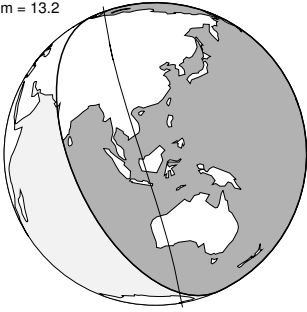
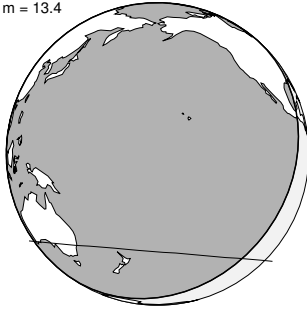
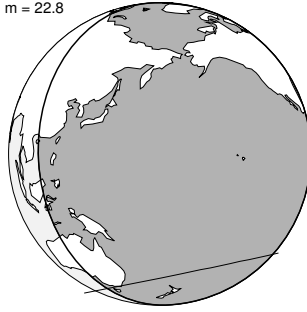
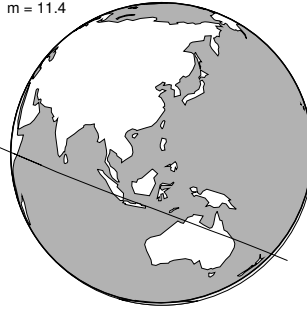
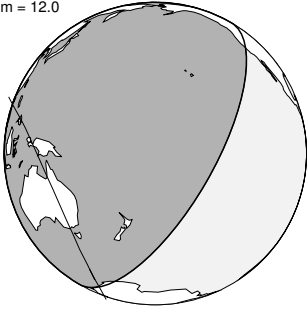
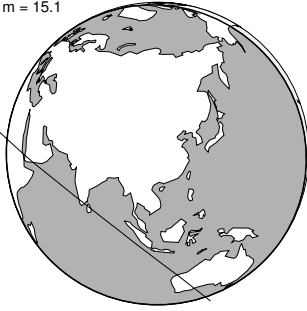
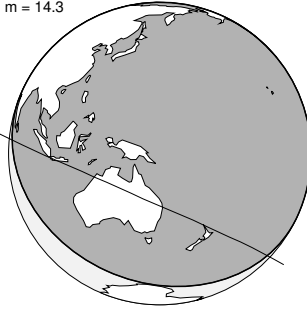
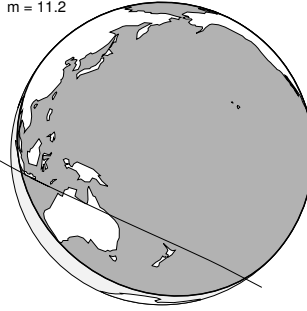
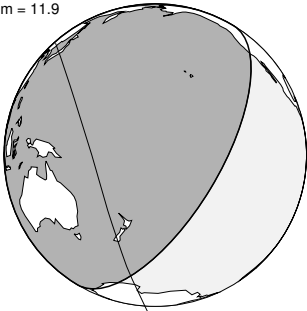
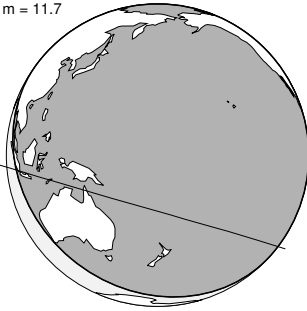
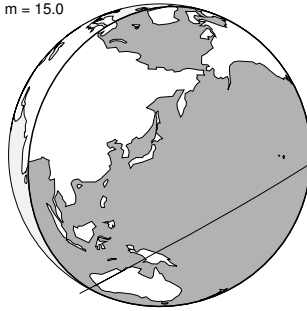
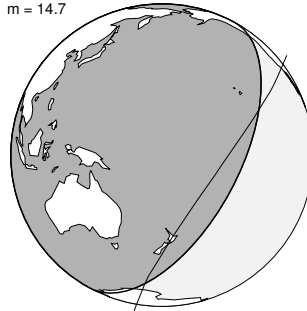
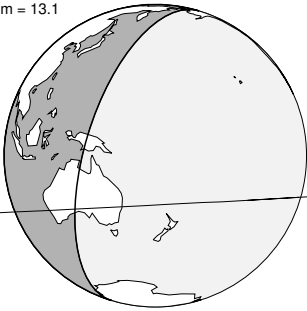
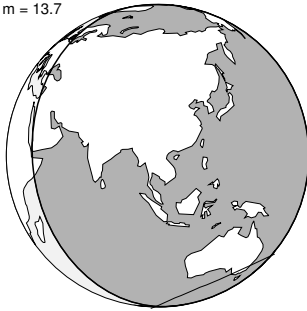
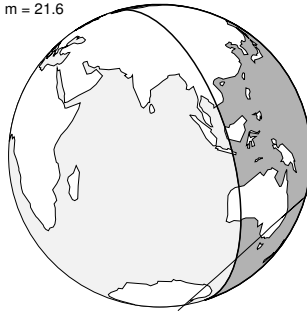
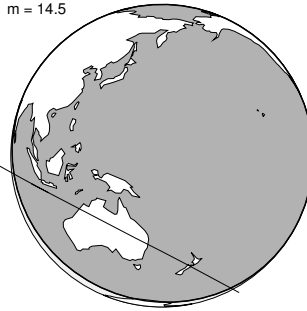


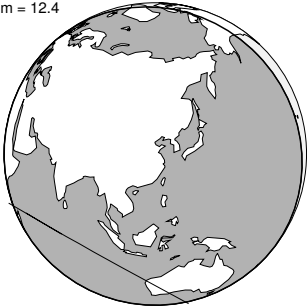
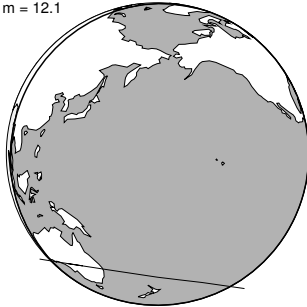
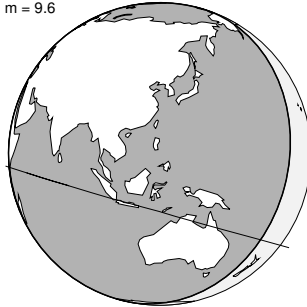
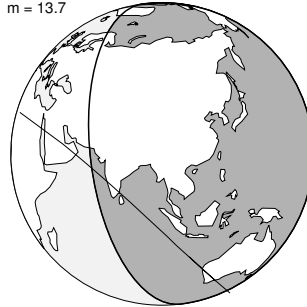
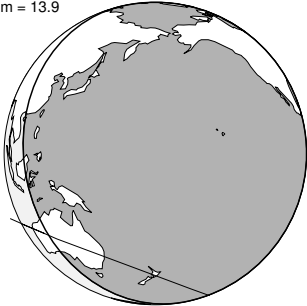
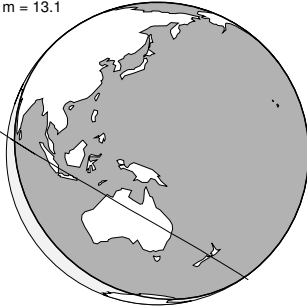
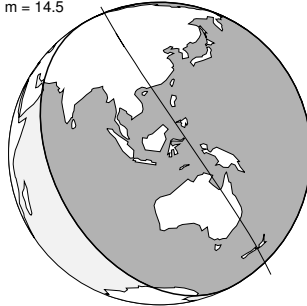
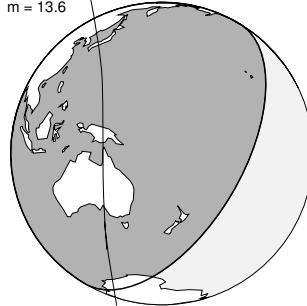
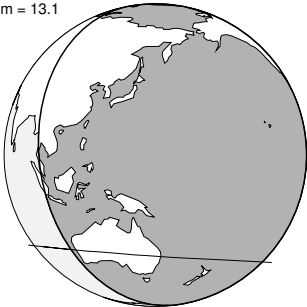
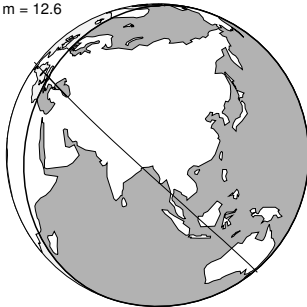
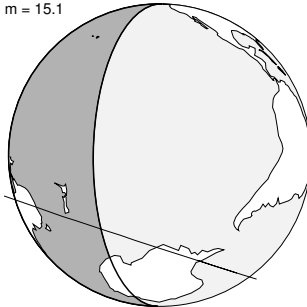
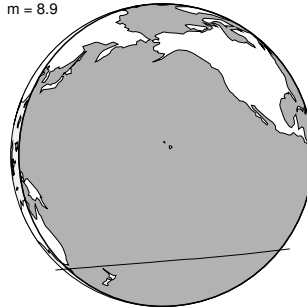
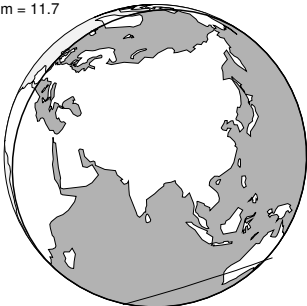
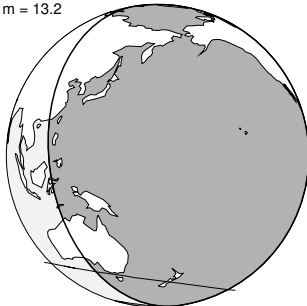
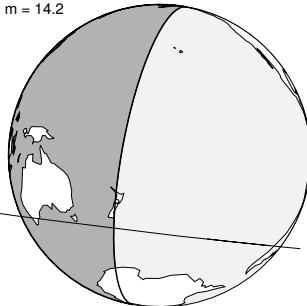
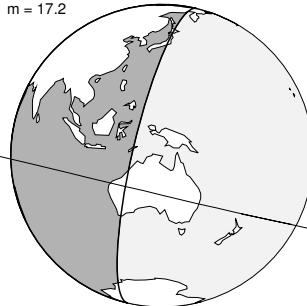
Occultations by major and minor planets – 2021

Region 8

<p>2021 jan 4 12h43.0m A21_01088 402 Chloë UCAC4 468-004667 Diam = 57.6 m = 11.8 m = 13.2</p>  <p>Dur = 9.0s Dmag = 1.7 Sun: 123° Moon: 121°</p>	<p>2021 jan 5 12h51.6m A21_01043 204 Kallisto UCAC4 482-044651 Diam = 50.8 m = 12.3 m = 13.4</p>  <p>Dur = 4.5s Dmag = 1.5 Sun: 152° Moon: 56°</p>	<p>2021 jan 6 10h11.6m B21_01001 19299 1996SZ4 UCAC5 580-011297 Diam = 109.6 m = 15.0 m = 22.8</p>  <p>Dur = 6.0s Dmag = 7.8 Sun: 143° Moon: 126°</p>	<p>2021 jan 6 16h29.5m A21_01059 287 Nephthys TYC 0773-00464-1 Diam = 70.1 m = 12.1 m = 11.4</p>  <p>Dur = 6.1s Dmag = 0.5 Sun: 168° Moon: 87°</p>
<p>2021 jan 10 15h26.2m A21_01094 409 Aspasia HIP 55745 Diam = 168.0 m = 8.6 m = 12.0</p>  <p>Dur = 21.4s Dmag = 3.4 Sun: 112° Moon: 80°</p>	<p>2021 jan 10 17h40.2m A21_01179 2655 Guangxi TYC 2473-00583-1 Diam = 40.7 m = 10.0 m = 15.1</p>  <p>Dur = 3.2s Dmag = 5.1 Sun: 165° Moon: 138°</p>	<p>2021 jan 11 13h 5.2m A21_01146 892 Seeligeria TYC 4811-02890-1 Diam = 78.5 m = 11.3 m = 14.3</p>  <p>Dur = 6.4s Dmag = 3.1 Sun: 148° Moon: 147°</p>	<p>2021 jan 12 11h28.1m A21_01066 313 Chaldaea TYC 0137-01838-1 Diam = 101.0 m = 10.9 m = 11.2</p>  <p>Dur = 13.6s Dmag = 0.9 Sun: 153° Moon: 156°</p>
<p>2021 jan 13 15h14.2m A21_01095 409 Aspasia TYC 5512-00020-1 Diam = 168.0 m = 11.6 m = 11.9</p>  <p>Dur = 24.4s Dmag = 1.0 Sun: 115° Moon: 120°</p>	<p>2021 jan 14 11h28.4m A21_01013 41 Daphne TYC 0146-00231-1 Diam = 182.0 m = 9.7 m = 11.7</p>  <p>Dur = 13.0s Dmag = 2.2 Sun: 153° Moon: 139°</p>	<p>2021 jan 14 12h25.2m A21_01167 1118 Hanskya TYC 2416-00388-1 Diam = 80.7 m = 11.5 m = 15.0</p>  <p>Dur = 6.6s Dmag = 3.5 Sun: 148° Moon: 134°</p>	<p>2021 jan 15 16h20.9m A21_01110 507 Laodica TYC 4929-00672-1 Diam = 48.5 m = 11.5 m = 14.7</p>  <p>Dur = 9.6s Dmag = 3.2 Sun: 120° Moon: 149°</p>
<p>2021 jan 18 20h41.7m A21_01020 105 Artemis UCAC5 390-062773 Diam = 123.0 m = 12.5 m = 13.1</p>  <p>Dur = 3.4s Dmag = 1.1 Sun: 62° Moon: 130°</p>	<p>2021 jan 19 14h56.5m A21_01137 792 Metcalfia UCAC4 550-017945 Diam = 63.5 m = 12.4 m = 13.7</p>  <p>Dur = 10.3s Dmag = 1.6 Sun: 145° Moon: 69°</p>	<p>2021 jan 20 10h51.7m B21_01004 523639 2010RE64 UCAC4 398-000526 Diam = 549.5 m = 14.5 m = 21.6</p>  <p>Dur = 28.1s Dmag = 7.2 Sun: 62° Moon: 25°</p>	<p>2021 jan 21 13h 2.8m A21_01173 1330 Spiridonía TYC 0187-00157-1 Diam = 58.0 m = 9.8 m = 14.5</p>  <p>Dur = 4.3s Dmag = 4.8 Sun: 163° Moon: 78°</p>

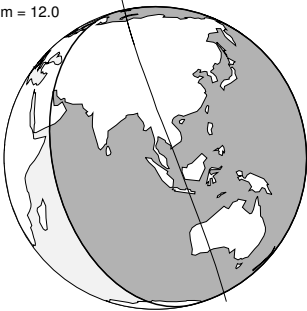
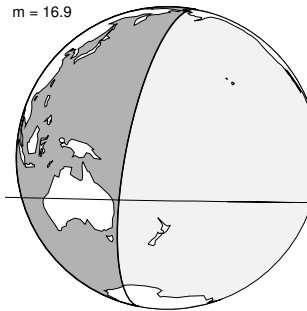
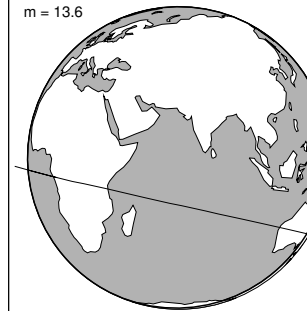
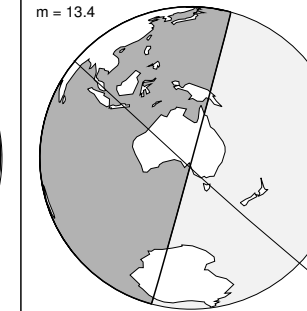
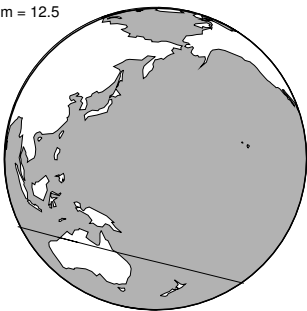
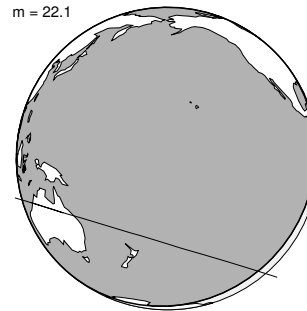
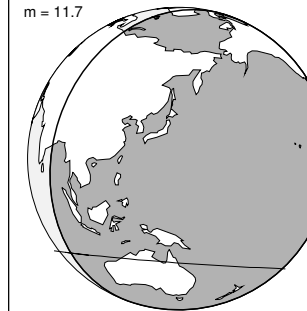
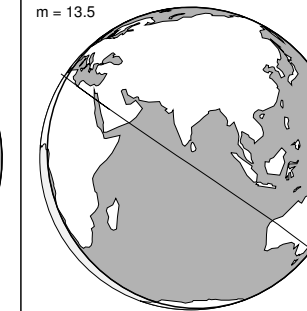
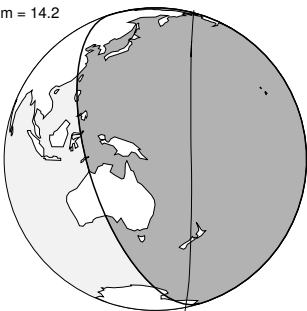
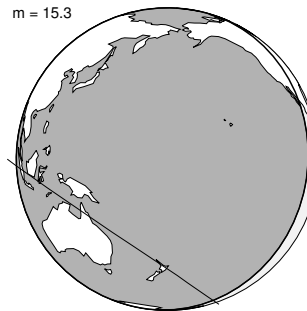
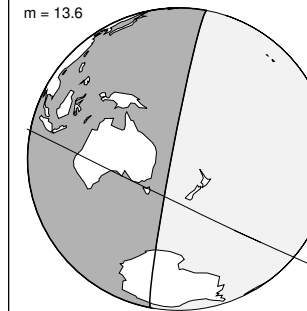
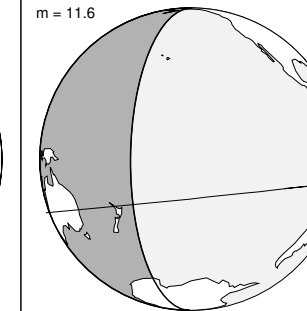
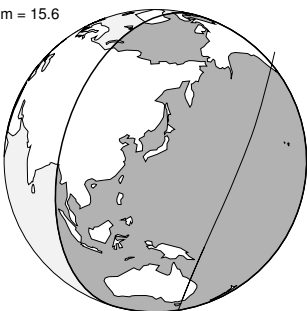
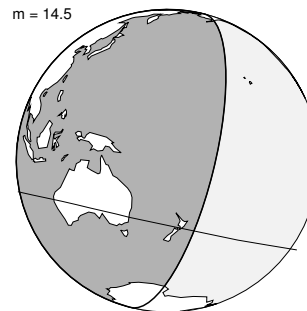
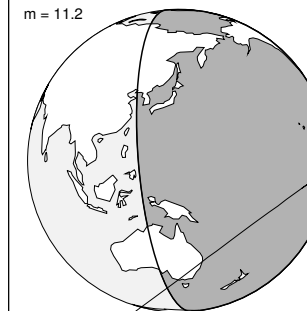
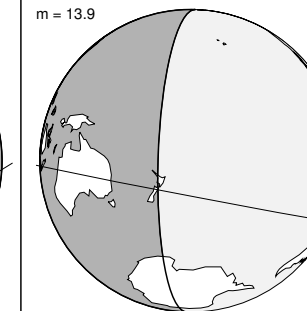
Occultations by major and minor planets – 2021

Region 8

<p>2021 jan 21 17h20.0m A21_01098 416 Vaticana TYC 2496-00121-1 Diam = 89.5 m = 9.0 m = 12.4</p>  <p>Dur = 6.3s Dmag = 3.4 Sun: 160° Moon: 91°</p>	<p>2021 jan 25 11h27.1m A21_01019 104 Klymene TYC 1915-00799-1 Diam = 127.0 m = 11.8 m = 12.1</p>  <p>Dur = 12.4s Dmag = 0.9 Sun: 165° Moon: 26°</p>	<p>2021 jan 27 18h11.3m A21_01009 29 Amphitrite TYC 0849-00653-1 Diam = 219.0 m = 11.1 m = 9.6</p>  <p>Dur = 28.1s Dmag = 0.3 Sun: 148° Moon: 44°</p>	<p>2021 jan 28 13h19.7m A21_01105 500 Selinur TYC 1823-00339-1 Diam = 45.1 m = 11.9 m = 13.7</p>  <p>Dur = 7.2s Dmag = 2.0 Sun: 118° Moon: 58°</p>
<p>2021 jan 29 10h26.5m A21_01062 289 Nenetta TYC 0758-00495-2 Diam = 41.5 m = 10.9 m = 13.9</p>  <p>Dur = 4.5s Dmag = 3.1 Sun: 150° Moon: 39°</p>	<p>2021 jan 31 13h 6.3m A21_01121 611 Valeria UCAC5 460-034612 Diam = 59.0 m = 12.5 m = 13.1</p>  <p>Dur = 5.5s Dmag = 1.1 Sun: 155° Moon: 56°</p>	<p>2021 feb 2 13h51.2m A21_02144 892 Seeligeria UCAC5 429-014738 Diam = 78.5 m = 12.4 m = 14.5</p>  <p>Dur = 7.1s Dmag = 2.3 Sun: 135° Moon: 99°</p>	<p>2021 feb 2 16h29.0m A21_02129 583 Klotilde UCAC5 379-060478 Diam = 86.0 m = 12.5 m = 13.6</p>  <p>Dur = 21.9s Dmag = 1.5 Sun: 122° Moon: 16°</p>
<p>2021 feb 3 11h24.3m A21_02112 403 Cyane TYC 0743-02316-1 Diam = 51.3 m = 11.9 m = 13.1</p>  <p>Dur = 9.8s Dmag = 1.5 Sun: 140° Moon: 113°</p>	<p>2021 feb 4 16h 3.5m A21_02134 679 Pax PPMX 5076641 Diam = 65.5 m = 12.3 m = 12.6</p>  <p>Dur = 5.8s Dmag = 0.9 Sun: 151° Moon: 117°</p>	<p>2021 feb 4 16h15.8m A21_02121 506 Marion UCAC4 264-096638 Diam = 109.0 m = 12.5 m = 15.1</p>  <p>Dur = 3.8s Dmag = 2.8 Sun: 63° Moon: 33°</p>	<p>2021 feb 5 9h31.6m A21_02011 15 Eunomia UCAC4 534-044436 Diam = 272.0 m = 11.5 m = 8.9</p>  <p>Dur = 25.0s Dmag = 0.1 Sun: 161° Moon: 117°</p>
<p>2021 feb 6 17h20.8m A21_02047 109 Felicitas TYC 2472-01710-1 Diam = 91.0 m = 10.8 m = 11.7</p>  <p>Dur = 12.8s Dmag = 1.3 Sun: 155° Moon: 136°</p>	<p>2021 feb 7 10h 7.0m A21_02111 403 Cyane UCAC4 519-023823 Diam = 51.3 m = 11.9 m = 13.2</p>  <p>Dur = 13.2s Dmag = 1.6 Sun: 135° Moon: 164°</p>	<p>2021 feb 7 17h48.1m A21_02040 95 Arethusa TYC 6780-00901-1 Diam = 145.0 m = 10.1 m = 14.2</p>  <p>Dur = 6.7s Dmag = 4.2 Sun: 75° Moon: 25°</p>	<p>2021 feb 7 21h42.4m A21_02174 5648 1990VU1 UCAC4 390-066522 Diam = 60.3 m = 12.1 m = 17.2</p>  <p>Dur = 3.3s Dmag = 5.0 Sun: 78° Moon: 31°</p>

