

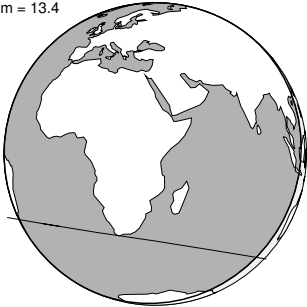
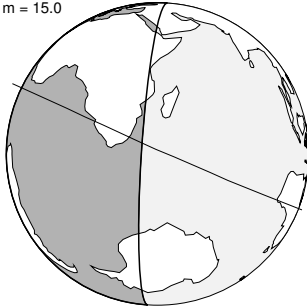
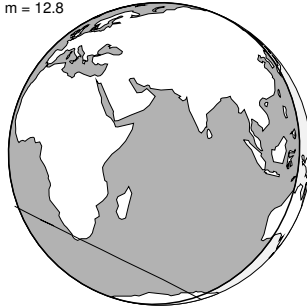
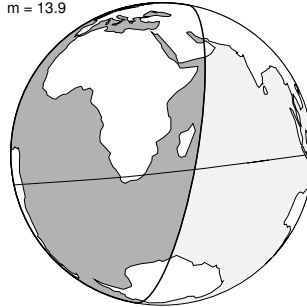
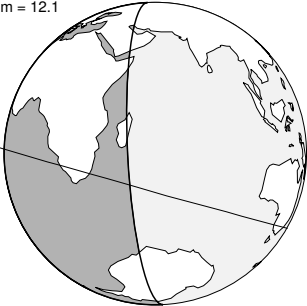
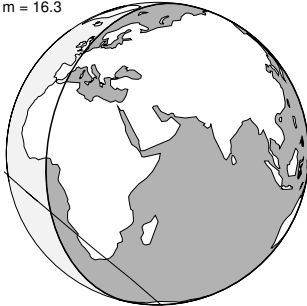
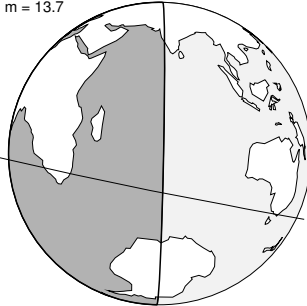
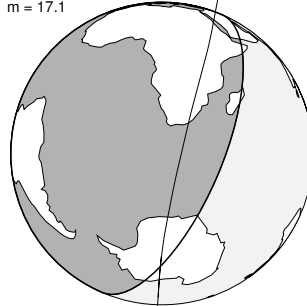
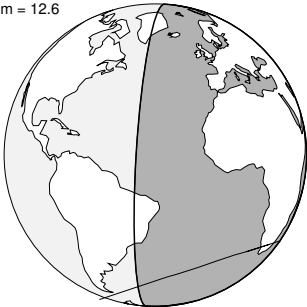
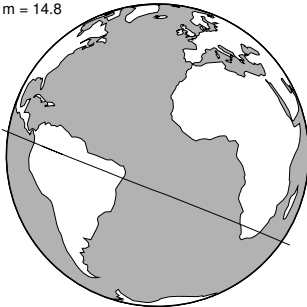
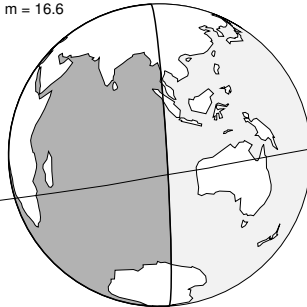
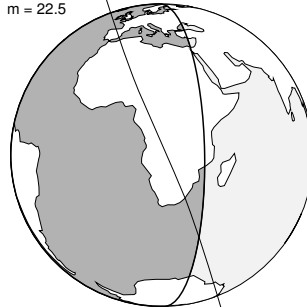
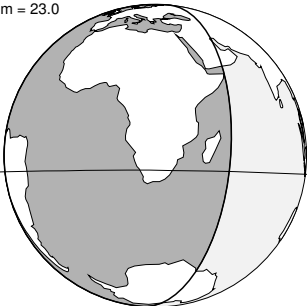
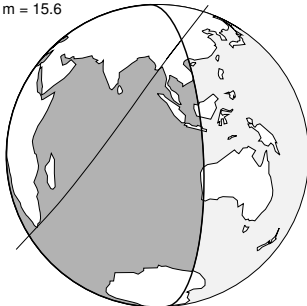
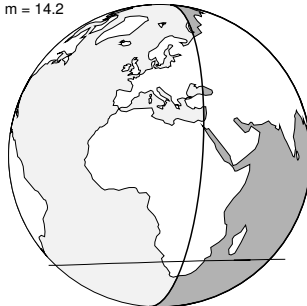
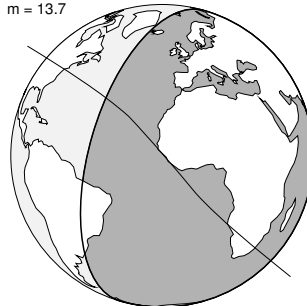
Occultations by major and minor planets – 2021

Region 4

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<p>2021 jan 26 20h 0.5m A21_01104 500 Selinur TYC 1823-00285-1 Diam = 45.1 m = 11.5 m = 13.7</p> <p>Dur = 7.7s Dmag = 2.3 Sun: 119° Moon: 36°</p>	<p>2021 jan 28 20h53.8m A21_01076 345 Tercidina UCAC4 486-023796 Diam = 100.0 m = 12.3 m = 11.9</p> <p>Dur = 16.1s Dmag = 0.6 Sun: 145° Moon: 38°</p>	<p>2021 feb 1 22h49.3m A21_02133 679 Pax PPMX 5079713 Diam = 65.5 m = 12.1 m = 12.5</p> <p>Dur = 5.5s Dmag = 1.0 Sun: 154° Moon: 78°</p>	<p>2021 feb 2 1h49.4m A21_02135 718 Erida UCAC4 564-046948 Diam = 76.5 m = 11.5 m = 13.8</p> <p>Dur = 7.1s Dmag = 2.4 Sun: 163° Moon: 42°</p>
<p>2021 feb 8 22h36.8m A21_02095 342 Endymion PPMX 7003850 Diam = 65.0 m = 12.3 m = 13.7</p> <p>Dur = 41.9s Dmag = 1.7 Sun: 132° Moon: 164°</p>	<p>2021 feb 16 18h58.7m A21_02108 395 Delia UCAC4 555-029453 Diam = 54.0 m = 12.3 m = 15.4</p> <p>Dur = 14.7s Dmag = 3.1 Sun: 129° Moon: 72°</p>	<p>2021 feb 18 1h14.4m A21_02042 95 Arethusa TYC 6793-01488-1 Diam = 145.0 m = 11.8 m = 14.2</p> <p>Dur = 8.3s Dmag = 2.5 Sun: 83° Moon: 154°</p>	<p>2021 feb 22 23h 5.8m A21_02050 112 Iphigenia TYC 6182-00977-1 Diam = 75.5 m = 11.1 m = 14.7</p> <p>Dur = 6.5s Dmag = 3.7 Sun: 101° Moon: 133°</p>
<p>2021 feb 23 2h19.6m A21_02004 12 Victoria TYC 6841-01298-1 Diam = 117.0 m = 12.4 m = 11.6</p> <p>Dur = 3.4s Dmag = 0.4 Sun: 65° Moon: 167°</p>	<p>2021 feb 24 1h56.8m A21_02061 154 Bertha TYC 7400-00473-1 Diam = 192.0 m = 10.9 m = 13.5</p> <p>Dur = 6.1s Dmag = 2.7 Sun: 63° Moon: 156°</p>	<p>2021 feb 28 0h55.4m A21_02139 758 Mancunia UCAC4 350-105863 Diam = 86.5 m = 12.4 m = 14.7</p> <p>Dur = 3.9s Dmag = 2.5 Sun: 75° Moon: 95°</p>	<p>2021 mar 1 18h11.5m A21_03089 275 Sapientia TYC 1275-01756-1 Diam = 103.0 m = 11.1 m = 13.9</p> <p>Dur = 6.9s Dmag = 2.8 Sun: 91° Moon: 121°</p>

