831 Diam = 43.3 m = 12.0 m = 13.8</p>  <p>Dur = 5.5s Dmag = 2.0 Sun: 142° Moon: 88°</p>	<p><b>2012 jan 14 18h11.7m</b> A12_01109 1241 Dysona TYC 7288-01583-1 Diam = 86.2 m = 10.4 m = 15.4</p>  <p>Dur = 3.1s Dmag = 5.0 Sun: 73° Moon: 40°</p>
<p><b>2012 jan 19 12h 6.5m</b> A12_01030 158 Koronis TYC 1879-00902-1 Diam = 39.8 m = 11.7 m = 13.3</p>  <p>Dur = 4.0s Dmag = 1.8 Sun: 157° Moon: 153°</p>	<p><b>2012 jan 22 13h32.9m</b> A12_01080 655 Briseis TYC 1352-01481-1 Diam = 39.8 m = 11.5 m = 13.7</p>  <p>Dur = 3.5s Dmag = 2.4 Sun: 163° Moon: 173°</p>	<p><b>2012 jan 24 18h21.7m</b> A12_01077 596 Scheila UCAC2 27680153 Diam = 117.0 m = 11.4 m = 14.1</p>  <p>Dur = 3.8s Dmag = 2.7 Sun: 66° Moon: 84°</p>	<p><b>2012 jan 30 9h49.8m</b> A12_01098 808 Merxia TYC 1345-01037-1 Diam = 34.3 m = 9.3 m = 13.1</p>  <p>Dur = 4.4s Dmag = 3.9 Sun: 154° Moon: 75°</p>
<p><b>2012 jan 31 20h14.2m</b> A12_01058 346 Hermentaria TYC 5623-00509-1 Diam = 110.0 m = 10.8 m = 13.0</p>  <p>Dur = 4.3s Dmag = 2.4 Sun: 70° Moon: 165°</p>	<p><b>2012 feb 2 18h 8.7m</b> B12_02002 2010WZ71 UCAC2 23373933 Diam = 4.8 m = 13.6 m = 19.3</p>  <p>Dur = 3.0s Dmag = 5.7 Sun: 121° Moon: 117°</p>	<p><b>2012 feb 3 12h42.4m</b> A12_02012 115 Thyra TYC 1811-00546-1 Diam = 83.5 m = 10.6 m = 11.2</p>  <p>Dur = 5.8s Dmag = 1.1 Sun: 105° Moon: 24°</p>	<p><b>2012 feb 5 17h42.1m</b> A12_02033 411 Xanthe TYC 1953-00117-1 Diam = 79.0 m = 9.6 m = 13.6</p>  <p>Dur = 5.2s Dmag = 4.0 Sun: 168° Moon: 24°</p>

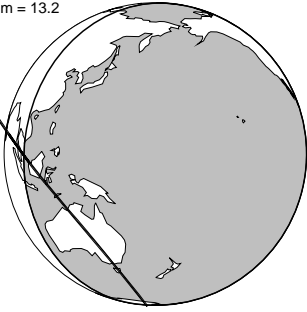
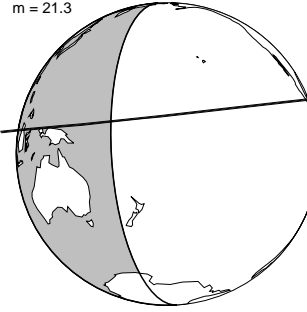
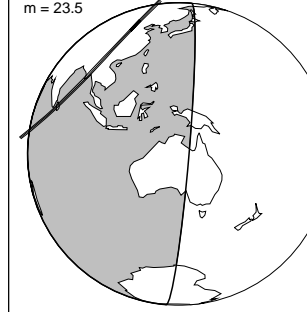
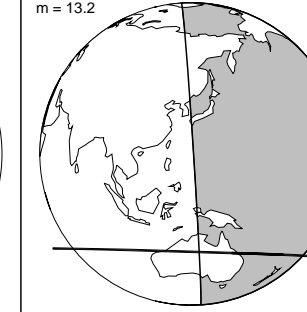
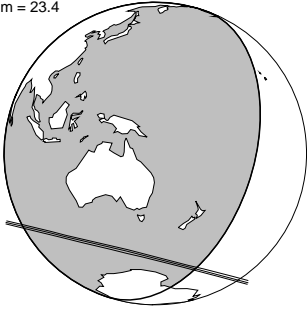
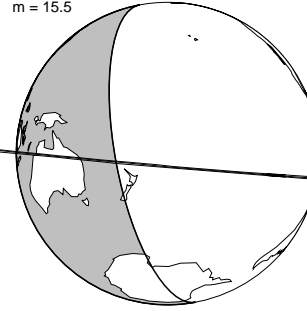
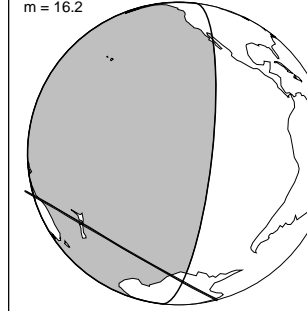
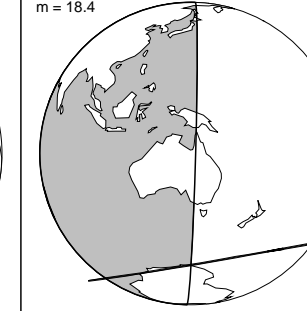
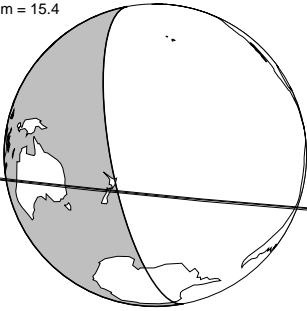
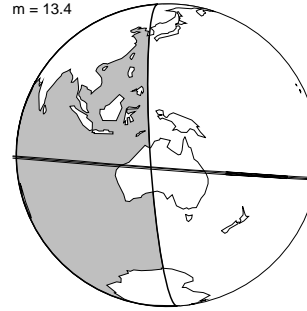
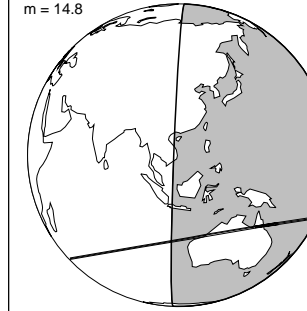
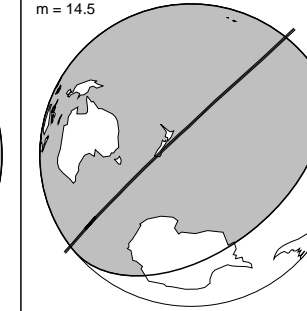
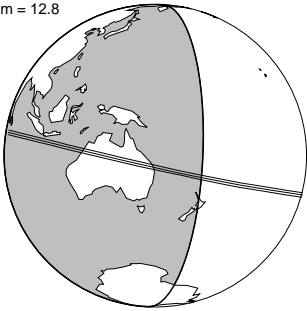
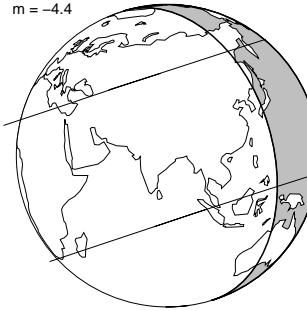
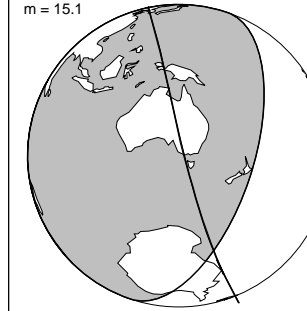
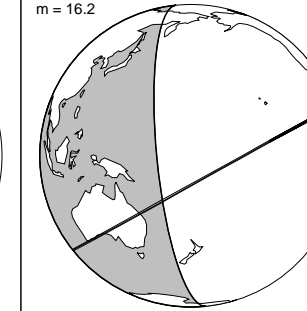
# Occultations by major and minor planets – 2012

# Region 8

<p><b>2012 feb 6 17h27.1m</b> A12_02061 1241 Dysona UCAC2 15521771 Diam = 86.2 m = 11.8 m = 15.2</p>  <p>Dur = 4.1s Dmag = 3.4 Sun: 90° Moon: 102°</p>	<p><b>2012 feb 7 11h35.3m</b> A12_02003 15 Eunomia UCAC2 41319904 Diam = 272.0 m = 11.8 m = 9.4</p>  <p>Dur = 21.0s Dmag = 0.1 Sun: 105° Moon: 70°</p>	<p><b>2012 feb 8 13h37.0m</b> A12_02011 109 Felicitas TYC 2413-01043-1 Diam = 91.0 m = 11.1 m = 12.2</p>  <p>Dur = 15.6s Dmag = 1.4 Sun: 126° Moon: 63°</p>	<p><b>2012 feb 10 13h50.8m</b> A12_02041 530 Turandot TYC 1410-00113-1 Diam = 89.3 m = 11.1 m = 14.7</p>  <p>Dur = 5.2s Dmag = 3.6 Sun: 176° Moon: 34°</p>
<p><b>2012 feb 11 12h 5.6m</b> A12_02072 5264 Telephus TYC 0730-01955-1 Diam = 45.7 m = 11.6 m = 16.3</p>  <p>Dur = 3.1s Dmag = 4.7 Sun: 129° Moon: 95°</p>	<p><b>2012 feb 13 13h29.6m</b> A12_02054 790 Pretoria UCAC2 32847366 Diam = 176.0 m = 11.8 m = 14.0</p>  <p>Dur = 14.7s Dmag = 2.4 Sun: 141° Moon: 107°</p>	<p><b>2012 feb 13 17h14.4m</b> A12_02044 585 Bilkis TYC 0242-00676-1 Diam = 60.3 m = 11.4 m = 12.7</p>  <p>Dur = 6.8s Dmag = 1.5 Sun: 171° Moon: 75°</p>	<p><b>2012 feb 15 15h40.1m</b> A12_02018 207 Hedda UCAC2 37541567 Diam = 60.0 m = 11.5 m = 12.6</p>  <p>Dur = 5.9s Dmag = 1.4 Sun: 171° Moon: 97°</p>
<p><b>2012 feb 16 16h19.7m</b> A12_02042 570 Kythera TYC 6231-02093-1 Diam = 106.0 m = 11.1 m = 15.4</p>  <p>Dur = 4.3s Dmag = 4.4 Sun: 71° Moon: 6°</p>	<p><b>2012 feb 26 17h 9.8m</b> A12_02038 449 Hamburga TYC 6843-02324-1 Diam = 88.6 m = 8.7 m = 15.0</p>  <p>Dur = 3.1s Dmag = 6.3 Sun: 65° Moon: 119°</p>	<p><b>2012 feb 26 17h38.3m</b> A12_02014 171 Ophelia UCAC2 22973108 Diam = 121.0 m = 11.8 m = 14.4</p>  <p>Dur = 4.2s Dmag = 2.7 Sun: 64° Moon: 119°</p>	<p><b>2012 feb 28 15h 0.2m</b> A12_02031 407 Arachne UCAC2 31168027 Diam = 97.0 m = 11.8 m = 12.7</p>  <p>Dur = 7.6s Dmag = 1.3 Sun: 170° Moon: 110°</p>
<p><b>2012 mar 1 11h38.9m</b> A12_03086 1199 Geldonia UCAC2 36961166 Diam = 35.5 m = 11.6 m = 15.6</p>  <p>Dur = 6.5s Dmag = 4.1 Sun: 110° Moon: 18°</p>	<p><b>2012 mar 3 9h44.4m</b> A12_03065 675 Ludmilla TYC 6117-01199-1 Diam = 86.7 m = 10.5 m = 12.8</p>  <p>Dur = 9.6s Dmag = 2.4 Sun: 140° Moon: 100°</p>	<p><b>2012 mar 5 14h50.1m</b> A12_03056 449 Hamburga UCAC2 22761206 Diam = 88.6 m = 11.3 m = 14.9</p>  <p>Dur = 3.5s Dmag = 3.7 Sun: 70° Moon: 146°</p>	<p><b>2012 mar 9 15h29.5m</b> A12_03034 205 Martha HIP 85875 Diam = 83.5 m = 7.0 m = 14.7</p>  <p>Dur = 4.2s Dmag = 7.7 Sun: 85° Moon: 78°</p>

