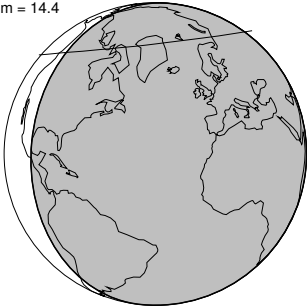
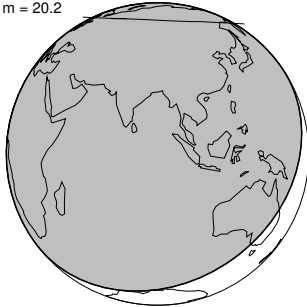
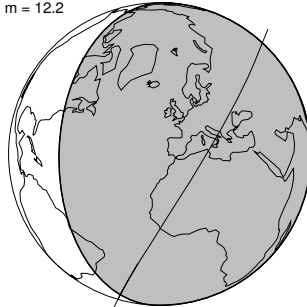
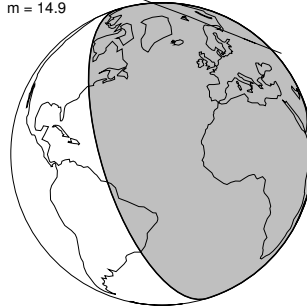
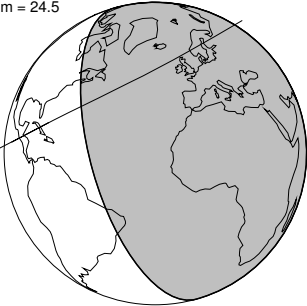
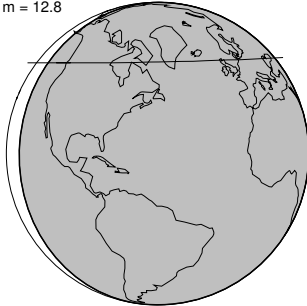
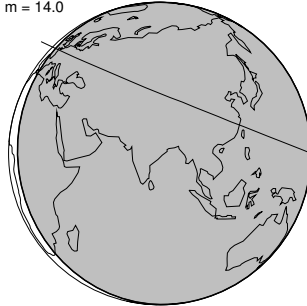
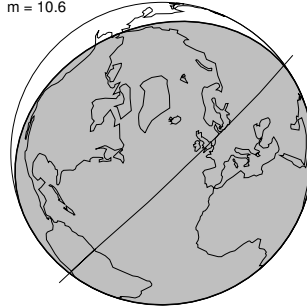
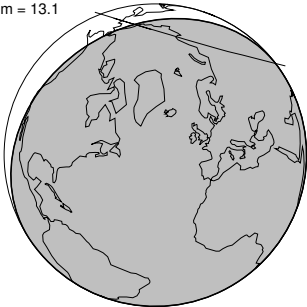
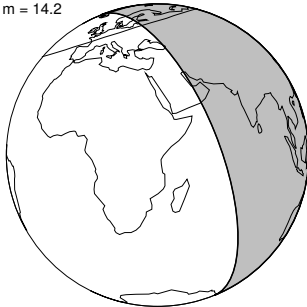
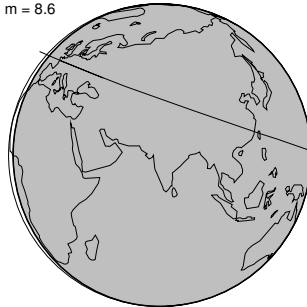
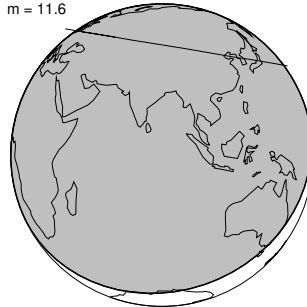
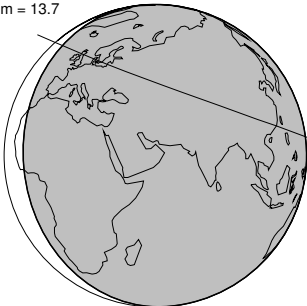
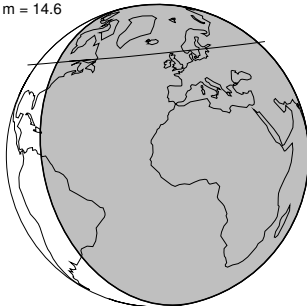
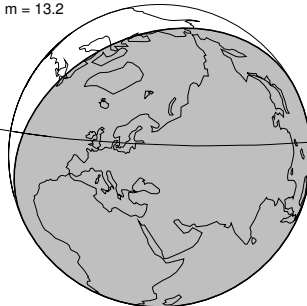
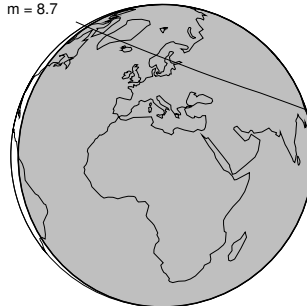


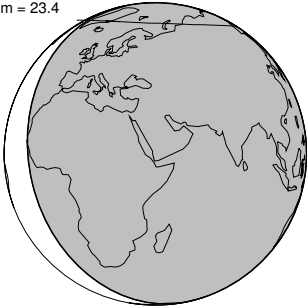
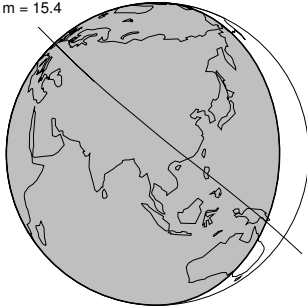
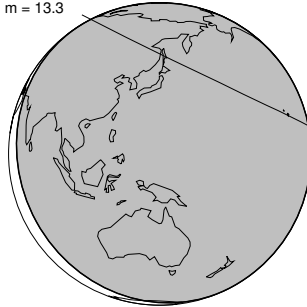
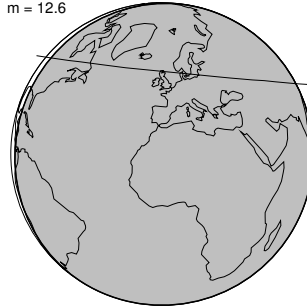
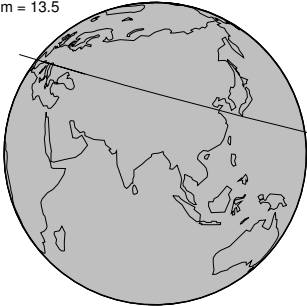
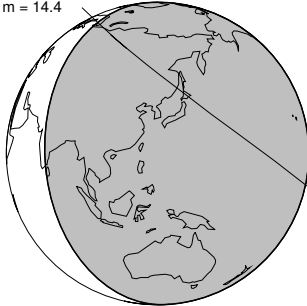
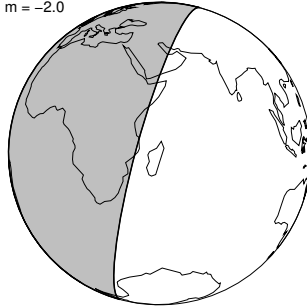
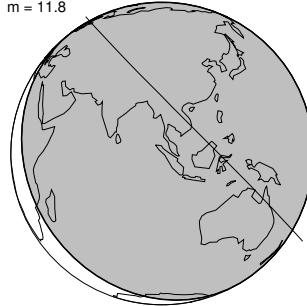
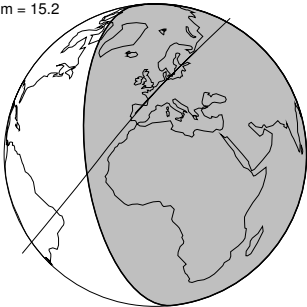
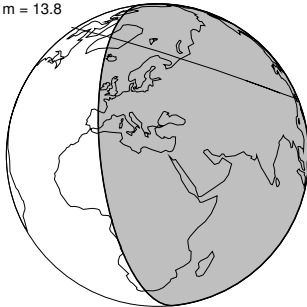
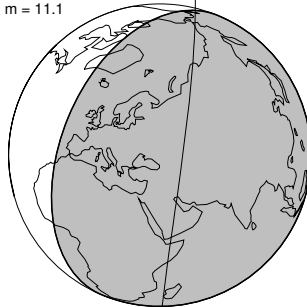
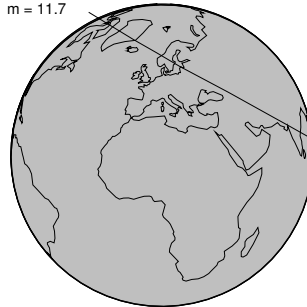
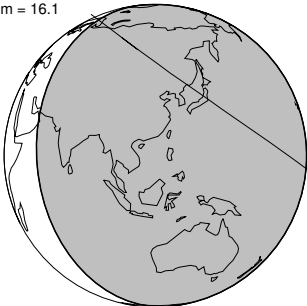
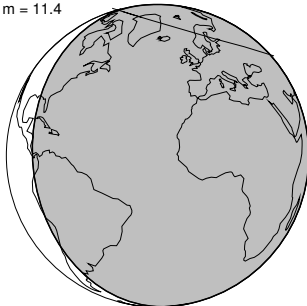
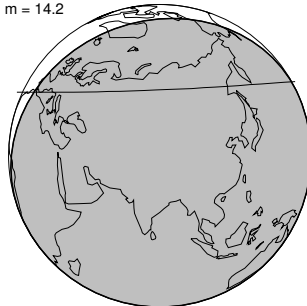
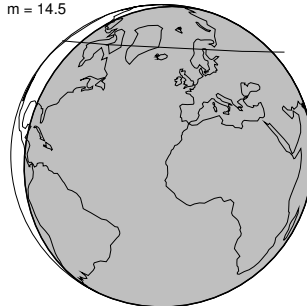
Occultations by major and minor planets – 2018