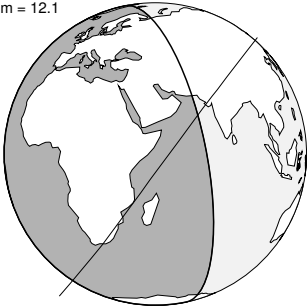
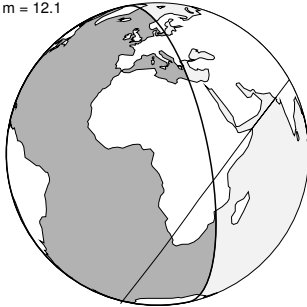
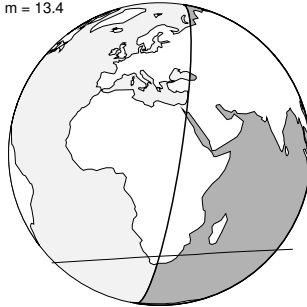
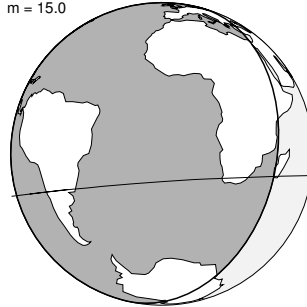
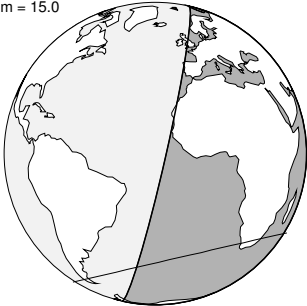
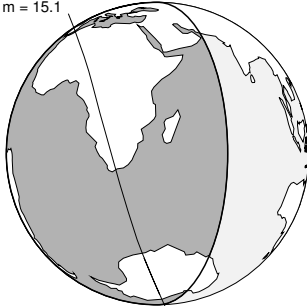
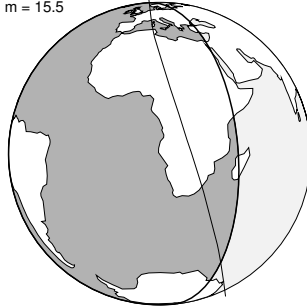
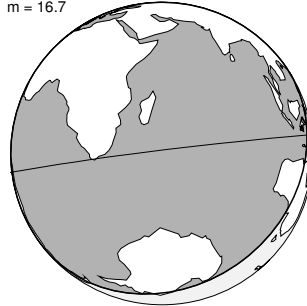
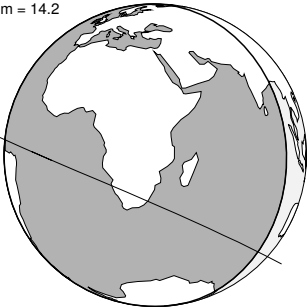
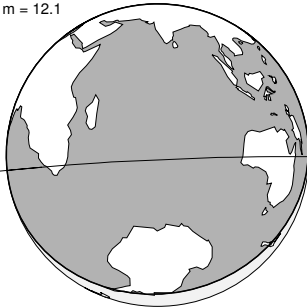
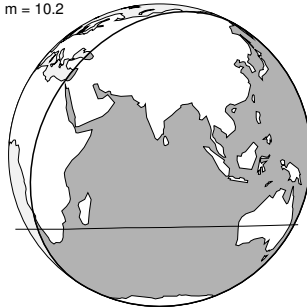
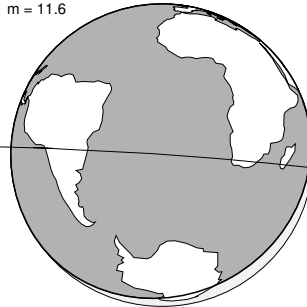
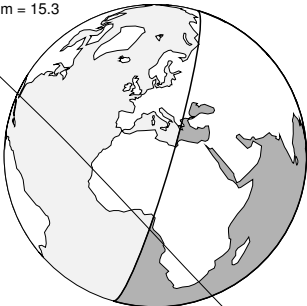
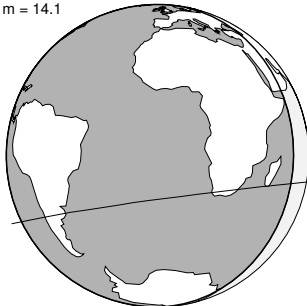

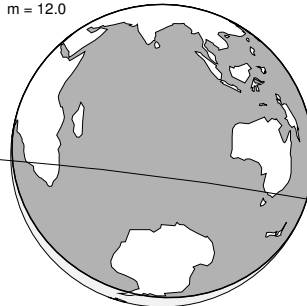
Occultations by major and minor planets – 2021