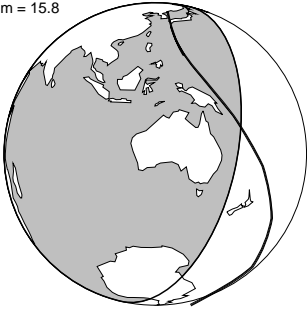
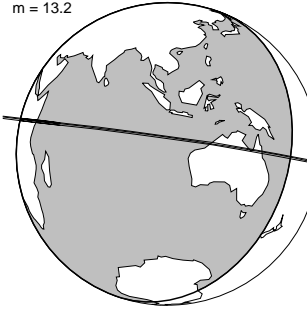
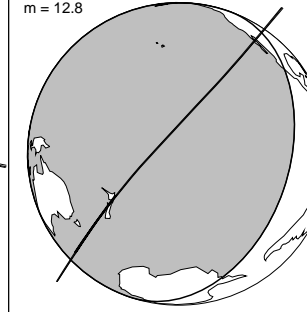
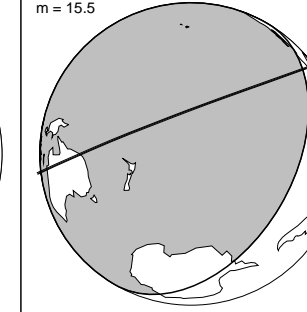
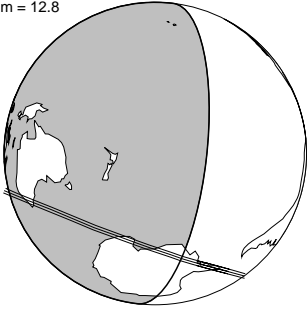
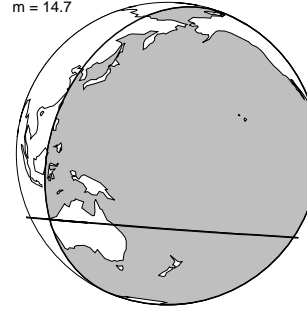
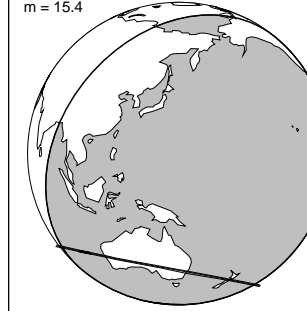
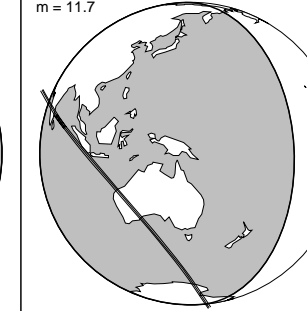
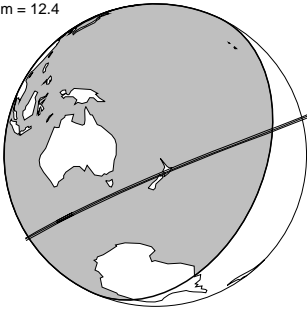
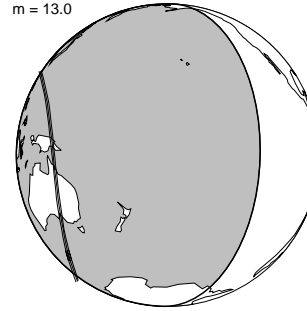
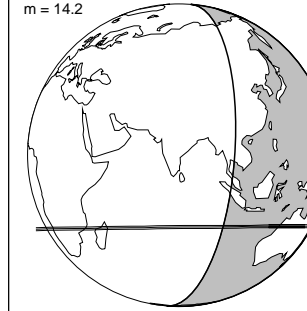
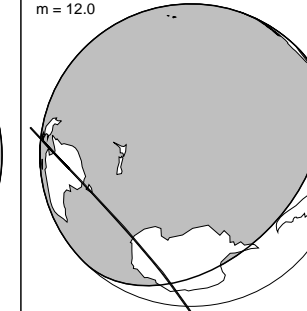
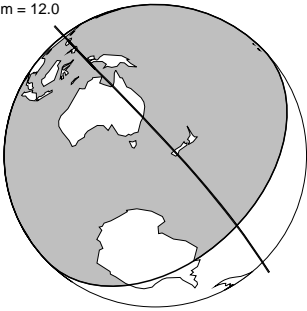
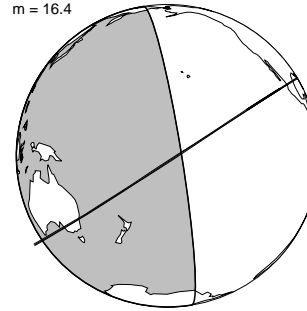
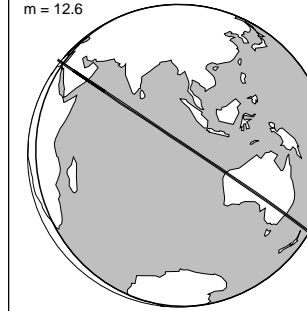
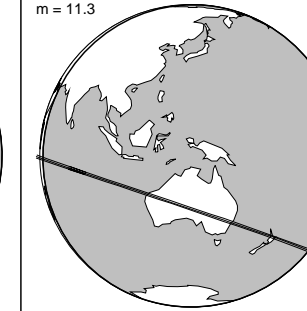
# Occultations by major and minor planets – 2012

# Region 8

<p><b>2012 mar 10 11h 6.5m</b> A12_03062 585 Bilkis TYC 0820-00356-1 Diam = 60.3 m = 9.6 m = 13.2</p>  <p>Dur = 9.5s Dmag = 3.6 Sun: 150° Moon: 58°</p>	<p><b>2012 mar 10 18h58.1m</b> B12_03002 83982 Crantor UCAC2 24702416 Diam = 57.5 m = 13.7 m = 21.3</p>  <p>Dur = 3.0s Dmag = 7.6 Sun: 68° Moon: 79°</p>	<p><b>2012 mar 11 20h50.5m</b> B12_03006 2001KO77 UCAC2 24627006 Diam = 100.0 m = 13.4 m = 23.5</p>  <p>Dur = 19.6s Dmag = 10.2 Sun: 93° Moon: 39°</p>	<p><b>2012 mar 12 9h19.3m</b> A12_03032 198 Ampella TYC 1304-01450-1 Diam = 58.7 m = 10.6 m = 13.2</p>  <p>Dur = 3.2s Dmag = 2.8 Sun: 89° Moon: 145°</p>
<p><b>2012 mar 12 16h58.8m</b> B12_03005 1999GS46 UCAC2 25545537 Diam = 144.5 m = 12.9 m = 23.4</p>  <p>Dur = 9.9s Dmag = 10.5 Sun: 130° Moon: 9°</p>	<p><b>2012 mar 16 18h46.9m</b> A12_03060 528 Rezia UCAC2 19282132 Diam = 86.2 m = 11.8 m = 15.5</p>  <p>Dur = 3.2s Dmag = 3.8 Sun: 69° Moon: 11°</p>	<p><b>2012 mar 17 13h41.4m</b> A12_03082 1041 Asta UCAC2 22949898 Diam = 60.6 m = 12.0 m = 16.2</p>  <p>Dur = 7.1s Dmag = 4.2 Sun: 102° Moon: 44°</p>	<p><b>2012 mar 17 20h38.4m</b> B12_03001 60558 Echeclus UCAC2 24648121 Diam = 52.5 m = 13.9 m = 18.4</p>  <p>Dur = 4.6s Dmag = 4.6 Sun: 91° Moon: 36°</p>
<p><b>2012 mar 20 18h18.6m</b> A12_03061 528 Rezia TYC 7424-00696-1 Diam = 86.2 m = 10.6 m = 15.4</p>  <p>Dur = 3.4s Dmag = 4.8 Sun: 72° Moon: 53°</p>	<p><b>2012 mar 23 21h33.0m</b> A12_03049 404 Arsinoë TYC 6284-01542-1 Diam = 101.0 m = 9.7 m = 13.4</p>  <p>Dur = 4.6s Dmag = 3.8 Sun: 83° Moon: 97°</p>	<p><b>2012 mar 24 10h56.3m</b> A12_03054 429 Lotis UCAC2 36434475 Diam = 70.3 m = 12.0 m = 14.8</p>  <p>Dur = 4.2s Dmag = 2.9 Sun: 91° Moon: 72°</p>	<p><b>2012 mar 29 13h31.1m</b> A12_03088 1241 Dysona TYC 8282-01693-1 Diam = 86.2 m = 9.9 m = 14.5</p>  <p>Dur = 7.7s Dmag = 4.6 Sun: 129° Moon: 134°</p>
<p><b>2012 mar 30 18h36.9m</b> A12_03027 128 Nemesis UCAC2 23177086 Diam = 194.0 m = 11.4 m = 12.8</p>  <p>Dur = 27.0s Dmag = 1.7 Sun: 108° Moon: 162°</p>	<p><b>2012 mar 31 9h23.3m</b> P12_03001 <del>Venus</del> HIP 16668 Diam = 12104.0 m = 8.4 m = -4.4</p>  <p>Dur = 619.7s Dmag = 0.0 Sun: 45° Moon: 51°</p>	<p><b>2012 apr 2 18h25.6m</b> A12_04058 860 Ursina UCAC2 15323166 Diam = 32.8 m = 11.2 m = 15.1</p>  <p>Dur = 6.0s Dmag = 4.0 Sun: 119° Moon: 111°</p>	<p><b>2012 apr 2 19h24.6m</b> A12_04061 892 Seeligeria UCAC2 31582257 Diam = 78.5 m = 11.8 m = 16.2</p>  <p>Dur = 3.4s Dmag = 4.4 Sun: 76° Moon: 154°</p>