Region 5

<p>2018 jan 1 23h54.2m A18_01102 845 Naema HSOY 529277305 Diam = 57.5 m = 12.0 m = 14.4</p>  <p>Dur = 6.8s Dmag = 2.5 Sun: 145° Moon: 34°</p>	<p>2018 jan 2 19h22.3m A18_01144 32532 Thereus TYC 4851-02299-1 Diam = 63.1 m = 10.7 m = 20.2</p>  <p>Dur = 3.0s Dmag = 9.5 Sun: 148° Moon: 23°</p>	<p>2018 jan 3 21h21.7m A18_01064 385 Ilmatar HSOY 527810050 Diam = 94.1 m = 11.4 m = 12.2</p>  <p>Dur = 13.2s Dmag = 1.3 Sun: 131° Moon: 72°</p>	<p>2018 jan 5 21h33.5m A18_01137 2152 Hannibal TYC 1218-01316-1 Diam = 49.0 m = 11.5 m = 14.9</p>  <p>Dur = 5.2s Dmag = 3.5 Sun: 113° Moon: 119°</p>
<p>2018 jan 8 21h 0.8m A18_01148 2011UZ412 TYC 1226-00510-1 Diam = 57.5 m = 10.3 m = 24.5</p>  <p>Dur = 7.6s Dmag = 14.2 Sun: 115° Moon: 152°</p>	<p>2018 jan 9 2h10.5m A18_01028 138 Tolosa HSOY 526366323 Diam = 47.5 m = 8.8 m = 12.8</p>  <p>Dur = 4.5s Dmag = 4.0 Sun: 156° Moon: 115°</p>	<p>2018 jan 9 17h 5.1m A18_01106 891 Gunhild TYC 1320-00522-1 Diam = 53.6 m = 11.9 m = 14.0</p>  <p>Dur = 4.4s Dmag = 2.3 Sun: 159° Moon: 119°</p>	<p>2018 jan 10 1h11.4m A18_01060 372 Palma TYC 3764-02615-1 Diam = 195.0 m = 10.1 m = 10.6</p>  <p>Dur = 16.2s Dmag = 1.0 Sun: 147° Moon: 111°</p>
<p>2018 jan 13 1h 5.1m A18_01093 772 Tanete TYC 3384-00294-1 Diam = 123.0 m = 9.1 m = 13.1</p>  <p>Dur = 8.7s Dmag = 4.0 Sun: 148° Moon: 141°</p>	<p>2018 jan 13 13h59.6m A18_01059 365 Corduba UCAC4-434-000042 Diam = 110.0 m = 12.1 m = 14.2</p>  <p>Dur = 3.6s Dmag = 2.2 Sun: 66° Moon: 104°</p>	<p>2018 jan 13 18h 7.3m A18_01008 8 Flora HSOY 546310576 Diam = 141.0 m = 8.1 m = 8.6</p>  <p>Dur = 17.2s Dmag = 1.0 Sun: 165° Moon: 158°</p>	<p>2018 jan 13 19h 4.3m A18_01016 57 Mnemosyne HSOY 518015904 Diam = 116.0 m = 12.1 m = 11.6</p>  <p>Dur = 9.6s Dmag = 0.5 Sun: 154° Moon: 128°</p>
<p>2018 jan 14 18h20.2m A18_01074 464 Megaira HSOY 525958248 Diam = 76.5 m = 12.2 m = 13.7</p>  <p>Dur = 8.3s Dmag = 1.7 Sun: 150° Moon: 176°</p>	<p>2018 jan 15 22h16.9m A18_01050 284 Amalia TYC 1281-01277-1 Diam = 55.1 m = 11.4 m = 14.6</p>  <p>Dur = 7.2s Dmag = 3.3 Sun: 139° Moon: 153°</p>	<p>2018 jan 16 20h15.3m A18_01119 965 Angelica PPMX 1447149 Diam = 54.5 m = 12.1 m = 13.2</p>  <p>Dur = 7.7s Dmag = 1.4 Sun: 143° Moon: 142°</p>	<p>2018 jan 16 21h52.2m A18_01007 8 Flora HSOY 546302176 Diam = 141.0 m = 12.3 m = 8.7</p>  <p>Dur = 18.3s Dmag = 0.0 Sun: 161° Moon: 164°</p>

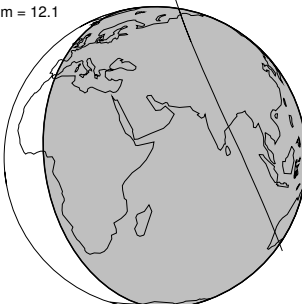
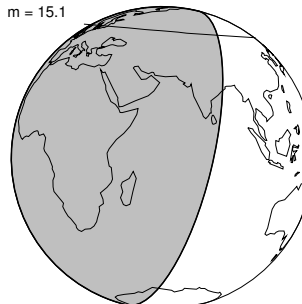
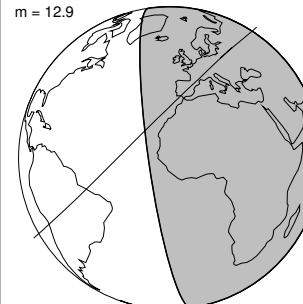
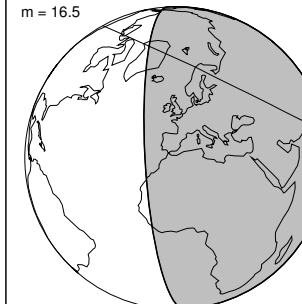
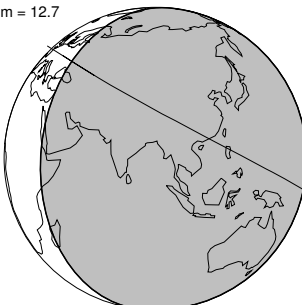
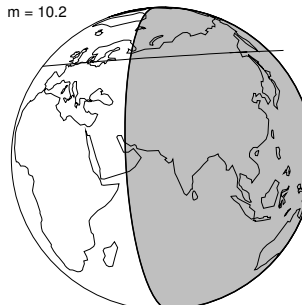
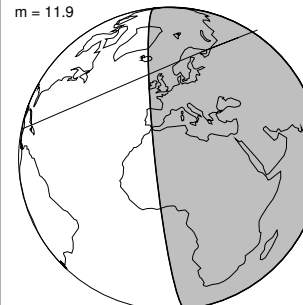
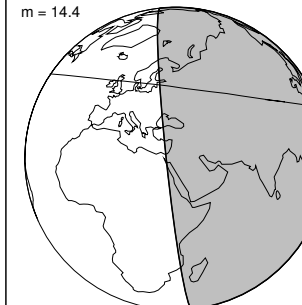
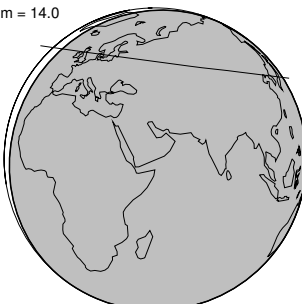
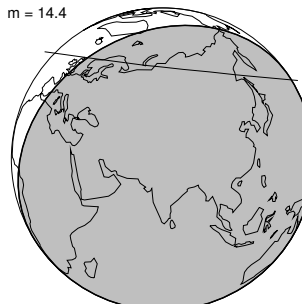
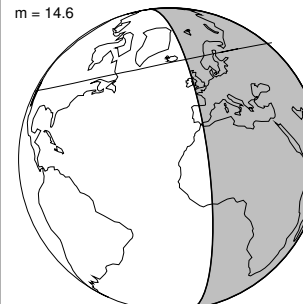
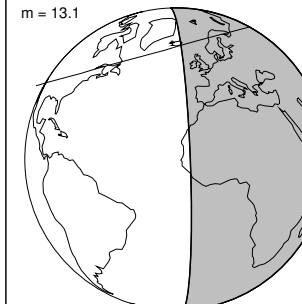
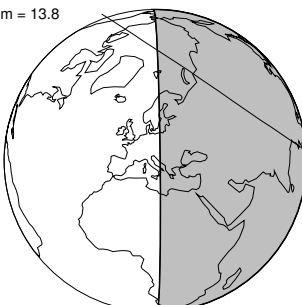
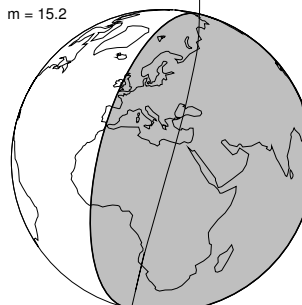
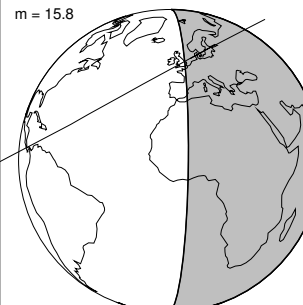
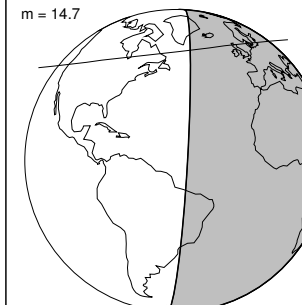
Occultations by major and minor planets – 2018