Region 4

<p>2021 mar 2 22h45.7m A21_03115 366 Vincentina TYC 4932-00396-1 Diam = 98.1 m = 11.5 m = 13.4</p>  <p>Dur = 7.5s Dmag = 2.0 Sun: 162° Moon: 32°</p>	<p>2021 mar 3 3h34.1m A21_03136 506 Marion UCAC4 254-103036 Diam = 109.0 m = 12.4 m = 15.0</p>  <p>Dur = 5.9s Dmag = 2.6 Sun: 83° Moon: 49°</p>	<p>2021 mar 3 21h35.9m A21_03070 182 Elsa TYC 0282-00543-1 Diam = 45.3 m = 11.6 m = 12.8</p>  <p>Dur = 4.3s Dmag = 1.5 Sun: 156° Moon: 38°</p>	<p>2021 mar 12 2h36.0m A21_03049 95 Arethusa UCAC4 328-084350 Diam = 145.0 m = 12.2 m = 13.9</p>  <p>Dur = 18.8s Dmag = 1.9 Sun: 103° Moon: 88°</p>
<p>2021 mar 14 2h54.0m A21_03102 344 Desiderata UCAC4 308-213087 Diam = 138.0 m = 12.0 m = 12.1</p>  <p>Dur = 4.7s Dmag = 0.8 Sun: 79° Moon: 87°</p>	<p>2021 mar 15 17h58.0m A21_03182 1754 Cunningham TYC 0814-01007-1 Diam = 82.6 m = 11.3 m = 16.3</p>  <p>Dur = 8.0s Dmag = 5.0 Sun: 136° Moon: 110°</p>	<p>2021 mar 20 1h10.1m A21_03079 227 Philosophia TYC 7381-00004-1 Diam = 90.1 m = 9.5 m = 13.7</p>  <p>Dur = 4.9s Dmag = 4.2 Sun: 91° Moon: 161°</p>	<p>2021 mar 24 2h52.3m A21_03194 5120 Bitias TYC 8310-00805-1 Diam = 52.5 m = 12.1 m = 17.1</p>  <p>Dur = 7.2s Dmag = 5.0 Sun: 113° Moon: 124°</p>
<p>2021 mar 24 21h 3.1m A21_03097 313 Chaldaea TYC 0755-00993-1 Diam = 101.0 m = 11.3 m = 12.6</p>  <p>Dur = 6.0s Dmag = 1.6 Sun: 97° Moon: 34°</p>	<p>2021 mar 29 1h27.1m A21_03133 492 Gismonda HIP 60402 Diam = 54.0 m = 9.3 m = 14.8</p>  <p>Dur = 3.5s Dmag = 5.5 Sun: 177° Moon: 7°</p>	<p>2021 mar 30 23h26.3m A21_03188 2357 Phereclos TYC 6274-01496-1 Diam = 103.0 m = 11.0 m = 16.6</p>  <p>Dur = 8.2s Dmag = 5.5 Sun: 92° Moon: 57°</p>	<p>2021 apr 2 3h41.3m A21_04154 2014KB102 UCAC4 376-094040 Diam = 158.5 m = 12.4 m = 22.5</p>  <p>Dur = 29.6s Dmag = 10.0 Sun: 106° Moon: 15°</p>
<p>2021 apr 9 2h29.6m B21_04003 363401 2003LB7 UCAC4 330-097009 Diam = 190.5 m = 14.8 m = 23.0</p>  <p>Dur = 19.9s Dmag = 8.2 Sun: 119° Moon: 86°</p>	<p>2021 apr 10 22h36.5m A21_04134 1172 Aeneas TYC 6272-00078-1 Diam = 151.0 m = 7.7 m = 15.6</p>  <p>Dur = 19.2s Dmag = 7.9 Sun: 107° Moon: 95°</p>	<p>2021 apr 12 16h 7.9m A21_04050 168 Sibylla UCAC4 545-027580 Diam = 154.0 m = 12.0 m = 14.2</p>  <p>Dur = 6.4s Dmag = 2.3 Sun: 73° Moon: 67°</p>	<p>2021 apr 12 21h 7.5m A21_04083 382 Dodona UCAC4 502-051225 Diam = 60.0 m = 12.1 m = 13.7</p>  <p>Dur = 31.5s Dmag = 1.8 Sun: 118° Moon: 110°</p>

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<p>2021 apr 16 1h22.9m A21_04032 105 Artemis UCAC4 464-074436 Diam = 123.0 m = 12.3 m = 12.1</p>  <p>Dur = 8.0s Dmag = 0.7 Sun: 109° Moon: 145°</p>	<p>2021 apr 16 3h52.5m A21_04033 105 Artemis UCAC4 464-074461 Diam = 123.0 m = 12.0 m = 12.1</p>  <p>Dur = 8.1s Dmag = 0.8 Sun: 109° Moon: 145°</p>	<p>2021 apr 16 16h 4.6m A21_04074 345 Tercidina TYC 0770-00957-1 Diam = 100.0 m = 11.9 m = 13.4</p>  <p>Dur = 4.4s Dmag = 1.7 Sun: 82° Moon: 34°</p>	<p>2021 apr 19 3h22.4m A21_04059 271 Penthesilea TYC 6803-02137-1 Diam = 61.2 m = 10.4 m = 15.0</p>  <p>Dur = 9.0s Dmag = 4.6 Sun: 138° Moon: 144°</p>
<p>2021 apr 24 19h21.7m A21_04103 547 Praxedis TYC 0193-00821-1 Diam = 73.0 m = 10.0 m = 15.0</p>  <p>Dur = 3.5s Dmag = 5.0 Sun: 85° Moon: 64°</p>	<p>2021 apr 25 1h34.3m A21_04064 293 Brasilia UCAC5 303-218445 Diam = 58.0 m = 12.4 m = 15.1</p>  <p>Dur = 8.4s Dmag = 2.7 Sun: 117° Moon: 92°</p>	<p>2021 apr 25 3h13.3m A21_04135 1172 Aeneas TYC 6268-00748-1 Diam = 151.0 m = 11.4 m = 15.5</p>  <p>Dur = 24.3s Dmag = 4.0 Sun: 121° Moon: 87°</p>	<p>2021 apr 25 21h34.2m A21_04148 2765 Dinant UCAC4 267-080088 Diam = 46.6 m = 12.4 m = 16.7</p>  <p>Dur = 3.9s Dmag = 4.3 Sun: 152° Moon: 45°</p>
<p>2021 apr 27 23h48.1m A21_04123 799 Gudula TYC 5638-00738-1 Diam = 46.5 m = 10.5 m = 14.2</p>  <p>Dur = 5.8s Dmag = 3.7 Sun: 150° Moon: 18°</p>	<p>2021 may 4 19h19.4m A21_05104 804 Hispania UCAC4 253-073884 Diam = 140.6 m = 11.6 m = 12.1</p>  <p>Dur = 11.6s Dmag = 1.0 Sun: 156° Moon: 89°</p>	<p>2021 may 5 16h32.4m A21_05006 9 Metis UCAC4 463-050263 Diam = 231.2 m = 12.4 m = 10.2</p>  <p>Dur = 35.3s Dmag = 0.1 Sun: 142° Moon: 149°</p>	<p>2021 may 6 1h41.5m A21_05064 324 Bamberg Gaia 055-0270565 Diam = 227.6 m = 12.3 m = 11.6</p>  <p>Dur = 16.6s Dmag = 0.4 Sun: 158° Moon: 100°</p>
<p>2021 may 8 17h23.0m A21_05080 501 Urhixidur HIP 44920 Diam = 80.1 m = 9.8 m = 15.3</p>  <p>Dur = 4.2s Dmag = 5.5 Sun: 83° Moon: 117°</p>	<p>2021 may 10 2h15.2m A21_05058 267 Tirza UCAC4 344-085360 Diam = 53.6 m = 11.6 m = 14.1</p>  <p>Dur = 7.4s Dmag = 2.7 Sun: 153° Moon: 136°</p>	<p>2021 may 13 18h37.7m A21_05097 695 Bella TYC 7300-00151-1 Diam = 51.2 m = 11.1 m = 13.2</p>  <p>Dur = 4.0s Dmag = 2.2 Sun: 163° Moon: 149°</p>	<p>2021 may 14 17h54.7m A21_05105 804 Hispania HIP 72958 Diam = 140.6 m = 7.7 m = 12.0</p>  <p>Dur = 11.4s Dmag = 4.4 Sun: 158° Moon: 142°</p>