# Occultations by major and minor planets – 2012

# Region 8

<p><b>2012 apr 2 19h31.4m</b> A12_04066 1149 Volga TYC 6807-00831-1 Diam = 57.3 m = 11.4 m = 15.8</p>  <p>Dur = 127.9s Dmag = 4.4 Sun: 122° Moon: 111°</p>	<p><b>2012 apr 6 19h21.9m</b> A12_04045 554 Peraga TYC 6763-00077-1 Diam = 98.5 m = 13.2</p>  <p>Dur = 13.3s Dmag = 2.1 Sun: 142° Moon: 37°</p>	<p><b>2012 apr 7 12h40.3m</b> A12_04027 161 Athor UCAC2 21109150 Diam = 45.7 m = 10.9 m = 12.8</p>  <p>Dur = 9.2s Dmag = 2.1 Sun: 137° Moon: 32°</p>	<p><b>2012 apr 7 12h54.9m</b> A12_04056 778 Theobalda UCAC2 15772636 Diam = 67.3 m = 10.9 m = 15.5</p>  <p>Dur = 7.2s Dmag = 4.5 Sun: 133° Moon: 36°</p>
<p><b>2012 apr 8 15h36.3m</b> A12_04053 702 Alauda TYC 7890-01339-1 Diam = 202.0 m = 12.0 m = 12.8</p>  <p>Dur = 36.7s Dmag = 1.2 Sun: 109° Moon: 45°</p>	<p><b>2012 apr 9 10h11.0m</b> A12_04037 327 Columbia TYC 0846-01293-1 Diam = 35.5 m = 11.3 m = 14.7</p>  <p>Dur = 4.9s Dmag = 3.5 Sun: 140° Moon: 76°</p>	<p><b>2012 apr 9 12h14.6m</b> A12_04068 1558 Jamefelt TYC 1437-00852-1 Diam = 68.1 m = 11.0 m = 15.4</p>  <p>Dur = 8.1s Dmag = 4.4 Sun: 141° Moon: 75°</p>	<p><b>2012 apr 9 17h20.3m</b> A12_04005 28 Bellona UCAC2 28931344 Diam = 126.0 m = 11.6 m = 11.7</p>  <p>Dur = 22.0s Dmag = 0.8 Sun: 132° Moon: 14°</p>
<p><b>2012 apr 12 15h17.6m</b> A12_04013 78 Diana TYC 7334-01565-1 Diam = 116.0 m = 10.2 m = 12.4</p>  <p>Dur = 17.9s Dmag = 2.4 Sun: 136° Moon: 40°</p>	<p><b>2012 apr 13 14h27.9m</b> A12_04049 596 Scheila UCAC2 25111057 Diam = 117.0 m = 10.9 m = 13.0</p>  <p>Dur = 32.0s Dmag = 2.2 Sun: 127° Moon: 40°</p>	<p><b>2012 apr 15 11h22.5m</b> A12_04025 156 Xanthippe UCAC2 37505549 Diam = 126.0 m = 11.9 m = 14.2</p>  <p>Dur = 5.0s Dmag = 2.4 Sun: 68° Moon: 134°</p>	<p><b>2012 apr 15 11h55.1m</b> A12_04023 132 Aethra UCAC2 11583294 Diam = 47.0 m = 11.7 m = 12.0</p>  <p>Dur = 6.6s Dmag = 0.9 Sun: 135° Moon: 81°</p>
<p><b>2012 apr 15 15h27.9m</b> A12_04024 132 Aethra TYC 8300-00463-1 Diam = 47.0 m = 12.0 m = 12.0</p>  <p>Dur = 6.6s Dmag = 0.6 Sun: 135° Moon: 83°</p>	<p><b>2012 apr 15 16h42.2m</b> A12_04070 2196 Ellicott TYC 5717-00852-1 Diam = 62.2 m = 10.6 m = 16.4</p>  <p>Dur = 4.5s Dmag = 5.9 Sun: 95° Moon: 33°</p>	<p><b>2012 apr 16 16h23.0m</b> A12_04052 675 Ludmilla TYC 6102-01671-1 Diam = 86.7 m = 10.1 m = 12.6</p>  <p>Dur = 6.4s Dmag = 2.6 Sun: 160° Moon: 143°</p>	<p><b>2012 apr 17 14h19.8m</b> A12_04007 37 Fides TYC 4956-01085-1 Diam = 112.0 m = 11.0 m = 11.3</p>  <p>Dur = 9.0s Dmag = 0.9 Sun: 167° Moon: 151°</p>

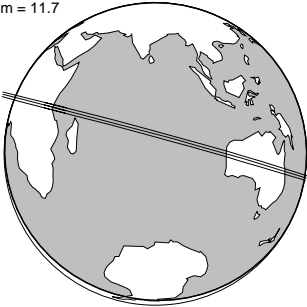
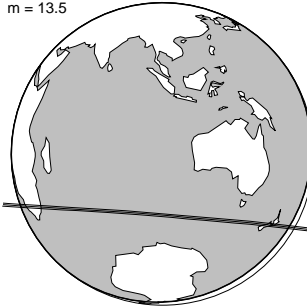
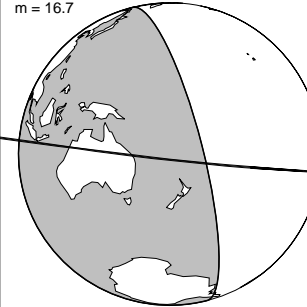
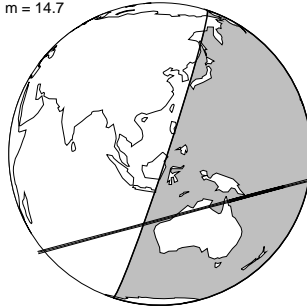
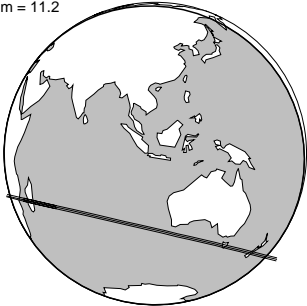
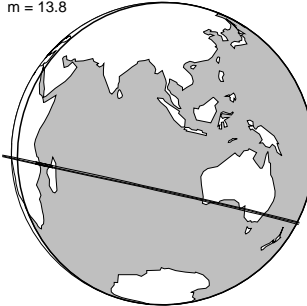
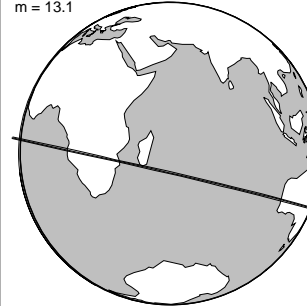
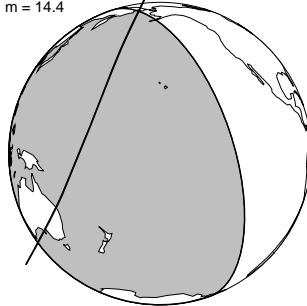
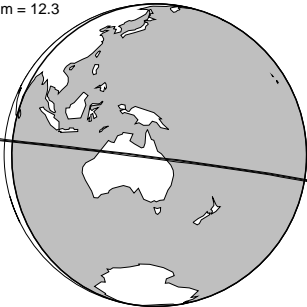
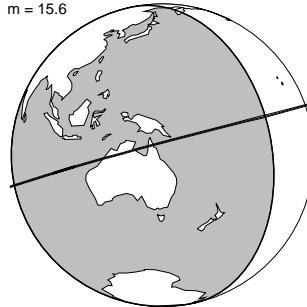
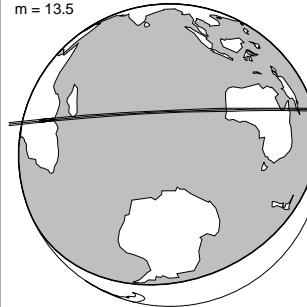
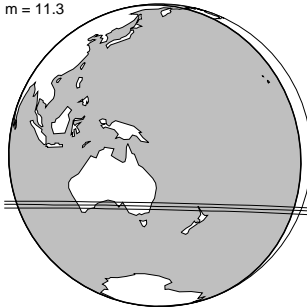
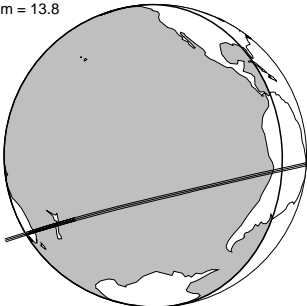
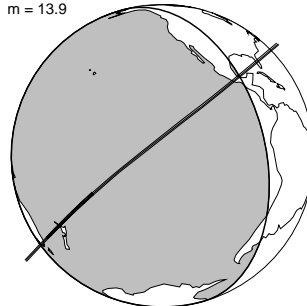
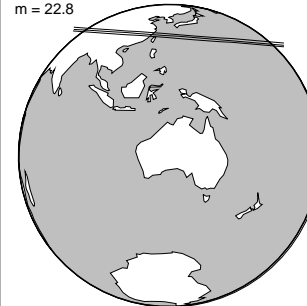
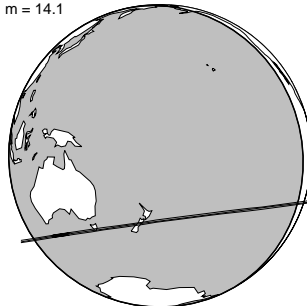
# Occultations by major and minor planets – 2012

# Region 8

<p><b>2012 apr 19 14h19.9m</b> A12_04067 1241 Dysona TYC 8268–03653–1 Diam = 86.2 m = 11.3 m = 14.2</p> <p>Dur = 7.2s Dmag = 3.0 Sun: 142° Moon: 135°</p>	<p><b>2012 apr 20 16h40.1m</b> A12_04016 89 Julia TYC 7803–01437–1 Diam = 159.0 m = 10.9</p> <p>Dur = 12.6s Dmag = 0.3 Sun: 152° Moon: 152°</p>	<p><b>2012 apr 22 7h51.5m</b> A12_04031 203 Pompeja TYC 1884–01092–1 Diam = 120.0 m = 10.5 m = 14.6</p> <p>Dur = 4.2s Dmag = 4.1 Sun: 66° Moon: 56°</p>	<p><b>2012 apr 25 10h59.8m</b> P12_04002 Mars TYC 0841–00857–1 Diam = 6759.2 m = -0.1</p> <p>Dur = 1843.2s Dmag = 0.0 Sun: 118° Moon: 74°</p>
<p><b>2012 apr 25 14h30.4m</b> A12_04060 872 Holda TYC 5670–00275–1 Diam = 33.5 m = 12.3 m = 14.0</p> <p>Dur = 7.6s Dmag = 2.0 Sun: 133° Moon: 173°</p>	<p><b>2012 apr 27 12h42.1m</b> A12_04059 866 Fatme UCAC2 30379741 Diam = 91.7 m = 11.7 m = 13.8</p> <p>Dur = 6.8s Dmag = 2.2 Sun: 169° Moon: 112°</p>	<p><b>2012 apr 29 19h53.9m</b> B12_04002 120061 2003C01 UCAC2 23170662 Diam = 55.0 m = 13.0 m = 20.2</p> <p>Dur = 3.7s Dmag = 7.2 Sun: 141° Moon: 123°</p>	<p><b>2012 apr 30 8h 8.7m</b> A12_04019 116 Sirona TYC 4950–00407–1 Diam = 75.5 m = 11.1 m = 11.4</p> <p>Dur = 10.6s Dmag = 0.9 Sun: 153° Moon: 54°</p>
<p><b>2012 may 1 7h 1.1m</b> B12_05007 2002FX36 UCAC2 33046500 Diam = 166.0 m = 12.9 m = 23.3</p> <p>Dur = 12.0s Dmag = 10.3 Sun: 127° Moon: 14°</p>	<p><b>2012 may 1 8h18.5m</b> A12_05023 223 Rosa TYC 1391–01183–1 Diam = 90.7 m = 11.8 m = 15.1</p> <p>Dur = 4.4s Dmag = 3.4 Sun: 83° Moon: 31°</p>	<p><b>2012 may 1 13h53.5m</b> A12_05054 60558 Echeclus UCAC2 24648505 Diam = 52.5 m = 11.4 m = 18.0</p> <p>Dur = 5.7s Dmag = 6.7 Sun: 135° Moon: 108°</p>	<p><b>2012 may 1 19h19.1m</b> A12_05014 124 Alkeste TYC 6187–00433–1 Diam = 79.5 m = 11.4 m = 11.4</p> <p>Dur = 9.5s Dmag = 0.7 Sun: 161° Moon: 79°</p>
<p><b>2012 may 3 15h14.6m</b> A12_05039 756 Lilliana TYC 5029–00526–1 Diam = 73.0 m = 11.0 m = 13.5</p> <p>Dur = 5.7s Dmag = 2.6 Sun: 162° Moon: 50°</p>	<p><b>2012 may 3 17h11.7m</b> A12_05040 804 Hispania TYC 7465–00990–1 Diam = 140.6 m = 10.9 m = 12.6</p> <p>Dur = 9.9s Dmag = 1.9 Sun: 99° Moon: 112°</p>	<p><b>2012 may 4 14h11.6m</b> B12_05003 55576 Amycus UCAC2 17089449 Diam = 91.2 m = 13.0 m = 20.4</p> <p>Dur = 5.3s Dmag = 7.4 Sun: 145° Moon: 55°</p>	<p><b>2012 may 4 16h50.8m</b> A12_05016 132 Aethra TYC 7830–00502–1 Diam = 47.0 m = 11.1 m = 11.8</p> <p>Dur = 3.9s Dmag = 1.2 Sun: 153° Moon: 39°</p>