Region 5

<p>2018 jan 19 18h56.6m B18_01002 69986 1998WW24 HSOY 524656691 Diam = 109.6 m = 14.7 m = 23.4</p>  <p>Dur = 5.4s Dmag = 8.6 Sun: 146° Moon: 117°</p>	<p>2018 jan 19 20h 1.1m A18_01138 2193 Jackson HSOY 580177613 Diam = 51.5 m = 12.1 m = 15.4</p>  <p>Dur = 5.4s Dmag = 3.4 Sun: 143° Moon: 166°</p>	<p>2018 jan 23 13h31.3m A18_01041 191 Kolga HSOY 542360447 Diam = 105.0 m = 12.0 m = 13.3</p>  <p>Dur = 8.8s Dmag = 1.6 Sun: 158° Moon: 88°</p>	<p>2018 jan 25 23h32.1m A18_01021 73 Klytia TYC 1915-01420-1 Diam = 45.0 m = 10.4 m = 12.6</p>  <p>Dur = 4.2s Dmag = 2.3 Sun: 165° Moon: 63°</p>
<p>2018 jan 27 18h31.3m A18_01032 175 Andromache HSOY 555963826 Diam = 107.0 m = 11.0 m = 13.5</p>  <p>Dur = 6.5s Dmag = 2.7 Sun: 175° Moon: 55°</p>	<p>2018 jan 28 12h43.6m A18_01112 891 Gunhild UCAC4-557-018990 Diam = 53.6 m = 12.1 m = 14.4</p>  <p>Dur = 7.3s Dmag = 2.4 Sun: 138° Moon: 2°</p>	<p>2018 feb 1 3h16.6m P18_02001 Jupiter HIP 74669 Diam = 133542.0 m = -2.0 m = 9.6</p>  <p>Dur = 8227.6s Dmag = 0.0 Sun: 80° Moon: 91°</p>	<p>2018 feb 3 16h11.7m A18_02039 185 Eunike HSOY 541819757 Diam = 165.0 m = 12.0 m = 11.8</p>  <p>Dur = 11.3s Dmag = 0.7 Sun: 153° Moon: 64°</p>
<p>2018 feb 3 19h36.4m A18_02100 1096 Reunerta HSOY 523738630 Diam = 46.2 m = 12.3 m = 15.2</p>  <p>Dur = 14.2s Dmag = 2.9 Sun: 117° Moon: 106°</p>	<p>2018 feb 4 17h31.2m A18_02063 359 Georgia HSOY 529134416 Diam = 47.0 m = 11.6 m = 13.8</p>  <p>Dur = 7.4s Dmag = 2.3 Sun: 112° Moon: 122°</p>	<p>2018 feb 4 18h20.1m A18_02064 372 Palma PPMX 2146866 Diam = 195.0 m = 12.2 m = 11.1</p>  <p>Dur = 15.3s Dmag = 0.3 Sun: 130° Moon: 98°</p>	<p>2018 feb 5 23h25.5m A18_02072 487 Venetia HSOY 580487364 Diam = 64.0 m = 12.4 m = 11.7</p>  <p>Dur = 5.1s Dmag = 0.5 Sun: 172° Moon: 75°</p>
<p>2018 feb 6 13h53.2m A18_02115 1819 Laputa TYC 1330-02091-1 Diam = 44.6 m = 9.4 m = 16.1</p>  <p>Dur = 3.2s Dmag = 6.7 Sun: 141° Moon: 116°</p>	<p>2018 feb 7 23h31.9m A18_02016 32 Pomona HSOY 546936807 Diam = 82.0 m = 11.6 m = 11.4</p>  <p>Dur = 11.0s Dmag = 0.7 Sun: 145° Moon: 127°</p>	<p>2018 feb 10 17h58.9m A18_02119 2951 Perepadin TYC 2983-01396-1 Diam = 52.1 m = 11.0 m = 14.2</p>  <p>Dur = 4.8s Dmag = 3.2 Sun: 152° Moon: 134°</p>	<p>2018 feb 15 23h47.9m A18_02105 1135 Colchis HSOY 555620012 Diam = 51.5 m = 12.1 m = 14.5</p>  <p>Dur = 4.9s Dmag = 2.5 Sun: 153° Moon: 153°</p>

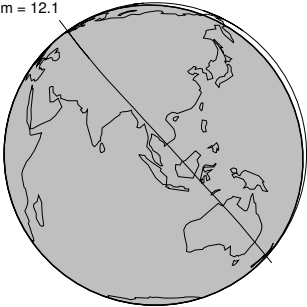
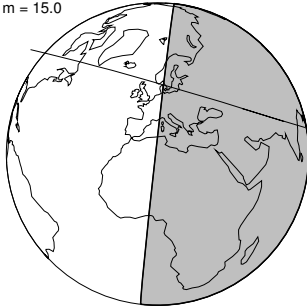
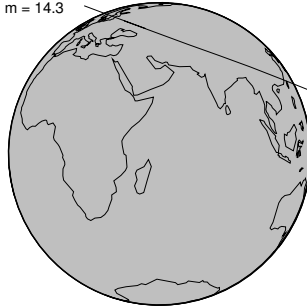
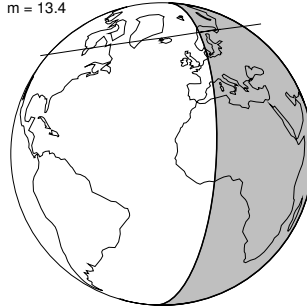
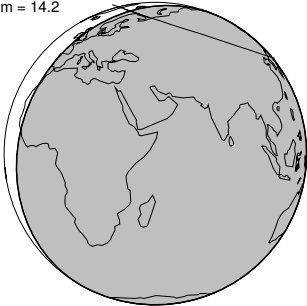
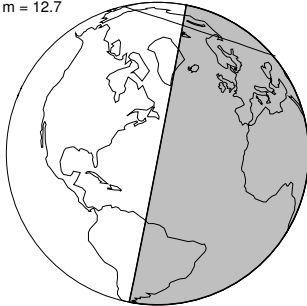
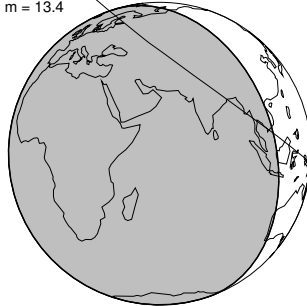
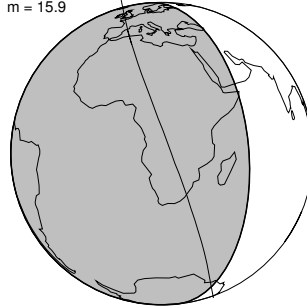
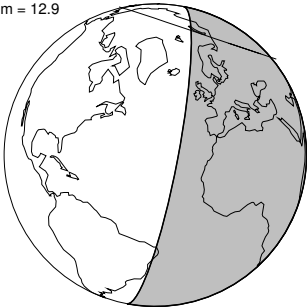
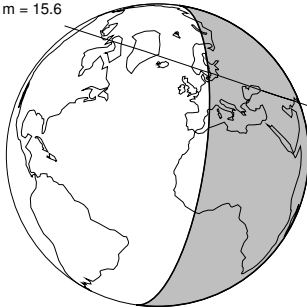
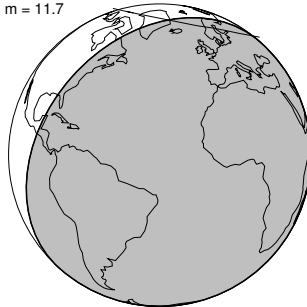
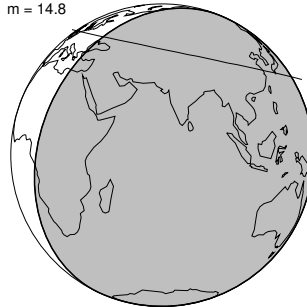
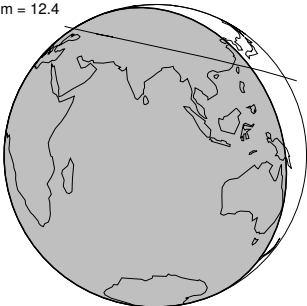
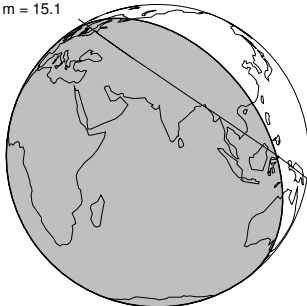
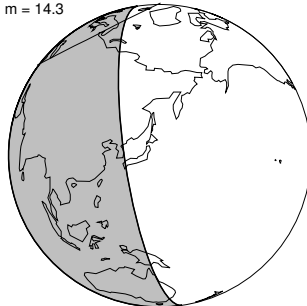
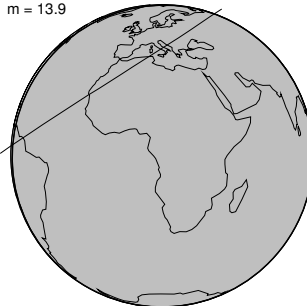
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Region 5