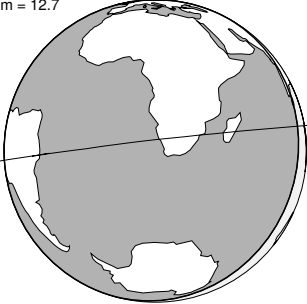
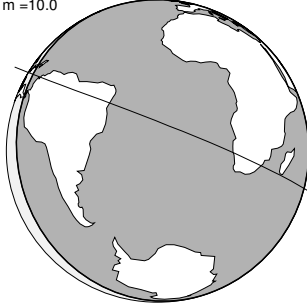
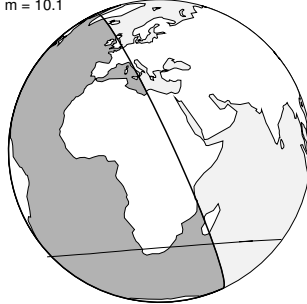
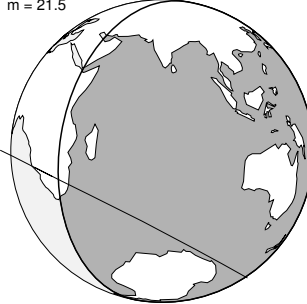
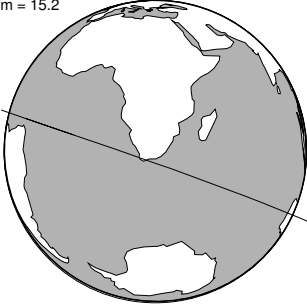
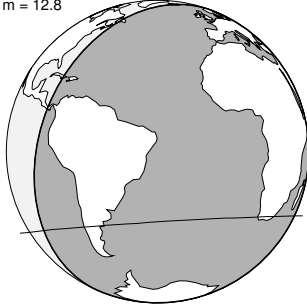
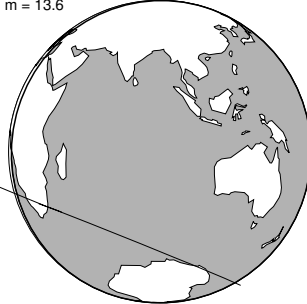
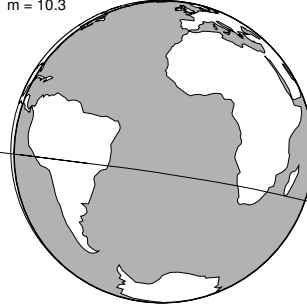
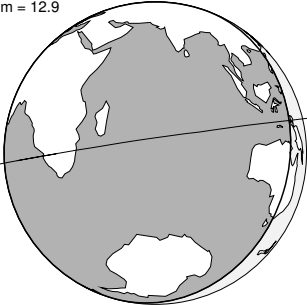
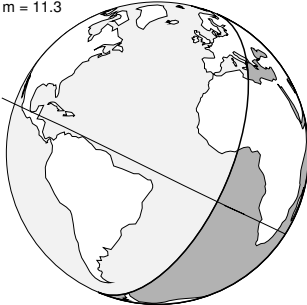
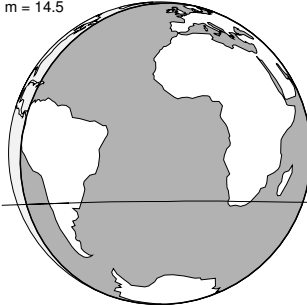
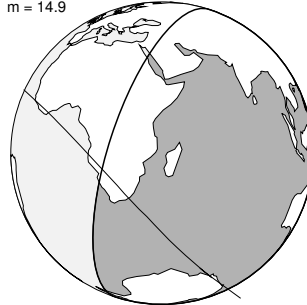
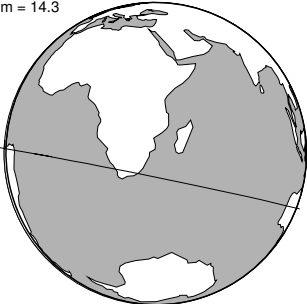
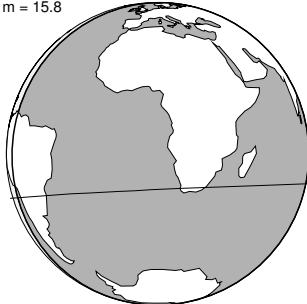
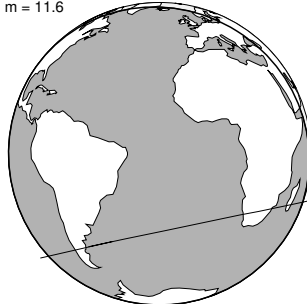
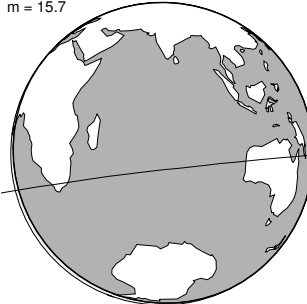
Occultations by major and minor planets – 2021

Region 4

<p>2021 may 17 20h49.7m A21_05108 816 Juliana UCAC4 451-060365 Diam = 62.5 m = 11.2 m = 14.8</p> <p>Dur = 5.1s Dmag = 3.7 Sun: 159° Moon: 111°</p>	<p>2021 may 19 22h38.8m A21_05044 170 Maria UCAC4 255-125916 Diam = 46.2 m = 11.2 m = 13.5</p> <p>Dur = 5.1s Dmag = 2.5 Sun: 148° Moon: 116°</p>	<p>2021 may 20 18h30.8m A21_05041 164 Eva PPMX 9545032 Diam = 110.0 m = 12.1 m = 13.2</p> <p>Dur = 6.7s Dmag = 1.5 Sun: 160° Moon: 66°</p>	<p>2021 may 22 20h50.2m A21_05116 1072 Malva TYC 7424-02455-1 Diam = 46.5 m = 10.3 m = 16.4</p> <p>Dur = 6.8s Dmag = 6.1 Sun: 131° Moon: 98°</p>
<p>2021 may 25 17h47.1m A21_05031 118 Peitho UCAC4 350-074338 Diam = 45.7 m = 12.0 m = 13.0</p> <p>Dur = 3.6s Dmag = 1.4 Sun: 167° Moon: 4°</p>	<p>2021 may 25 20h31.6m A21_05143 5120 Bitias UCAC4 224-094125 Diam = 52.5 m = 12.4 m = 16.6</p> <p>Dur = 3.1s Dmag = 4.2 Sun: 154° Moon: 27°</p>	<p>2021 may 29 17h34.2m A21_05047 195 Eurykleia UCAC5 313-076618 Diam = 89.0 m = 12.5 m = 13.2</p> <p>Dur = 7.7s Dmag = 1.2 Sun: 165° Moon: 57°</p>	<p>2021 may 29 22h25.1m A21_05005 6 Hebe UCAC4 415-134283 Diam = 186.0 m = 12.3 m = 9.6</p> <p>Dur = 140.9s Dmag = 0.1 Sun: 125° Moon: 18°</p>
<p>2021 may 30 21h27.7m A21_05018 63 Ausonia UCAC4 284-094047 Diam = 108.0 m = 12.1 m = 9.8</p> <p>Dur = 14.3s Dmag = 0.1 Sun: 168° Moon: 56°</p>	<p>2021 jun 3 20h32.5m A21_06009 27 Euterpe UCAC4 339-180924 Diam = 124.0 m = 11.7 m = 11.3</p> <p>Dur = 15.4s Dmag = 0.5 Sun: 145° Moon: 73°</p>	<p>2021 jun 3 23h42.2m A21_06107 568 Cheruskia UCAC5 334-067643 Diam = 89.7 m = 12.2 m = 14.3</p> <p>Dur = 7.1s Dmag = 2.2 Sun: 147° Moon: 139°</p>	<p>2021 jun 7 0h 1.5m A21_06102 491 Carina UCAC4 463-105197 Diam = 101.0 m = 11.8 m = 13.9</p> <p>Dur = 11.8s Dmag = 2.2 Sun: 135° Moon: 104°</p>
<p>2021 jun 8 1h41.6m B21_06001 5145 Pholus UCAC4 391-087603 Diam = 166.0 m = 14.3 m = 21.7</p> <p>Dur = 6.8s Dmag = 7.3 Sun: 159° Moon: 136°</p>	<p>2021 jun 10 19h11.5m A21_06048 139 Juewa UCAC4 249-132000 Diam = 164.0 m = 12.3 m = 11.7</p> <p>Dur = 14.2s Dmag = 0.5 Sun: 161° Moon: 164°</p>	<p>2021 jun 14 18h23.0m A21_06090 419 Aurelia UCAC4 359-127698 Diam = 133.0 m = 11.8 m = 10.2</p> <p>Dur = 24.7s Dmag = 0.2 Sun: 169° Moon: 139°</p>	<p>2021 jun 18 21h44.6m B21_06004 50000 Quaoar UCAC5 375-111946 Diam = 1110.0 m = 14.9 m = 18.7</p> <p>Dur = 45.4s Dmag = 3.8 Sun: 169° Moon: 87°</p>