# Occultations by major and minor planets – 2012

# Region 8

<p><b>2012 may 4 18h 6.7m</b> A12_05027 324 Bamberga TYC 7295-00637-1 Diam = 227.6 m = 11.3</p>  <p>Dur = 14.5s Dmag = 1.0 Sun: 164° Moon: 23°</p>	<p><b>2012 may 8 17h55.4m</b> A12_05011 81 Terpsichore HIP 77374 Diam = 124.0 m = 9.2</p>  <p>Dur = 8.5s Dmag = 4.4 Sun: 164° Moon: 26°</p>	<p><b>2012 may 11 18h19.4m</b> A12_05051 1961 Dufour TYC 6926-00788-1 Diam = 55.5 m = 11.7</p>  <p>Dur = 6.1s Dmag = 5.0 Sun: 102° Moon: 12°</p>	<p><b>2012 may 12 10h 9.0m</b> A12_05038 754 Malabar HIP 45366 Diam = 89.1 m = 9.0</p>  <p>Dur = 4.4s Dmag = 5.6 Sun: 87° Moon: 175°</p>
<p><b>2012 may 13 17h23.2m</b> A12_05003 28 Bellona TYC 5044-00649-1 Diam = 126.0 m = 11.6</p>  <p>Dur = 10.4s Dmag = 0.6 Sun: 163° Moon: 91°</p>	<p><b>2012 may 16 16h17.3m</b> A12_05022 210 Isabella TYC 6152-00977-1 Diam = 90.0 m = 13.8</p>  <p>Dur = 7.2s Dmag = 2.7 Sun: 163° Moon: 150°</p>	<p><b>2012 may 16 19h34.1m</b> A12_05018 160 Una TYC 6180-01060-1 Diam = 85.0 m = 11.1</p>  <p>Dur = 6.9s Dmag = 2.2 Sun: 171° Moon: 142°</p>	<p><b>2012 may 17 14h34.1m</b> A12_05043 995 Sternberga TYC 5157-00386-1 Diam = 32.6 m = 11.0</p>  <p>Dur = 3.6s Dmag = 3.5 Sun: 118° Moon: 82°</p>
<p><b>2012 may 23 12h56.4m</b> A12_05015 127 Johanna TYC 6162-00647-1 Diam = 72.4 m = 10.4</p>  <p>Dur = 6.7s Dmag = 2.1 Sun: 161° Moon: 134°</p>	<p><b>2012 may 23 17h12.8m</b> A12_05041 943 Begonia TYC 6287-00785-1 Diam = 72.0 m = 11.6</p>  <p>Dur = 8.8s Dmag = 4.1 Sun: 136° Moon: 166°</p>	<p><b>2012 may 23 18h52.0m</b> A12_05048 1467 Mashona TYC 8726-01130-1 Diam = 112.0 m = 10.7</p>  <p>Dur = 10.1s Dmag = 2.9 Sun: 146° Moon: 144°</p>	<p><b>2012 may 25 15h 9.0m</b> A12_05008 52 Europa UCAC2 26267706 Diam = 278.0 m = 11.2</p>  <p>Dur = 23.0s Dmag = 0.8 Sun: 157° Moon: 150°</p>
<p><b>2012 may 29 10h45.0m</b> A12_05012 86 Semele UCAC2 22327379 Diam = 127.0 m = 11.7</p>  <p>Dur = 14.0s Dmag = 2.2 Sun: 146° Moon: 115°</p>	<p><b>2012 may 29 11h43.9m</b> A12_05045 1021 Flammario UCAC2 26116350 Diam = 103.0 m = 11.9</p>  <p>Dur = 22.5s Dmag = 2.1 Sun: 132° Moon: 129°</p>	<p><b>2012 may 29 15h56.0m</b> B12_05006 119067 2001KP76 UCAC2 20897724 Diam = 158.5 m = 13.1</p>  <p>Dur = 6.5s Dmag = 9.7 Sun: 171° Moon: 87°</p>	<p><b>2012 jun 6 13h11.3m</b> A12_06047 1015 Christa TYC 6265-01400-1 Diam = 101.0 m = 11.4</p>  <p>Dur = 8.3s Dmag = 2.8 Sun: 159° Moon: 10°</p>

# Occultations by major and minor planets – 2012

# Region 8

<p><b>2012 jun 7 17h51.2m</b> A12_06048 1021 Flammario UCAC2 25887671 Diam = 103.0 m = 11.6 m = 13.6</p> <p>Dur = 13.4s Dmag = 2.2 Sun: 142° Moon: 7°</p>	<p><b>2012 jun 8 10h54.7m</b> A12_06043 877 Walkure TYC 5582-00785-1 Diam = 39.6 m = 11.3 m = 15.1</p> <p>Dur = 4.6s Dmag = 3.9 Sun: 144° Moon: 88°</p>	<p><b>2012 jun 9 16h56.2m</b> B12_06007 2001KO77 UCAC2 24624652 Diam = 100.0 m = 13.3 m = 23.3</p> <p>Dur = 4.1s Dmag = 10.0 Sun: 175° Moon: 72°</p>	<p><b>2012 jun 10 20h 5.4m</b> A12_06056 1436 Salonta TYC 6296-00861-1 Diam = 63.6 m = 11.6 m = 14.8</p> <p>Dur = 6.4s Dmag = 3.2 Sun: 150° Moon: 54°</p>
<p><b>2012 jun 11 16h59.3m</b> A12_06005 51 Nemausa TYC 0569-00932-1 Diam = 152.3 m = 11.7 m = 12.2</p> <p>Dur = 11.8s Dmag = 1.1 Sun: 96° Moon: 10°</p>	<p><b>2012 jun 12 13h57.0m</b> A12_06011 104 Klymene UCAC2 21149880 Diam = 127.0 m = 11.7 m = 13.3</p> <p>Dur = 8.6s Dmag = 1.9 Sun: 174° Moon: 98°</p>	<p><b>2012 jun 12 20h51.4m</b> A12_06017 171 Ophelia UCAC2 22776867 Diam = 121.0 m = 12.0 m = 13.1</p> <p>Dur = 9.9s Dmag = 1.4 Sun: 162° Moon: 89°</p>	<p><b>2012 jun 14 11h56.8m</b> A12_06015 162 Laurentia TYC 0844-01390-1 Diam = 105.0 m = 12.0 m = 14.0</p> <p>Dur = 3.6s Dmag = 2.2 Sun: 70° Moon: 126°</p>
<p><b>2012 jun 14 17h 5.8m</b> A12_06045 1010 Marlene UCAC2 23662469 Diam = 45.2 m = 11.1 m = 14.6</p> <p>Dur = 3.6s Dmag = 3.5 Sun: 173° Moon: 132°</p>	<p><b>2012 jun 14 19h 2.7m</b> A12_06057 1467 Mashona TYC 8337-00563-1 Diam = 112.0 m = 12.4 m = 13.4</p> <p>Dur = 9.0s Dmag = 1.3 Sun: 148° Moon: 131°</p>	<p><b>2012 jun 15 8h52.2m</b> A12_06021 225 Henrietta TYC 0272-00194-1 Diam = 124.0 m = 12.1 m = 14.9</p> <p>Dur = 9.3s Dmag = 2.9 Sun: 91° Moon: 138°</p>	<p><b>2012 jun 15 18h 2.8m</b> A12_06033 568 Cheruskia TYC 5698-04432-1 Diam = 89.7 m = 11.2 m = 13.9</p> <p>Dur = 6.0s Dmag = 2.8 Sun: 163° Moon: 124°</p>
<p><b>2012 jun 18 9h18.0m</b> A12_06004 44 Nysa UCAC2 24183304 Diam = 73.3 m = 11.7 m = 10.6</p> <p>Dur = 5.9s Dmag = 0.3 Sun: 172° Moon: 160°</p>	<p><b>2012 jun 20 17h 6.8m</b> A12_06028 449 Hamburga UCAC2 22320143 Diam = 88.6 m = 11.9 m = 13.4</p> <p>Dur = 6.9s Dmag = 1.7 Sun: 170° Moon: 175°</p>	<p><b>2012 jun 20 18h35.2m</b> A12_06049 1021 Flammario TYC 6302-00258-1 Diam = 103.0 m = 12.5 m = 13.3</p> <p>Dur = 9.0s Dmag = 1.2 Sun: 156° Moon: 170°</p>	<p><b>2012 jun 21 14h51.8m</b> A12_06051 1118 Hanskyia TYC 7901-00264-1 Diam = 80.7 m = 11.9 m = 14.2</p> <p>Dur = 6.6s Dmag = 2.5 Sun: 164° Moon: 154°</p>

# Occultations by major and minor planets – 2012

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<p><b>2012 jun 22 17h32.3m</b> A12_06044 892 Seeligeria UCAC2 33650292 Diam = 78.5 m = 11.9 m = 15.4</p> <p>Dur = 6.9s Dmag = 3.5 Sun: 141° Moon: 158°</p>	<p><b>2012 jun 23 14h49.2m</b> A12_06053 1233 Kobresia UCAC2 23759170 Diam = 34.5 m = 11.3 m = 14.7</p> <p>Dur = 4.8s Dmag = 3.5 Sun: 153° Moon: 160°</p>	<p><b>2012 jun 23 18h27.8m</b> A12_06010 94 Aurora TYC 7430-00743-1 Diam = 212.0 m = 11.7 m = 12.6</p> <p>Dur = 17.8s Dmag = 1.3 Sun: 157° Moon: 148°</p>	<p><b>2012 jun 24 18h42.8m</b> A12_06008 67 Asia TYC 5740-01268-1 Diam = 60.0 m = 10.3 m = 10.8</p> <p>Dur = 16.7s Dmag = 1.0 Sun: 148° Moon: 149°</p>
<p><b>2012 jun 26 11h20.0m</b> A12_06032 546 Herodias TYC 7967-01306-1 Diam = 69.7 m = 10.6 m = 14.2</p> <p>Dur = 6.6s Dmag = 3.6 Sun: 145° Moon: 120°</p>	<p><b>2012 jun 27 6h 3.2m</b> A12_06030 489 Comacina TYC 0287-00697-1 Diam = 144.0 m = 10.9 m = 14.1</p> <p>Dur = 7.5s Dmag = 3.2 Sun: 83° Moon: 14°</p>	<p><b>2012 jun 27 6h18.2m</b> B12_06002 55576 Amycus UCAC2 17085600 Diam = 91.2 m = 13.1 m = 20.4</p> <p>Dur = 4.6s Dmag = 7.3 Sun: 155° Moon: 67°</p>	<p><b>2012 jun 27 9h19.2m</b> A12_06018 174 Phaedra TYC 7456-01004-1 Diam = 71.7 m = 11.4 m = 12.1</p> <p>Dur = 9.8s Dmag = 1.2 Sun: 150° Moon: 112°</p>
<p><b>2012 jun 27 15h 0.1m</b> B12_06005 60558 Echeclus UCAC2 24881734 Diam = 52.5 m = 13.3 m = 17.7</p> <p>Dur = 3.1s Dmag = 4.4 Sun: 164° Moon: 70°</p>	<p><b>2012 jun 27 15h 1.0m</b> A12_06009 67 Asia UCAC2 29009536 Diam = 60.0 m = 11.0 m = 10.7</p> <p>Dur = 14.9s Dmag = 0.6 Sun: 150° Moon: 111°</p>	<p><b>2012 jun 28 9h59.7m</b> A12_06003 28 Bellona UCAC2 29659647 Diam = 126.0 m = 11.9 m = 11.9</p> <p>Dur = 21.4s Dmag = 0.7 Sun: 134° Moon: 33°</p>	<p><b>2012 jun 28 12h32.0m</b> A12_06060 2127 Tanya HIP 109087 Diam = 42.5 m = 8.8 m = 16.1</p> <p>Dur = 6.6s Dmag = 7.3 Sun: 130° Moon: 121°</p>
<p><b>2012 jun 30 14h45.6m</b> A12_06041 796 Sarita TYC 8777-00755-1 Diam = 46.7 m = 10.9 m = 12.2</p> <p>Dur = 5.1s Dmag = 1.6 Sun: 144° Moon: 63°</p>	<p><b>2012 jun 30 18h 8.8m</b> A12_06023 307 Nike TYC 6889-01241-1 Diam = 58.0 m = 11.1 m = 14.7</p> <p>Dur = 4.5s Dmag = 3.6 Sun: 166° Moon: 55°</p>	<p><b>2012 jul 1 14h29.7m</b> A12_07045 677 Aaltje HIP 78083 Diam = 29.3 m = 9.4 m = 14.3</p> <p>Dur = 4.4s Dmag = 4.8 Sun: 141° Moon: 9°</p>	<p><b>2012 jul 3 5h14.4m</b> A12_07020 161 Athor TYC 6754-01480-1 Diam = 45.7 m = 11.0 m = 12.8</p> <p>Dur = 32.5s Dmag = 2.0 Sun: 124° Moon: 49°</p>