<p>2018 feb 21 17h54.7m A18_02041 185 Eunike HSOY 541989543 Diam = 165.0 m = 12.3 m = 12.1</p>  <p>Dur = 13.4s Dmag = 0.7 Sun: 137° Moon: 69°</p>	<p>2018 feb 22 0h45.7m A18_02097 1032 Pafuri HSOY 578341003 Diam = 59.1 m = 7.6 m = 15.1</p>  <p>Dur = 7.2s Dmag = 7.5 Sun: 109° Moon: 175°</p>	<p>2018 feb 23 19h27.0m A18_02032 129 Antigone HIP 22583 Diam = 113.0 m = 9.8 m = 12.9</p>  <p>Dur = 10.5s Dmag = 3.2 Sun: 98° Moon: 5°</p>	<p>2018 feb 24 18h54.4m A18_02094 1002 Olbersia PPMX 3964614 Diam = 57.1 m = 12.3 m = 16.5</p>  <p>Dur = 4.9s Dmag = 4.2 Sun: 101° Moon: 17°</p>
<p>2018 feb 27 15h24.4m A18_02059 308 Polyxo HSOY 550058097 Diam = 148.0 m = 11.9 m = 12.7</p>  <p>Dur = 22.2s Dmag = 1.2 Sun: 139° Moon: 9°</p>	<p>2018 feb 28 14h27.6m A18_02013 20 Massalia HSOY 525987843 Diam = 151.0 m = 11.9 m = 10.2</p>  <p>Dur = 12.5s Dmag = 0.2 Sun: 104° Moon: 57°</p>	<p>2018 feb 28 18h12.4m A18_02068 451 Patientia HSOY 523824041 Diam = 230.0 m = 6.2 m = 11.9</p>  <p>Dur = 16.6s Dmag = 5.7 Sun: 95° Moon: 67°</p>	<p>2018 mar 2 15h41.9m A18_03073 388 Charybdis TYC 1844-00181-1 Diam = 120.0 m = 11.4 m = 14.4</p>  <p>Dur = 8.6s Dmag = 3.1 Sun: 93° Moon: 94°</p>
<p>2018 mar 6 19h44.3m A18_03103 613 Ginevra TYC 1412-01419-1 Diam = 82.0 m = 11.4 m = 14.0</p>  <p>Dur = 7.0s Dmag = 2.7 Sun: 161° Moon: 78°</p>	<p>2018 mar 10 17h53.4m A18_03129 818 Kapteynia UCAC4-618-047637 Diam = 53.0 m = 10.8 m = 14.4</p>  <p>Dur = 4.4s Dmag = 3.7 Sun: 146° Moon: 126°</p>	<p>2018 mar 17 18h24.4m A18_03090 535 Montague HSOY 523707391 Diam = 77.0 m = 11.3 m = 14.6</p>  <p>Dur = 3.2s Dmag = 3.4 Sun: 75° Moon: 73°</p>	<p>2018 mar 18 19h 1.4m A18_03025 59 Elpis HSOY 524036075 Diam = 173.0 m = 12.1 m = 13.1</p>  <p>Dur = 8.3s Dmag = 1.4 Sun: 84° Moon: 69°</p>
<p>2018 mar 22 17h 2.2m A18_03105 626 Notburga TYC 2924-01648-1 Diam = 104.0 m = 10.7 m = 13.8</p>  <p>Dur = 4.4s Dmag = 3.1 Sun: 88° Moon: 34°</p>	<p>2018 mar 23 18h34.9m A18_03137 1000 Piazzia TYC 1930-00992-1 Diam = 54.0 m = 11.7 m = 15.2</p>  <p>Dur = 7.6s Dmag = 3.5 Sun: 115° Moon: 38°</p>	<p>2018 mar 25 18h14.6m A18_03123 781 Kartvelia HSOY 522752559 Diam = 60.0 m = 12.2 m = 15.8</p>  <p>Dur = 3.1s Dmag = 3.7 Sun: 82° Moon: 23°</p>	<p>2018 mar 30 21h 7.0m A18_03126 790 Pretoria TYC 0735-03014-1 Diam = 176.0 m = 11.4 m = 14.7</p>  <p>Dur = 12.0s Dmag = 3.4 Sun: 85° Moon: 87°</p>

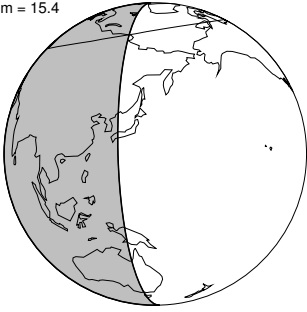
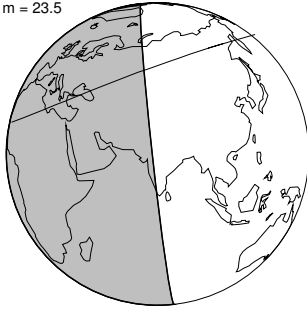
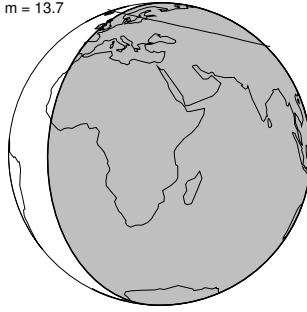
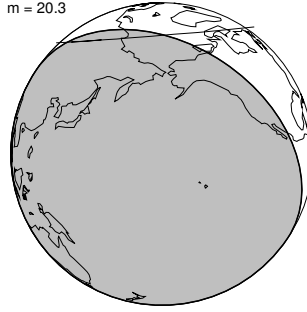
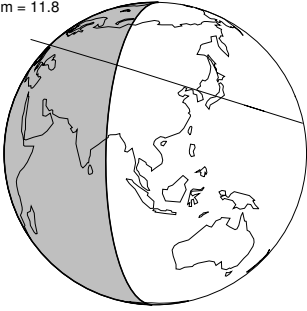
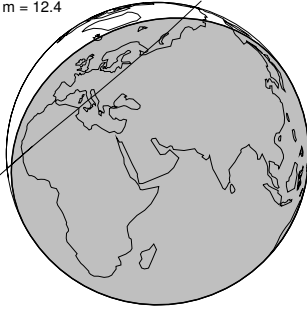
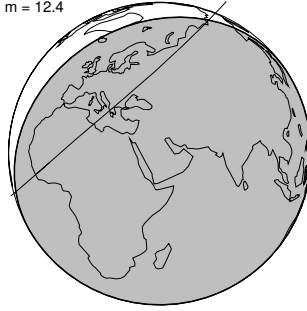
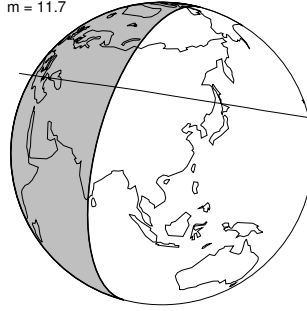
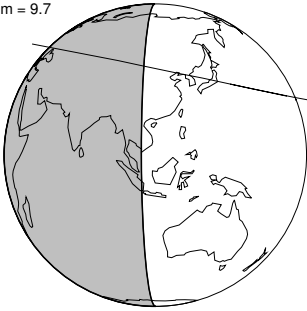
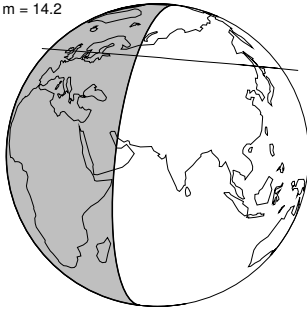
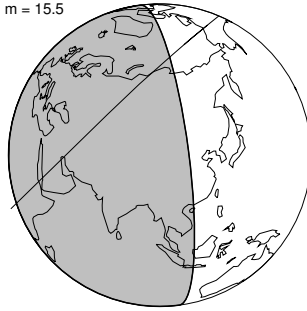
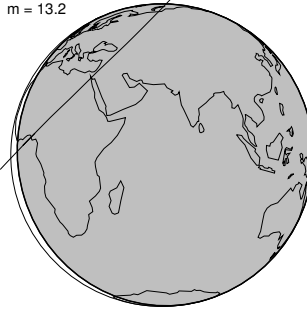
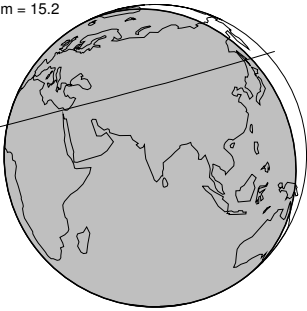
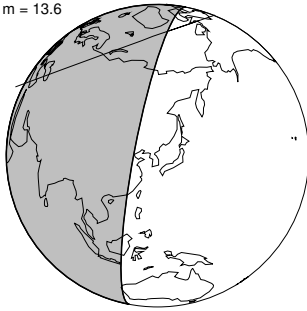
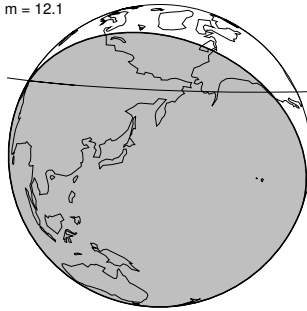
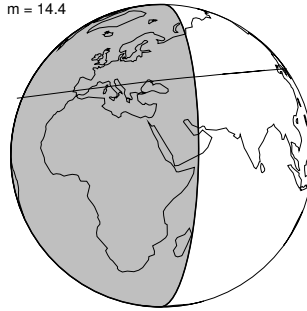
Occultations by major and minor planets – 2018