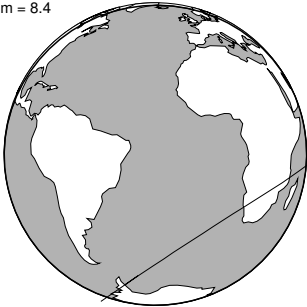
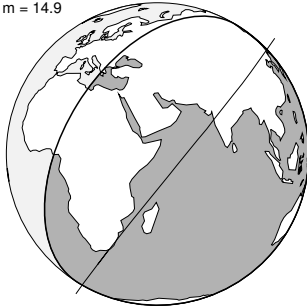
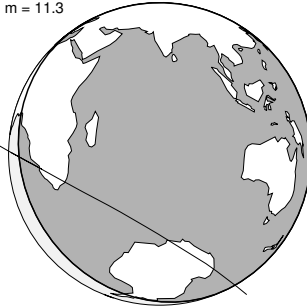
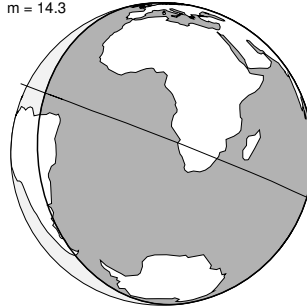
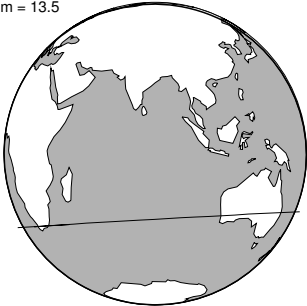
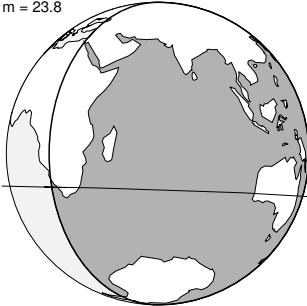
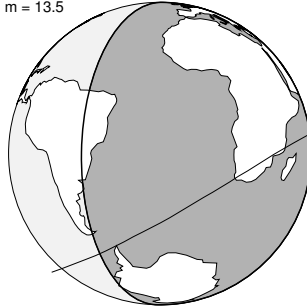
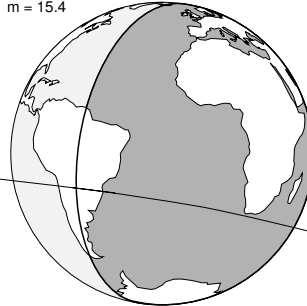
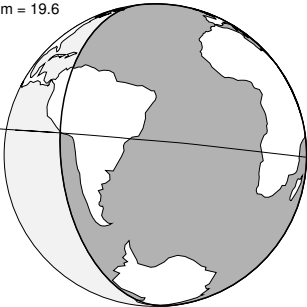
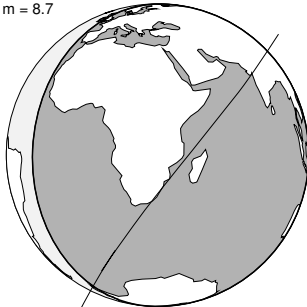
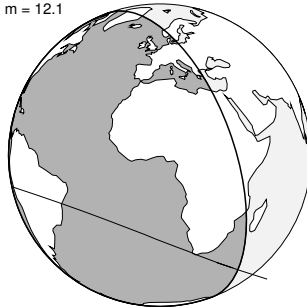
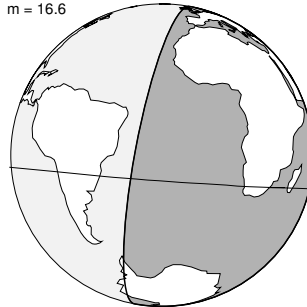
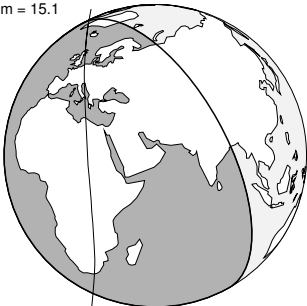
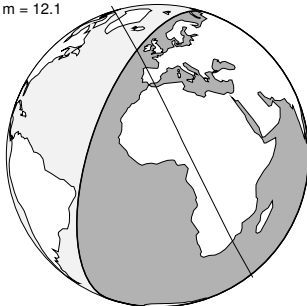
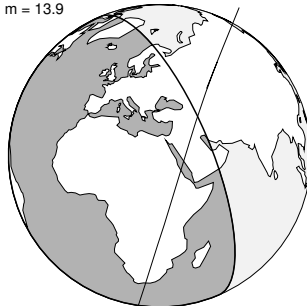
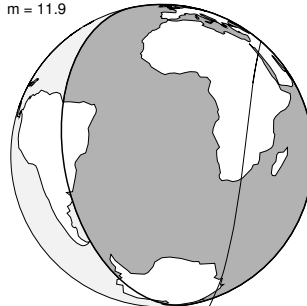
Occultations by major and minor planets – 2021