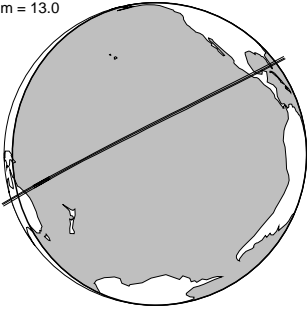
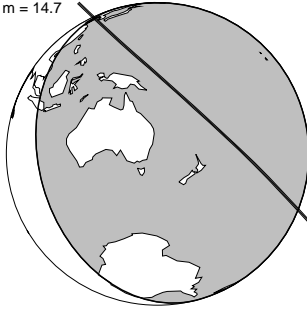
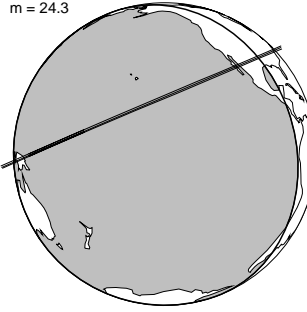
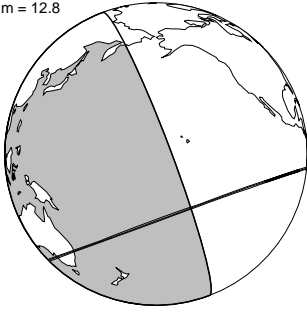
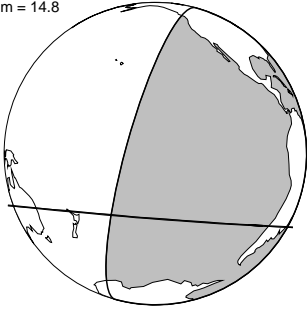
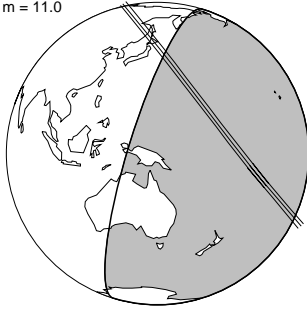
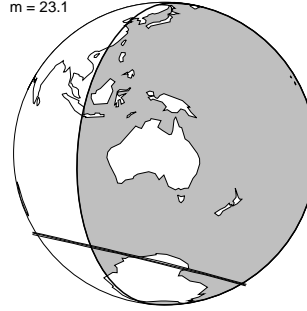
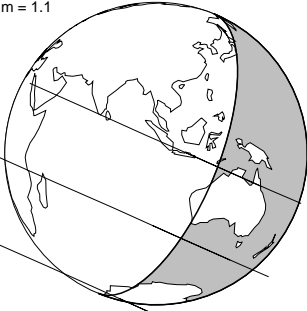
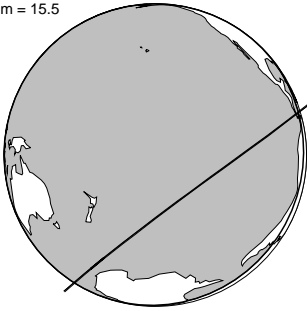
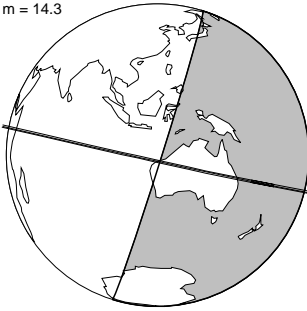
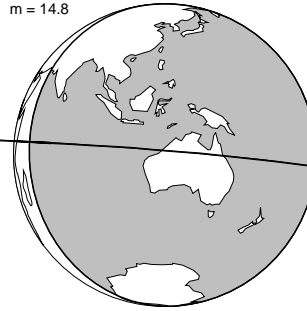
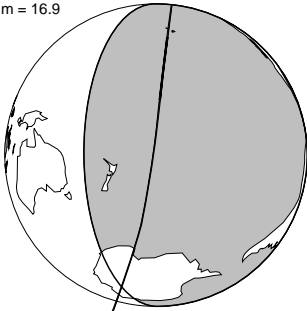
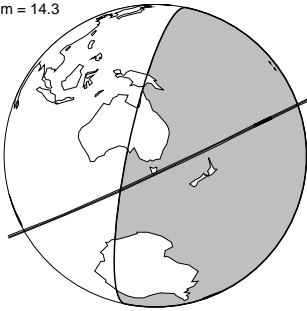
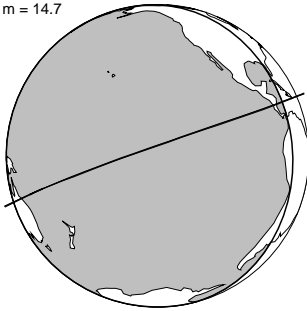
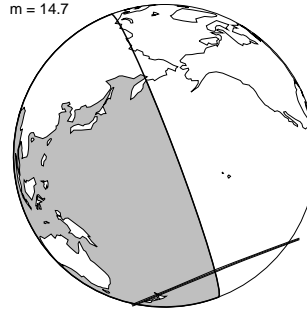
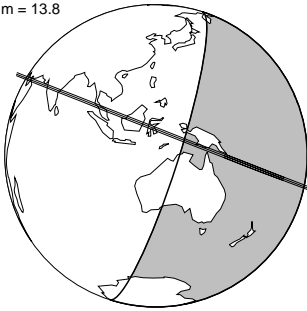
# Occultations by major and minor planets – 2012

# Region 8

<p><b>2012 jul 3 13h47.9m</b> A12_07066 1233 Kobresia UCAC2 23757861 Diam = 34.5 m = 12.0 m = 14.5</p> <p>Dur = 3.8s Dmag = 2.6 Sun: 164° Moon: 19°</p>	<p><b>2012 jul 4 8h 1.0m</b> A12_07007 20 Massalia UCAC2 23492496 Diam = 151.0 m = 11.4 m = 10.0</p> <p>Dur = 12.0s Dmag = 0.3 Sun: 176° Moon: 5°</p>	<p><b>2012 jul 5 13h 9.1m</b> A12_07056 1021 Flammario TYC 6301-01415-1 Diam = 103.0 m = 11.6 m = 12.9</p> <p>Dur = 7.5s Dmag = 1.6 Sun: 173° Moon: 18°</p>	<p><b>2012 jul 8 8h45.3m</b> A12_07044 627 Charis TYC 5620-00876-1 Diam = 51.0 m = 11.6 m = 14.5</p> <p>Dur = 10.6s Dmag = 3.0 Sun: 134° Moon: 102°</p>
<p><b>2012 jul 13 8h31.7m</b> A12_07011 23 Thalia TYC 6819-02845-1 Diam = 111.0 m = 11.8 m = 11.7</p> <p>Dur = 12.4s Dmag = 0.7 Sun: 145° Moon: 148°</p>	<p><b>2012 jul 13 15h 2.6m</b> A12_07008 20 Massalia TYC 6294-01932-1 Diam = 151.0 m = 11.1 m = 10.2</p> <p>Dur = 12.2s Dmag = 0.4 Sun: 171° Moon: 126°</p>	<p><b>2012 jul 16 7h25.2m</b> B12_07008 2001KF76 UCAC2 22033354 Diam = 120.2 m = 12.2 m = 23.7</p> <p>Dur = 6.5s Dmag = 11.6 Sun: 141° Moon: 174°</p>	<p><b>2012 jul 16 10h30.2m</b> A12_07038 501 Urhixidur TYC 8745-00383-1 Diam = 80.1 m = 11.5 m = 13.5</p> <p>Dur = 7.0s Dmag = 2.2 Sun: 145° Moon: 147°</p>
<p><b>2012 jul 17 18h28.0m</b> A12_07072 15502 1999NV27 TYC 0572-00582-1 Diam = 31.6 m = 10.4 m = 17.6</p> <p>Dur = 3.6s Dmag = 7.1 Sun: 127° Moon: 112°</p>	<p><b>2012 jul 18 12h46.4m</b> A12_07064 1118 Hanskya UCAC2 16254633 Diam = 80.7 m = 11.4 m = 14.5</p> <p>Dur = 7.4s Dmag = 3.1 Sun: 151° Moon: 155°</p>	<p><b>2012 jul 20 9h10.5m</b> A12_07054 1005 Arago TYC 8361-01076-1 Diam = 62.7 m = 12.8 m = 15.0</p> <p>Dur = 5.0s Dmag = 2.3 Sun: 144° Moon: 131°</p>	<p><b>2012 jul 21 4h33.2m</b> A12_07041 568 Cheruskia UCAC2 28052816 Diam = 89.7 m = 11.7 m = 14.1</p> <p>Dur = 7.8s Dmag = 2.5 Sun: 148° Moon: 127°</p>
<p><b>2012 jul 21 7h40.6m</b> A12_07069 2196 Ellicott UCAC2 28786739 Diam = 62.2 m = 11.8 m = 15.5</p> <p>Dur = 4.9s Dmag = 3.7 Sun: 159° Moon: 139°</p>	<p><b>2012 jul 21 8h10.2m</b> A12_07040 546 Herodias TYC 7956-01085-1 Diam = 69.7 m = 11.2 m = 14.0</p> <p>Dur = 5.4s Dmag = 2.9 Sun: 157° Moon: 141°</p>	<p><b>2012 jul 25 8h46.7m</b> A12_07052 828 Lindemannia TYC 6889-01849-1 Diam = 55.8 m = 11.4 m = 14.7</p> <p>Dur = 4.8s Dmag = 3.4 Sun: 168° Moon: 92°</p>	<p><b>2012 jul 26 7h34.8m</b> A12_07059 1021 Flammario UCAC2 23738396 Diam = 103.0 m = 11.2 m = 13.0</p> <p>Dur = 7.9s Dmag = 2.0 Sun: 160° Moon: 72°</p>