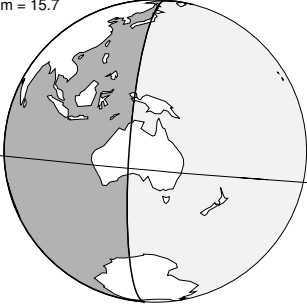
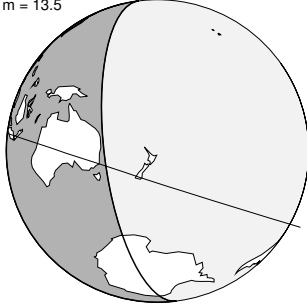
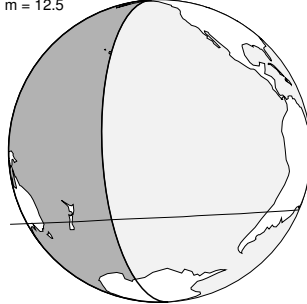
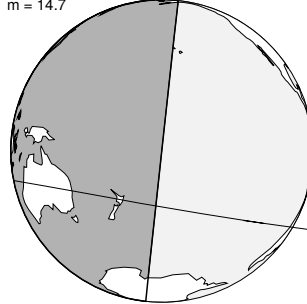
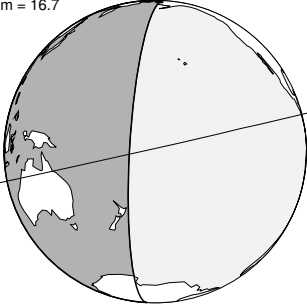
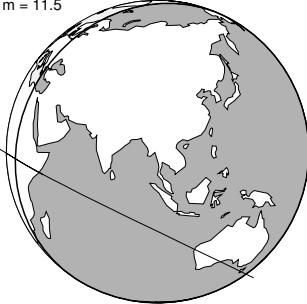
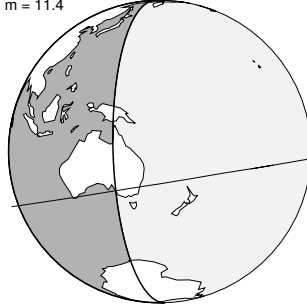
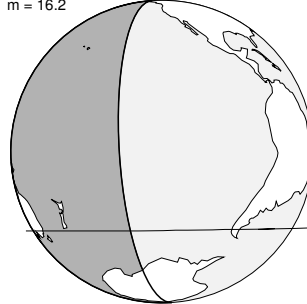
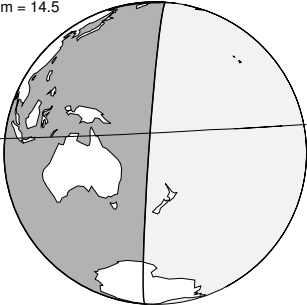
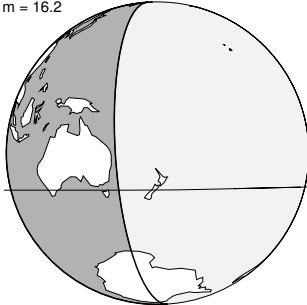
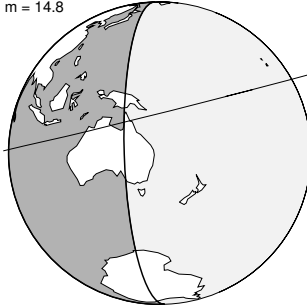
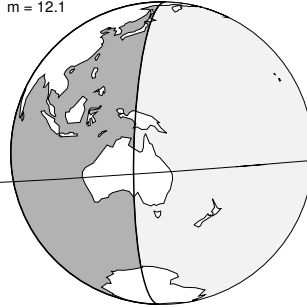
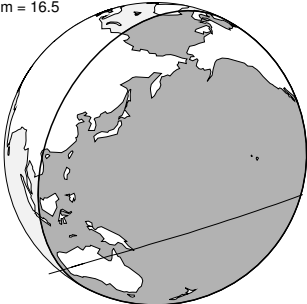
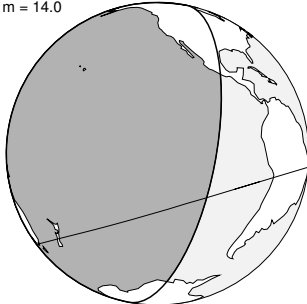
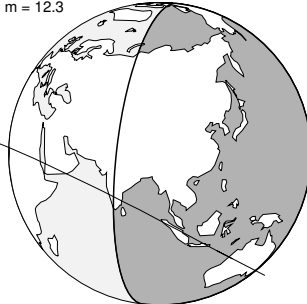
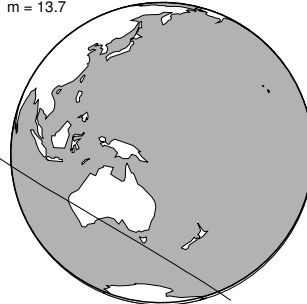
Occultations by major and minor planets – 2021

Region 8

<p>2021 feb 10 14h28.4m A21_02054 130 Elektra PPMX 8086602 Diam = 189.0 m = 12.3</p>  <p>Dur = 15.8s Dmag = 0.6 Sun: 132° Moon: 143°</p>	<p>2021 feb 12 19h22.1m A21_02173 2893 Peiroos TYC 5636-00003-1 Diam = 92.8 m = 10.8</p>  <p>Dur = 4.1s Dmag = 6.0 Sun: 73° Moon: 87°</p>	<p>2021 feb 13 20h17.1m A21_02118 465 Alekto UCAC4 482-048621 Diam = 76.6 m = 11.9</p>  <p>Dur = 6.8s Dmag = 1.9 Sun: 169° Moon: 163°</p>	<p>2021 feb 14 20h25.8m A21_02141 804 Hispania TYC 7313-01186-1 Diam = 140.6 m = 11.3</p>  <p>Dur = 7.6s Dmag = 2.2 Sun: 90° Moon: 124°</p>
<p>2021 feb 15 12h58.5m A21_02026 47 Aglaja UCAC4 547-047459 Diam = 137.0 m = 12.5</p>  <p>Dur = 9.3s Dmag = 0.8 Sun: 171° Moon: 130°</p>	<p>2021 feb 16 12h12.1m B21_02001 119878 2002CY224 UCAC4 449-050579 Diam = 251.2 m = 14.7</p>  <p>Dur = 10.5s Dmag = 7.5 Sun: 162° Moon: 140°</p>	<p>2021 feb 16 12h19.4m A21_02015 26 Proserpina TYC 1933-01529-1 Diam = 98.7 m = 11.7</p>  <p>Dur = 11.8s Dmag = 2.4 Sun: 146° Moon: 93°</p>	<p>2021 feb 19 17h40.3m A21_02120 482 Petrina TYC 0217-00295-1 Diam = 51.6 m = 10.6</p>  <p>Dur = 3.7s Dmag = 3.0 Sun: 160° Moon: 76°</p>
<p>2021 feb 20 9h57.4m A21_02152 1036 Ganymed TYC 5366-00524-1 Diam = 41.0 m = 14.2</p>  <p>Dur = 3.7s Dmag = 2.2 Sun: 116° Moon: 41°</p>	<p>2021 feb 20 13h49.3m A21_02171 2634 James Bradley TYC 0278-00256-1 Diam = 46.5 m = 11.3</p>  <p>Dur = 3.9s Dmag = 4.0 Sun: 158° Moon: 103°</p>	<p>2021 feb 20 19h 9.2m A21_02064 172 Baucis TYC 7330-02592-1 Diam = 64.5 m = 10.8</p>  <p>Dur = 3.2s Dmag = 3.0 Sun: 87° Moon: 167°</p>	<p>2021 feb 24 17h25.1m A21_02005 12 Victoria Gaia 068-0426101 Diam = 117.0 m = 11.3</p>  <p>Dur = 3.5s Dmag = 0.9 Sun: 66° Moon: 147°</p>
<p>2021 feb 26 11h54.1m A21_02080 280 Philia TYC 2451-00977-1 Diam = 48.0 m = 15.6</p>  <p>Dur = 12.1s Dmag = 5.9 Sun: 128° Moon: 39°</p>	<p>2021 feb 26 17h32.8m A21_02117 447 Valentine UCAC4 379-069245 Diam = 82.0 m = 12.5</p>  <p>Dur = 12.2s Dmag = 2.2 Sun: 108° Moon: 80°</p>	<p>2021 feb 27 9h36.3m A21_02022 39 Laetitia TYC 0726-01009-1 Diam = 159.0 m = 11.0</p>  <p>Dur = 15.1s Dmag = 0.8 Sun: 105° Moon: 76°</p>	<p>2021 feb 27 18h 8.1m A21_02070 227 Philosophia UCAC5 289-116599 Diam = 90.1 m = 12.4</p>  <p>Dur = 3.5s Dmag = 1.7 Sun: 77° Moon: 98°</p>

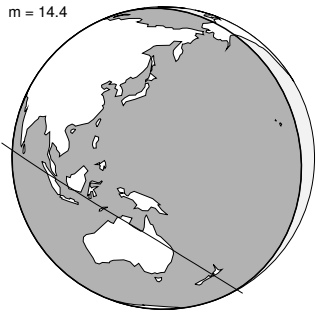
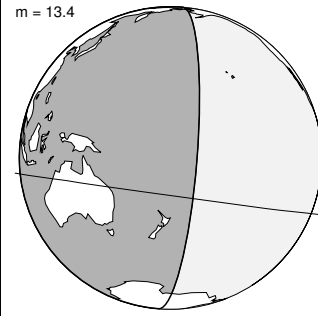
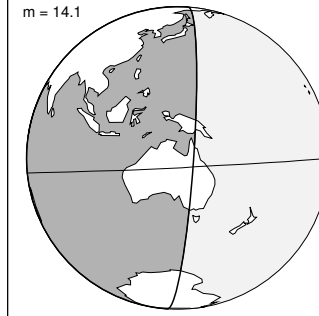
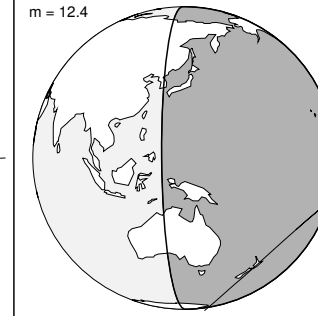
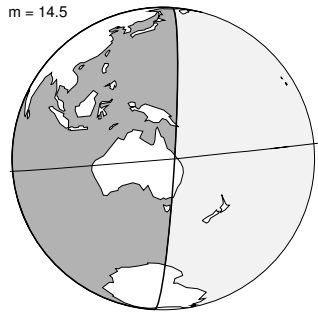
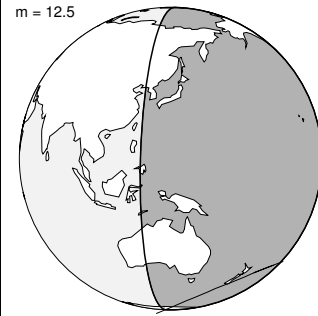
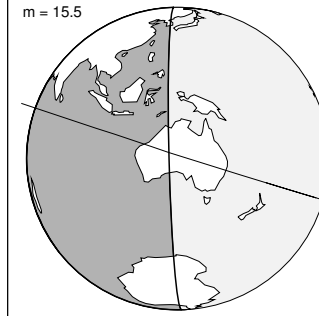
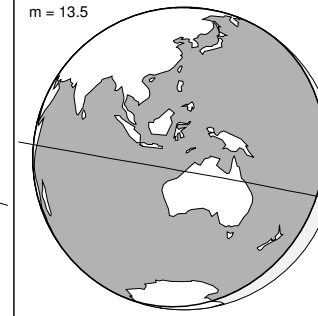
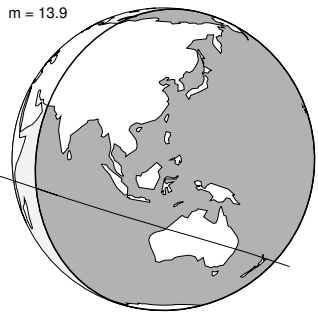
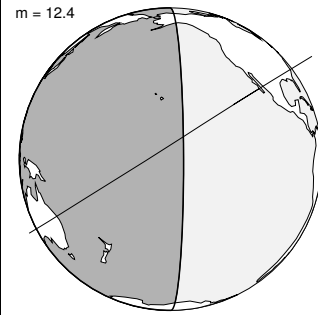
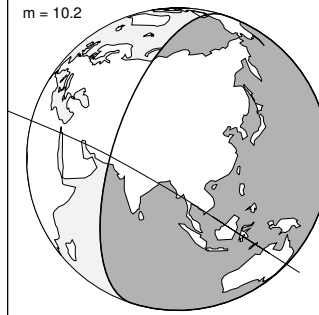
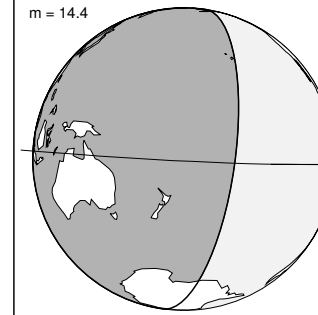
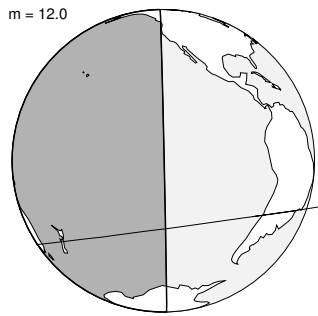
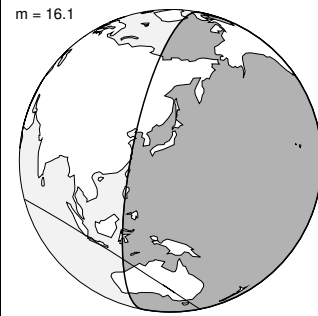
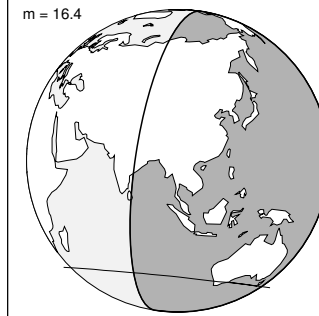
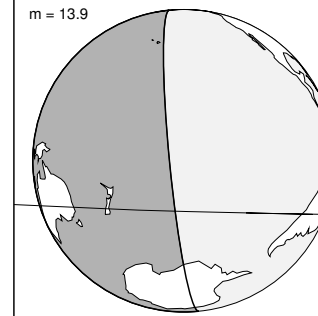
Occultations by major and minor planets – 2021

Region 8

<p>2021 feb 28 21h18.2m A21_02085 300 Geraldina UCAC5 334-093139 Diam = 79.1 m = 12.3 m = 15.7</p>  <p>Dur = 3.7s Dmag = 3.4 Sun: 80° Moon: 79°</p>	<p>2021 mar 3 19h39.6m A21_03061 154 Bertha TYC 7405-03213-1 Diam = 192.0 m = 9.5 m = 13.5</p>  <p>Dur = 6.7s Dmag = 4.0 Sun: 69° Moon: 53°</p>	<p>2021 mar 5 16h39.5m A21_03022 27 Euterpe UCAC4 336-160426 Diam = 124.0 m = 12.2 m = 12.5</p>  <p>Dur = 4.6s Dmag = 0.9 Sun: 67° Moon: 27°</p>	<p>2021 mar 5 16h54.6m A21_03134 503 Evelyn UCAC5 344-081923 Diam = 79.5 m = 12.4 m = 14.7</p>  <p>Dur = 5.3s Dmag = 2.4 Sun: 89° Moon: 5°</p>
<p>2021 mar 5 17h55.9m A21_03175 1309 Hyperborea UCAC4 369-097985 Diam = 59.8 m = 12.0 m = 16.7</p>  <p>Dur = 3.0s Dmag = 4.7 Sun: 80° Moon: 15°</p>	<p>2021 mar 7 16h18.3m A21_03053 113 Amalthea UCAC5 539-046011 Diam = 47.6 m = 12.5 m = 11.5</p>  <p>Dur = 6.0s Dmag = 0.4 Sun: 156° Moon: 133°</p>	<p>2021 mar 7 20h40.0m A21_03015 12 Victoria UCAC4 342-133278 Diam = 117.0 m = 12.4 m = 11.4</p>  <p>Dur = 3.8s Dmag = 0.4 Sun: 72° Moon: 6°</p>	<p>2021 mar 8 15h32.6m A21_03157 884 Priamus UCAC4 306-227241 Diam = 72.1 m = 12.2 m = 16.2</p>  <p>Dur = 3.1s Dmag = 4.1 Sun: 73° Moon: 16°</p>
<p>2021 mar 8 19h 1.6m A21_03122 420 Bertholda UCAC4 336-096459 Diam = 146.0 m = 12.1 m = 14.5</p>  <p>Dur = 8.7s Dmag = 2.5 Sun: 87° Moon: 32°</p>	<p>2021 mar 8 19h39.7m A21_03158 884 Priamus UCAC4 306-227473 Diam = 72.1 m = 11.8 m = 16.2</p>  <p>Dur = 3.1s Dmag = 4.4 Sun: 73° Moon: 19°</p>	<p>2021 mar 8 20h39.3m A21_03160 895 Helio TYC 6850-01335-1 Diam = 147.0 m = 8.5 m = 14.8</p>  <p>Dur = 7.2s Dmag = 6.3 Sun: 76° Moon: 22°</p>	<p>2021 mar 8 20h54.6m A21_03005 5 Astraea PPMX 11635165 Diam = 125.0 m = 12.5 m = 12.1</p>  <p>Dur = 5.8s Dmag = 0.6 Sun: 79° Moon: 26°</p>
<p>2021 mar 11 10h57.6m A21_03191 3248 Farinella TYC 1949-01255-1 Diam = 50.1 m = 9.9 m = 16.5</p>  <p>Dur = 5.4s Dmag = 6.6 Sun: 134° Moon: 158°</p>	<p>2021 mar 12 12h48.9m A21_03138 510 Mabella UCAC4 366-070914 Diam = 59.3 m = 11.1 m = 14.0</p>  <p>Dur = 6.4s Dmag = 3.0 Sun: 112° Moon: 102°</p>	<p>2021 mar 12 13h 0.6m A21_03109 356 Liguria TYC 2435-00402-1 Diam = 135.0 m = 10.3 m = 12.3</p>  <p>Dur = 10.7s Dmag = 2.2 Sun: 106° Moon: 117°</p>	<p>2021 mar 13 13h54.5m A21_03155 798 Ruth UCAC4 414-053401 Diam = 46.2 m = 12.2 m = 13.7</p>  <p>Dur = 3.6s Dmag = 1.7 Sun: 169° Moon: 166°</p>

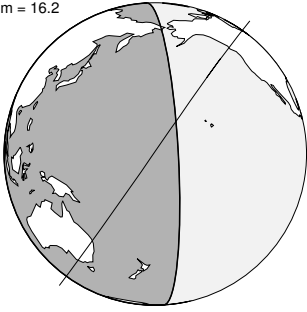
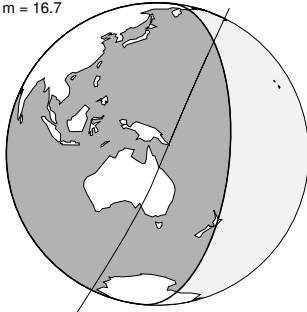
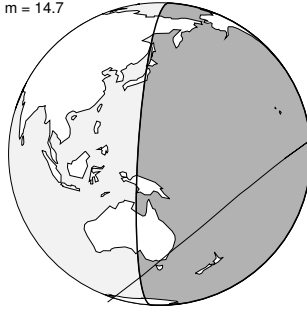
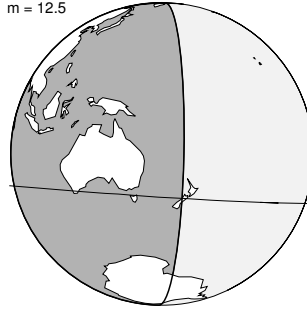
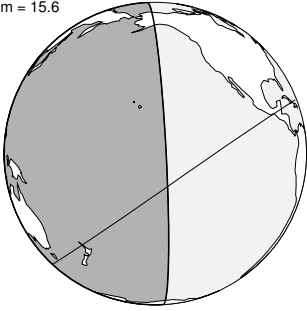
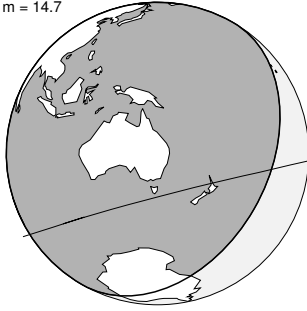
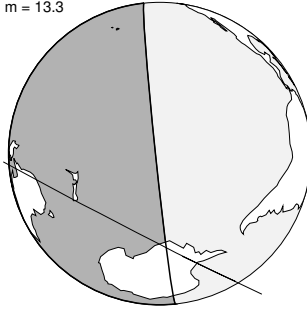
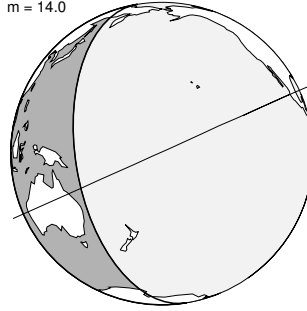
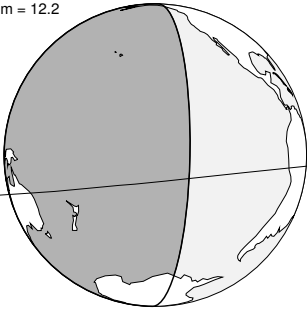
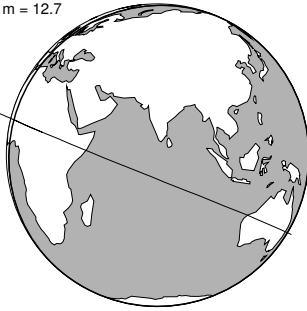
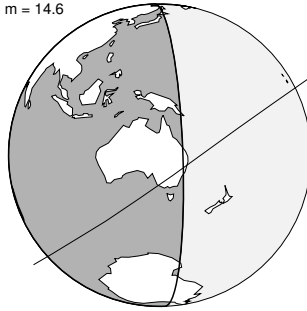
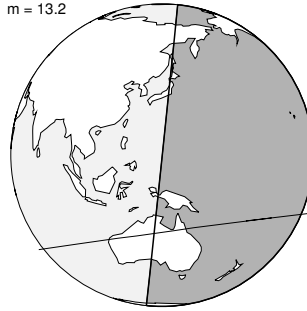
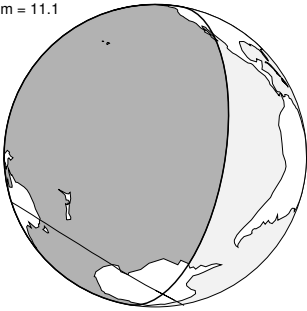
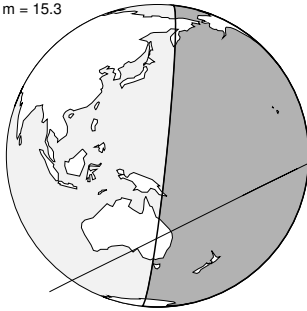
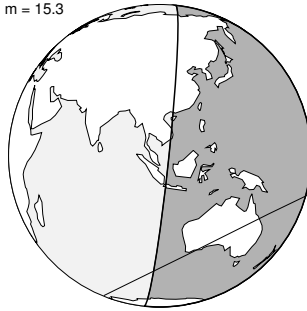
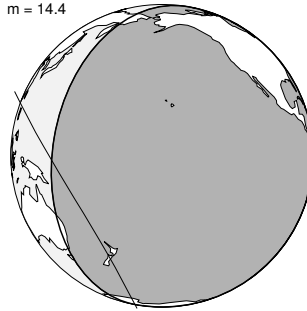
Occultations by major and minor planets – 2021