Region 4

<p>2021 jun 19 0h26.4m A21_06024 78 Diana UCAC4 286–207570 Diam = 116.0 m = 11.3 m = 12.7</p>  <p>Dur = 9.0s Dmag = 1.7 Sun: 159° Moon: 97°</p>	<p>2021 jun 19 23h44.1m A21_06020 63 Ausonia UCAC5 289–084575 Diam = 108.0 m = 10.0</p>  <p>Dur = 16.8s Dmag = 0.1 Sun: 157° Moon: 49°</p>	<p>2021 jun 23 3h39.7m A21_06001 2 Pallas TYC 1162–00965–1 Diam = 530.9 m = 11.1 m = 10.1</p>  <p>Dur = 53.9s Dmag = 0.4 Sun: 95° Moon: 107°</p>	<p>2021 jun 23 15h27.7m B21_06006 82155 2001FZ173 UCAC4 325–074236 Diam = 251.2 m = 12.8 m = 21.5</p>  <p>Dur = 18.0s Dmag = 8.8 Sun: 132° Moon: 32°</p>
<p>2021 jun 25 22h 5.8m A21_06163 1867 Deiphobus UCAC4 294–149076 Diam = 131.0 m = 12.1 m = 15.2</p>  <p>Dur = 7.3s Dmag = 3.2 Sun: 171° Moon: 20°</p>	<p>2021 jun 25 23h44.7m A21_06044 125 Liberatrix UCAC4 388–067892 Diam = 47.5 m = 12.4 m = 12.8</p>  <p>Dur = 9.9s Dmag = 1.0 Sun: 141° Moon: 56°</p>	<p>2021 jun 29 17h14.2m A21_06135 895 Helio UCAC5 350–108690 Diam = 147.0 m = 12.5 m = 13.6</p>  <p>Dur = 8.7s Dmag = 1.4 Sun: 168° Moon: 76°</p>	<p>2021 jul 3 0h25.8m A21_07074 419 Aurelia TYC 6254–02656–1 Diam = 133.0 m = 9.4 m = 10.3</p>  <p>Dur = 26.7s Dmag = 1.3 Sun: 166° Moon: 115°</p>
<p>2021 jul 3 21h25.3m A21_07072 372 Palma TYC 7465–00523–1 Diam = 195.0 m = 11.7 m = 12.9</p>  <p>Dur = 13.7s Dmag = 1.5 Sun: 152° Moon: 88°</p>	<p>2021 jul 6 18h16.6m A21_07017 29 Amphitrite UCAC4 476–049186 Diam = 219.0 m = 11.9 m = 11.3</p>  <p>Dur = 6.9s Dmag = 0.5 Sun: 60° Moon: 97°</p>	<p>2021 jul 8 23h24.5m A21_07148 1200 Imperatrix UCAC5 367–088866 Diam = 42.0 m = 12.4 m = 14.5</p>  <p>Dur = 5.1s Dmag = 2.3 Sun: 156° Moon: 166°</p>	<p>2021 jul 9 16h19.4m A21_07115 731 Sorgia TYC 6139–00075–1 Diam = 46.6 m = 10.1 m = 14.9</p>  <p>Dur = 8.8s Dmag = 4.8 Sun: 110° Moon: 115°</p>
<p>2021 jul 9 21h 5.5m A21_07146 1194 Aletta UCAC4 321–197242 Diam = 56.8 m = 12.2 m = 14.3</p>  <p>Dur = 4.5s Dmag = 2.3 Sun: 170° Moon: 173°</p>	<p>2021 jul 9 22h25.9m A21_07159 2357 Phereclos TYC 6259–02661–1 Diam = 103.0 m = 11.2 m = 15.8</p>  <p>Dur = 7.1s Dmag = 4.6 Sun: 163° Moon: 164°</p>	<p>2021 jul 14 2h13.1m A21_07058 236 Honoria UCAC4 411–126026 Diam = 90.5 m = 12.3 m = 11.6</p>  <p>Dur = 10.3s Dmag = 0.5 Sun: 163° Moon: 140°</p>	<p>2021 jul 15 18h21.0m A21_07153 1599 Giomus UCAC4 297–212279 Diam = 44.0 m = 12.2 m = 15.7</p>  <p>Dur = 3.4s Dmag = 3.6 Sun: 166° Moon: 101°</p>

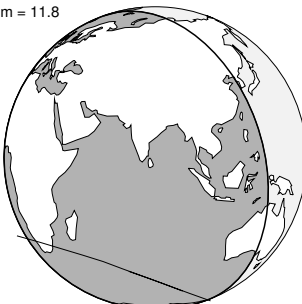
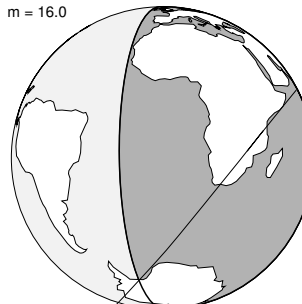
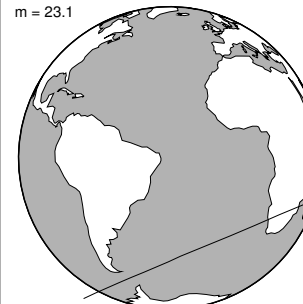
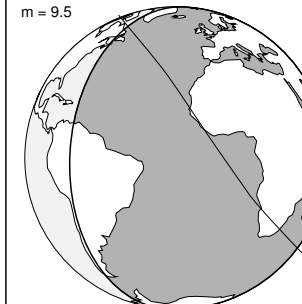
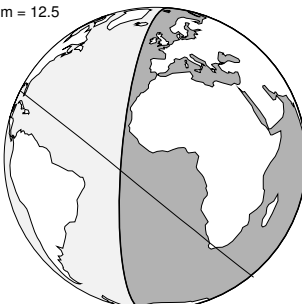
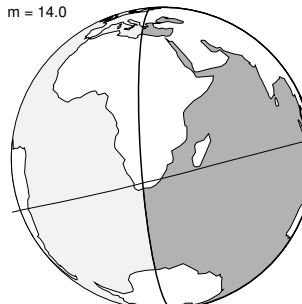
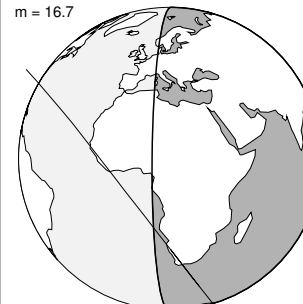
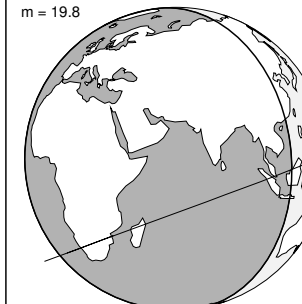
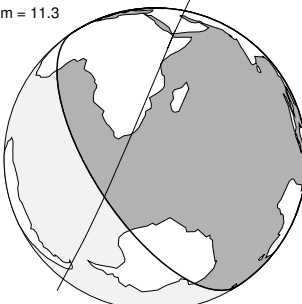
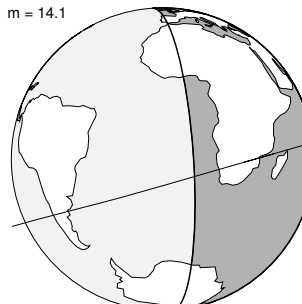
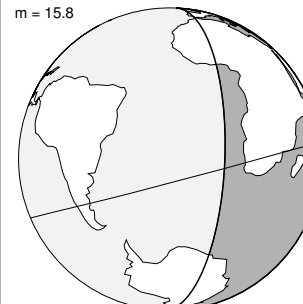
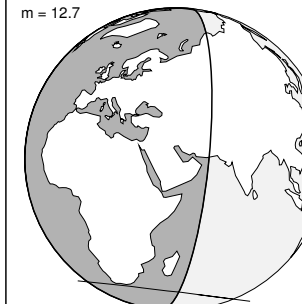
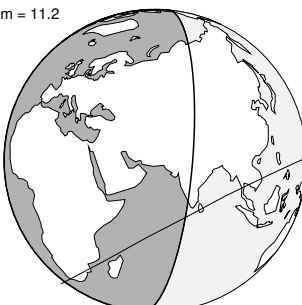
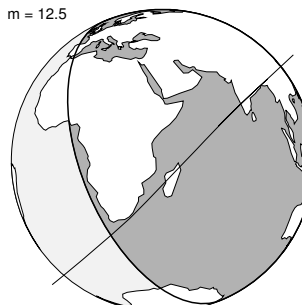
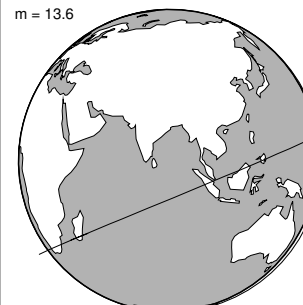
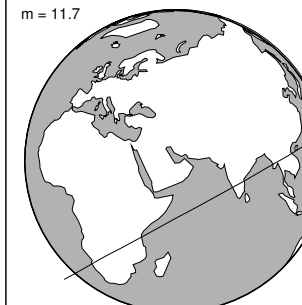
Occultations by major and minor planets – 2021