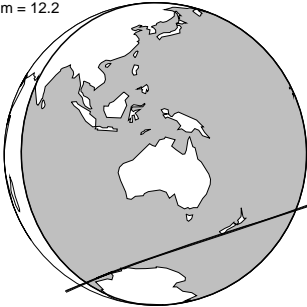
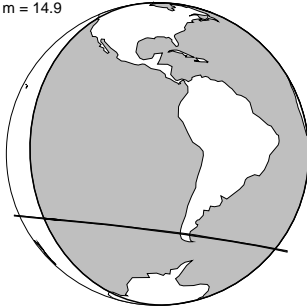
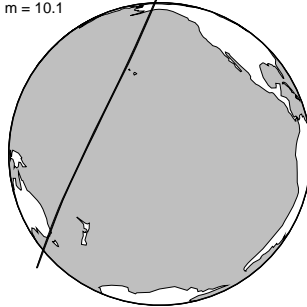
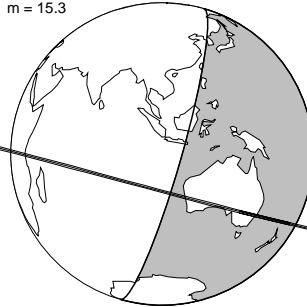
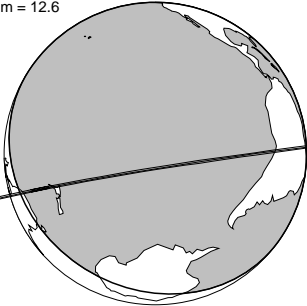
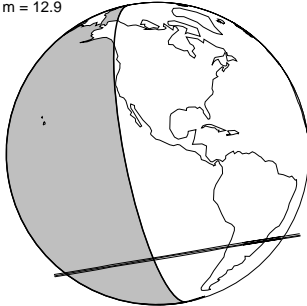
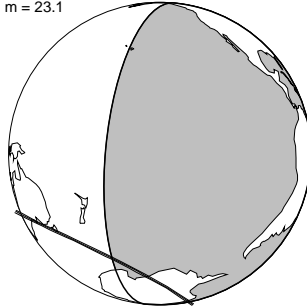
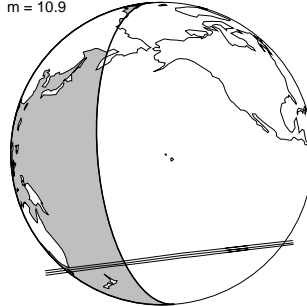
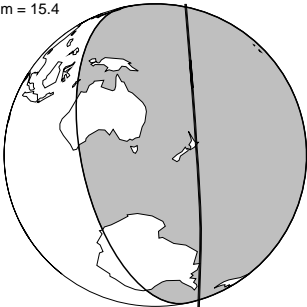
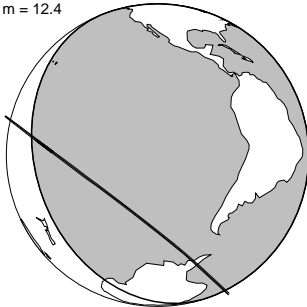
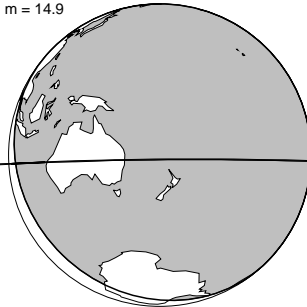
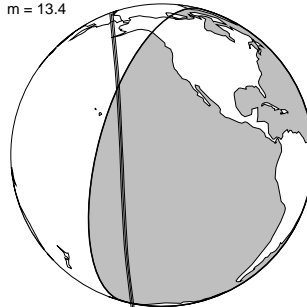
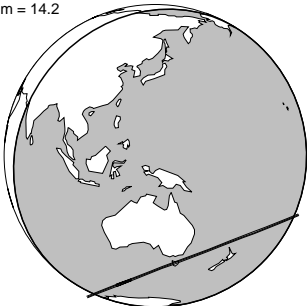
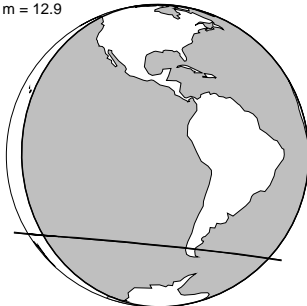
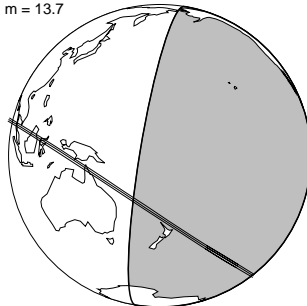
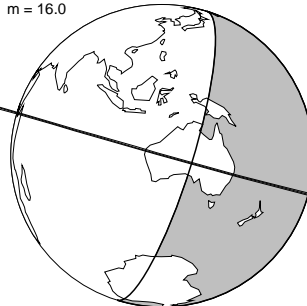
# Occultations by major and minor planets – 2012

# Region 8

<p><b>2012 jul 26 8h 2.5m</b> A12_07058 1021 Flammario TYC 6294-02247-1 Diam = 103.0 m = 12.0</p>  <p>Dur = 7.9s Dmag = 1.4 Sun: 160° Moon: 72°</p>	<p><b>2012 jul 28 11h11.7m</b> A12_07065 1118 Hanskya UCAC2 16676535 Diam = 80.7 m = 14.7</p>  <p>Dur = 8.8s Dmag = 3.4 Sun: 141° Moon: 28°</p>	<p><b>2012 jul 28 11h42.9m</b> B12_07007 1999RU214 UCAC2 28121640 Diam = 114.8 m = 12.7 m = 24.3</p>  <p>Dur = 5.4s Dmag = 11.6 Sun: 149° Moon: 92°</p>	<p><b>2012 jul 30 16h34.7m</b> A12_07012 32 Pomona TYC 1206-01423-1 Diam = 82.0 m = 11.6 m = 12.8</p>  <p>Dur = 6.5s Dmag = 1.5 Sun: 95° Moon: 117°</p>
<p><b>2012 aug 1 4h 0.0m</b> A12_08040 418 Alemannia UCAC2 25326641 Diam = 38.5 m = 11.3 m = 14.8</p>  <p>Dur = 3.8s Dmag = 3.6 Sun: 101° Moon: 66°</p>	<p><b>2012 aug 2 9h 6.7m</b> A12_08002 3 Juno TYC 5024-00229-1 Diam = 267.0 m = 11.9 m = 11.0</p>  <p>Dur = 29.0s Dmag = 0.4 Sun: 101° Moon: 80°</p>	<p><b>2012 aug 2 10h58.5m</b> B12_08003 2009KN30 UCAC2 21806371 Diam = 87.1 m = 14.0 m = 23.1</p>  <p>Dur = 8.4s Dmag = 9.1 Sun: 125° Moon: 59°</p>	<p><b>2012 aug 4 9h35.4m</b> P12_08002 Mars HIP 63895 Diam = 6759.2 m = 9.7 m = 1.1</p>  <p>Dur = 226.4s Dmag = 0.0 Sun: 65° Moon: 143°</p>
<p><b>2012 aug 5 11h 2.5m</b> A12_08072 2127 Tanya HIP 107818 Diam = 42.5 m = 9.9 m = 15.5</p>  <p>Dur = 3.3s Dmag = 5.5 Sun: 166° Moon: 36°</p>	<p><b>2012 aug 8 9h49.8m</b> A12_08048 554 Peraga TYC 6158-00228-1 Diam = 98.5 m = 10.9 m = 14.3</p>  <p>Dur = 6.0s Dmag = 3.4 Sun: 88° Moon: 167°</p>	<p><b>2012 aug 8 14h 5.2m</b> A12_08064 1233 Kobresia TYC 6305-01509-1 Diam = 34.5 m = 11.7 m = 14.8</p>  <p>Dur = 4.8s Dmag = 3.2 Sun: 153° Moon: 103°</p>	<p><b>2012 aug 9 6h31.3m</b> A12_08073 3092 Herodotus UCAC2 16648039 Diam = 38.0 m = 11.7 m = 16.9</p>  <p>Dur = 8.5s Dmag = 5.2 Sun: 118° Moon: 144°</p>
<p><b>2012 aug 9 8h23.6m</b> A12_08054 709 Fringilla UCAC2 16410381 Diam = 99.6 m = 11.4 m = 14.3</p>  <p>Dur = 7.3s Dmag = 3.0 Sun: 100° Moon: 158°</p>	<p><b>2012 aug 9 11h 5.8m</b> A12_08068 1267 Geertruida TYC 5826-00307-1 Diam = 26.8 m = 10.2 m = 14.7</p>  <p>Dur = 4.8s Dmag = 4.6 Sun: 153° Moon: 61°</p>	<p><b>2012 aug 9 17h16.7m</b> A12_08067 1264 Letaba TYC 2310-00325-1 Diam = 77.5 m = 11.8 m = 14.7</p>  <p>Dur = 7.2s Dmag = 2.9 Sun: 94° Moon: 14°</p>	<p><b>2012 aug 11 9h 5.0m</b> A12_08033 268 Adorea TYC 5572-00887-1 Diam = 142.0 m = 10.0 m = 13.8</p>  <p>Dur = 6.3s Dmag = 3.8 Sun: 81° Moon: 154°</p>

# Occultations by major and minor planets – 2012

# Region 8

<p><b>2012 aug 12 13h33.8m</b> A12_08010 50 Virginia UCAC2 25208225 Diam = 47.0 m = 11.5 m = 12.2</p>  <p>Dur = 7.1s Dmag = 1.1 Sun: 152° Moon: 148°</p>	<p><b>2012 aug 14 3h45.6m</b> A12_08065 1233 Kobresia TYC 6305-01353-1 Diam = 34.5 m = 14.9</p>  <p>Dur = 6.0s Dmag = 3.9 Sun: 147° Moon: 171°</p>	<p><b>2012 aug 14 9h31.6m</b> A12_08029 234 Barbara UCAC2 27398780 Diam = 44.6 m = 11.9 m = 10.1</p>  <p>Dur = 5.1s Dmag = 0.2 Sun: 176° Moon: 144°</p>	<p><b>2012 aug 15 10h22.4m</b> A12_08055 713 Luscinia UCAC2 27492590 Diam = 109.0 m = 10.9 m = 15.3</p>  <p>Dur = 6.1s Dmag = 4.5 Sun: 82° Moon: 110°</p>
<p><b>2012 aug 16 7h35.2m</b> A12_08051 674 Rachele UCAC2 16291936 Diam = 101.0 m = 11.4 m = 12.6</p>  <p>Dur = 7.7s Dmag = 1.5 Sun: 153° Moon: 157°</p>	<p><b>2012 aug 16 13h36.2m</b> A12_08046 521 Brixia TYC 0676-00413-1 Diam = 103.0 m = 10.9 m = 12.9</p>  <p>Dur = 3.8s Dmag = 2.2 Sun: 77° Moon: 63°</p>	<p><b>2012 aug 17 4h50.0m</b> B12_08004 2009KN30 UCAC2 21806190 Diam = 87.1 m = 13.7 m = 23.1</p>  <p>Dur = 21.6s Dmag = 9.4 Sun: 111° Moon: 116°</p>	<p><b>2012 aug 17 18h10.9m</b> A12_08004 9 Metis UCAC2 39443279 Diam = 183.7 m = 10.4 m = 10.9</p>  <p>Dur = 5.7s Dmag = 1.1 Sun: 64° Moon: 66°</p>
<p><b>2012 aug 20 9h31.3m</b> A12_08063 1005 Arago UCAC2 12776327 Diam = 62.7 m = 11.6 m = 15.4</p>  <p>Dur = 6.4s Dmag = 3.8 Sun: 119° Moon: 85°</p>	<p><b>2012 aug 21 5h 6.0m</b> A12_08024 174 Phaedra TYC 6902-01924-1 Diam = 71.7 m = 10.6 m = 12.4</p>  <p>Dur = 10.0s Dmag = 2.0 Sun: 144° Moon: 98°</p>	<p><b>2012 aug 21 11h44.4m</b> A12_08056 766 Moguntia TYC 6935-00497-1 Diam = 37.1 m = 10.4 m = 14.9</p>  <p>Dur = 3.1s Dmag = 4.5 Sun: 157° Moon: 110°</p>	<p><b>2012 aug 22 4h29.3m</b> A12_08025 176 Iduna UCAC2 33253929 Diam = 125.0 m = 11.6 m = 13.4</p>  <p>Dur = 13.7s Dmag = 2.1 Sun: 115° Moon: 65°</p>
<p><b>2012 aug 23 13h33.9m</b> A12_08061 983 Gunila HIP 102631 Diam = 77.3 m = 6.4 m = 14.2</p>  <p>Dur = 6.8s Dmag = 7.9 Sun: 154° Moon: 89°</p>	<p><b>2012 aug 25 4h25.8m</b> A12_08047 544 Jetta TYC 5766-00839-1 Diam = 26.0 m = 11.3 m = 12.9</p>  <p>Dur = 4.3s Dmag = 1.8 Sun: 153° Moon: 56°</p>	<p><b>2012 aug 26 6h57.1m</b> A12_08032 238 Hypatia UCAC2 28933523 Diam = 156.0 m = 11.2 m = 13.7</p>  <p>Dur = 12.1s Dmag = 2.7 Sun: 97° Moon: 19°</p>	<p><b>2012 aug 26 8h46.2m</b> A12_08059 859 Bouzaréah TYC 6765-00722-1 Diam = 77.5 m = 11.5 m = 16.0</p>  <p>Dur = 3.8s Dmag = 4.6 Sun: 78° Moon: 36°</p>