Region 8

<p>2021 mar 14 15h49.3m A21_03149 691 Lehigh TYC 0887-00632-1 Diam = 92.6 m = 10.7 m = 14.4</p>  <p>Dur = 7.0s Dmag = 3.7 Sun: 154° Moon: 166°</p>	<p>2021 mar 15 17h30.9m A21_03108 347 Pariana HIP 83045 Diam = 96.4 m = 6.5 m = 13.4</p>  <p>Dur = 8.0s Dmag = 6.9 Sun: 100° Moon: 126°</p>	<p>2021 mar 15 20h31.8m A21_03100 334 Chicago UCAC5 358-086034 Diam = 170.0 m = 12.4 m = 14.1</p>  <p>Dur = 13.8s Dmag = 1.9 Sun: 96° Moon: 124°</p>	<p>2021 mar 16 9h31.8m A21_03028 41 Daphne UCAC4 488-021007 Diam = 182.0 m = 12.3 m = 12.4</p>  <p>Dur = 14.6s Dmag = 0.8 Sun: 98° Moon: 66°</p>
<p>2021 mar 16 20h 8.2m A21_03123 420 Bertholda UCAC4 336-100193 Diam = 146.0 m = 11.6 m = 14.5</p>  <p>Dur = 10.9s Dmag = 3.0 Sun: 94° Moon: 132°</p>	<p>2021 mar 18 9h50.4m A21_03096 313 Chaldaea TYC 0741-01224-1 Diam = 101.0 m = 10.5 m = 12.5</p>  <p>Dur = 6.7s Dmag = 2.2 Sun: 101° Moon: 47°</p>	<p>2021 mar 19 21h35.4m A21_03094 293 Brasilia TYC 6851-01411-1 Diam = 58.0 m = 9.2 m = 15.5</p>  <p>Dur = 3.2s Dmag = 6.3 Sun: 86° Moon: 158°</p>	<p>2021 mar 20 17h22.9m A21_03041 81 Terpsichore UCAC4 389-058148 Diam = 124.0 m = 12.3 m = 13.5</p>  <p>Dur = 9.7s Dmag = 1.5 Sun: 155° Moon: 124°</p>
<p>2021 mar 21 14h 0.0m A21_03127 465 Alekto UCAC5 491-052131 Diam = 76.6 m = 12.3 m = 13.9</p>  <p>Dur = 10.1s Dmag = 1.8 Sun: 146° Moon: 58°</p>	<p>2021 mar 21 15h55.3m A21_03050 105 Artemis UCAC4 430-071831 Diam = 123.0 m = 12.3 m = 12.4</p>  <p>Dur = 5.8s Dmag = 0.8 Sun: 94° Moon: 158°</p>	<p>2021 mar 22 13h51.0m A21_03019 14 Irene TYC 2469-00403-1 Diam = 152.4 m = 10.4 m = 10.2</p>  <p>Dur = 31.2s Dmag = 0.6 Sun: 115° Moon: 17°</p>	<p>2021 mar 22 16h22.9m A21_03085 248 Lameia UCAC5 331-080480 Diam = 52.0 m = 12.4 m = 14.4</p>  <p>Dur = 5.8s Dmag = 2.2 Sun: 109° Moon: 148°</p>
<p>2021 mar 23 14h20.3m A21_03008 5 Astraea TYC 6268-00620-1 Diam = 125.0 m = 8.6 m = 12.0</p>  <p>Dur = 8.1s Dmag = 3.5 Sun: 90° Moon: 155°</p>	<p>2021 mar 24 10h 4.0m A21_03090 280 Philia PPMX 5088893 Diam = 48.0 m = 12.0 m = 16.1</p>  <p>Dur = 4.5s Dmag = 4.1 Sun: 105° Moon: 18°</p>	<p>2021 mar 24 12h42.0m A21_03139 515 Athalia UCAC4 562-041299 Diam = 43.0 m = 10.2 m = 16.4</p>  <p>Dur = 4.6s Dmag = 6.2 Sun: 106° Moon: 18°</p>	<p>2021 mar 24 16h17.1m A21_03044 84 Klio UCAC4 287-191007 Diam = 83.0 m = 12.4 m = 13.9</p>  <p>Dur = 3.6s Dmag = 1.7 Sun: 84° Moon: 150°</p>

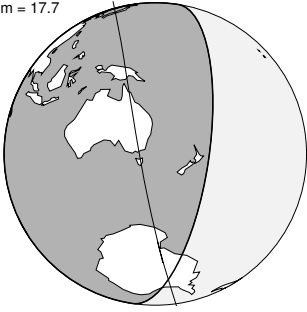
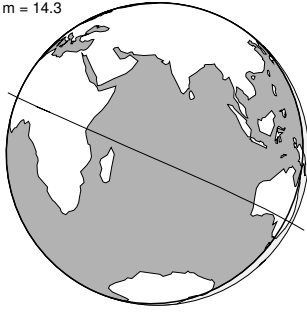
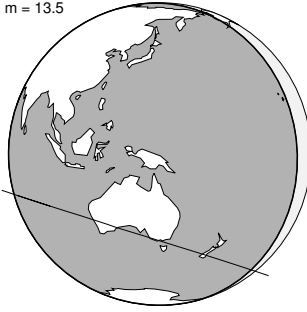
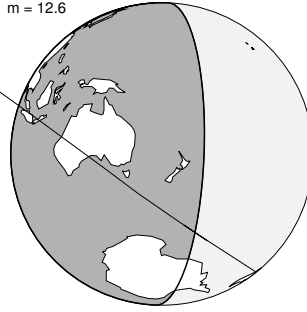
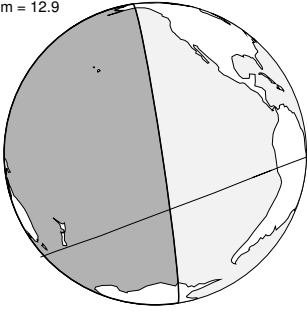
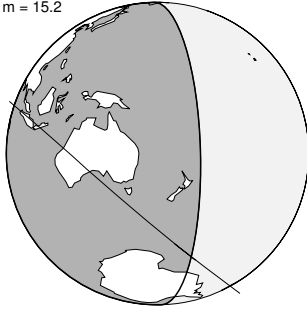
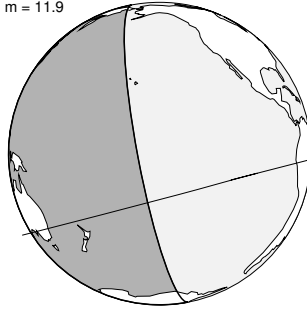
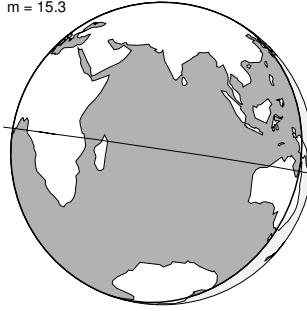
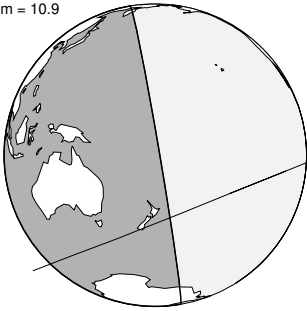
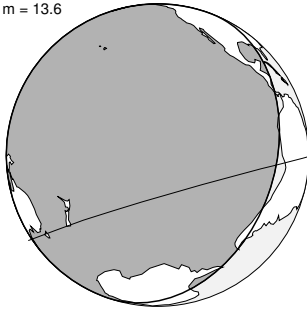
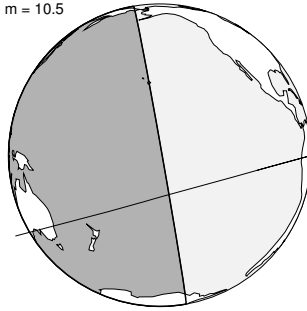
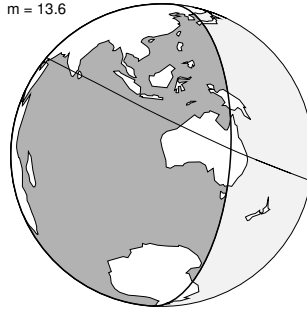
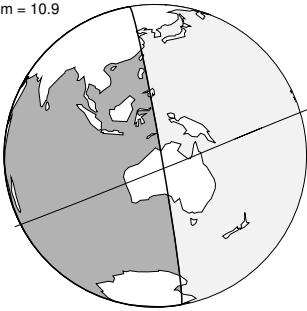
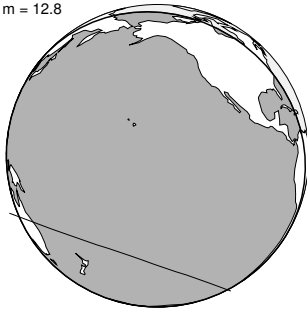
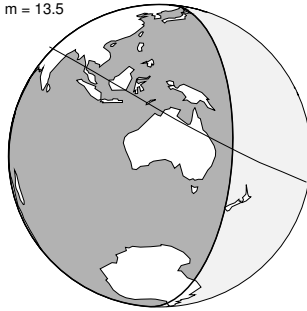
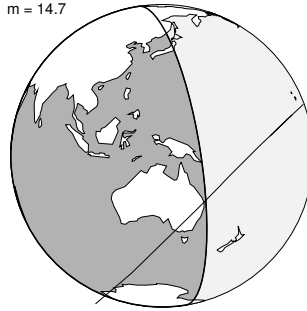
Occultations by major and minor planets – 2021

Region 8

<p>2021 mar 24 17h25.0m A21_03174 1263 Varsavia TYC 0997-00647-1 Diam = 50.7 m = 11.5 m = 16.2</p>  <p>Dur = 3.1s Dmag = 4.6 Sun: 98° Moon: 122°</p>	<p>2021 mar 25 18h26.8m A21_03187 2246 Bowell TYC 5638-00732-1 Diam = 52.1 m = 9.9 m = 16.7</p>  <p>Dur = 14.7s Dmag = 6.8 Sun: 118° Moon: 101°</p>	<p>2021 mar 26 8h53.3m A21_03120 393 Lampetia UCAC4 484-029047 Diam = 106.0 m = 11.9 m = 14.7</p>  <p>Dur = 10.4s Dmag = 2.9 Sun: 98° Moon: 52°</p>	<p>2021 mar 26 18h49.3m A21_03026 30 Urania PPMX 12665712 Diam = 104.0 m = 12.2 m = 12.5</p>  <p>Dur = 8.2s Dmag = 0.9 Sun: 98° Moon: 109°</p>
<p>2021 mar 27 15h45.5m A21_03193 3317 Paris UCAC4 458-077620 Diam = 127.0 m = 11.8 m = 15.6</p>  <p>Dur = 9.2s Dmag = 3.8 Sun: 94° Moon: 98°</p>	<p>2021 mar 27 16h36.3m A21_03166 987 Wallia TYC 6755-00416-1 Diam = 44.6 m = 8.4 m = 14.7</p>  <p>Dur = 5.8s Dmag = 6.3 Sun: 137° Moon: 58°</p>	<p>2021 mar 29 15h37.7m A21_03062 154 Bertha TYC 7916-02219-1 Diam = 192.0 m = 11.4 m = 13.3</p>  <p>Dur = 9.5s Dmag = 2.1 Sun: 88° Moon: 81°</p>	<p>2021 mar 29 19h48.2m A21_03151 712 Boliviana TYC 5191-00531-1 Diam = 132.0 m = 10.1 m = 14.0</p>  <p>Dur = 3.7s Dmag = 4.0 Sun: 55° Moon: 110°</p>
<p>2021 mar 30 14h39.9m A21_03121 419 Aurelia UCAC4 337-108392 Diam = 133.0 m = 11.6 m = 12.2</p>  <p>Dur = 8.7s Dmag = 1.0 Sun: 103° Moon: 51°</p>	<p>2021 apr 1 18h17.2m A21_04052 182 Elsa TYC 0283-00748-1 Diam = 45.3 m = 11.0 m = 12.7</p>  <p>Dur = 3.9s Dmag = 1.9 Sun: 166° Moon: 68°</p>	<p>2021 apr 3 20h10.0m A21_04127 895 Helio UCAC4 320-174226 Diam = 147.0 m = 12.4 m = 14.6</p>  <p>Dur = 15.1s Dmag = 2.4 Sun: 98° Moon: 2°</p>	<p>2021 apr 4 9h 2.1m A21_04073 345 Tercidina UCAC4 510-033809 Diam = 100.0 m = 12.4 m = 13.2</p>  <p>Dur = 5.4s Dmag = 1.2 Sun: 89° Moon: 167°</p>
<p>2021 apr 4 13h13.5m A21_04019 63 Ausonia UCAC4 297-107161 Diam = 108.0 m = 11.1 m = 12.4</p>  <p>Dur = 14.7s Dmag = 0.3 Sun: 117° Moon: 30°</p>	<p>2021 apr 5 8h 3.1m A21_04125 892 Seeligeria UCAC4 475-023586 Diam = 78.5 m = 12.3 m = 15.3</p>  <p>Dur = 3.6s Dmag = 3.1 Sun: 86° Moon: 154°</p>	<p>2021 apr 5 10h54.1m A21_04126 892 Seeligeria UCAC4 475-023615 Diam = 78.5 m = 12.4 m = 15.3</p>  <p>Dur = 3.6s Dmag = 3.0 Sun: 86° Moon: 153°</p>	<p>2021 apr 6 7h47.7m A21_04091 429 Lotis UCAC4 452-048061 Diam = 70.3 m = 11.5 m = 14.4</p>  <p>Dur = 9.7s Dmag = 3.0 Sun: 136° Moon: 152°</p>

Occultations by major and minor planets – 2021

Region 8

<p>2021 apr 6 18h18.2m A21_04150 4828 Misenus TYC 7888-00893-1 Diam = 41.7 m = 10.9 m = 17.7</p>  <p>Dur = 5.3s Dmag = 6.8 Sun: 110° Moon: 51°</p>	<p>2021 apr 6 20h36.2m A21_04115 743 Eugenis UCAC4 373-068362 Diam = 55.7 m = 12.2 m = 14.3</p>  <p>Dur = 4.8s Dmag = 2.2 Sun: 161° Moon: 102°</p>	<p>2021 apr 7 16h 2.1m A21_04092 455 Bruchsalia UCAC4 434-060535 Diam = 87.5 m = 12.0 m = 13.5</p>  <p>Dur = 7.1s Dmag = 1.8 Sun: 155° Moon: 108°</p>	<p>2021 apr 8 18h 3.8m A21_04040 139 Juewa PPMX 13698761 Diam = 164.0 m = 12.1 m = 12.6</p>  <p>Dur = 16.4s Dmag = 1.0 Sun: 106° Moon: 68°</p>
<p>2021 apr 12 14h47.9m A21_04014 48 Doris Gaia 075-0558988 Diam = 219.0 m = 12.1 m = 12.9</p>  <p>Dur = 15.0s Dmag = 1.2 Sun: 92° Moon: 99°</p>	<p>2021 apr 12 18h18.8m A21_04063 293 Brasilia UCAC4 309-218725 Diam = 58.0 m = 12.4 m = 15.2</p>  <p>Dur = 6.0s Dmag = 2.9 Sun: 106° Moon: 113°</p>	<p>2021 apr 13 16h23.7m A21_04079 354 Eleonora UCAC4 409-128140 Diam = 162.0 m = 12.4 m = 11.9</p>  <p>Dur = 8.4s Dmag = 0.6 Sun: 81° Moon: 99°</p>	<p>2021 apr 13 20h42.3m A21_04098 497 Iva TYC 6180-00118-1 Diam = 45.3 m = 10.5 m = 15.3</p>  <p>Dur = 3.5s Dmag = 4.8 Sun: 155° Moon: 172°</p>
<p>2021 apr 14 18h19.2m A21_04003 12 Victoria TYC 6303-01055-1 Diam = 117.0 m = 11.1 m = 10.9</p>  <p>Dur = 5.5s Dmag = 0.7 Sun: 91° Moon: 121°</p>	<p>2021 apr 15 11h23.3m A21_04053 195 Eurykleia TYC 6787-01765-1 Diam = 89.0 m = 10.8 m = 13.6</p>  <p>Dur = 12.7s Dmag = 2.9 Sun: 140° Moon: 172°</p>	<p>2021 apr 15 16h 7.4m A21_04002 6 Hebe UCAC4 405-118750 Diam = 186.0 m = 12.3 m = 10.5</p>  <p>Dur = 10.5s Dmag = 0.2 Sun: 90° Moon: 129°</p>	<p>2021 apr 15 20h42.1m A21_04056 231 Vindobona UCAC4 300-148220 Diam = 85.1 m = 12.5 m = 13.6</p>  <p>Dur = 13.0s Dmag = 1.4 Sun: 116° Moon: 157°</p>
<p>2021 apr 15 21h35.3m A21_04004 12 Victoria UCAC4 366-172733 Diam = 117.0 m = 12.1 m = 10.9</p>  <p>Dur = 5.6s Dmag = 0.3 Sun: 92° Moon: 133°</p>	<p>2021 apr 16 10h34.3m A21_04086 412 Elisabetha TYC 0909-01319-1 Diam = 93.0 m = 9.3 m = 12.8</p>  <p>Dur = 8.6s Dmag = 3.5 Sun: 158° Moon: 134°</p>	<p>2021 apr 17 19h36.3m A21_04057 231 Vindobona UCAC4 300-151152 Diam = 85.1 m = 12.0 m = 13.5</p>  <p>Dur = 14.6s Dmag = 1.8 Sun: 118° Moon: 175°</p>	<p>2021 apr 17 20h 4.9m A21_04082 365 Corduba UCAC4 409-091187 Diam = 110.0 m = 11.1 m = 14.7</p>  <p>Dur = 10.3s Dmag = 3.7 Sun: 104° Moon: 160°</p>

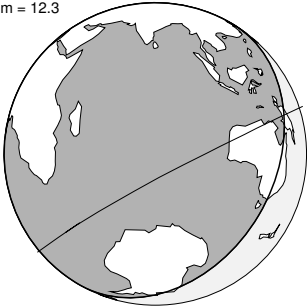
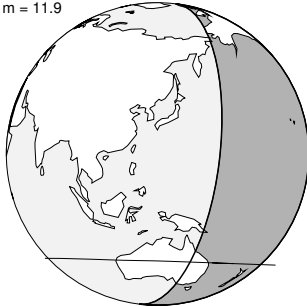
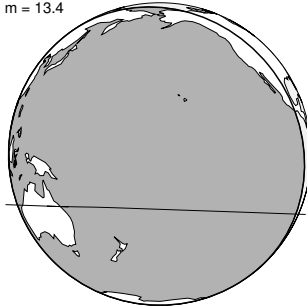
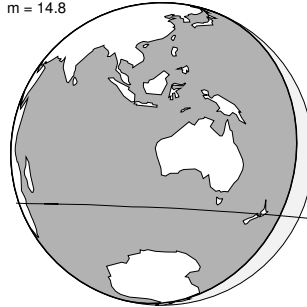
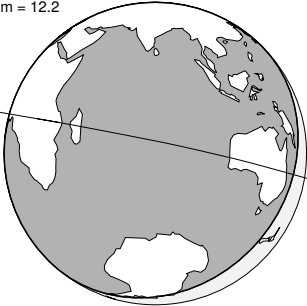
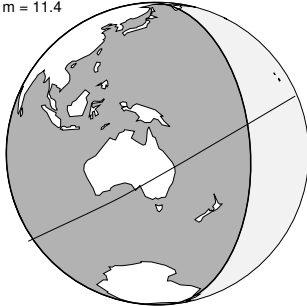
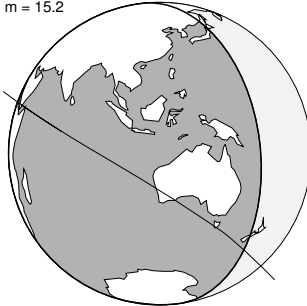
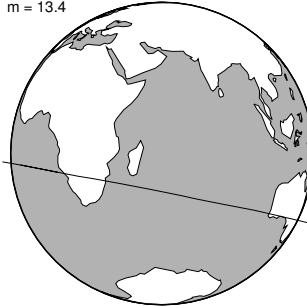
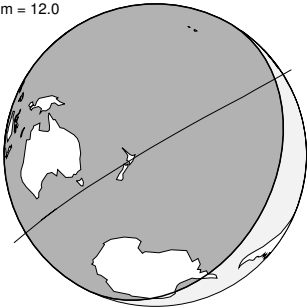
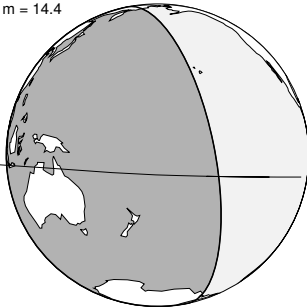
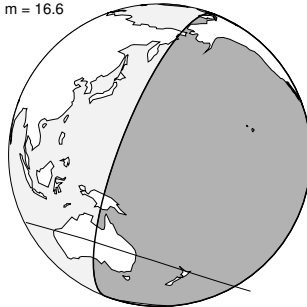
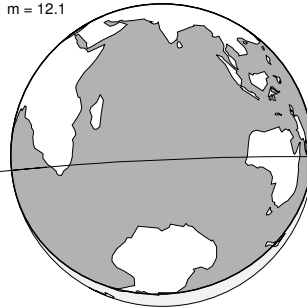
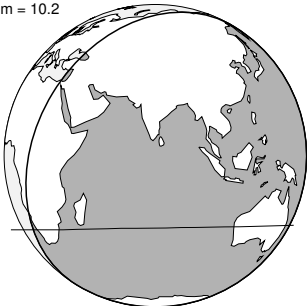
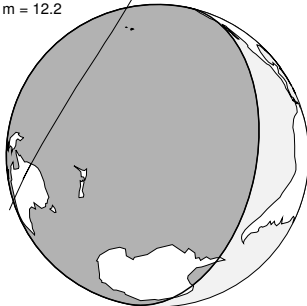
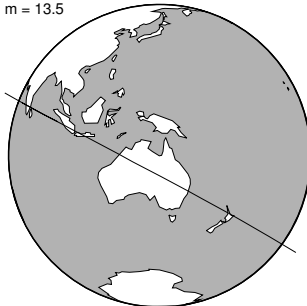
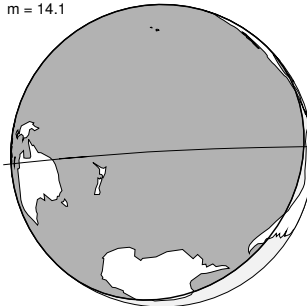
Occultations by major and minor planets – 2021