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<p>2018 mar 31 18h 8.3m A18_03050 246 Asporina HSOY 582182787 Diam = 63.8 m = 12.4</p>  <p>Dur = 5.4s Dmag = 0.6 Sun: 163° Moon: 11°</p>	<p>2018 apr 2 17h52.8m A18_04075 438 Zeuxo UCAC4-603-039230 Diam = 63.6 m = 12.2</p>  <p>Dur = 4.1s Dmag = 2.8 Sun: 90° Moon: 116°</p>	<p>2018 apr 7 20h47.5m A18_04041 177 Irma HSOY 576502991 Diam = 75.3 m = 12.3</p>  <p>Dur = 4.9s Dmag = 2.1 Sun: 174° Moon: 79°</p>	<p>2018 apr 10 18h11.6m A18_04018 59 Elpis PPMX 6009509 Diam = 173.0 m = 11.4</p>  <p>Dur = 6.1s Dmag = 2.1 Sun: 68° Moon: 132°</p>
<p>2018 apr 11 19h 5.3m A18_04049 223 Rosa PPMX 8353945 Diam = 90.7 m = 14.2</p>  <p>Dur = 9.9s Dmag = 1.9 Sun: 153° Moon: 155°</p>	<p>2018 apr 13 21h57.9m A18_04036 145 Adeona HSOY 556099077 Diam = 155.0 m = 12.3</p>  <p>Dur = 8.3s Dmag = 1.0 Sun: 89° Moon: 117°</p>	<p>2018 apr 19 22h39.9m A18_04078 472 Roma HSOY 122193065 Diam = 47.6 m = 13.4</p>  <p>Dur = 5.6s Dmag = 1.3 Sun: 139° Moon: 156°</p>	<p>2018 apr 24 2h25.6m A18_04117 2196 Ellicott HSOY 048657704 Diam = 62.2 m = 12.3</p>  <p>Dur = 11.4s Dmag = 3.6 Sun: 125° Moon: 128°</p>
<p>2018 apr 26 20h15.0m A18_04038 145 Adeona TYC 2473-00078-1 Diam = 155.0 m = 12.9</p>  <p>Dur = 6.7s Dmag = 1.9 Sun: 81° Moon: 59°</p>	<p>2018 may 2 18h39.5m A18_05116 769 Tatjana HSOY 555549315 Diam = 102.0 m = 12.1</p>  <p>Dur = 4.5s Dmag = 3.5 Sun: 71° Moon: 139°</p>	<p>2018 may 4 0h16.1m A18_05068 287 Nephthys TYC 0885-00334-1 Diam = 70.1 m = 11.7</p>  <p>Dur = 13.1s Dmag = 1.6 Sun: 141° Moon: 82°</p>	<p>2018 may 5 17h 1.3m A18_05072 331 Etheridgea HSOY 576295055 Diam = 78.5 m = 14.8</p>  <p>Dur = 8.6s Dmag = 2.5 Sun: 144° Moon: 100°</p>
<p>2018 jun 22 20h36.3m A18_06113 774 Armor TYC 5752-00262-1 Diam = 57.0 m = 12.4</p>  <p>Dur = 9.7s Dmag = 1.3 Sun: 147° Moon: 92°</p>	<p>2018 jul 8 21h47.7m A18_07136 1436 Salonta HSOY 455234677 Diam = 63.6 m = 10.7</p>  <p>Dur = 7.8s Dmag = 4.5 Sun: 135° Moon: 82°</p>	<p>2018 aug 12 20h41.6m A18_08083 506 Marion HSOY 528388456 Diam = 109.0 m = 11.7</p>  <p>Dur = 4.2s Dmag = 2.7 Sun: 76° Moon: 95°</p>	<p>2018 aug 28 22h31.4m A18_08085 513 Centesima HSOY 449788861 Diam = 52.5 m = 11.8</p>  <p>Dur = 4.2s Dmag = 2.2 Sun: 170° Moon: 35°</p>