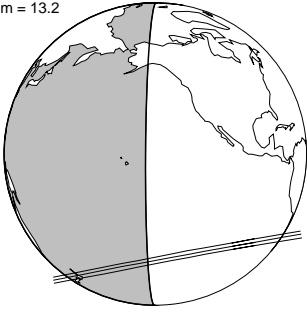
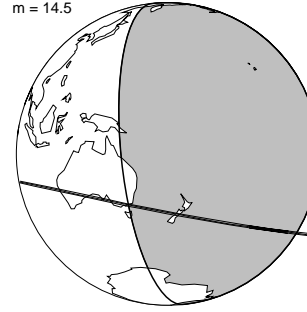
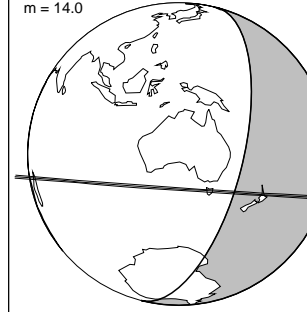
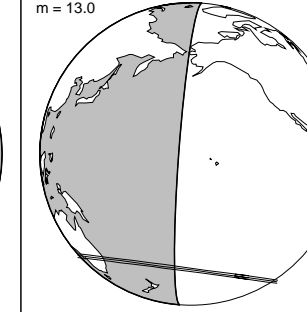
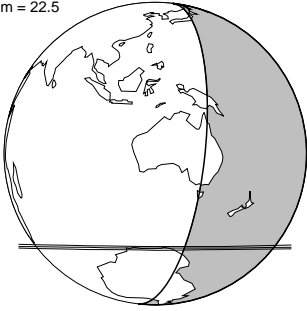
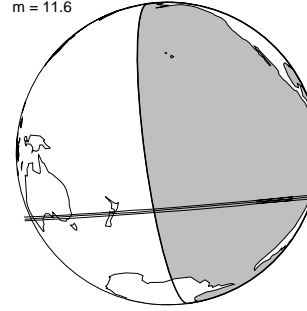
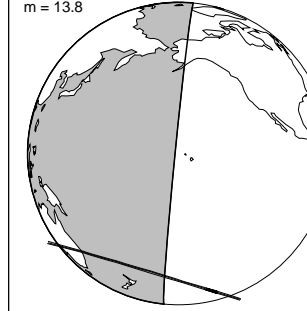
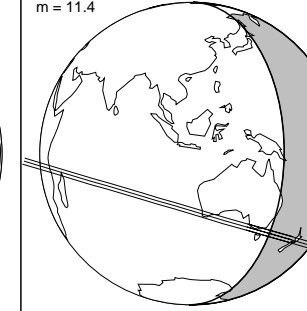
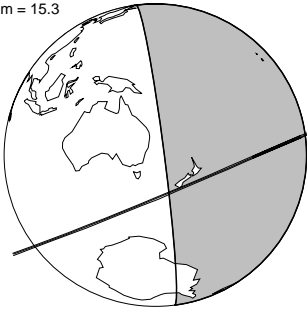
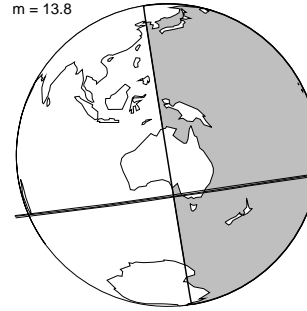
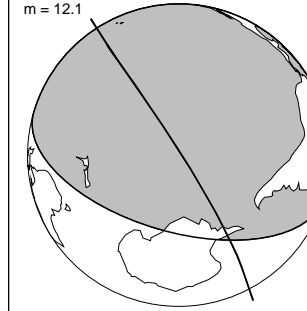
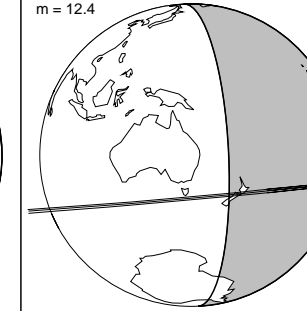
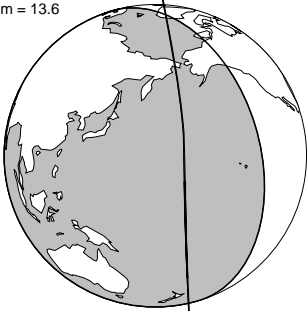
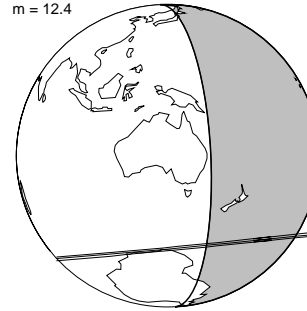
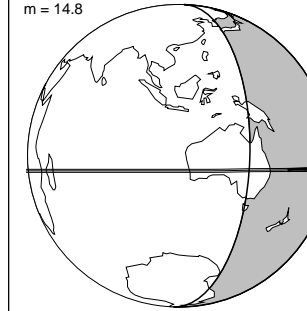
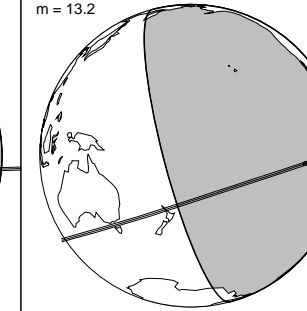
# Occultations by major and minor planets – 2012

# Region 8

<p><b>2012 aug 27 9h44.5m</b> A12_08058 798 Ruth TYC 5184-00759-1 Diam = 46.2 m = 11.1 m = 13.9</p> <p>Dur = 4.8s Dmag = 3.0 Sun: 151° Moon: 29°</p>	<p><b>2012 aug 27 9h52.8m</b> A12_08052 691 Lehigh UCAC2 18779391 Diam = 92.6 m = 11.6 m = 14.3</p> <p>Dur = 42.2s Dmag = 2.8 Sun: 127° Moon: 12°</p>	<p><b>2012 aug 29 4h44.1m</b> A12_08019 138 Tolosa TYC 6820-00394-1 Diam = 47.5 m = 9.9 m = 12.6</p> <p>Dur = 4.0s Dmag = 2.8 Sun: 104° Moon: 46°</p>	<p><b>2012 aug 30 15h27.9m</b> A12_08001 1 Ceres TYC 1305-00642-1 Diam = 932.6 m = 11.4 m = 8.9</p> <p>Dur = 37.8s Dmag = 0.1 Sun: 74° Moon: 118°</p>
<p><b>2012 sep 1 7h39.3m</b> A12_09040 497 Iva UCAC2 19727026 Diam = 45.3 m = 12.0 m = 14.7</p> <p>Dur = 5.6s Dmag = 2.8 Sun: 106° Moon: 83°</p>	<p><b>2012 sep 2 6h28.6m</b> A12_09007 23 Thalia UCAC2 20201356 Diam = 111.0 m = 11.7 m = 12.6</p> <p>Dur = 9.9s Dmag = 1.3 Sun: 97° Moon: 103°</p>	<p><b>2012 sep 2 13h 3.2m</b> A12_09001 1 Ceres UCAC2 38931316 Diam = 932.6 m = 10.9 m = 8.8</p> <p>Dur = 39.4s Dmag = 0.1 Sun: 76° Moon: 81°</p>	<p><b>2012 sep 4 9h 6.9m</b> A12_09065 86047 1999OY3 TYC 5206-00403-1 Diam = 144.5 m = 11.2 m = 23.0</p> <p>Dur = 6.3s Dmag = 11.8 Sun: 156° Moon: 66°</p>
<p><b>2012 sep 5 6h 2.0m</b> A12_09054 1070 Tunica UCAC2 29331807 Diam = 40.0 m = 11.9 m = 16.0</p> <p>Dur = 4.3s Dmag = 4.1 Sun: 118° Moon: 113°</p>	<p><b>2012 sep 5 11h35.2m</b> A12_09058 1191 Alfaterna UCAC2 26590172 Diam = 45.6 m = 11.8 m = 15.5</p> <p>Dur = 3.6s Dmag = 3.7 Sun: 148° Moon: 37°</p>	<p><b>2012 sep 8 10h18.5m</b> B12_09002 83982 Crantor UCAC2 24198278 Diam = 57.5 m = 13.2 m = 21.2</p> <p>Dur = 12.2s Dmag = 8.0 Sun: 112° Moon: 156°</p>	<p><b>2012 sep 9 6h55.8m</b> A12_09005 11 Parthenope TYC 5819-00096-1 Diam = 162.0 m = 11.5 m = 9.1</p> <p>Dur = 19.0s Dmag = 0.1 Sun: 171° Moon: 105°</p>
<p><b>2012 sep 10 7h 1.5m</b> A12_09062 1585 Union TYC 5783-01366-1 Diam = 52.1 m = 11.4 m = 14.7</p> <p>Dur = 4.1s Dmag = 3.3 Sun: 146° Moon: 142°</p>	<p><b>2012 sep 11 4h52.3m</b> A12_09052 979 Ilsewa TYC 0529-00289-1 Diam = 40.6 m = 9.4 m = 13.9</p> <p>Dur = 4.8s Dmag = 4.6 Sun: 150° Moon: 143°</p>	<p><b>2012 sep 15 10h26.6m</b> A12_09059 1208 Troilus TYC 5283-00522-1 Diam = 111.0 m = 11.8 m = 15.9</p> <p>Dur = 8.2s Dmag = 4.2 Sun: 141° Moon: 132°</p>	<p><b>2012 sep 16 7h51.3m</b> A12_09055 1070 Tunica UCAC2 28785104 Diam = 40.0 m = 11.2 m = 16.1</p> <p>Dur = 3.6s Dmag = 4.9 Sun: 109° Moon: 107°</p>