Region 8

<p>2021 apr 18 15h57.5m A21_04025 83 Beatrix UCAC4 314–233696 Diam = 84.0 m = 11.7 m = 13.1</p> <p>Dur = 6.9s Dmag = 1.6 Sun: 101° Moon: 173°</p>	<p>2021 apr 18 17h 0.9m A21_04105 584 Semiramis UCAC5 298–175637 Diam = 56.2 m = 12.5 m = 13.0</p> <p>Dur = 9.5s Dmag = 1.1 Sun: 114° Moon: 172°</p>	<p>2021 apr 19 18h 7.1m A21_04022 63 Ausonia UCAC4 291–116838 Diam = 108.0 m = 12.0 m = 10.7</p> <p>Dur = 34.5s Dmag = 0.3 Sun: 130° Moon: 145°</p>	<p>2021 apr 20 7h59.9m A21_04018 54 Alexandra TYC 1897–00442–1 Diam = 171.0 m = 9.6 m = 13.8</p> <p>Dur = 7.2s Dmag = 4.3 Sun: 70° Moon: 20°</p>
<p>2021 apr 20 17h14.5m B21_04002 307261 2002MS4 UCAC4 420–111946 Diam = 794.3 m = 14.3 m = 20.4</p> <p>Dur = 85.9s Dmag = 6.2 Sun: 104° Moon: 151°</p>	<p>2021 apr 22 11h50.5m A21_04114 694 Ekard UCAC4 382–060126 Diam = 92.7 m = 11.8 m = 14.4</p> <p>Dur = 6.6s Dmag = 2.6 Sun: 147° Moon: 38°</p>	<p>2021 apr 22 13h17.3m A21_04072 344 Desiderata UCAC4 279–212773 Diam = 138.0 m = 11.7 m = 11.5</p> <p>Dur = 6.7s Dmag = 0.7 Sun: 98° Moon: 143°</p>	<p>2021 apr 22 17h14.8m A21_04136 1240 Centenaria UCAC4 269–090653 Diam = 60.5 m = 12.4 m = 14.4</p> <p>Dur = 9.0s Dmag = 2.2 Sun: 138° Moon: 101°</p>
<p>2021 apr 24 11h 5.1m A21_04113 686 Gersuind TYC 6766–01175–1 Diam = 44.1 m = 8.6 m = 13.4</p> <p>Dur = 4.2s Dmag = 4.7 Sun: 158° Moon: 59°</p>	<p>2021 apr 24 19h25.2m A21_04028 89 Julia UCAC4 351–191656 Diam = 159.0 m = 11.7 m = 11.4</p> <p>Dur = 5.9s Dmag = 0.6 Sun: 75° Moon: 138°</p>	<p>2021 apr 25 18h 0.8m A21_04095 479 Caprera Gaia 077–0313448 Diam = 77.5 m = 10.3 m = 15.0</p> <p>Dur = 21.9s Dmag = 4.7 Sun: 126° Moon: 72°</p>	<p>2021 apr 25 18h53.1m A21_04049 164 Eva TYC 5017–00514–1 Diam = 110.0 m = 9.7 m = 13.4</p> <p>Dur = 7.9s Dmag = 3.8 Sun: 154° Moon: 40°</p>
<p>2021 apr 26 12h 9.4m A21_04119 755 Quintilla TYC 4972–01428–1 Diam = 45.5 m = 10.8 m = 13.6</p> <p>Dur = 4.5s Dmag = 2.9 Sun: 168° Moon: 2°</p>	<p>2021 apr 26 21h 4.4m A21_04130 972 Cohnia TYC 6822–02547–2 Diam = 79.0 m = 8.9 m = 14.9</p> <p>Dur = 11.1s Dmag = 6.0 Sun: 139° Moon: 45°</p>	<p>2021 apr 27 12h40.8m A21_04116 743 Eugenisia TYC 5559–00045–1 Diam = 55.7 m = 10.8 m = 14.1</p> <p>Dur = 4.4s Dmag = 3.3 Sun: 172° Moon: 13°</p>	<p>2021 apr 28 15h30.9m A21_04138 1266 Tone HIP 63195 Diam = 76.0 m = 8.0 m = 14.3</p> <p>Dur = 6.2s Dmag = 6.4 Sun: 153° Moon: 41°</p>

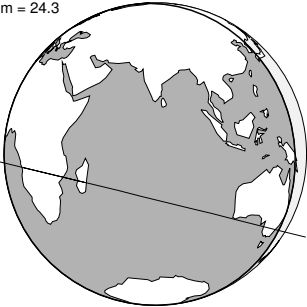
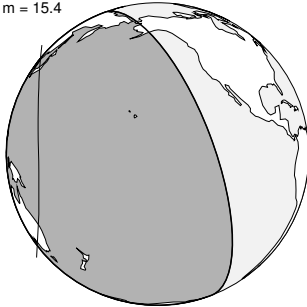
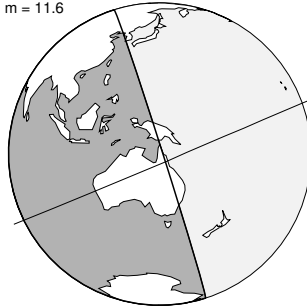
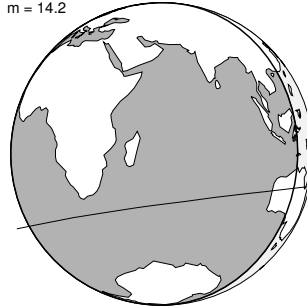
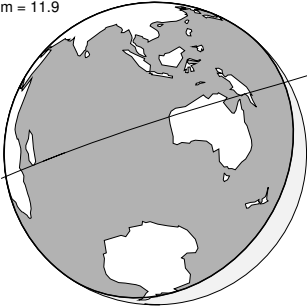
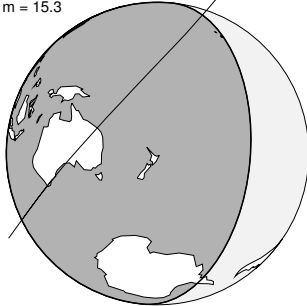
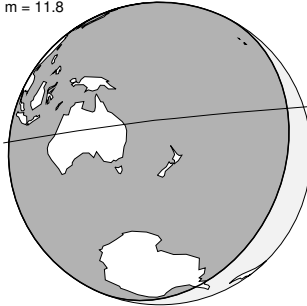
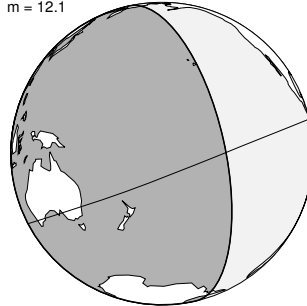
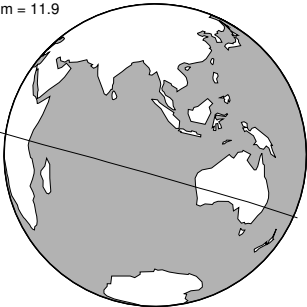
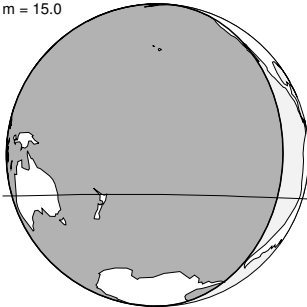
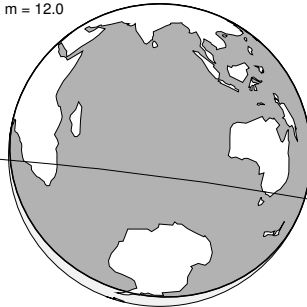
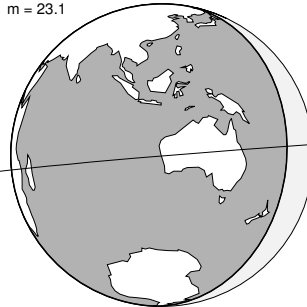
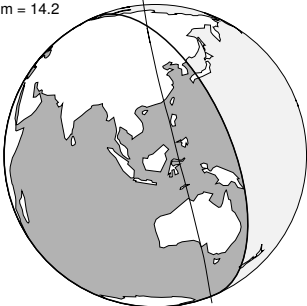
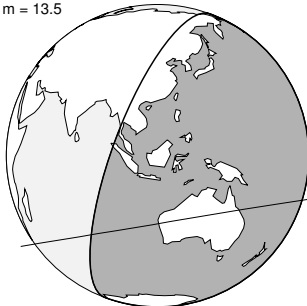
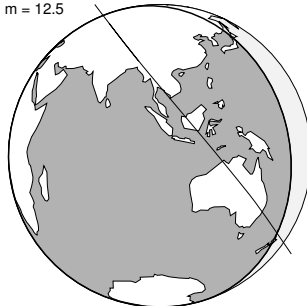
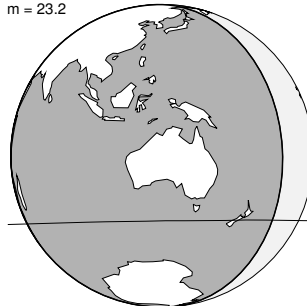
Occultations by major and minor planets – 2021

Region 8

<p>2021 apr 28 20h45.1m A21_04051 172 Baucis UCAC4 259–095366 Diam = 64.5 m = 11.4 m = 12.3</p>  <p>Dur = 10.4s Dmag = 1.3 Sun: 142° Moon: 19°</p>	<p>2021 apr 30 7h50.6m A21_04016 52 Europa TYC 1357–00786–1 Diam = 278.0 m = 9.7 m = 11.9</p>  <p>Dur = 9.4s Dmag = 2.3 Sun: 65° Moon: 159°</p>	<p>2021 apr 30 12h 9.9m A21_04048 164 Eva UCAC4 444–060417 Diam = 110.0 m = 12.0 m = 13.4</p>  <p>Dur = 7.3s Dmag = 1.7 Sun: 158° Moon: 39°</p>	<p>2021 apr 30 18h 4.2m A21_04060 271 Pentheseilea UCAC5 318–084737 Diam = 61.2 m = 12.4 m = 14.8</p>  <p>Dur = 6.0s Dmag = 2.5 Sun: 151° Moon: 22°</p>
<p>2021 apr 30 19h55.8m A21_04094 476 Hedwig UCAC4 278–084837 Diam = 121.0 m = 12.0 m = 12.2</p>  <p>Dur = 14.8s Dmag = 0.9 Sun: 153° Moon: 31°</p>	<p>2021 may 2 17h52.9m A21_05072 419 Aurelia UCAC4 346–135187 Diam = 133.0 m = 12.2 m = 11.4</p>  <p>Dur = 27.1s Dmag = 0.4 Sun: 127° Moon: 25°</p>	<p>2021 may 2 19h32.9m A21_05125 1731 Smuts UCAC5 371–110118 Diam = 56.2 m = 12.5 m = 15.2</p>  <p>Dur = 15.7s Dmag = 2.8 Sun: 131° Moon: 32°</p>	<p>2021 may 2 20h10.1m A21_05049 210 Isabella TYC 6158–01390–1 Diam = 90.0 m = 11.6 m = 13.4</p>  <p>Dur = 6.6s Dmag = 2.0 Sun: 177° Moon: 76°</p>
<p>2021 may 3 13h38.6m A21_05023 101 Helena TYC 7868–00614–1 Diam = 68.3 m = 11.4 m = 12.0</p>  <p>Dur = 10.2s Dmag = 1.1 Sun: 142° Moon: 53°</p>	<p>2021 may 3 16h11.4m A21_05115 1021 Flammario UCAC4 378–157128 Diam = 103.0 m = 12.2 m = 14.4</p>  <p>Dur = 22.8s Dmag = 2.3 Sun: 112° Moon: 24°</p>	<p>2021 may 4 8h25.3m A21_05130 2249 Yamamoto TYC 0836–00918–1 Diam = 46.0 m = 8.7 m = 16.6</p>  <p>Dur = 6.6s Dmag = 7.9 Sun: 105° Moon: 170°</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 13h 0.1m A21_05036 139 Juewa UCAC5 259–152116 Diam = 164.0 m = 12.4 m = 12.2</p>  <p>Dur = 27.9s Dmag = 0.7 Sun: 130° Moon: 74°</p>	<p>2021 may 6 14h58.0m A21_05071 397 Vienna TYC 6174–00657–1 Diam = 46.0 m = 10.8 m = 13.5</p>  <p>Dur = 3.1s Dmag = 2.7 Sun: 174° Moon: 118°</p>	<p>2021 may 7 11h35.0m A21_05120 1240 Centenaria TYC 7356–00515–1 Diam = 60.5 m = 11.6 m = 14.1</p>  <p>Dur = 6.0s Dmag = 2.7 Sun: 152° Moon: 108°</p>

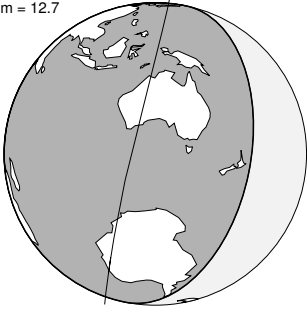
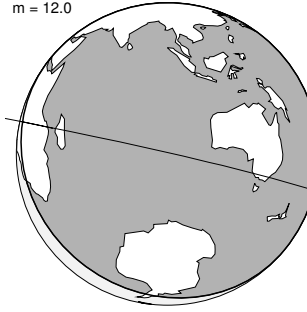
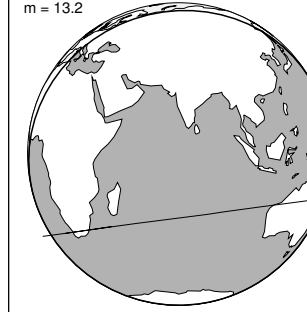
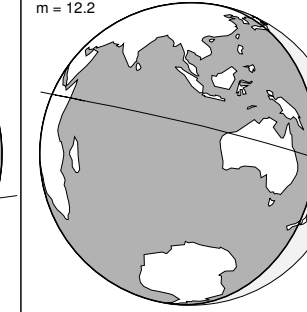
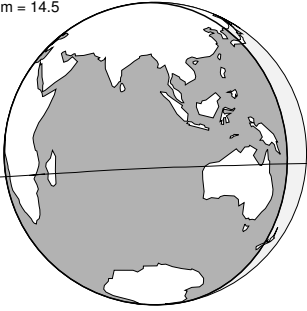
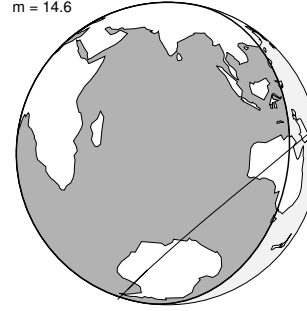
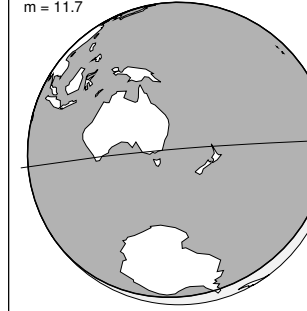
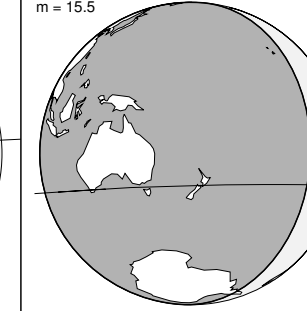
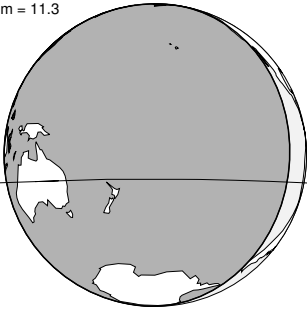
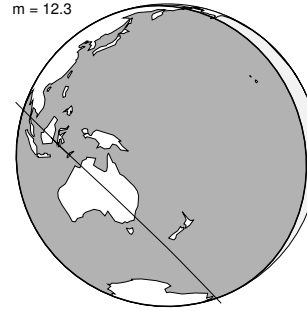
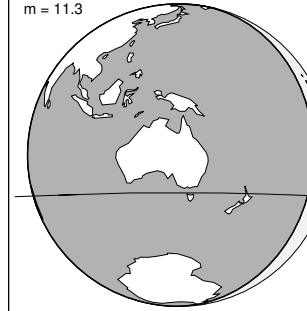
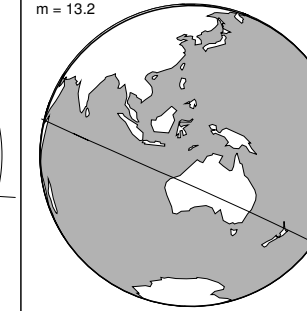
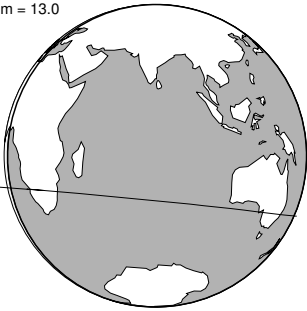
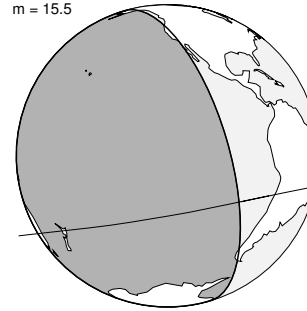
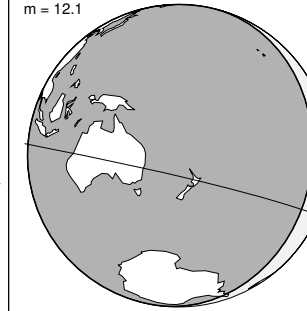
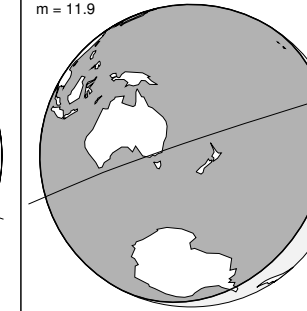
Occultations by major and minor planets – 2021

Region 8

<p>2021 may 7 20h20.2m A21_05145 500887 2013JO65 TYC 5635-00182-1 Diam = 95.5 m = 11.3 m = 24.3</p>  <p>Dur = 4.2s Dmag = 13.0 Sun: 156° Moon: 116°</p>	<p>2021 may 8 14h 4.5m A21_05138 3451 Mentor UCAC4 476-096206 Diam = 100.0 m = 12.4 m = 15.4</p>  <p>Dur = 10.1s Dmag = 3.1 Sun: 111° Moon: 83°</p>	<p>2021 may 8 20h39.8m A21_05012 43 Ariadne TYC 5784-01149-1 Diam = 65.3 m = 11.6</p>  <p>Dur = 3.3s Dmag = 0.9 Sun: 91° Moon: 59°</p>	<p>2021 may 9 21h51.0m A21_05057 267 Tirza UCAC5 344-082323 Diam = 53.6 m = 12.4 m = 14.2</p>  <p>Dur = 7.4s Dmag = 1.9 Sun: 153° Moon: 133°</p>
<p>2021 may 10 18h26.8m A21_05024 101 Helena UCAC5 257-099069 Diam = 68.3 m = 12.3 m = 11.9</p>  <p>Dur = 8.5s Dmag = 0.5 Sun: 149° Moon: 139°</p>	<p>2021 may 11 15h49.1m A21_05068 361 Bononia UCAC4 265-183029 Diam = 149.0 m = 12.2 m = 15.3</p>  <p>Dur = 17.1s Dmag = 3.2 Sun: 127° Moon: 126°</p>	<p>2021 may 12 14h57.9m A21_05030 115 Thyra TYC 7883-01657-1 Diam = 83.5 m = 9.9 m = 11.8</p>  <p>Dur = 9.5s Dmag = 2.1 Sun: 145° Moon: 153°</p>	<p>2021 may 12 15h47.1m A21_05020 65 Cybele UCAC5 365-165228 Diam = 230.0 m = 12.3 m = 12.1</p>  <p>Dur = 46.3s Dmag = 0.7 Sun: 114° Moon: 124°</p>
<p>2021 may 13 17h42.8m A21_05014 46 Hestia UCAC4 370-072131 Diam = 131.0 m = 12.4 m = 11.9</p>  <p>Dur = 10.7s Dmag = 0.5 Sun: 176° Moon: 161°</p>	<p>2021 may 14 12h46.4m A21_05083 569 Misa UCAC4 327-114122 Diam = 75.6 m = 12.4 m = 15.0</p>  <p>Dur = 8.1s Dmag = 2.7 Sun: 145° Moon: 176°</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>	<p>2021 may 15 18h43.7m B21_05002 119066 2001KJ76 UCAC4 311-133746 Diam = 182.0 m = 14.5 m = 23.1</p>  <p>Dur = 9.3s Dmag = 8.5 Sun: 145° Moon: 171°</p>
<p>2021 may 15 20h 7.9m A21_05059 276 Adelheid UCAC5 463-091413 Diam = 127.0 m = 12.4 m = 14.2</p>  <p>Dur = 11.5s Dmag = 2.0 Sun: 120° Moon: 150°</p>	<p>2021 may 16 11h37.8m A21_05069 374 Burgundia TYC 0254-00533-1 Diam = 48.2 m = 8.7 m = 13.5</p>  <p>Dur = 5.4s Dmag = 4.8 Sun: 107° Moon: 57°</p>	<p>2021 may 16 19h19.0m A21_05075 456 Abnoba UCAC4 383-088897 Diam = 43.1 m = 11.9 m = 12.5</p>  <p>Dur = 5.1s Dmag = 1.1 Sun: 149° Moon: 151°</p>	<p>2021 may 18 18h 0.1m A21_05146 2001KH76 UCAC4 337-137127 Diam = 182.0 m = 12.1 m = 23.2</p>  <p>Dur = 9.8s Dmag = 11.1 Sun: 142° Moon: 139°</p>