Region 4

<p>2021 jul 18 1h36.7m A21_07008 6 Hebe TYC 5727-01540-1 Diam = 186.0 m = 10.6 m = 8.4</p>  <p>Dur = 17.2s Dmag = 0.1 Sun: 169° Moon: 80°</p>	<p>2021 jul 23 17h47.6m A21_07103 667 Denise UCAC4 482-063416 Diam = 83.5 m = 11.9 m = 14.9</p>  <p>Dur = 6.3s Dmag = 3.1 Sun: 128° Moon: 50°</p>	<p>2021 jul 31 17h38.1m A21_07037 84 Klio TYC 7423-00214-1 Diam = 83.0 m = 9.6 m = 11.3</p>  <p>Dur = 12.7s Dmag = 1.9 Sun: 155° Moon: 113°</p>	<p>2021 jul 31 21h 8.0m A21_07110 696 Leonora TYC 6856-00409-1 Diam = 79.3 m = 8.3 m = 14.3</p>  <p>Dur = 7.2s Dmag = 6.0 Sun: 144° Moon: 128°</p>
<p>2021 aug 2 18h40.0m A21_08094 607 Jenny TYC 5771-01217-1 Diam = 65.5 m = 11.2 m = 13.5</p>  <p>Dur = 5.3s Dmag = 2.4 Sun: 170° Moon: 108°</p>	<p>2021 aug 4 16h32.9m B21_08004 2004KM19 UCAC4 331-123843 Diam = 95.5 m = 13.0 m = 23.8</p>  <p>Dur = 6.2s Dmag = 10.8 Sun: 135° Moon: 179°</p>	<p>2021 aug 9 21h 7.3m A21_08051 231 Vindobona TYC 6823-00975-1 Diam = 85.1 m = 10.6 m = 13.5</p>  <p>Dur = 17.3s Dmag = 3.0 Sun: 121° Moon: 106°</p>	<p>2021 aug 11 21h41.2m A21_08126 1172 Aeneas UCAC4 378-088249 Diam = 151.0 m = 12.2 m = 15.4</p>  <p>Dur = 54.3s Dmag = 3.3 Sun: 123° Moon: 82°</p>
<p>2021 aug 12 22h51.9m B21_08001 28978 Ixion UCAC4 299-142393 Diam = 794.3 m = 13.5 m = 19.6</p>  <p>Dur = 57.0s Dmag = 6.1 Sun: 128° Moon: 75°</p>	<p>2021 aug 14 19h41.8m A21_08007 6 Hebe UCAC4 374-159115 Diam = 186.0 m = 11.9 m = 8.7</p>  <p>Dur = 21.6s Dmag = 0.1 Sun: 145° Moon: 67°</p>	<p>2021 aug 15 3h42.3m A21_08021 59 Elpis UCAC4 484-002046 Diam = 173.0 m = 10.7 m = 12.1</p>  <p>Dur = 30.4s Dmag = 1.7 Sun: 119° Moon: 157°</p>	<p>2021 aug 15 19h51.8m A21_08137 1470 Carla HIP 78510 Diam = 40.5 m = 8.8 m = 16.6</p>  <p>Dur = 3.7s Dmag = 7.8 Sun: 100° Moon: 9°</p>
<p>2021 aug 17 23h51.2m A21_08099 648 Pippa TYC 1203-01180-1 Diam = 70.5 m = 12.1 m = 15.1</p>  <p>Dur = 13.0s Dmag = 3.1 Sun: 118° Moon: 120°</p>	<p>2021 aug 18 20h10.1m A21_08033 105 Artemis UCAC4 491-075567 Diam = 123.0 m = 12.1 m = 12.1</p>  <p>Dur = 10.3s Dmag = 0.7 Sun: 116° Moon: 35°</p>	<p>2021 aug 22 2h12.5m A21_08060 328 Gudrun UCAC4 568-004590 Diam = 120.0 m = 11.8 m = 13.9</p>  <p>Dur = 11.8s Dmag = 2.3 Sun: 109° Moon: 76°</p>	<p>2021 aug 26 21h19.7m A21_08028 84 Klio TYC 6881-00862-1 Diam = 83.0 m = 9.2 m = 11.9</p>  <p>Dur = 16.5s Dmag = 2.8 Sun: 130° Moon: 101°</p>

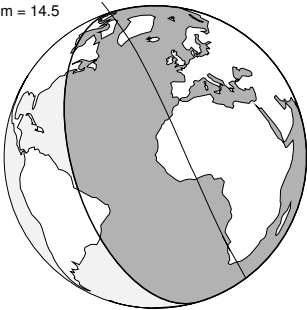

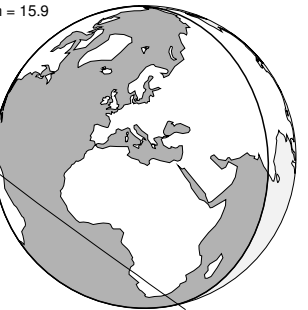

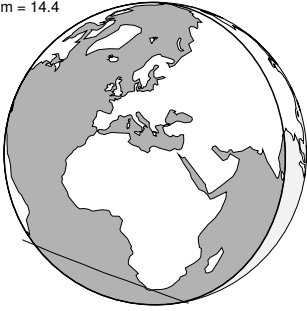
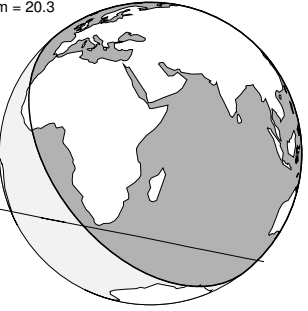

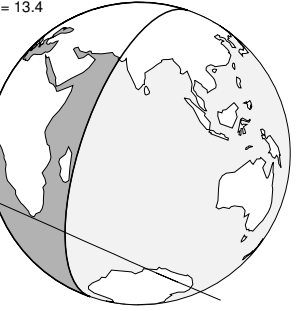
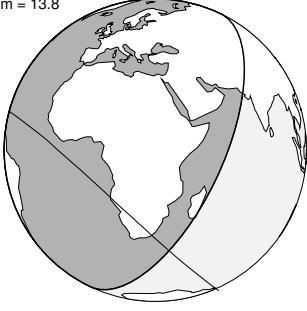
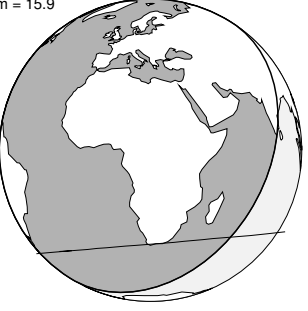
Occultations by major and minor planets – 2021