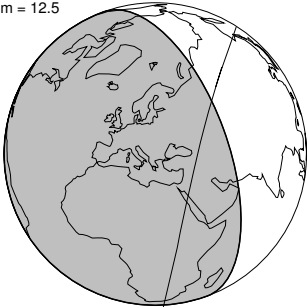
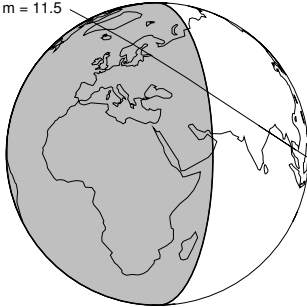
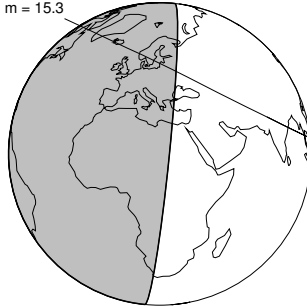
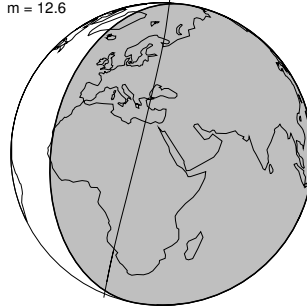
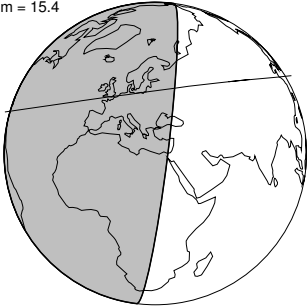
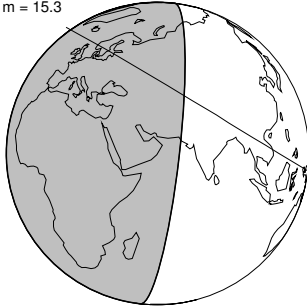
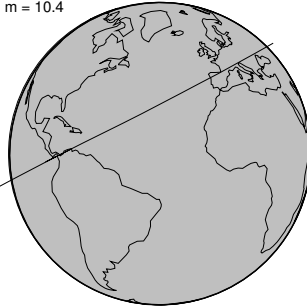
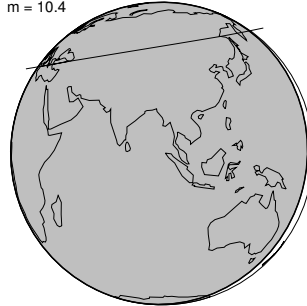
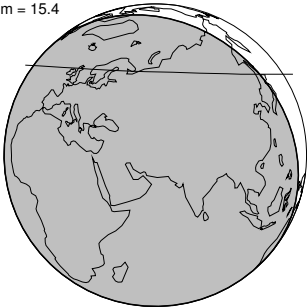
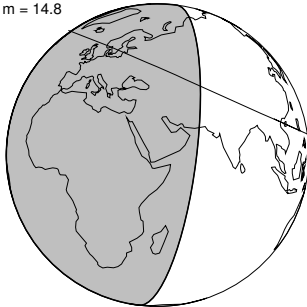
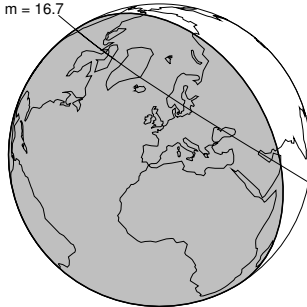
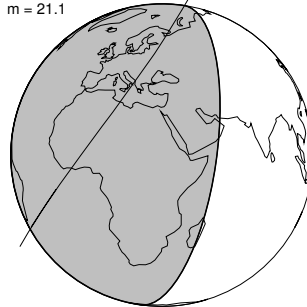
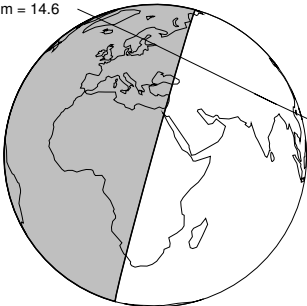
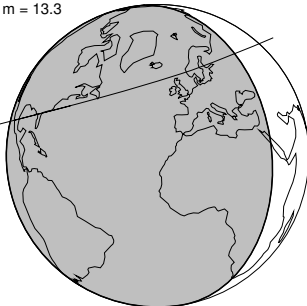
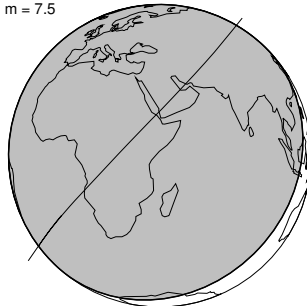
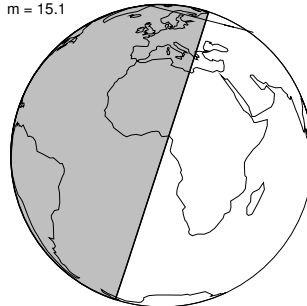
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<p>2018 sep 1 20h46.5m A18_09058 231 Vindobona HSOY 530034609 Diam = 85.1 m = 11.5 m = 15.4</p>  <p>Dur = 4.0s Dmag = 4.0 Sun: 75° Moon: 32°</p>	<p>2018 sep 6 0h48.8m A18_09188 1998WV31 HIP 22829 Diam = 131.8 m = 10.9 m = 23.5</p>  <p>Dur = 24.6s Dmag = 12.7 Sun: 88° Moon: 37°</p>	<p>2018 sep 6 18h54.0m A18_09092 445 Edna TYC 5173-00457-1 Diam = 89.0 m = 11.9 m = 13.7</p>  <p>Dur = 13.8s Dmag = 2.0 Sun: 137° Moon: 167°</p>	<p>2018 sep 12 12h59.8m A18_09186 202421 2005UQ513 HSOY 471068518 Diam = 871.0 m = 12.1 m = 20.3</p>  <p>Dur = 40.3s Dmag = 8.3 Sun: 136° Moon: 149°</p>
<p>2018 sep 13 0h 5.2m A18_09053 216 Kleopatra TYC 1329-01482-1 Diam = 112.6 m = 9.4 m = 11.8</p>  <p>Dur = 3.9s Dmag = 2.5 Sun: 70° Moon: 114°</p>	<p>2018 sep 15 19h32.8m A18_09099 480 Hansa HSOY 458695683 Diam = 58.0 m = 12.3 m = 12.4</p>  <p>Dur = 4.8s Dmag = 0.8 Sun: 149° Moon: 97°</p>	<p>2018 sep 16 19h47.9m A18_09098 480 Hansa TYC 2219-00839-1 Diam = 58.0 m = 10.8 m = 12.4</p>  <p>Dur = 4.8s Dmag = 1.8 Sun: 149° Moon: 87°</p>	<p>2018 sep 20 0h39.7m A18_09078 324 Bamberg UCAC4-601-042812 Diam = 227.6 m = 12.5 m = 11.7</p>  <p>Dur = 7.9s Dmag = 0.4 Sun: 64° Moon: 168°</p>
<p>2018 sep 20 22h52.9m A18_09007 6 Hebe TYC 0730-02644-1 Diam = 186.0 m = 9.3 m = 9.7</p>  <p>Dur = 9.1s Dmag = 1.0 Sun: 84° Moon: 139°</p>	<p>2018 sep 23 2h25.6m A18_09093 449 Hamburga PPMX 6080890 Diam = 88.6 m = 12.3 m = 14.2</p>  <p>Dur = 3.2s Dmag = 2.1 Sun: 73° Moon: 129°</p>	<p>2018 sep 27 22h31.7m A18_09164 1266 Tone HIP 25211 Diam = 76.0 m = 8.8 m = 15.5</p>  <p>Dur = 7.3s Dmag = 6.8 Sun: 101° Moon: 50°</p>	<p>2018 sep 29 18h20.8m A18_09102 482 Petrina TYC 5246-00775-1 Diam = 51.6 m = 11.0 m = 13.2</p>  <p>Dur = 4.2s Dmag = 2.3 Sun: 162° Moon: 74°</p>
<p>2018 sep 29 20h 8.5m A18_09095 465 Alekto UCAC4-540-003316 Diam = 76.6 m = 9.4 m = 15.2</p>  <p>Dur = 5.7s Dmag = 5.9 Sun: 153° Moon: 33°</p>	<p>2018 sep 29 22h 9.9m A18_09040 154 Bertha HSOY 555093763 Diam = 192.0 m = 11.2 m = 13.6</p>  <p>Dur = 8.4s Dmag = 2.5 Sun: 81° Moon: 46°</p>	<p>2018 sep 30 14h12.9m A18_09128 654 Zelinda TYC 2817-00851-1 Diam = 132.0 m = 12.0 m = 12.1</p>  <p>Dur = 15.4s Dmag = 0.8 Sun: 141° Moon: 49°</p>	<p>2018 oct 5 2h21.2m A18_10075 404 Arsinoë HSOY 524798002 Diam = 101.0 m = 12.5 m = 14.4</p>  <p>Dur = 13.6s Dmag = 2.1 Sun: 104° Moon: 50°</p>