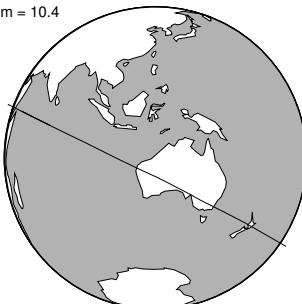
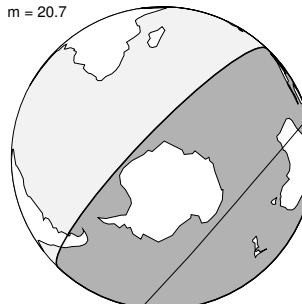
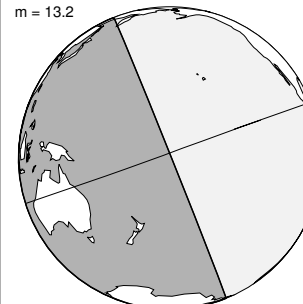
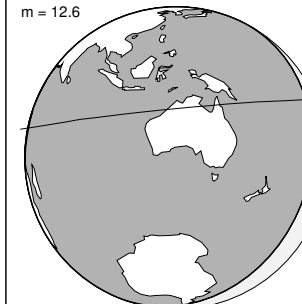
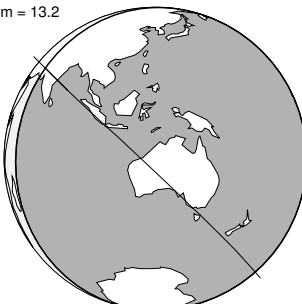
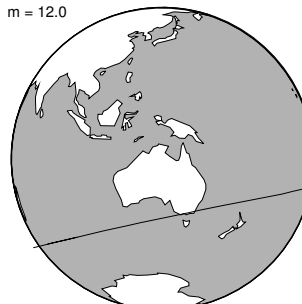
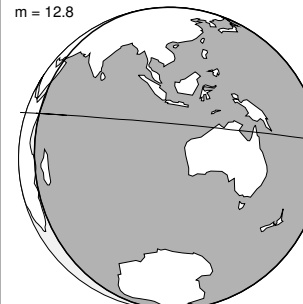
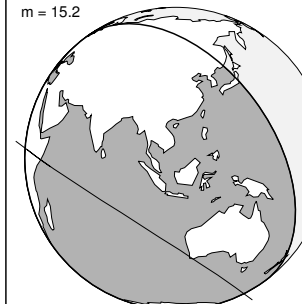
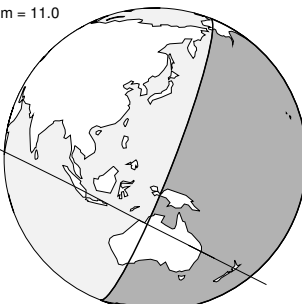
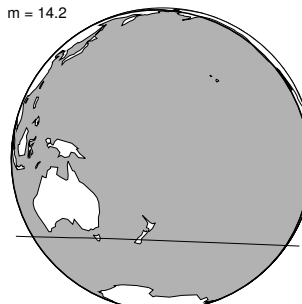
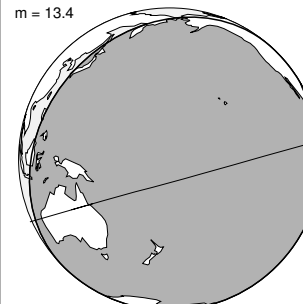
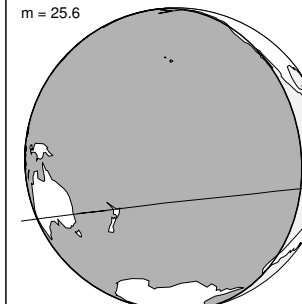
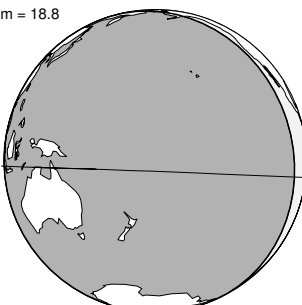
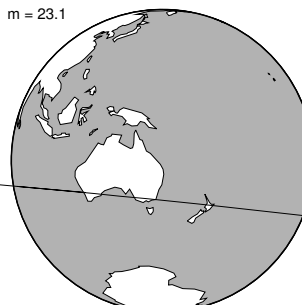
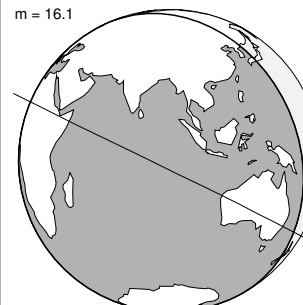
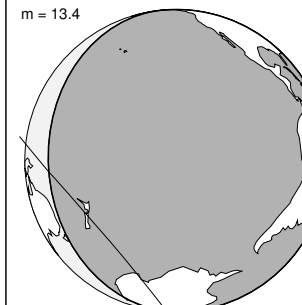
Occultations by major and minor planets – 2021

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<p>2021 may 18 18h54.9m A21_05039 154 Bertha PPMX 15727163 Diam = 192.0 m = 12.4</p>  <p>Dur = 17.5s Dmag = 1.0 Sun: 129° Moon: 145°</p>	<p>2021 may 20 16h34.2m A21_05106 804 Hispania TYC 7819-02094-1 Diam = 140.6 m = 10.8</p>  <p>Dur = 11.8s Dmag = 1.5 Sun: 156° Moon: 75°</p>	<p>2021 may 20 18h30.8m A21_05041 164 Eva PPMX 9545032 Diam = 110.0 m = 12.1</p>  <p>Dur = 6.7s Dmag = 1.5 Sun: 160° Moon: 66°</p>	<p>2021 may 20 19h38.5m A21_05085 584 Semiramis UCAC5 301-198359 Diam = 56.2 m = 12.5</p>  <p>Dur = 9.8s Dmag = 0.6 Sun: 145° Moon: 112°</p>
<p>2021 may 20 19h48.1m A21_05117 1107 Lictoria TYC 6254-00001-1 Diam = 81.0 m = 14.5</p>  <p>Dur = 7.4s Dmag = 2.7 Sun: 150° Moon: 106°</p>	<p>2021 may 20 21h27.6m A21_05061 293 Brasilia UCAC4 290-185959 Diam = 58.0 m = 12.3</p>  <p>Dur = 5.8s Dmag = 2.4 Sun: 143° Moon: 113°</p>	<p>2021 may 21 14h14.5m A21_05025 101 Helena TYC 7867-00516-1 Diam = 68.3 m = 11.7</p>  <p>Dur = 7.2s Dmag = 0.6 Sun: 158° Moon: 83°</p>	<p>2021 may 21 15h23.2m A21_05110 884 Priamus UCAC4 306-249439 Diam = 72.1 m = 11.3</p>  <p>Dur = 8.4s Dmag = 4.2 Sun: 142° Moon: 105°</p>
<p>2021 may 22 12h50.1m A21_05011 30 Urania UCAC4 321-124217 Diam = 104.0 m = 11.3</p>  <p>Dur = 12.6s Dmag = 0.3 Sun: 152° Moon: 82°</p>	<p>2021 may 22 14h32.9m A21_05076 456 Abnoba Gaia 078-0266357 Diam = 43.1 m = 11.4</p>  <p>Dur = 4.7s Dmag = 1.3 Sun: 154° Moon: 76°</p>	<p>2021 may 22 16h30.1m A21_05010 30 Urania UCAC5 321-117175 Diam = 104.0 m = 11.3</p>  <p>Dur = 12.5s Dmag = 0.3 Sun: 152° Moon: 80°</p>	<p>2021 may 23 15h24.6m A21_05048 205 Martha TYC 5605-00055-1 Diam = 83.5 m = 10.8</p>  <p>Dur = 6.7s Dmag = 2.5 Sun: 170° Moon: 35°</p>
<p>2021 may 25 17h47.1m A21_05031 118 Peitho UCAC4 350-074338 Diam = 45.7 m = 13.0</p>  <p>Dur = 3.6s Dmag = 1.4 Sun: 167° Moon: 4°</p>	<p>2021 may 26 12h47.8m A21_05098 738 Alagasta UCAC4 370-183626 Diam = 64.8 m = 11.7</p>  <p>Dur = 16.0s Dmag = 3.9 Sun: 113° Moon: 65°</p>	<p>2021 may 26 14h45.6m A21_05088 584 Semiramis UCAC4 302-206223 Diam = 56.2 m = 12.3</p>  <p>Dur = 7.6s Dmag = 0.7 Sun: 151° Moon: 26°</p>	<p>2021 may 26 14h53.8m A21_05038 139 Juewa UCAC4 252-151861 Diam = 164.0 m = 11.9</p>  <p>Dur = 16.9s Dmag = 0.6 Sun: 149° Moon: 29°</p>

Occultations by major and minor planets – 2021

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<p>2021 may 26 15h28.5m A21_05054 230 Athamantis UCAC5 353-073772 Diam = 125.0 m = 12.4 m = 10.4</p>  <p>Dur = 10.8s Dmag = 0.2 Sun: 174° Moon: 8°</p>	<p>2021 may 27 11h58.7m B21_05008 2012DR30 UCAC4 088-013936 Diam = 158.5 m = 13.4 m = 20.7</p>  <p>Dur = 7.2s Dmag = 7.3 Sun: 99° Moon: 81°</p>	<p>2021 may 27 17h31.4m A21_05045 175 Andromache TYC 5814-01044-1 Diam = 107.0 m = 11.3 m = 13.2</p>  <p>Dur = 5.4s Dmag = 2.1 Sun: 90° Moon: 72°</p>	<p>2021 may 28 17h21.5m A21_05052 227 Philosophia UCAC4 269-151216 Diam = 90.1 m = 11.9 m = 12.6</p>  <p>Dur = 12.5s Dmag = 1.1 Sun: 151° Moon: 12°</p>
<p>2021 may 29 13h59.5m A21_05095 686 Gersuind TYC 6162-00479-1 Diam = 44.1 m = 10.9 m = 13.2</p>  <p>Dur = 3.8s Dmag = 2.4 Sun: 157° Moon: 66°</p>	<p>2021 may 29 15h16.8m A21_05066 347 Pariana TYC 6221-00799-1 Diam = 96.4 m = 11.8 m = 12.0</p>  <p>Dur = 8.7s Dmag = 0.8 Sun: 173° Moon: 41°</p>	<p>2021 may 30 14h53.5m A21_05089 595 Polyxena UCAC5 308-073917 Diam = 114.0 m = 12.5 m = 12.8</p>  <p>Dur = 10.1s Dmag = 0.9 Sun: 153° Moon: 80°</p>	<p>2021 may 31 19h24.5m A21_05139 3451 Mentor UCAC4 484-095109 Diam = 100.0 m = 11.8 m = 15.2</p>  <p>Dur = 9.5s Dmag = 3.4 Sun: 130° Moon: 44°</p>
<p>2021 jun 1 8h51.6m A21_06012 29 Amphitrite TYC 0841-00950-1 Diam = 219.0 m = 11.7 m = 11.0</p>  <p>Dur = 10.8s Dmag = 0.5 Sun: 83° Moon: 173°</p>	<p>2021 jun 1 12h47.4m A21_06101 479 Caprera UCAC5 387-076016 Diam = 77.5 m = 12.4 m = 14.2</p>  <p>Dur = 5.8s Dmag = 2.0 Sun: 163° Moon: 69°</p>	<p>2021 jun 2 10h17.1m A21_06058 164 Eva TYC 5004-00563-1 Diam = 110.0 m = 12.3 m = 13.4</p>  <p>Dur = 7.2s Dmag = 1.4 Sun: 149° Moon: 119°</p>	<p>2021 jun 2 12h39.5m A21_06183 2011HD103 TYC 6295-01129-1 Diam = 87.1 m = 9.4 m = 25.6</p>  <p>Dur = 4.3s Dmag = 16.1 Sun: 145° Moon: 59°</p>
<p>2021 jun 2 13h 8.2m B21_06002 50000 Quaoar UCAC4 375-118271 Diam = 1110.0 m = 13.0 m = 18.8</p>  <p>Dur = 49.7s Dmag = 5.8 Sun: 155° Moon: 71°</p>	<p>2021 jun 2 14h 0.9m B21_06010 2004HC79 UCAC4 336-087408 Diam = 158.5 m = 13.6 m = 23.1</p>  <p>Dur = 6.5s Dmag = 9.4 Sun: 176° Moon: 90°</p>	<p>2021 jun 2 19h52.3m A21_06179 4709 Ennomos TYC 5696-00261-1 Diam = 69.2 m = 12.4 m = 16.1</p>  <p>Dur = 4.4s Dmag = 3.7 Sun: 148° Moon: 69°</p>	<p>2021 jun 3 6h35.2m A21_06124 695 Bella UCAC4 305-076560 Diam = 51.2 m = 12.4 m = 13.4</p>  <p>Dur = 4.7s Dmag = 1.4 Sun: 147° Moon: 127°</p>

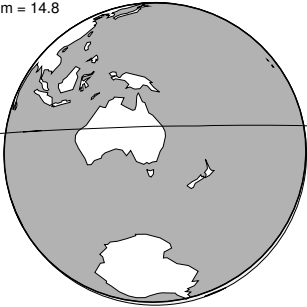
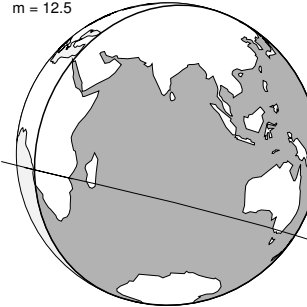
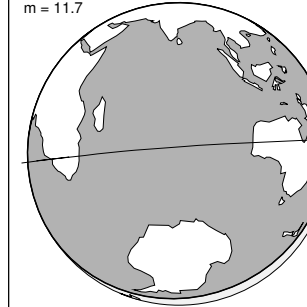
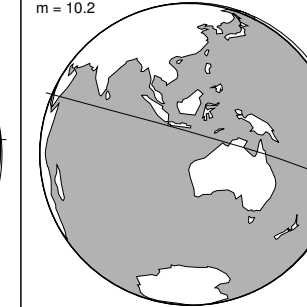
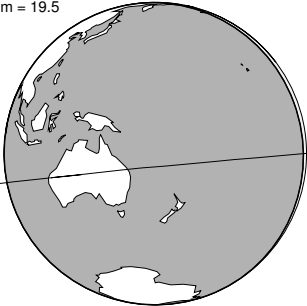
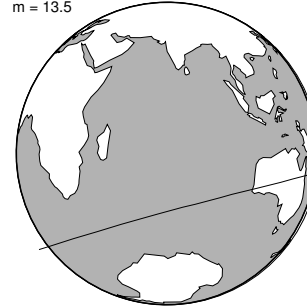
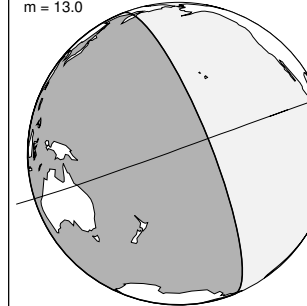
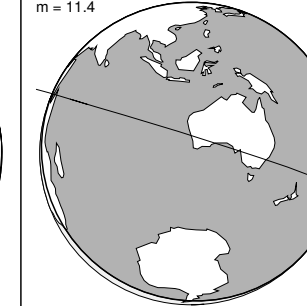
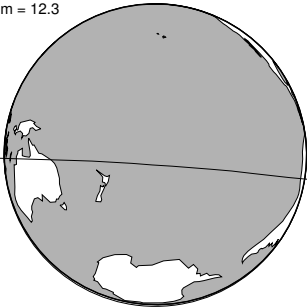
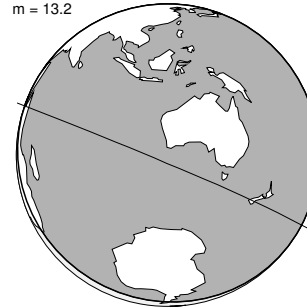
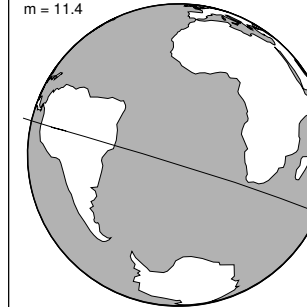
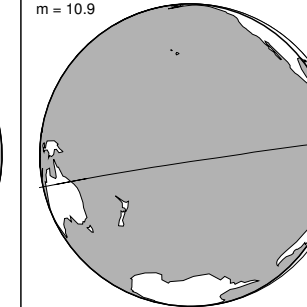
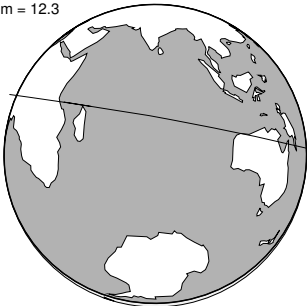
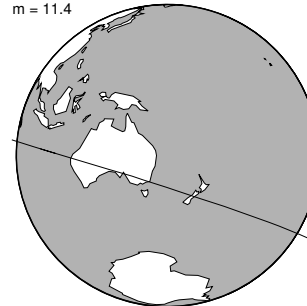
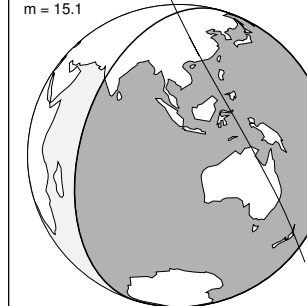
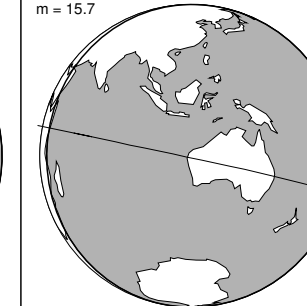
Occultations by major and minor planets – 2021

Region 8

<p>2021 jun 3 9h53.7m A21_06083 347 Pariana UCAC4 365-077018 Diam = 96.4 m = 12.3 m = 12.0</p> <p>Dur = 8.7s Dmag = 0.6 Sun: 174° Moon: 105°</p>	<p>2021 jun 3 10h43.0m A21_06112 584 Semiramis PPMX 12684911 Diam = 56.2 m = 12.1 m = 11.8</p> <p>Dur = 6.1s Dmag = 0.6 Sun: 160° Moon: 84°</p>	<p>2021 jun 3 15h59.9m A21_06023 78 Diana TYC 7428-00501-1 Diam = 116.0 m = 10.0 m = 13.0</p> <p>Dur = 12.5s Dmag = 3.0 Sun: 143° Moon: 70°</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 20h35.0m A21_06070 264 Libussa UCAC4 289-208820 Diam = 53.0 m = 11.8 m = 13.1</p> <p>Dur = 8.1s Dmag = 1.6 Sun: 135° Moon: 64°</p>	<p>2021 jun 4 18h16.9m A21_06127 740 Cantabria UCAC4 364-164598 Diam = 94.5 m = 11.9 m = 13.9</p> <p>Dur = 10.5s Dmag = 2.1 Sun: 146° Moon: 85°</p>	<p>2021 jun 5 11h45.9m A21_06096 445 Edna UCAC4 445-050087 Diam = 89.0 m = 12.3 m = 15.9</p> <p>Dur = 3.8s Dmag = 3.7 Sun: 70° Moon: 121°</p>	<p>2021 jun 5 16h32.7m A21_06132 804 Hispania UCAC4 261-073578 Diam = 140.6 m = 11.7 m = 12.2</p> <p>Dur = 14.6s Dmag = 1.0 Sun: 146° Moon: 144°</p>
<p>2021 jun 5 17h27.3m A21_06025 80 Sappho PPMX 9858137 Diam = 81.7 m = 11.7 m = 11.5</p> <p>Dur = 7.3s Dmag = 0.7 Sun: 111° Moon: 62°</p>	<p>2021 jun 6 14h 9.4m A21_06071 267 Tirza UCAC4 342-081269 Diam = 53.6 m = 11.9 m = 13.6</p> <p>Dur = 5.4s Dmag = 1.9 Sun: 174° Moon: 144°</p>	<p>2021 jun 6 16h32.4m A21_06086 419 Aurelia UCAC4 357-129181 Diam = 133.0 m = 12.3 m = 10.4</p> <p>Dur = 28.8s Dmag = 0.2 Sun: 161° Moon: 121°</p>	<p>2021 jun 7 11h 0.4m A21_06121 671 Carnegia PPMX 13671876 Diam = 63.7 m = 12.3 m = 14.8</p> <p>Dur = 4.9s Dmag = 2.6 Sun: 165° Moon: 136°</p>
<p>2021 jun 7 15h58.8m A21_06142 1040 Klumpkea UCAC5 346-170247 Diam = 42.5 m = 12.5 m = 16.0</p> <p>Dur = 3.8s Dmag = 3.6 Sun: 145° Moon: 115°</p>	<p>2021 jun 7 18h16.9m A21_06032 101 Helena UCAC4 256-093282 Diam = 68.3 m = 12.1 m = 11.5</p> <p>Dur = 6.8s Dmag = 0.5 Sun: 161° Moon: 151°</p>	<p>2021 jun 9 13h49.0m A21_06141 1028 Lydina UCAC5 316-107056 Diam = 76.3 m = 12.4 m = 14.7</p> <p>Dur = 5.0s Dmag = 2.4 Sun: 175° Moon: 168°</p>	<p>2021 jun 9 14h 3.7m A21_06113 584 Semiramis UCAC4 306-163249 Diam = 56.2 m = 11.6 m = 11.6</p> <p>Dur = 5.5s Dmag = 0.8 Sun: 167° Moon: 158°</p>