Region 4

<p>2021 sep 4 21h16.7m A21_09018 50 Virginia TYC 0622–01301–1 Diam = 59.2 m = 9.4 m = 11.8</p>  <p>Dur = 26.3s Dmag = 2.5 Sun: 135° Moon: 108°</p>	<p>2021 sep 5 19h19.3m A21_09147 3025 Higson UCAC4 319–127849 Diam = 52.1 m = 10.4 m = 16.0</p>  <p>Dur = 5.7s Dmag = 5.6 Sun: 106° Moon: 122°</p>	<p>2021 sep 7 2h 6.7m A21_09152 385199 1999OE4 TYC 5248–01149–1 Diam = 182.0 m = 8.1 m = 23.1</p>  <p>Dur = 7.3s Dmag = 15.0 Sun: 178° Moon: 176°</p>	<p>2021 sep 8 22h24.3m A21_09008 12 Victoria UCAC4 430–109004 Diam = 117.0 m = 12.2 m = 9.5</p>  <p>Dur = 32.1s Dmag = 0.1 Sun: 134° Moon: 110°</p>
<p>2021 sep 11 19h15.9m A21_09031 105 Artemis UCAC4 462–074757 Diam = 123.0 m = 12.3 m = 12.5</p>  <p>Dur = 7.0s Dmag = 0.9 Sun: 102° Moon: 47°</p>	<p>2021 sep 23 16h24.4m A21_09014 38 Leda TYC 6858–01315–1 Diam = 120.0 m = 10.8 m = 14.0</p>  <p>Dur = 11.2s Dmag = 3.3 Sun: 98° Moon: 113°</p>	<p>2021 sep 24 17h14.9m A21_09140 2363 Cebriones UCAC5 502–078440 Diam = 91.7 m = 12.4 m = 16.7</p>  <p>Dur = 5.6s Dmag = 4.3 Sun: 96° Moon: 119°</p>	<p>2021 oct 1 22h20.6m B21_10001 47171 Lempo UCAC4 506–004857 Diam = 457.1 m = 14.9 m = 19.8</p>  <p>Dur = 26.4s Dmag = 4.9 Sun: 139° Moon: 83°</p>
<p>2021 oct 2 18h 2.4m A21_10076 344 Desiderata TYC 7978–00077–1 Diam = 138.0 m = 11.3 m = 11.3</p>  <p>Dur = 10.2s Dmag = 0.8 Sun: 114° Moon: 154°</p>	<p>2021 oct 15 17h44.4m A21_10027 78 Diana UCAC4 311–236375 Diam = 116.0 m = 11.6 m = 14.1</p>  <p>Dur = 5.4s Dmag = 2.6 Sun: 78° Moon: 44°</p>	<p>2021 oct 19 17h40.5m A21_10077 361 Bononia UCAC5 274–155434 Diam = 149.0 m = 12.5 m = 15.8</p>  <p>Dur = 6.2s Dmag = 3.4 Sun: 68° Moon: 101°</p>	<p>2021 oct 20 1h52.8m A21_10099 554 Peraga TYC 1899–01003–1 Diam = 98.5 m = 11.3 m = 12.7</p>  <p>Dur = 7.9s Dmag = 1.7 Sun: 102° Moon: 84°</p>
<p>2021 oct 21 0h49.9m A21_10010 22 Kalliope TYC 1903–01551–1 Diam = 187.0 m = 11.8 m = 11.2</p>  <p>Dur = 16.7s Dmag = 0.5 Sun: 104° Moon: 71°</p>	<p>2021 oct 25 17h19.9m A21_10047 175 Andromache TYC 5814–00399–1 Diam = 107.0 m = 11.9 m = 12.5</p>  <p>Dur = 22.5s Dmag = 1.1 Sun: 122° Moon: 113°</p>	<p>2021 oct 28 18h40.4m A21_10062 260 Huberta TYC 0641–00139–1 Diam = 101.0 m = 10.7 m = 13.6</p>  <p>Dur = 7.9s Dmag = 3.0 Sun: 168° Moon: 81°</p>	<p>2021 nov 14 20h38.8m A21_11088 690 Wratislavia TYC 1803–00394–1 Diam = 140.0 m = 12.0 m = 11.7</p>  <p>Dur = 11.8s Dmag = 0.6 Sun: 171° Moon: 58°</p>

Occultations by major and minor planets – 2021

Region 4

<p>2021 nov 29 21h 0.6m A21_11096 764 Gedania UCAC4 520-000799 Diam = 60.5 m = 12.2 m = 14.5</p>  <p>Dur = 11.0s Dmag = 2.4 Sun: 123° Moon: 165°</p>	<p>2021 dec 5 0h42.2m A21_12023 91 Aegina UCAC4 523-051986 Diam = 114.0 m = 12.0 m = 13.2</p>  <p>Dur = 11.4s Dmag = 1.5 Sun: 104° Moon: 115°</p>	<p>2021 dec 6 1h13.1m A21_12101 564 Dudu UCAC4 618-041770 Diam = 50.7 m = 12.4 m = 15.9</p>  <p>Dur = 3.6s Dmag = 3.5 Sun: 144° Moon: 168°</p>	<p>2021 dec 9 19h 5.3m A21_12039 147 Protogeneia UCAC5 559-009435 Diam = 137.0 m = 12.4 m = 12.7</p>  <p>Dur = 10.5s Dmag = 0.9 Sun: 171° Moon: 97°</p>
<p>2021 dec 13 0h38.6m A21_12067 331 Etheridgea TYC 2453-00503-1 Diam = 78.5 m = 10.8 m = 14.4</p>  <p>Dur = 7.6s Dmag = 3.6 Sun: 149° Moon: 97°</p>	<p>2021 dec 14 18h16.3m B21_12003 523643 2010TY53 PPMX 9013678 Diam = 302.0 m = 12.8 m = 20.3</p>  <p>Dur = 17.2s Dmag = 7.5 Sun: 130° Moon: 20°</p>	<p>2021 dec 22 2h37.9m A21_12040 153 Hilda TYC 5543-00034-1 Diam = 175.0 m = 10.9 m = 14.2</p>  <p>Dur = 6.6s Dmag = 3.3 Sun: 68° Moon: 80°</p>	<p>2021 dec 23 2h 0.1m A21_12041 156 Xanthippe TYC 6113-01436-1 Diam = 126.0 m = 10.6 m = 13.4</p>  <p>Dur = 3.9s Dmag = 2.9 Sun: 67° Moon: 71°</p>
<p>2021 dec 26 2h 8.0m A21_12078 417 Suevia TYC 0246-00616-1 Diam = 43.3 m = 10.9 m = 13.8</p>  <p>Dur = 7.9s Dmag = 3.0 Sun: 116° Moon: 19°</p>	<p>2021 dec 27 1h 4.2m A21_12186 2976 Lautaro TYC 0220-01237-1 Diam = 42.1 m = 7.2 m = 15.9</p>  <p>Dur = 4.8s Dmag = 8.6 Sun: 140° Moon: 54°</p>		