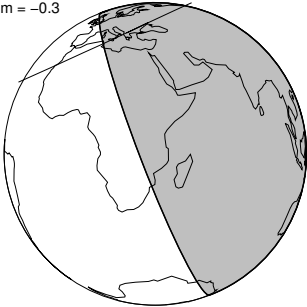
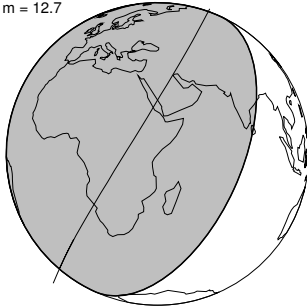
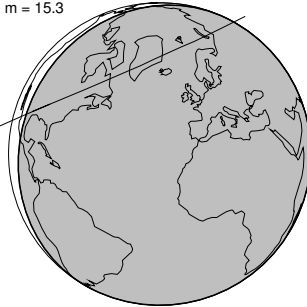
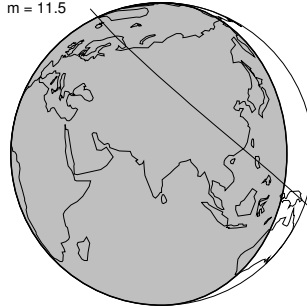
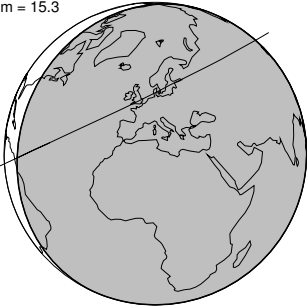
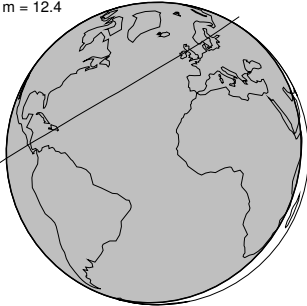
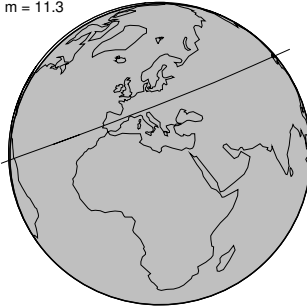
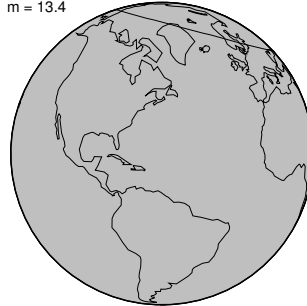
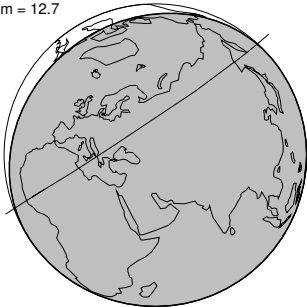
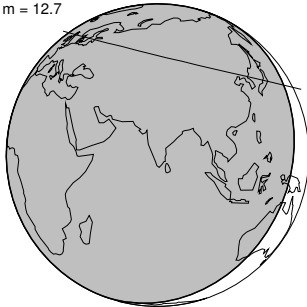
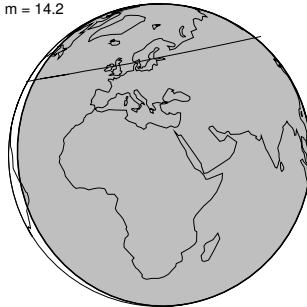
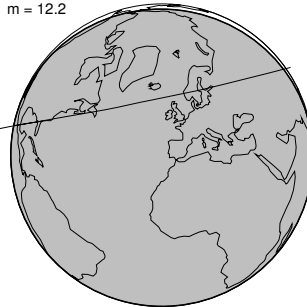
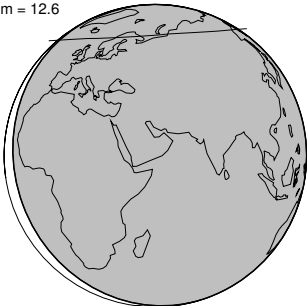
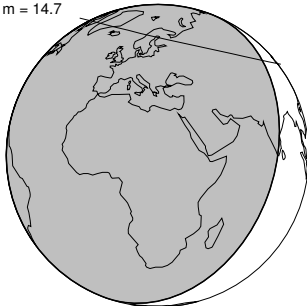
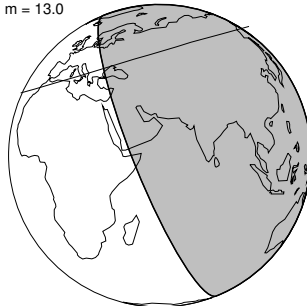
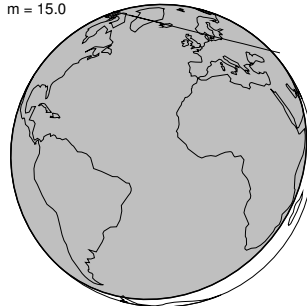
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Region 5

<p>2018 oct 9 2h 0.2m A18_10106 602 Marianna HSOY 533647786 Diam = 130.0 m = 11.1 m = 12.5</p>  <p>Dur = 17.5s Dmag = 1.7 Sun: 118° Moon: 116°</p>	<p>2018 oct 10 2h 7.4m A18_10026 80 Sappho HSOY 525058236 Diam = 81.7 m = 11.6 m = 11.5</p>  <p>Dur = 10.5s Dmag = 0.7 Sun: 111° Moon: 124°</p>	<p>2018 oct 10 4h16.4m A18_10147 1596 Itzigsohn HSOY 545280696 Diam = 51.1 m = 11.6 m = 15.3</p>  <p>Dur = 3.2s Dmag = 3.7 Sun: 93° Moon: 107°</p>	<p>2018 oct 12 18h39.7m A18_10086 480 Hansa HSOY 458546720 Diam = 58.0 m = 11.2 m = 12.6</p>  <p>Dur = 5.0s Dmag = 1.7 Sun: 137° Moon: 97°</p>
<p>2018 oct 15 3h55.0m A18_10118 671 Carnegie TYC 2451-01081-1 Diam = 63.7 m = 12.2 m = 15.4</p>  <p>Dur = 4.4s Dmag = 3.3 Sun: 94° Moon: 163°</p>	<p>2018 oct 16 1h32.4m A18_10148 1596 Itzigsohn TYC 1352-01348-1 Diam = 51.1 m = 11.8 m = 15.3</p>  <p>Dur = 3.7s Dmag = 3.5 Sun: 98° Moon: 178°</p>	<p>2018 oct 17 1h38.7m A18_10018 43 Ariadne TYC 0608-00697-1 Diam = 65.3 m = 12.1 m = 10.4</p>  <p>Dur = 6.6s Dmag = 0.2 Sun: 172° Moon: 81°</p>	<p>2018 oct 17 18h34.0m A18_10009 23 Thalia TYC 0052-01535-1 Diam = 111.0 m = 10.5 m = 10.4</p>  <p>Dur = 10.4s Dmag = 0.7 Sun: 163° Moon: 93°</p>
<p>2018 oct 18 20h57.5m A18_10103 591 Irmgard HSOY 473872090 Diam = 54.7 m = 11.8 m = 15.4</p>  <p>Dur = 4.3s Dmag = 3.6 Sun: 150° Moon: 92°</p>	<p>2018 oct 21 1h49.3m A18_10057 239 Adrastea HSOY 544792018 Diam = 43.0 m = 11.8 m = 14.8</p>  <p>Dur = 4.3s Dmag = 3.0 Sun: 104° Moon: 117°</p>	<p>2018 oct 25 2h11.0m A18_10155 2765 Dinant PPMX 2977365 Diam = 46.6 m = 12.3 m = 16.7</p>  <p>Dur = 5.2s Dmag = 4.4 Sun: 137° Moon: 41°</p>	<p>2018 oct 25 2h14.7m B18_10003 250112 2002KY14 HSOY 540126711 Diam = 47.9 m = 13.6 m = 21.1</p>  <p>Dur = 5.8s Dmag = 7.5 Sun: 111° Moon: 63°</p>
<p>2018 nov 2 4h 4.4m A18_11055 336 Lacadiera HSOY 550688649 Diam = 72.0 m = 12.1 m = 14.6</p>  <p>Dur = 4.2s Dmag = 2.6 Sun: 88° Moon: 20°</p>	<p>2018 nov 4 3h44.2m A18_11083 539 Pamina PPMX 4973205 Diam = 55.3 m = 12.5 m = 13.3</p>  <p>Dur = 13.0s Dmag = 1.2 Sun: 138° Moon: 94°</p>	<p>2018 nov 5 22h 9.5m A18_11001 3 Juno TYC 4725-00763-1 Diam = 257.6 m = 12.0 m = 7.5</p>  <p>Dur = 36.3s Dmag = 0.0 Sun: 153° Moon: 141°</p>	<p>2018 nov 13 5h16.2m A18_11131 1585 Union HSOY 565347873 Diam = 52.1 m = 11.8 m = 15.1</p>  <p>Dur = 3.6s Dmag = 3.4 Sun: 90° Moon: 149°</p>