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<p>2021 jun 10 14h27.2m A21_06122 671 Carnegia UCAC4 276–114087 Diam = 63.7 m = 12.4 m = 14.8</p>  <p>Dur = 4.8s Dmag = 2.5 Sun: 167° Moon: 169°</p>	<p>2021 jun 10 16h39.3m A21_06016 46 Hestia UCAC4 378–071434 Diam = 131.0 m = 12.3 m = 12.5</p>  <p>Dur = 14.9s Dmag = 0.9 Sun: 149° Moon: 147°</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 11 17h14.6m A21_06089 419 Aurelia TYC 6268–01201–2 Diam = 133.0 m = 11.0 m = 10.2</p>  <p>Dur = 25.7s Dmag = 0.4 Sun: 166° Moon: 173°</p>
<p>2021 jun 12 13h54.5m A21_06181 95626 2002GZ32 TYC 6272–00972–1 Diam = 173.8 m = 11.2 m = 19.5</p>  <p>Dur = 8.2s Dmag = 8.2 Sun: 167° Moon: 166°</p>	<p>2021 jun 12 19h50.0m A21_06151 1248 Jugurtha TYC 6846–00298–1 Diam = 47.9 m = 11.1 m = 13.5</p>  <p>Dur = 4.1s Dmag = 2.5 Sun: 169° Moon: 164°</p>	<p>2021 jun 13 16h29.8m A21_06060 175 Andromache UCAC4 395–130711 Diam = 107.0 m = 12.4 m = 13.0</p>  <p>Dur = 7.9s Dmag = 1.1 Sun: 102° Moon: 139°</p>	<p>2021 jun 14 15h43.0m A21_06041 115 Thyra UCAC4 267–100234 Diam = 83.5 m = 11.7 m = 11.4</p>  <p>Dur = 6.4s Dmag = 0.6 Sun: 164° Moon: 126°</p>
<p>2021 jun 16 10h27.8m A21_06068 231 Vindobona UCAC4 291–132338 Diam = 85.1 m = 11.3 m = 12.3</p>  <p>Dur = 9.4s Dmag = 1.4 Sun: 171° Moon: 110°</p>	<p>2021 jun 17 15h43.1m A21_06059 170 Maria UCAC4 263–115671 Diam = 46.2 m = 12.5 m = 13.2</p>  <p>Dur = 3.7s Dmag = 1.1 Sun: 164° Moon: 91°</p>	<p>2021 jun 18 1h 1.8m A21_06114 584 Semiramis UCAC4 309–132011 Diam = 56.2 m = 11.8 m = 11.4</p>  <p>Dur = 5.1s Dmag = 0.6 Sun: 175° Moon: 93°</p>	<p>2021 jun 18 11h18.7m A21_06010 27 Euterpe UCAC4 337–181292 Diam = 124.0 m = 12.4 m = 10.9</p>  <p>Dur = 10.7s Dmag = 0.2 Sun: 162° Moon: 104°</p>
<p>2021 jun 18 18h51.1m A21_06064 227 Philosophia PPMX 13681038 Diam = 90.1 m = 12.2 m = 12.3</p>  <p>Dur = 9.2s Dmag = 0.8 Sun: 167° Moon: 84°</p>	<p>2021 jun 19 13h25.3m A21_06115 584 Semiramis UCAC4 310–132846 Diam = 56.2 m = 12.0 m = 11.4</p>  <p>Dur = 5.1s Dmag = 0.5 Sun: 175° Moon: 72°</p>	<p>2021 jun 19 13h36.5m A21_06126 726 Joëlla UCAC4 366–065130 Diam = 47.2 m = 12.1 m = 15.1</p>  <p>Dur = 6.5s Dmag = 3.1 Sun: 130° Moon: 24°</p>	<p>2021 jun 19 15h 4.8m A21_06174 2697 Albina UCAC4 334–082441 Diam = 54.0 m = 11.8 m = 15.7</p>  <p>Dur = 4.0s Dmag = 4.0 Sun: 162° Moon: 54°</p>

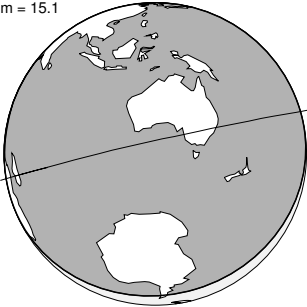
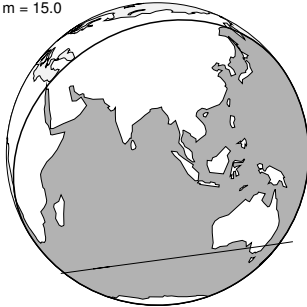
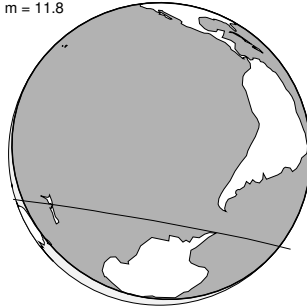
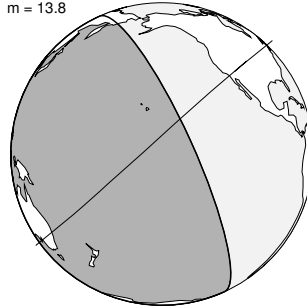
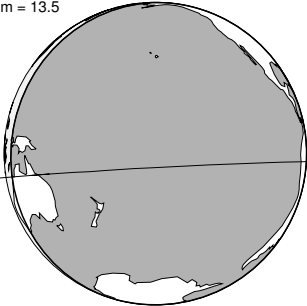
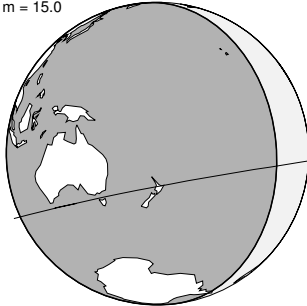
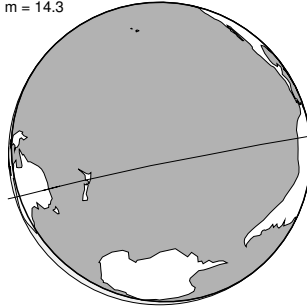
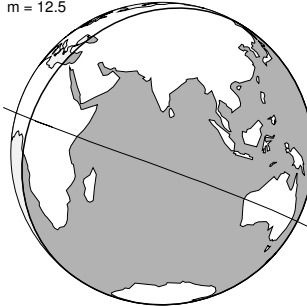
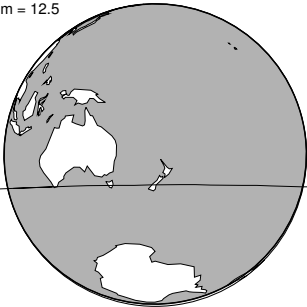
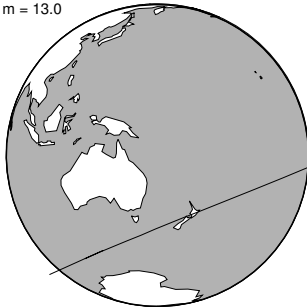
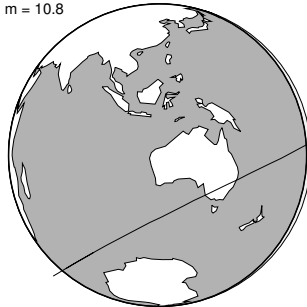
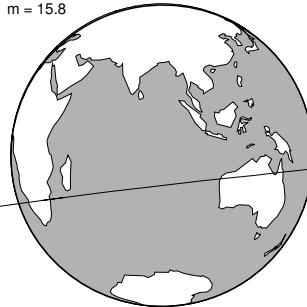
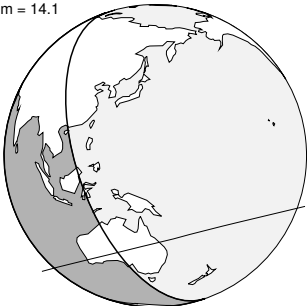
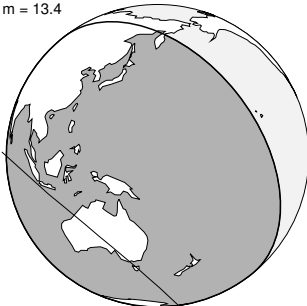
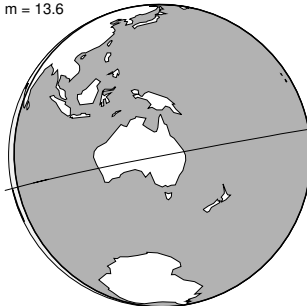
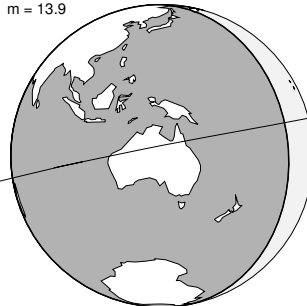
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<p>2021 jun 20 11h13.7m A21_06030 95 Arethusa UCAC4 358-074716 Diam = 145.0 m = 12.3</p> <p>Dur = 13.0s Dmag = 1.3 Sun: 147° Moon: 28°</p>	<p>2021 jun 20 16h19.2m A21_06077 293 Brasilia PPMX 13686422 Diam = 58.0 m = 14.2</p> <p>Dur = 4.3s Dmag = 2.0 Sun: 168° Moon: 59°</p>	<p>2021 jun 20 17h34.4m A21_06128 740 Cantabria UCAC4 360-186725 Diam = 94.5 m = 11.5</p> <p>Dur = 7.5s Dmag = 2.3 Sun: 163° Moon: 72°</p>	<p>2021 jun 20 21h 2.1m A21_06105 516 Amherstia UCAC4 423-141223 Diam = 75.7 m = 13.1</p> <p>Dur = 8.0s Dmag = 1.3 Sun: 101° Moon: 133°</p>
<p>2021 jun 21 9h50.9m A21_06052 139 Juewa Gaia 050-0421797 Diam = 164.0 m = 11.8</p> <p>Dur = 14.2s Dmag = 1.4 Sun: 162° Moon: 46°</p>	<p>2021 jun 22 10h13.0m A21_06055 154 Bertha UCAC4 202-177056 Diam = 192.0 m = 12.4</p> <p>Dur = 14.6s Dmag = 0.9 Sun: 152° Moon: 49°</p>	<p>2021 jun 22 11h51.4m A21_06133 884 Priamus UCAC4 307-215915 Diam = 72.1 m = 11.9</p> <p>Dur = 4.9s Dmag = 3.2 Sun: 173° Moon: 36°</p>	<p>2021 jun 22 11h53.9m A21_06074 267 Tirza UCAC4 341-080625 Diam = 53.6 m = 14.1</p> <p>Dur = 6.9s Dmag = 2.6 Sun: 155° Moon: 8°</p>
<p>2021 jun 22 13h22.4m A21_06170 2266 Tchaikovsky UCAC4 377-069335 Diam = 53.6 m = 17.0</p> <p>Dur = 6.2s Dmag = 5.0 Sun: 137° Moon: 12°</p>	<p>2021 jun 23 10h21.7m A21_06180 4715 1989TS1 UCAC4 221-130429 Diam = 57.5 m = 16.3</p> <p>Dur = 3.7s Dmag = 3.9 Sun: 154° Moon: 24°</p>	<p>2021 jun 23 11h 7.2m A21_06158 1596 Itzigsohn HIP 83850 Diam = 51.1 m = 15.0</p> <p>Dur = 3.8s Dmag = 5.3 Sun: 165° Moon: 6°</p>	<p>2021 jun 23 17h12.7m A21_06103 505 Cava TYC 6938-00620-1 Diam = 79.1 m = 13.6</p> <p>Dur = 12.6s Dmag = 1.4 Sun: 134° Moon: 60°</p>
<p>2021 jun 24 19h52.2m A21_06169 2241 Alcaathous UCAC4 322-095321 Diam = 123.0 m = 15.5</p> <p>Dur = 7.9s Dmag = 4.5 Sun: 163° Moon: 17°</p>	<p>2021 jun 25 8h34.9m B21_06005 55576 Amycus UCAC4 318-233046 Diam = 114.8 m = 13.3</p> <p>Dur = 5.4s Dmag = 8.1 Sun: 158° Moon: 13°</p>	<p>2021 jun 25 12h40.1m A21_06084 347 Pariana UCAC5 358-075164 Diam = 96.4 m = 12.6</p> <p>Dur = 11.6s Dmag = 0.8 Sun: 151° Moon: 39°</p>	<p>2021 jun 25 13h12.3m A21_06100 476 Hedwig FK6 5346 Diam = 121.0 m = 7.6</p> <p>Dur = 18.5s Dmag = 4.9 Sun: 137° Moon: 52°</p>

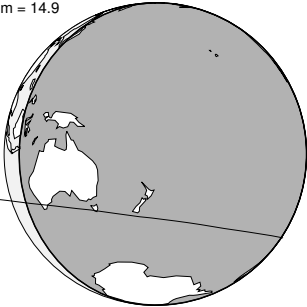
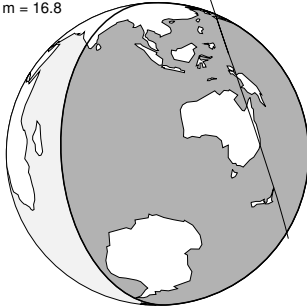
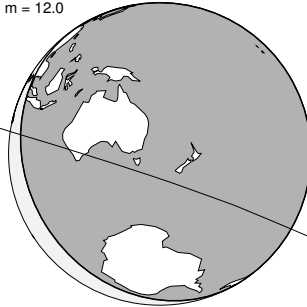
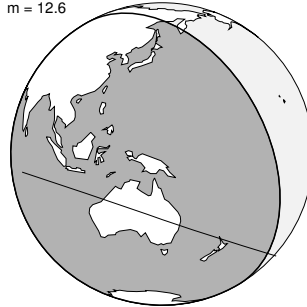
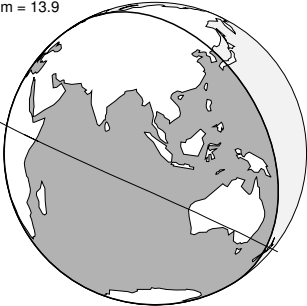
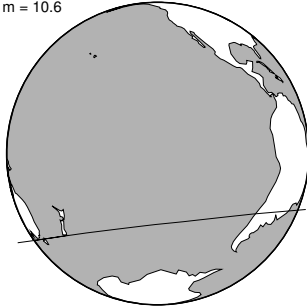
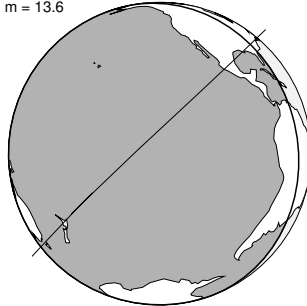
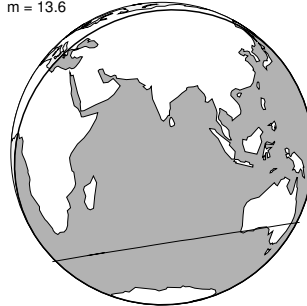
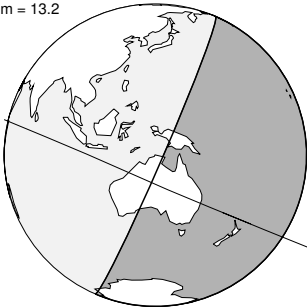
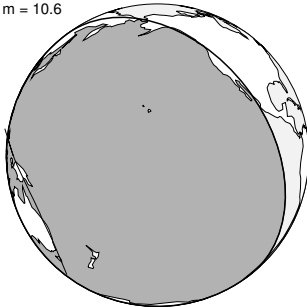
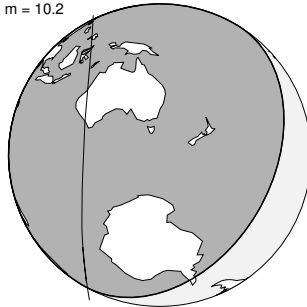
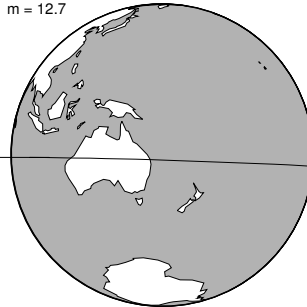
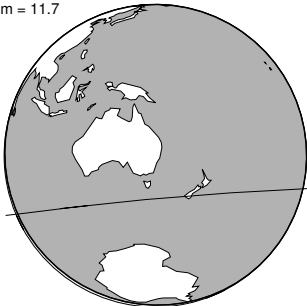
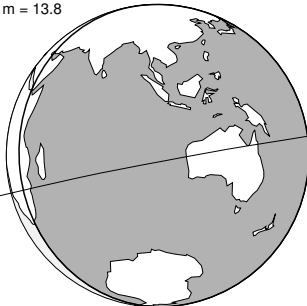
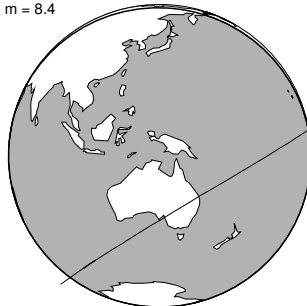
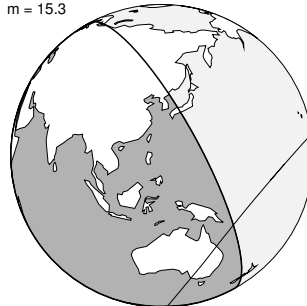
Occultations by major and minor planets – 2021

Region 8

<p>2021 jun 25 16h 6.6m A21_06161 1637 Swings UCAC5 232–154663 Diam = 49.7 m = 12.4 m = 15.1</p>  <p>Dur = 4.3s Dmag = 2.9 Sun: 158° Moon: 19°</p>	<p>2021 jun 25 16h45.4m A21_06160 1628 Strobel UCAC5 473–057518 Diam = 59.1 m = 12.5 m = 15.0</p>  <p>Dur = 5.0s Dmag = 2.6 Sun: 146° Moon: 44°</p>	<p>2021 jun 27 6h47.3m A21_06053 139 Juewa UCAC4 250–119203 Diam = 164.0 m = 12.3 m = 11.8</p>  <p>Dur = 14.8s Dmag = 0.6 Sun: 159° Moon: 46°</p>	<p>2021 jun 27 15h 4.9m A21_06081 338 Budrosa TYC 0578–00804–1 Diam = 62.1 m = 11.6 m = 13.8</p>  <p>Dur = 5.6s Dmag = 2.3 Sun: 102° Moon: 41°</p>
<p>2021 jun 29 9h12.7m A21_06130 758 Mancunia UCAC4 349–094222 Diam = 86.5 m = 12.3 m = 13.5</p>  <p>Dur = 6.3s Dmag = 1.5 Sun: 162° Moon: 78°</p>	<p>2021 jun 29 15h10.1m A21_06116 591 Irmgard TYC 6942–00882–1 Diam = 54.7 m = 12.1 m = 15.0</p>  <p>Dur = 7.1s Dmag = 2.9 Sun: 141° Moon: 27°</p>	<p>2021 jun 30 9h 1.4m A21_06078 293 Brasilia PPMX 13676745 Diam = 58.0 m = 12.3 m = 14.3</p>  <p>Dur = 4.5s Dmag = 2.1 Sun: 163° Moon: 82°</p>	<p>2021 jul 1 17h18.9m A21_07080 456 Abnoba UCAC4 411–067381 Diam = 43.1 m = 12.3 m = 12.5</p>  <p>Dur = 6.4s Dmag = 0.8 Sun: 152° Moon: 112°</p>
<p>2021 jul 2 12h54.9m A21_07028 78 Diana TYC 7413–01404–1 Diam = 116.0 m = 11.6 m = 12.5</p>  <p>Dur = 8.2s Dmag = 1.3 Sun: 169° Moon: 95°</p>	<p>2021 jul 2 13h46.8m A21_07137 1021 Flammario TYC 6286–00564–1 Diam = 103.0 m = 10.7 m = 13.0</p>  <p>Dur = 7.3s Dmag = 2.4 Sun: 173° Moon: 94°</p>	<p>2021 jul 2 17h13.6m A21_07039 92 Undina TYC 6890–01052–1 Diam = 132.0 m = 10.9 m = 10.8</p>  <p>Dur = 11.7s Dmag = 0.7 Sun: 166° Moon: 86°</p>	<p>2021 jul 2 17h56.7m A21_07156 2207 Antenor UCAC5 371–128806 Diam = 92.6 m = 12.4 m = 15.8</p>  <p>Dur = 5.7s Dmag = 3.4 Sun: 172° Moon: 102°</p>
<p>2021 jul 2 22h 7.0m A21_07042 114 Cassandra TYC 0646–00161–1 Diam = 103.0 m = 10.3 m = 14.1</p>  <p>Dur = 3.2s Dmag = 3.8 Sun: 58° Moon: 20°</p>	<p>2021 jul 3 16h10.8m A21_07112 714 Ulula TYC 0541–00491–1 Diam = 41.0 m = 11.3 m = 13.4</p>  <p>Dur = 5.6s Dmag = 2.3 Sun: 131° Moon: 68°</p>	<p>2021 jul 4 13h27.9m A21_07151 1248 Jugurtha UCAC4 317–118903 Diam = 47.9 m = 12.0 m = 13.6</p>  <p>Dur = 4.3s Dmag = 1.8 Sun: 164° Moon: 135°</p>	<p>2021 jul 4 17h22.7m A21_07085 469 Argentina UCAC5 334–198576 Diam = 129.0 m = 12.5 m = 13.9</p>  <p>Dur = 12.7s Dmag = 1.7 Sun: 146° Moon: 89°</p>