# Occultations by major and minor planets – 2012

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<p><b>2012 sep 19 15h43.4m</b> A12_09016 87 Sylvia UCAC2 40154917 Diam = 271.0 m = 11.9 m = 13.2</p>  <p>Dur = 16.7s Dmag = 1.6 Sun: 86° Moon: 134°</p>	<p><b>2012 sep 21 8h 1.5m</b> A12_09029 358 Apollonia TYC 6291-00661-1 Diam = 91.8 m = 12.0 m = 14.5</p>  <p>Dur = 14.2s Dmag = 2.7 Sun: 107° Moon: 37°</p>	<p><b>2012 sep 23 7h14.4m</b> A12_09014 78 Diana UCAC2 19931344 Diam = 116.0 m = 11.3 m = 14.0</p>  <p>Dur = 3.9s Dmag = 2.8 Sun: 64° Moon: 33°</p>	<p><b>2012 sep 27 17h18.4m</b> A12_09022 211 Isolda TYC 1880-01245-1 Diam = 148.0 m = 11.5 m = 13.0</p>  <p>Dur = 7.2s Dmag = 1.7 Sun: 85° Moon: 123°</p>
<p><b>2012 oct 1 8h17.0m</b> B12_10002 119068 2001KC77 UCAC2 20206900 Diam = 151.4 m = 12.8 m = 22.5</p>  <p>Dur = 9.5s Dmag = 9.7 Sun: 70° Moon: 123°</p>	<p><b>2012 oct 3 5h 1.2m</b> A12_10011 19 Fortuna UCAC2 23988338 Diam = 149.0 m = 12.0 m = 11.6</p>  <p>Dur = 11.7s Dmag = 0.6 Sun: 98° Moon: 116°</p>	<p><b>2012 oct 4 16h44.7m</b> A12_10046 322 Phaeo UCAC2 39470326 Diam = 73.8 m = 11.7 m = 13.8</p>  <p>Dur = 4.4s Dmag = 2.3 Sun: 88° Moon: 41°</p>	<p><b>2012 oct 7 7h53.9m</b> A12_10001 3 Juno HIP 80159 Diam = 267.0 m = 8.4 m = 11.4</p>  <p>Dur = 8.1s Dmag = 3.1 Sun: 51° Moon: 151°</p>
<p><b>2012 oct 13 7h28.5m</b> A12_10060 528 Rezia UCAC2 17157977 Diam = 86.2 m = 12.0 m = 15.3</p>  <p>Dur = 4.7s Dmag = 3.4 Sun: 86° Moon: 114°</p>	<p><b>2012 oct 14 9h 7.1m</b> A12_10051 431 Nephela TYC 6310-00377-1 Diam = 97.7 m = 12.1 m = 13.8</p>  <p>Dur = 5.3s Dmag = 1.9 Sun: 90° Moon: 106°</p>	<p><b>2012 oct 15 7h36.1m</b> A12_10047 323 Brucia UCAC2 10321338 Diam = 37.0 m = 11.4 m = 12.1</p>  <p>Dur = 6.5s Dmag = 1.2 Sun: 120° Moon: 119°</p>	<p><b>2012 oct 16 7h 0.9m</b> A12_10036 196 Philomela UCAC2 20253012 Diam = 146.0 m = 11.2 m = 12.4</p>  <p>Dur = 6.0s Dmag = 1.5 Sun: 75° Moon: 65°</p>
<p><b>2012 oct 16 15h43.8m</b> A12_10050 430 Hybris TYC 1828-00603-1 Diam = 34.6 m = 10.0 m = 13.6</p>  <p>Dur = 10.3s Dmag = 3.6 Sun: 133° Moon: 150°</p>	<p><b>2012 oct 19 7h45.8m</b> A12_10037 196 Philomela UCAC2 20255888 Diam = 146.0 m = 12.0 m = 12.4</p>  <p>Dur = 5.8s Dmag = 1.0 Sun: 73° Moon: 22°</p>	<p><b>2012 oct 19 8h36.8m</b> A12_10024 104 Klymene TYC 6845-00679-1 Diam = 127.0 m = 11.3 m = 14.8</p>  <p>Dur = 4.5s Dmag = 3.6 Sun: 61° Moon: 10°</p>	<p><b>2012 oct 22 6h15.9m</b> A12_10026 111 Ate TYC 6331-01480-1 Diam = 139.0 m = 11.9 m = 13.2</p>  <p>Dur = 13.1s Dmag = 1.6 Sun: 100° Moon: 9°</p>

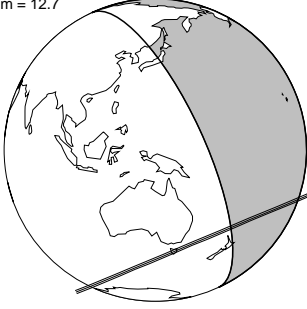
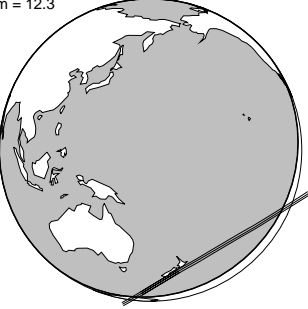
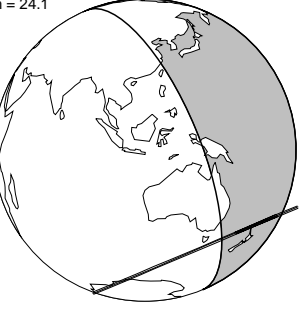
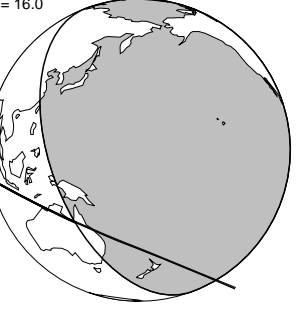

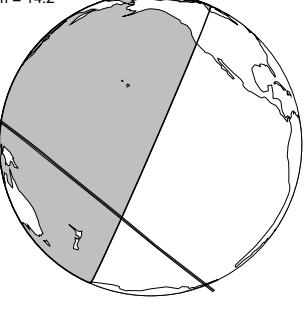
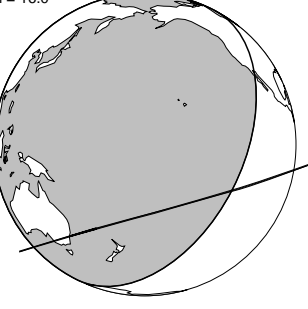
# Occultations by major and minor planets – 2012

# Region 8

<p><b>2012 oct 27 14h51.6m</b> A12_10028 167 Urda TYC 1275-00583-1 Diam = 42.2 m = 11.8 m = 13.8</p> <p>Dur = 5.8s Dmag = 2.2 Sun: 142° Moon: 62°</p>	<p><b>2012 oct 28 9h27.8m</b> A12_10057 487 Venetia TYC 0080-01182-1 Diam = 64.0 m = 11.7</p> <p>Dur = 8.4s Dmag = 2.1 Sun: 149° Moon: 46°</p>	<p><b>2012 nov 20 10h22.5m</b> A12_11043 537 Pauly TYC 5270-01489-1 Diam = 47.5 m = 12.3 m = 13.1</p> <p>Dur = 6.7s Dmag = 1.2 Sun: 145° Moon: 71°</p>	<p><b>2012 nov 2 15h17.4m</b> P12_11001 Jupiter TYC 1292-00004-1 Diam = 133542.0 m = -2.7</p> <p>Dur = 12202.3s Dmag = 0.0 Sun: 145° Moon: 7°</p>
<p><b>2012 nov 14 5h20.6m</b> B12_11005 2008OG19 UCAC2 27931880 Diam = 331.1 m = 12.9 m = 21.1</p> <p>Dur = 19.6s Dmag = 8.2 Sun: 70° Moon: 66°</p>	<p><b>2012 nov 16 7h27.7m</b> A12_11038 454 Mathesis TYC 5823-00765-1 Diam = 84.5 m = 12.4 m = 14.4</p> <p>Dur = 11.1s Dmag = 2.2 Sun: 108° Moon: 75°</p>	<p><b>2012 nov 20 12h50.2m</b> B12_11002 2003UN292 UCAC2 39616376 Diam = 131.8 m = 13.6 m = 23.1</p> <p>Dur = 5.3s Dmag = 9.5 Sun: 170° Moon: 100°</p>	<p><b>2012 nov 21 10h35.7m</b> A12_11026 276 Adelheid TYC 0100-01306-1 Diam = 127.0 m = 11.5 m = 13.1</p> <p>Dur = 9.3s Dmag = 1.8 Sun: 150° Moon: 101°</p>
<p><b>2012 nov 24 9h15.9m</b> A12_11033 392 Wilhelmina TYC 0156-01293-1 Diam = 64.6 m = 12.4 m = 14.0</p> <p>Dur = 7.4s Dmag = 1.9 Sun: 136° Moon: 87°</p>	<p><b>2012 nov 24 11h38.6m</b> A12_11019 167 Urda TYC 1268-00718-1 Diam = 42.2 m = 12.0 m = 13.2</p> <p>Dur = 3.3s Dmag = 1.5 Sun: 174° Moon: 50°</p>	<p><b>2012 nov 24 16h47.5m</b> A12_11022 218 Bianca TYC 0153-01137-1 Diam = 62.0 m = 10.9 m = 13.2</p> <p>Dur = 7.9s Dmag = 2.4 Sun: 133° Moon: 86°</p>	<p><b>2012 nov 29 16h31.5m</b> B12_11003 2003YN179 UCAC2 40315635 Diam = 125.9 m = 13.4 m = 23.6</p> <p>Dur = 5.2s Dmag = 10.2 Sun: 160° Moon: 9°</p>
<p><b>2012 nov 30 10h54.1m</b> A12_11031 349 Dembowska TYC 1828-01487-1 Diam = 143.0 m = 11.4 m = 9.6</p> <p>Dur = 11.9s Dmag = 0.2 Sun: 172° Moon: 22°</p>	<p><b>2012 dec 6 9h51.1m</b> A12_12007 10 Hygiea TYC 5802-00454-1 Diam = 429.0 m = 12.1 m = 11.5</p> <p>Dur = 18.1s Dmag = 0.5 Sun: 75° Moon: 168°</p>	<p><b>2012 dec 8 9h17.7m</b> A12_12058 670 Ottegebe UCAC2 35708810 Diam = 36.5 m = 11.7 m = 13.4</p> <p>Dur = 3.4s Dmag = 1.9 Sun: 162° Moon: 98°</p>	<p><b>2012 dec 12 12h 5.6m</b> A12_12099 1633 Chimay TYC 1371-02343-1 Diam = 40.3 m = 10.4 m = 15.3</p> <p>Dur = 5.6s Dmag = 4.9 Sun: 144° Moon: 132°</p>

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<p><b>2012 dec 20 7h26.6m</b> A12_12021 141 Lumen TYC 5233-01669-1 Diam = 135.0 m = 11.2 m = 12.7</p>  <p>Dur = 4.6s Dmag = 1.8 Sun: 71° Moon: 20°</p>	<p><b>2012 dec 23 14h12.3m</b> A12_12077 895 Helio TYC 0753-02343-1 Diam = 147.0 m = 12.1 m = 12.3</p>  <p>Dur = 9.7s Dmag = 0.9 Sun: 161° Moon: 67°</p>	<p><b>2012 dec 24 9h 1.7m</b> B12_12004 2002PC171 UCAC2 29570444 Diam = 100.0 m = 13.5 m = 24.1</p>  <p>Dur = 6.4s Dmag = 10.6 Sun: 68° Moon: 67°</p>	<p><b>2012 dec 26 9h 7.3m</b> A12_12100 2067 Aksnes TYC 0642-00484-1 Diam = 50.3 m = 11.6 m = 16.0</p>  <p>Dur = 28.2s Dmag = 4.5 Sun: 126° Moon: 31°</p>
<p><b>2012 dec 26 12h27.7m</b> B12_12003 145451 2005RM43 UCAC2 34960247 Diam = 436.5 m = 13.9 m = 20.0</p>  <p>Dur = 21.0s Dmag = 6.1 Sun: 145° Moon: 15°</p>	<p><b>2012 dec 26 15h35.2m</b> A12_12022 143 Adria TYC 4943-00079-1 Diam = 92.0 m = 11.3 m = 14.2</p>  <p>Dur = 5.3s Dmag = 3.1 Sun: 91° Moon: 108°</p>	<p><b>2012 dec 27 14h38.2m</b> A12_12094 1201 Strenua HIP 47111 Diam = 38.3 m = 7.6 m = 16.0</p>  <p>Dur = 10.0s Dmag = 8.4 Sun: 130° Moon: 58°</p>	