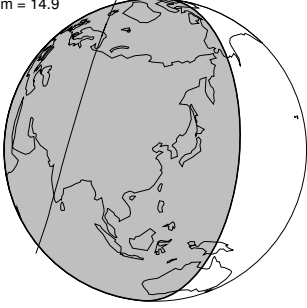
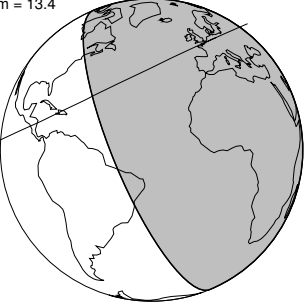
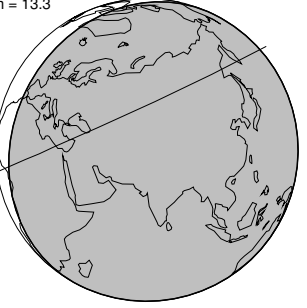
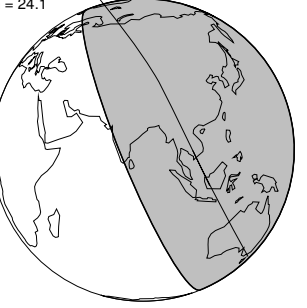
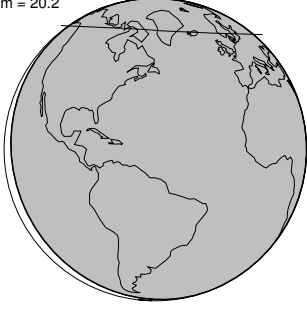
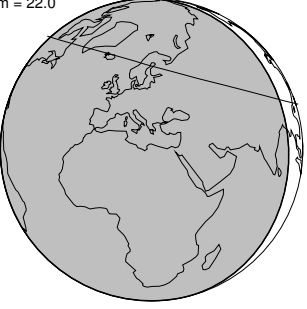
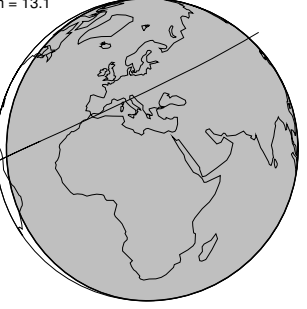
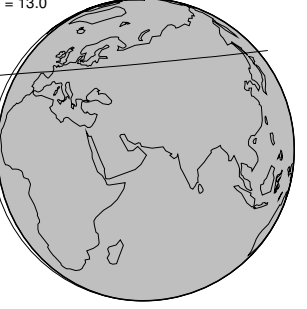
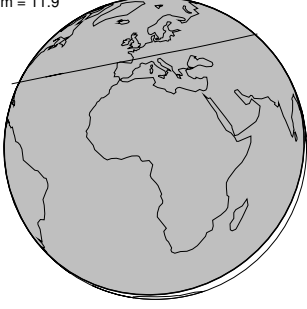
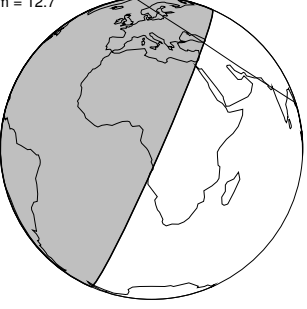
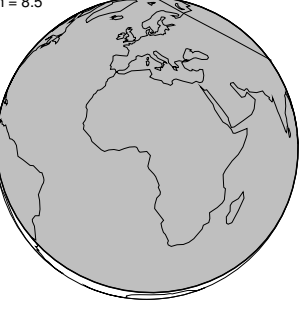
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<p>2018 nov 17 16h 6.0m P18_11001 Mars TYC 5809-00005-1 Diam = 6759.2 m = 9.4 m = -0.3</p>  <p>Dur = 400.5s Dmag = 0.0 Sun: 95° Moon: 17°</p>	<p>2018 nov 18 0h33.1m A18_11007 25 Phocaea TYC 4814-02050-1 Diam = 78.0 m = 8.6 m = 12.7</p>  <p>Dur = 6.7s Dmag = 4.1 Sun: 123° Moon: 112°</p>	<p>2018 nov 20 23h54.9m A18_11093 591 Irmgard HSOY 473345783 Diam = 54.7 m = 12.4 m = 15.3</p>  <p>Dur = 4.0s Dmag = 3.0 Sun: 156° Moon: 26°</p>	<p>2018 nov 23 20h54.4m A18_11110 776 Berbericia TYC 1882-00042-1 Diam = 121.3 m = 11.6 m = 11.5</p>  <p>Dur = 12.1s Dmag = 0.7 Sun: 145° Moon: 27°</p>
<p>2018 nov 23 21h26.3m A18_11094 591 Irmgard HSOY 473004465 Diam = 54.7 m = 12.4 m = 15.3</p>  <p>Dur = 4.1s Dmag = 2.9 Sun: 154° Moon: 35°</p>	<p>2018 dec 1 2h45.9m A18_12126 714 Ulula HSOY 522747158 Diam = 41.0 m = 11.8 m = 12.4</p>  <p>Dur = 3.7s Dmag = 1.1 Sun: 159° Moon: 87°</p>	<p>2018 dec 5 22h 1.3m A18_12014 38 Leda HSOY 529136106 Diam = 120.0 m = 11.5 m = 11.3</p>  <p>Dur = 12.1s Dmag = 0.6 Sun: 169° Moon: 163°</p>	<p>2018 dec 7 4h 5.7m A18_12147 1303 Luthera HSOY 523851460 Diam = 88.8 m = 12.0 m = 13.4</p>  <p>Dur = 5.7s Dmag = 1.7 Sun: 177° Moon: 173°</p>
<p>2018 dec 9 19h28.2m A18_12095 506 Marion HSOY 414209679 Diam = 109.0 m = 12.2 m = 12.7</p>  <p>Dur = 9.7s Dmag = 1.1 Sun: 154° Moon: 135°</p>	<p>2018 dec 10 20h36.1m A18_12088 479 Caprera HIP 33753 Diam = 77.5 m = 7.7 m = 12.7</p>  <p>Dur = 10.8s Dmag = 5.0 Sun: 151° Moon: 163°</p>	<p>2018 dec 10 20h42.2m A18_12091 492 Gismonda TYC 1243-00203-1 Diam = 54.0 m = 11.6 m = 14.2</p>  <p>Dur = 5.1s Dmag = 2.7 Sun: 159° Moon: 120°</p>	<p>2018 dec 11 0h50.1m A18_12033 84 Klio HSOY 534046867 Diam = 83.0 m = 12.1 m = 12.2</p>  <p>Dur = 7.5s Dmag = 0.8 Sun: 164° Moon: 139°</p>
<p>2018 dec 11 18h58.5m A18_12063 261 Prymno TYC 1252-00378-1 Diam = 52.6 m = 11.3 m = 12.6</p>  <p>Dur = 5.6s Dmag = 1.6 Sun: 159° Moon: 109°</p>	<p>2018 dec 15 1h 1.5m A18_12144 1212 Francette TYC 0793-01335-1 Diam = 90.7 m = 10.6 m = 14.7</p>  <p>Dur = 15.0s Dmag = 4.1 Sun: 140° Moon: 133°</p>	<p>2018 dec 15 14h26.9m A18_12048 172 Baucis HIP 118019 Diam = 64.5 m = 8.4 m = 13.0</p>  <p>Dur = 4.6s Dmag = 4.6 Sun: 100° Moon: 17°</p>	<p>2018 dec 16 2h41.2m A18_12143 1191 Alfaterna HSOY 538058177 Diam = 45.6 m = 7.5 m = 15.0</p>  <p>Dur = 3.8s Dmag = 7.4 Sun: 154° Moon: 100°</p>

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<p>2018 dec 16 20h17.1m A18_12148 1323 Tugela HSOY 580961107 Diam = 60.1 m = 10.3 m = 14.9</p>  <p>Dur = 6.5s Dmag = 4.6 Sun: 123° Moon: 126°</p>	<p>2018 dec 17 20h59.4m A18_12026 66 Maja HSOY 468453962 Diam = 78.3 m = 13.4</p>  <p>Dur = 6.8s Dmag = 1.7 Sun: 104° Moon: 14°</p>	<p>2018 dec 19 17h22.3m A18_12097 516 Amherstia HSOY 528447483 Diam = 75.7 m = 11.9 m = 13.3</p>  <p>Dur = 5.2s Dmag = 1.7 Sun: 152° Moon: 29°</p>	<p>2018 dec 23 12h32.7m A18_12164 2003QX91 HSOY 468574170 Diam = 87.1 m = 12.5 m = 24.1</p>  <p>Dur = 30.4s Dmag = 11.6 Sun: 98° Moon: 92°</p>
<p>2018 dec 24 2h24.0m B18_12003 145451 2005RM43 HSOY 523226575 Diam = 524.8 m = 13.3 m = 20.2</p>  <p>Dur = 22.1s Dmag = 7.0 Sun: 161° Moon: 37°</p>	<p>2018 dec 25 0h20.7m B18_12014 2014TZ85 HSOY 555782784 Diam = 501.2 m = 13.2 m = 22.0</p>  <p>Dur = 20.5s Dmag = 8.8 Sun: 154° Moon: 12°</p>	<p>2018 dec 25 20h58.5m A18_12107 539 Pamina UCAC4-575-011885 Diam = 55.3 m = 12.1 m = 13.1</p>  <p>Dur = 6.5s Dmag = 1.3 Sun: 158° Moon: 65°</p>	<p>2018 dec 27 19h 2.4m A18_12051 184 Dejopeja HSOY 525775291 Diam = 68.2 m = 12.1 m = 13.0</p>  <p>Dur = 5.3s Dmag = 1.3 Sun: 164° Moon: 84°</p>
<p>2018 dec 28 0h 1.9m A18_12040 95 Arethusa HSOY 542561222 Diam = 145.0 m = 11.5 m = 11.9</p>  <p>Dur = 11.6s Dmag = 1.0 Sun: 162° Moon: 62°</p>	<p>2018 dec 28 4h46.6m A18_12042 111 Ate TYC 4942-00693-1 Diam = 139.0 m = 10.6 m = 12.7</p>  <p>Dur = 8.7s Dmag = 2.2 Sun: 93° Moon: 14°</p>	<p>2018 dec 31 23h 4.3m A18_12009 6 Hebe HSOY 536927610 Diam = 186.0 m = 11.1 m = 8.5</p>  <p>Dur = 16.7s Dmag = 0.1 Sun: 161° Moon: 126°</p>	