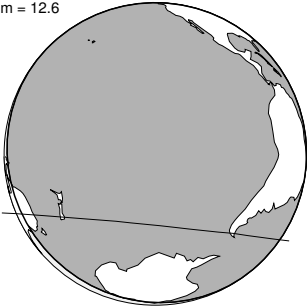
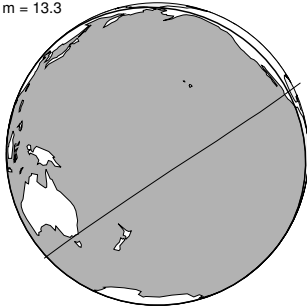
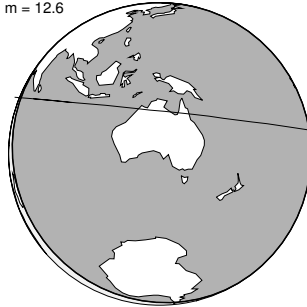
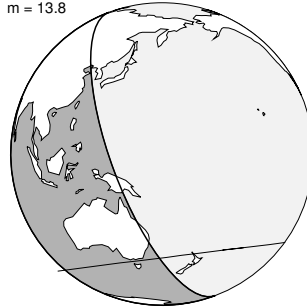
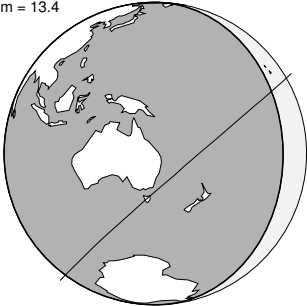
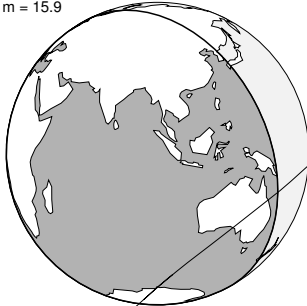
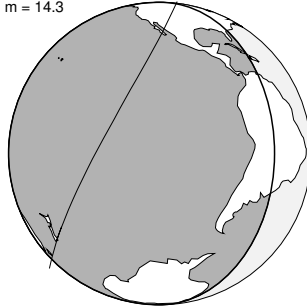
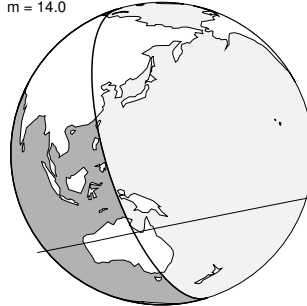
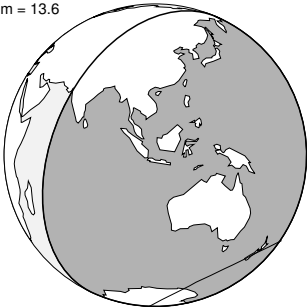
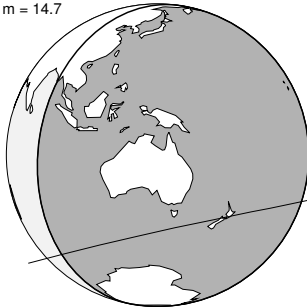
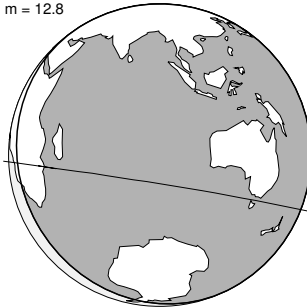
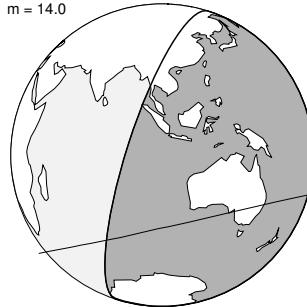
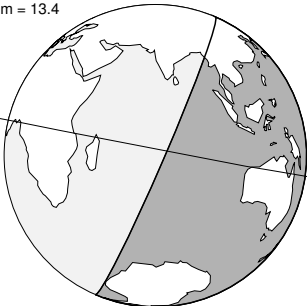
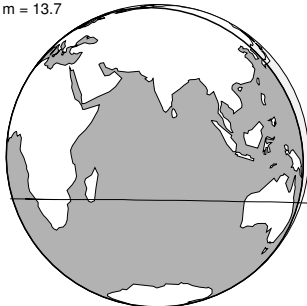
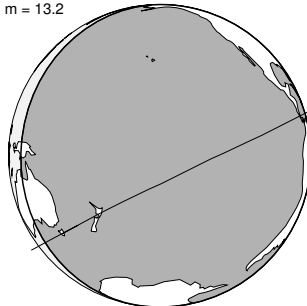
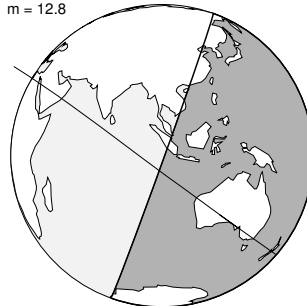
Occultations by major and minor planets – 2021

Region 8

<p>2021 jul 5 10h15.5m A21_07095 569 Misa TYC 6811-01921-1 Diam = 75.6 m = 11.1 m = 14.9</p>  <p>Dur = 6.7s Dmag = 3.8 Sun: 154° Moon: 155°</p>	<p>2021 jul 5 13h23.2m A21_07162 5120 Bitias UCAC5 242-076142 Diam = 52.5 m = 12.5 m = 16.8</p>  <p>Dur = 3.9s Dmag = 4.4 Sun: 129° Moon: 155°</p>	<p>2021 jul 6 11h52.1m A21_07047 139 Juewa UCAC4 252-112256 Diam = 164.0 m = 11.1 m = 12.0</p>  <p>Dur = 16.6s Dmag = 1.3 Sun: 152° Moon: 156°</p>	<p>2021 jul 6 17h13.8m A21_07054 217 Eudora TYC 5211-00191-1 Diam = 45.7 m = 9.9 m = 12.6</p>  <p>Dur = 19.5s Dmag = 2.8 Sun: 133° Moon: 97°</p>
<p>2021 jul 6 20h 2.9m A21_07083 466 Tisiphone TYC 5213-00391-1 Diam = 121.0 m = 12.5 m = 13.9</p>  <p>Dur = 11.2s Dmag = 1.7 Sun: 137° Moon: 102°</p>	<p>2021 jul 7 8h22.7m A21_07015 27 Euterpe UCAC4 334-187117 Diam = 124.0 m = 12.3 m = 10.6</p>  <p>Dur = 9.6s Dmag = 0.2 Sun: 175° Moon: 154°</p>	<p>2021 jul 7 10h27.0m A21_07126 850 Altona TYC 6335-00087-1 Diam = 84.5 m = 11.7 m = 13.6</p>  <p>Dur = 8.2s Dmag = 2.1 Sun: 155° Moon: 127°</p>	<p>2021 jul 8 18h 2.0m A21_07071 365 Corduba UCAC4 429-073232 Diam = 110.0 m = 11.0 m = 13.6</p>  <p>Dur = 8.8s Dmag = 2.7 Sun: 157° Moon: 159°</p>
<p>2021 jul 9 8h41.1m A21_07018 35 Leukothea UCAC4 394-052763 Diam = 108.0 m = 12.0 m = 13.2</p>  <p>Dur = 5.1s Dmag = 1.5 Sun: 87° Moon: 95°</p>	<p>2021 jul 9 12h35.2m A21_07032 80 Sappho TYC 0546-01035-1 Diam = 81.7 m = 12.0 m = 10.6</p>  <p>Dur = 23.6s Dmag = 0.3 Sun: 137° Moon: 131°</p>	<p>2021 jul 9 16h33.6m A21_07066 344 Desiderata TYC 8443-00477-1 Diam = 138.0 m = 12.1 m = 10.2</p>  <p>Dur = 22.6s Dmag = 0.2 Sun: 138° Moon: 139°</p>	<p>2021 jul 10 13h14.5m A21_07020 38 Leda UCAC4 327-176802 Diam = 120.0 m = 10.6 m = 12.7</p>  <p>Dur = 8.5s Dmag = 2.2 Sun: 175° Moon: 170°</p>
<p>2021 jul 10 13h39.0m A21_07034 83 Beatrix TYC 7409-02039-1 Diam = 84.0 m = 10.5 m = 11.7</p>  <p>Dur = 8.5s Dmag = 1.5 Sun: 169° Moon: 167°</p>	<p>2021 jul 11 15h36.3m A21_07152 1248 Jugurtha UCAC5 316-110670 Diam = 47.9 m = 12.5 m = 13.8</p>  <p>Dur = 4.9s Dmag = 1.6 Sun: 156° Moon: 138°</p>	<p>2021 jul 13 15h12.8m A21_07007 6 Hebe UCAC4 401-117033 Diam = 186.0 m = 12.1 m = 8.4</p>  <p>Dur = 17.7s Dmag = 0.0 Sun: 167° Moon: 139°</p>	<p>2021 jul 13 20h 5.2m A21_07142 1031 Arctica UCAC5 535-141406 Diam = 78.0 m = 12.5 m = 15.3</p>  <p>Dur = 10.0s Dmag = 2.9 Sun: 104° Moon: 143°</p>

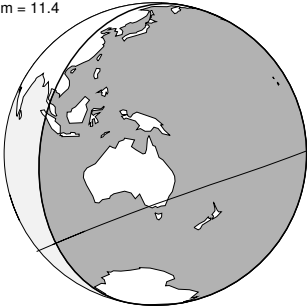
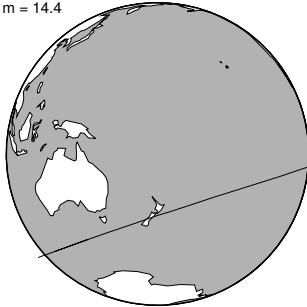
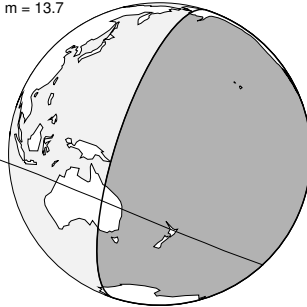
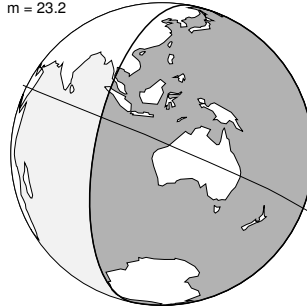
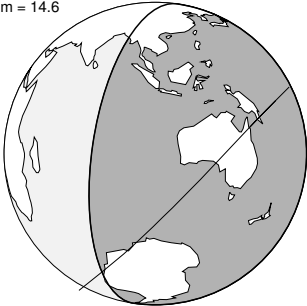
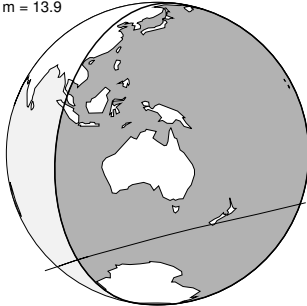
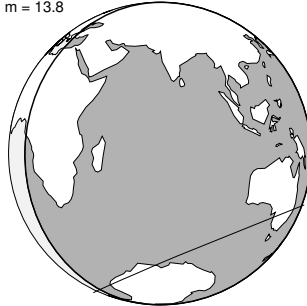
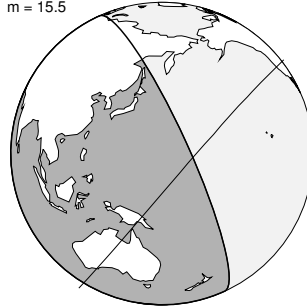
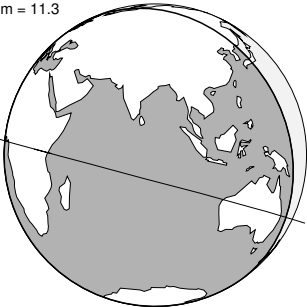
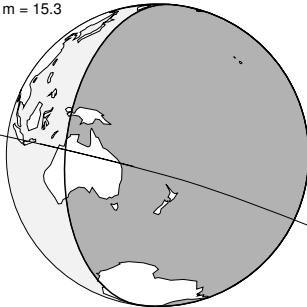
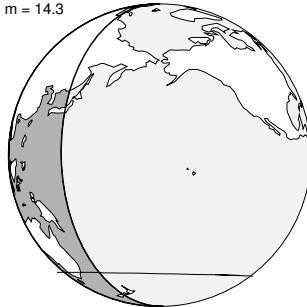
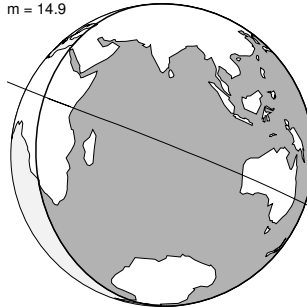
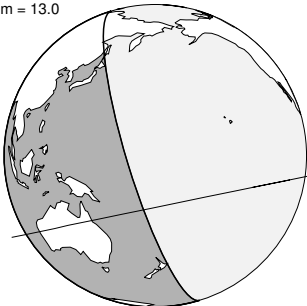
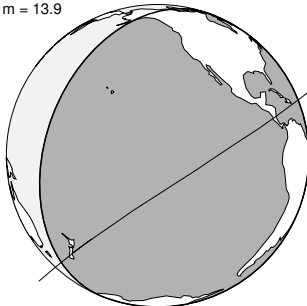
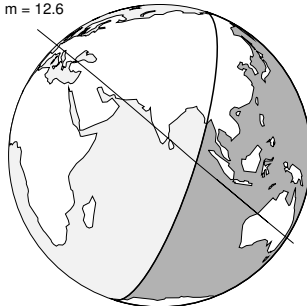
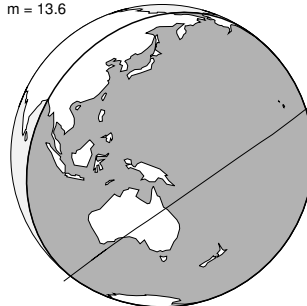
Occultations by major and minor planets – 2021

Region 8

<p>2021 jul 14 7h56.3m A21_07030 78 Diana UCAC4 286–198831 Diam = 116.0 m = 12.5 m = 12.6</p>  <p>Dur = 8.5s Dmag = 0.8 Sun: 164° Moon: 118°</p>	<p>2021 jul 15 12h12.2m A21_07124 780 Armenia TYC 5175–00589–1 Diam = 97.1 m = 11.5 m = 13.3</p>  <p>Dur = 8.1s Dmag = 1.9 Sun: 161° Moon: 127°</p>	<p>2021 jul 15 14h15.3m A21_07029 78 Diana UCAC4 286–198217 Diam = 116.0 m = 11.9 m = 12.6</p>  <p>Dur = 8.6s Dmag = 1.2 Sun: 163° Moon: 101°</p>	<p>2021 jul 15 20h45.3m A21_07069 360 Carlova TYC 0054–00306–1 Diam = 121.0 m = 10.9 m = 13.8</p>  <p>Dur = 4.1s Dmag = 2.9 Sun: 70° Moon: 140°</p>
<p>2021 jul 16 16h23.0m A21_07089 488 Kreusa TYC 6954–01527–1 Diam = 158.0 m = 8.5 m = 13.4</p>  <p>Dur = 13.0s Dmag = 4.9 Sun: 147° Moon: 130°</p>	<p>2021 jul 16 20h21.3m A21_07154 1614 Goldschmidt UCAC4 433–120582 Diam = 49.5 m = 12.3 m = 15.9</p>  <p>Dur = 7.4s Dmag = 3.6 Sun: 136° Moon: 139°</p>	<p>2021 jul 17 10h31.6m A21_07077 448 Natalie TYC 6970–00980–1 Diam = 49.7 m = 11.1 m = 14.3</p>  <p>Dur = 9.7s Dmag = 3.2 Sun: 139° Moon: 125°</p>	<p>2021 jul 17 21h25.7m A21_07043 114 Kassandra UCAC4 520–005117 Diam = 103.0 m = 12.4 m = 14.0</p>  <p>Dur = 3.8s Dmag = 1.8 Sun: 68° Moon: 164°</p>
<p>2021 jul 18 13h50.1m A21_07088 485 Genua TYC 5058–01213–1 Diam = 68.2 m = 11.0 m = 13.6</p>  <p>Dur = 9.3s Dmag = 2.6 Sun: 133° Moon: 34°</p>	<p>2021 jul 19 12h12.1m A21_07143 1107 Lictoria UCAC4 353–091210 Diam = 81.0 m = 11.7 m = 14.7</p>  <p>Dur = 9.1s Dmag = 3.1 Sun: 142° Moon: 25°</p>	<p>2021 jul 20 16h37.6m A21_07031 78 Diana TYC 7411–04356–1 Diam = 116.0 m = 10.6 m = 12.8</p>  <p>Dur = 9.1s Dmag = 2.3 Sun: 158° Moon: 28°</p>	<p>2021 jul 22 11h52.4m A21_07105 686 Gersuind UCAC4 380–068333 Diam = 44.1 m = 12.2 m = 14.0</p>  <p>Dur = 4.6s Dmag = 2.0 Sun: 103° Moon: 55°</p>
<p>2021 jul 22 12h24.7m A21_07052 174 Phaedra TYC 6119–00825–1 Diam = 71.7 m = 9.1 m = 13.4</p>  <p>Dur = 3.6s Dmag = 4.3 Sun: 86° Moon: 72°</p>	<p>2021 jul 22 20h14.9m A21_07098 607 Jenny TYC 5772–00160–1 Diam = 65.5 m = 11.7 m = 13.7</p>  <p>Dur = 5.8s Dmag = 2.2 Sun: 160° Moon: 37°</p>	<p>2021 jul 25 8h38.4m A21_07141 1021 Flammario UCAC5 352–135459 Diam = 103.0 m = 12.4 m = 13.2</p>  <p>Dur = 8.0s Dmag = 1.2 Sun: 156° Moon: 40°</p>	<p>2021 jul 25 11h13.4m A21_07068 346 Hermentaria UCAC4 419–058087 Diam = 110.0 m = 11.1 m = 12.8</p>  <p>Dur = 6.8s Dmag = 2.0 Sun: 89° Moon: 109°</p>

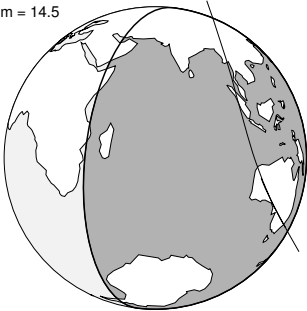
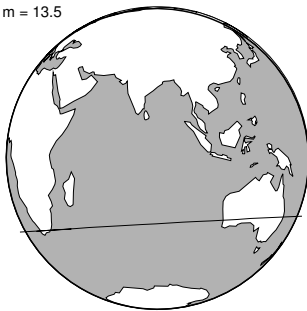
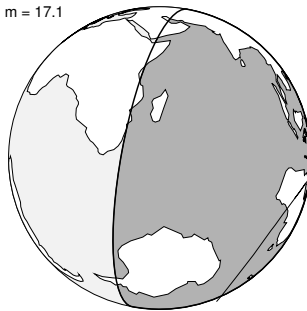
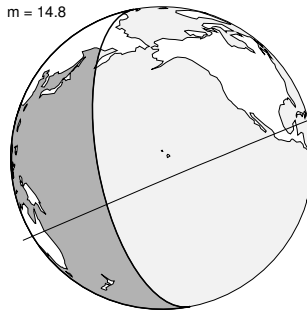
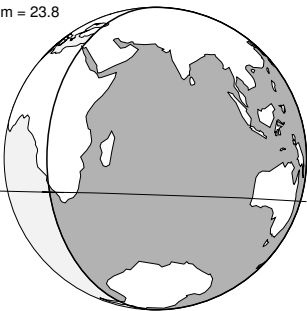
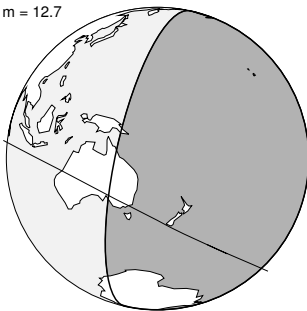
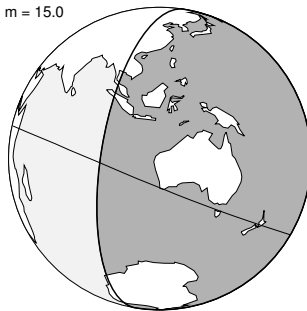
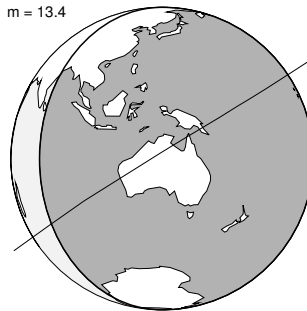
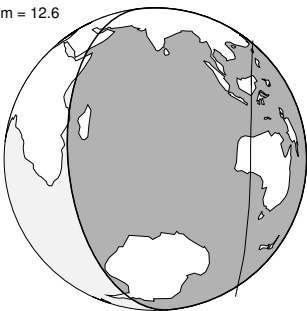
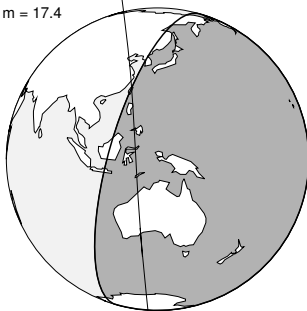
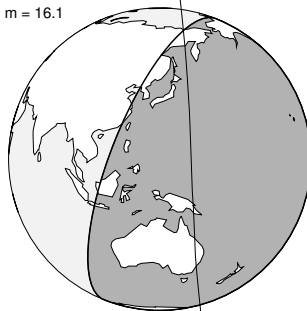
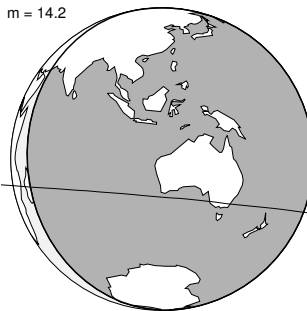
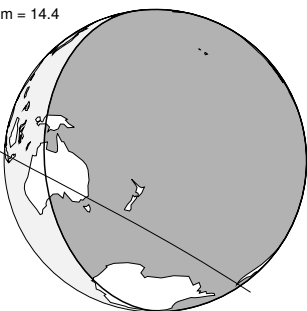
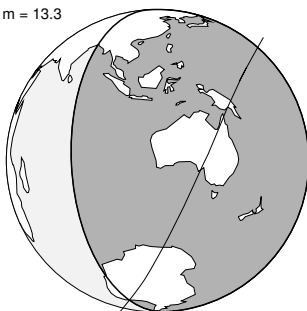
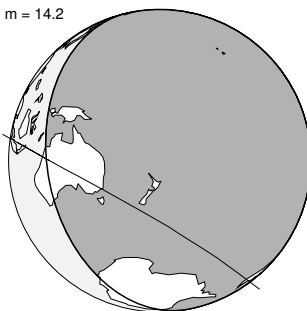
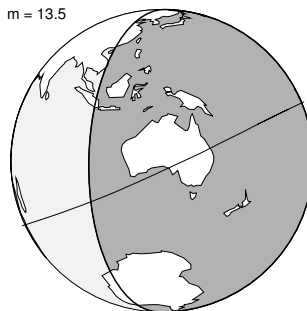
Occultations by major and minor planets – 2021

Region 8

<p>2021 jul 25 11h36.2m A21_07005 5 Astraea UCAC4 362-093413 Diam = 125.0 m = 11.2 m = 11.4</p>  <p>Dur = 19.5s Dmag = 0.9 Sun: 139° Moon: 59°</p>	<p>2021 jul 25 12h37.0m A21_07116 738 Alagasta TYC 6333-01175-1 Diam = 64.8 m = 9.6 m = 14.4</p>  <p>Dur = 5.1s Dmag = 4.8 Sun: 176° Moon: 17°</p>	<p>2021 jul 26 7h48.9m A21_07090 510 Mabella TYC 5594-00906-1 Diam = 59.3 m = 11.3 m = 13.7</p>  <p>Dur = 6.2s Dmag = 2.6 Sun: 107° Moon: 102°</p>	<p>2021 jul 26 11h41.9m A21_07164 2013JU63 UCAC4 337-076208 Diam = 138.0 m = 12.0 m = 23.2</p>  <p>Dur = 18.2s Dmag = 11.1 Sun: 116° Moon: 94°</p>
<p>2021 jul 26 12h20.3m A21_07150 1240 Centenaria TYC 7314-00065-1 Diam = 60.5 m = 9.6 m = 14.6</p>  <p>Dur = 9.4s Dmag = 5.0 Sun: 114° Moon: 95°</p>	<p>2021 jul 27 11h33.4m A21_07121 758 Mancunia UCAC4 347-086489 Diam = 86.5 m = 12.1 m = 13.9</p>  <p>Dur = 14.5s Dmag = 2.0 Sun: 132° Moon: 91°</p>	<p>2021 jul 27 17h23.4m A21_07118 740 Cantabia UCAC4 348-147737 Diam = 94.5 m = 11.5 m = 13.8</p>  <p>Dur = 8.8s Dmag = 2.5 Sun: 153° Moon: 73°</p>	<p>2021 jul 27 18h36.1m A21_07100 648 Pippa TYC 1199-01061-1 Diam = 70.5 m = 11.7 m = 15.5</p>  <p>Dur = 5.8s Dmag = 3.8 Sun: 100° Moon: 36°</p>
<p>2021 jul 28 20h 5.7m A21_07027 71 Niobe UCAC5 423-131423 Diam = 87.3 m = 12.4 m = 11.3</p>  <p>Dur = 6.7s Dmag = 0.3 Sun: 151° Moon: 33°</p>	<p>2021 jul 30 9h 6.2m A21_07096 569 Misa UCAC4 333-088291 Diam = 75.6 m = 12.4 m = 15.3</p>  <p>Dur = 24.0s Dmag = 3.0 Sun: 127° Moon: 129°</p>	<p>2021 jul 30 19h52.1m A21_07104 683 Lanzia TYC 1853-00911-1 Diam = 116.0 m = 9.4 m = 14.3</p>  <p>Dur = 3.4s Dmag = 4.9 Sun: 49° Moon: 49°</p>	<p>2021 jul 31 16h35.7m A21_07147 1194 Aletta PPMX 12711047 Diam = 56.8 m = 12.3 m = 14.9</p>  <p>Dur = 6.7s Dmag = 2.6 Sun: 146° Moon: 125°</p>
<p>2021 jul 31 19h12.1m A21_07091 521 Brixia UCAC5 489-004362 Diam = 103.0 m = 12.5 m = 13.0</p>  <p>Dur = 3.9s Dmag = 1.1 Sun: 79° Moon: 11°</p>	<p>2021 aug 1 6h29.9m A21_08067 365 Corduba UCAC4 422-074058 Diam = 110.0 m = 12.3 m = 13.9</p>  <p>Dur = 12.9s Dmag = 1.9 Sun: 138° Moon: 134°</p>	<p>2021 aug 1 12h 6.2m A21_08079 511 Davida UCAC4 469-048253 Diam = 337.0 m = 12.4 m = 12.6</p>  <p>Dur = 14.3s Dmag = 0.9 Sun: 75° Moon: 152°</p>	<p>2021 aug 1 12h31.6m A21_08077 491 Carina UCAC4 455-081807 Diam = 101.0 m = 11.7 m = 13.6</p>  <p>Dur = 8.0s Dmag = 2.1 Sun: 146° Moon: 122°</p>

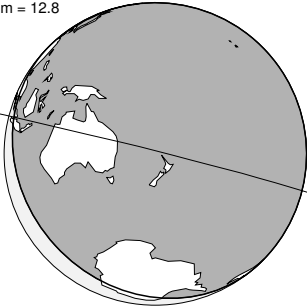
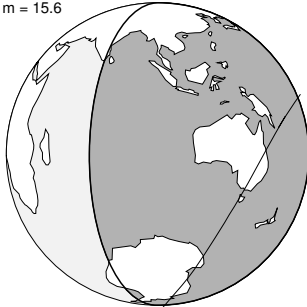
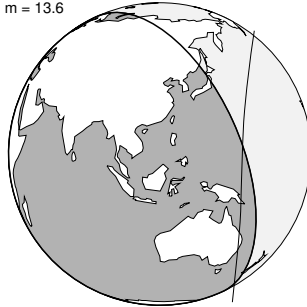
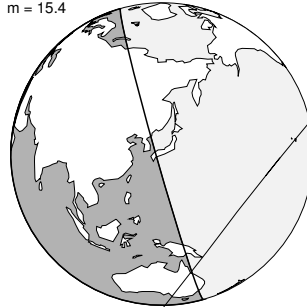
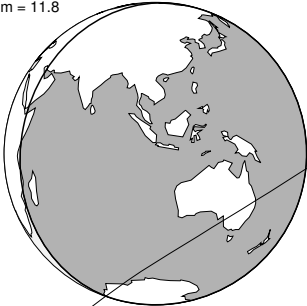
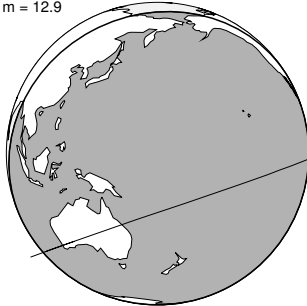
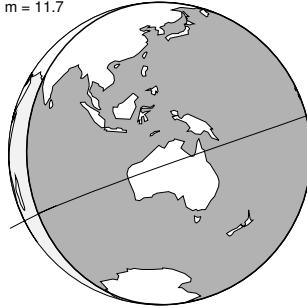
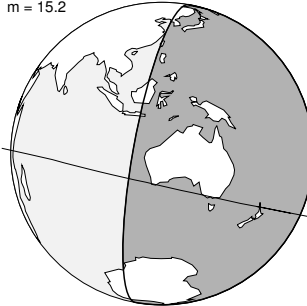
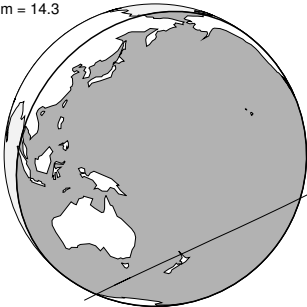
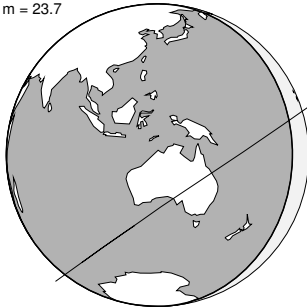
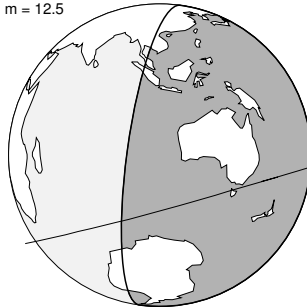
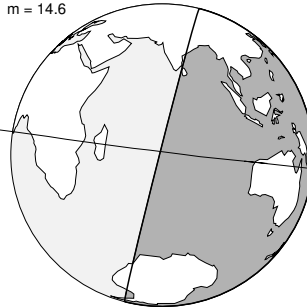
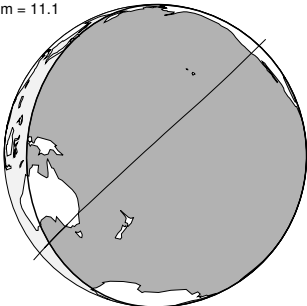
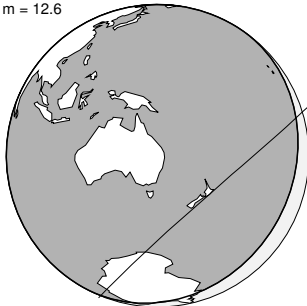
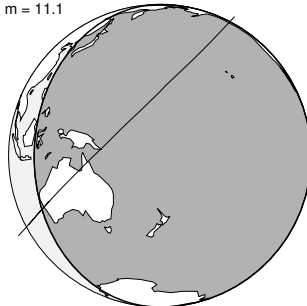
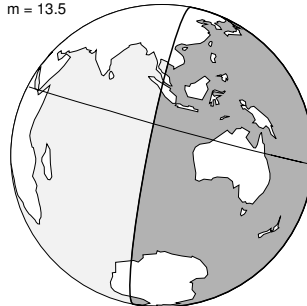
Occultations by major and minor planets – 2021

Region 8

<p>2021 aug 2 15h 9.3m A21_08135 1303 Luthera UCAC4 316-086871 Diam = 88.8 m = 12.3 m = 14.5</p>  <p>Dur = 22.8s Dmag = 2.3 Sun: 117° Moon: 172°</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 3 15h18.1m A21_08149 5120 Bitias TYC 7822-02347-1 Diam = 52.5 m = 9.6 m = 17.1</p>  <p>Dur = 3.8s Dmag = 7.5 Sun: 104° Moon: 154°</p>	<p>2021 aug 3 18h 4.4m A21_08125 1093 Freda PPMX 5919174 Diam = 120.0 m = 12.5 m = 14.8</p>  <p>Dur = 4.6s Dmag = 2.5 Sun: 64° Moon: 10°</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 5 8h 3.9m A21_08037 128 Nemesis UCAC4 349-075528 Diam = 194.0 m = 11.7 m = 12.7</p>  <p>Dur = 26.0s Dmag = 1.4 Sun: 106° Moon: 144°</p>	<p>2021 aug 5 11h35.0m A21_08056 267 Tirza TYC 6793-00562-1 Diam = 53.6 m = 11.6 m = 15.0</p>  <p>Dur = 7.6s Dmag = 3.4 Sun: 112° Moon: 149°</p>	<p>2021 aug 5 12h46.2m A21_08123 1021 Flammario PPMX 11671153 Diam = 103.0 m = 12.5 m = 13.4</p>  <p>Dur = 10.0s Dmag = 1.3 Sun: 144° Moon: 175°</p>
<p>2021 aug 5 15h 7.4m A21_08038 139 Juewa TYC 7869-00219-1 Diam = 164.0 m = 11.8 m = 12.6</p>  <p>Dur = 32.0s Dmag = 1.3 Sun: 125° Moon: 158°</p>	<p>2021 aug 7 10h31.5m A21_08148 4832 Palinurus UCAC4 434-064790 Diam = 45.7 m = 12.3 m = 17.4</p>  <p>Dur = 4.4s Dmag = 5.1 Sun: 108° Moon: 120°</p>	<p>2021 aug 7 10h43.4m A21_08130 1263 Varsavia TYC 0970-00474-1 Diam = 50.7 m = 10.8 m = 16.1</p>  <p>Dur = 3.4s Dmag = 5.3 Sun: 108° Moon: 117°</p>	<p>2021 aug 7 14h27.4m A21_08085 543 Charlotte UCAC4 341-186028 Diam = 44.2 m = 12.1 m = 14.2</p>  <p>Dur = 4.2s Dmag = 2.2 Sun: 152° Moon: 164°</p>
<p>2021 aug 8 8h51.7m A21_08104 696 Leonora UCAC5 311-164571 Diam = 79.3 m = 12.3 m = 14.4</p>  <p>Dur = 8.9s Dmag = 2.2 Sun: 137° Moon: 140°</p>	<p>2021 aug 10 12h26.2m A21_08050 227 Philosophia TYC 7379-00122-1 Diam = 90.1 m = 12.3 m = 13.3</p>  <p>Dur = 16.2s Dmag = 1.4 Sun: 124° Moon: 102°</p>	<p>2021 aug 12 9h22.2m A21_08083 524 Fidelio TYC 6870-00824-1 Diam = 74.0 m = 10.8 m = 14.2</p>  <p>Dur = 11.2s Dmag = 3.4 Sun: 138° Moon: 91°</p>	<p>2021 aug 12 11h 3.0m A21_08052 231 Vindobona UCAC5 303-114299 Diam = 85.1 m = 12.3 m = 13.5</p>  <p>Dur = 14.7s Dmag = 1.5 Sun: 118° Moon: 71°</p>

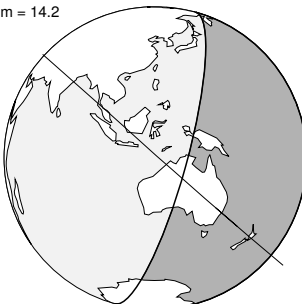
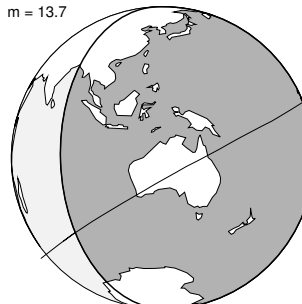
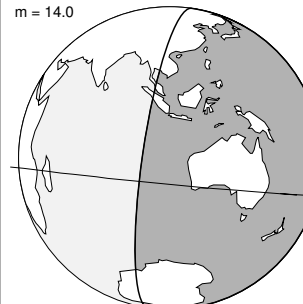
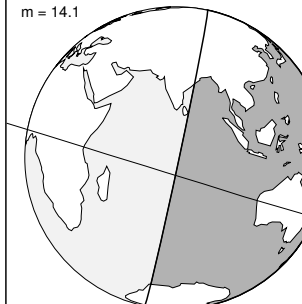
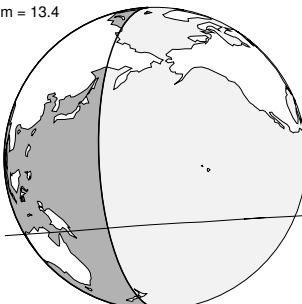
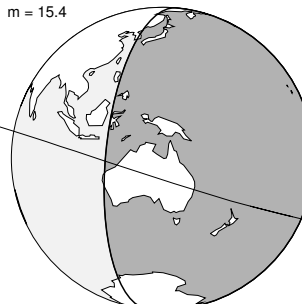
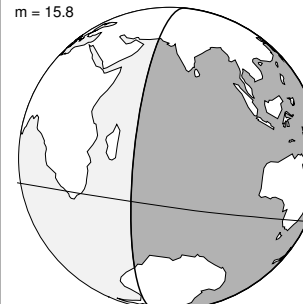
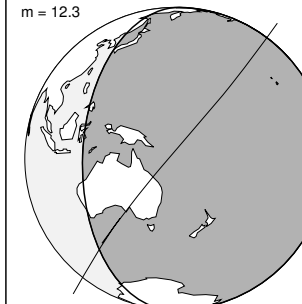
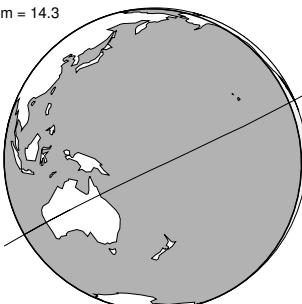
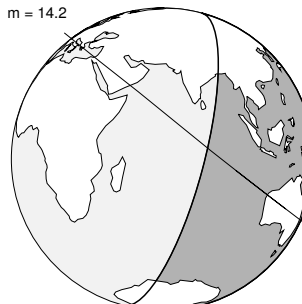
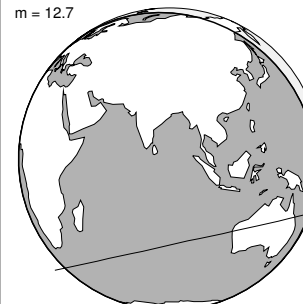
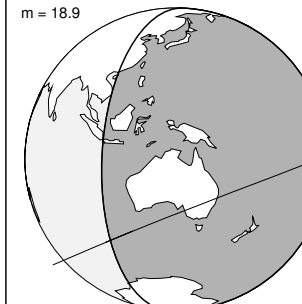
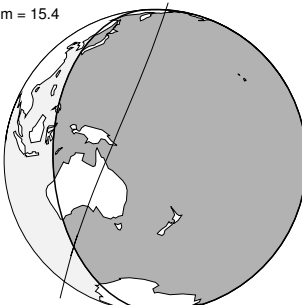
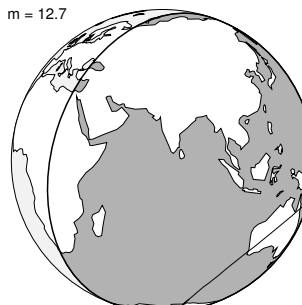
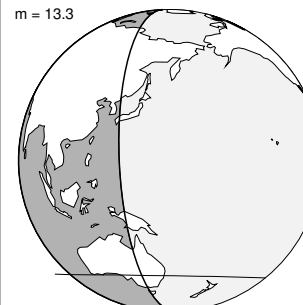
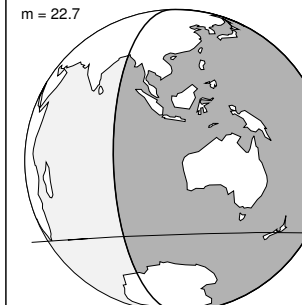
Occultations by major and minor planets – 2021

Region 8

<p>2021 aug 12 11h26.5m A21_08068 372 Palma UCAC4 280-218530 Diam = 195.0 m = 10.9 m = 12.8</p>  <p>Dur = 12.1s Dmag = 2.0 Sun: 153° Moon: 109°</p>	<p>2021 aug 13 13h 1.8m A21_08102 671 Carnegia UCAC4 287-109622 Diam = 63.7 m = 12.4 m = 15.6</p>  <p>Dur = 14.6s Dmag = 3.2 Sun: 116° Moon: 56°</p>	<p>2021 aug 13 19h52.9m A21_08059 325 Heidelberga PPMX 6816479 Diam = 78.0 m = 12.2 m = 13.6</p>  <p>Dur = 18.1s Dmag = 1.6 Sun: 121° Moon: 169°</p>	<p>2021 aug 13 20h36.9m A21_08096 624 Hektor TYC 2347-00478-1 Diam = 132.4 m = 10.5 m = 15.4</p>  <p>Dur = 8.1s Dmag = 4.9 Sun: 87° Moon: 148°</p>
<p>2021 aug 14 15h13.2m A21_08055 236 Honoria TYC 5728-02139-1 Diam = 90.5 m = 10.7 m = 11.8</p>  <p>Dur = 11.7s Dmag = 1.5 Sun: 152° Moon: 78°</p>	<p>2021 aug 15 12h22.5m A21_08107 714 Ulula UCAC4 482-125943 Diam = 41.0 m = 12.0 m = 12.9</p>  <p>Dur = 3.6s Dmag = 1.3 Sun: 156° Moon: 87°</p>	<p>2021 aug 15 13h38.6m A21_08036 124 Alkeste TYC 6303-01057-1 Diam = 79.5 m = 11.4 m = 11.7</p>  <p>Dur = 11.6s Dmag = 0.9 Sun: 151° Moon: 63°</p>	<p>2021 aug 16 10h26.6m A21_08072 425 Cornelia UCAC4 336-080104 Diam = 66.8 m = 12.1 m = 15.2</p>  <p>Dur = 5.8s Dmag = 3.2 Sun: 101° Moon: 2°</p>
<p>2021 aug 16 11h40.8m A21_08101 663 Gerlinde TYC 0503-01717-1 Diam = 104.0 m = 11.1 m = 14.3</p>  <p>Dur = 8.4s Dmag = 3.3 Sun: 149° Moon: 63°</p>	<p>2021 aug 16 17h28.2m B21_08005 2004PS107 UCAC4 371-186665 Diam = 125.9 m = 12.8 m = 23.7</p>  <p>Dur = 5.5s Dmag = 10.9 Sun: 153° Moon: 100°</p>	<p>2021 aug 17 11h25.7m A21_08030 101 Helena TYC 7347-00925-1 Diam = 68.3 m = 9.3 m = 12.5</p>  <p>Dur = 5.6s Dmag = 3.3 Sun: 102° Moon: 16°</p>	<p>2021 aug 17 12h53.3m A21_08048 195 Eurykleia UCAC4 321-078686 Diam = 89.0 m = 12.3 m = 14.6</p>  <p>Dur = 5.5s Dmag = 2.4 Sun: 90° Moon: 25°</p>
<p>2021 aug 18 9h17.5m A21_08065 354 Eleonora UCAC4 381-155619 Diam = 162.0 m = 12.4 m = 11.1</p>  <p>Dur = 13.7s Dmag = 0.3 Sun: 148° Moon: 25°</p>	<p>2021 aug 19 15h31.3m A21_08049 199 Byblis UCAC4 313-264073 Diam = 63.0 m = 11.9 m = 12.6</p>  <p>Dur = 5.6s Dmag = 1.1 Sun: 154° Moon: 53°</p>	<p>2021 aug 20 10h 9.4m A21_08066 354 Eleonora TYC 5735-01293-1 Diam = 162.0 m = 9.5 m = 11.1</p>  <p>Dur = 14.3s Dmag = 1.8 Sun: 146° Moon: 13°</p>	<p>2021 aug 20 11h22.3m A21_08103 674 Rachele TYC 6783-02682-1 Diam = 101.0 m = 11.3 m = 13.5</p>  <p>Dur = 9.0s Dmag = 2.4 Sun: 95° Moon: 58°</p>

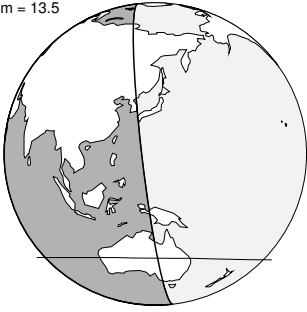
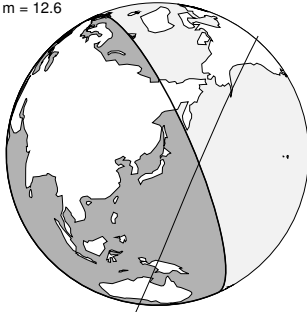
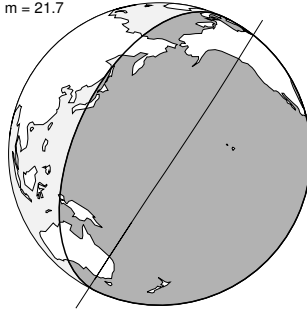
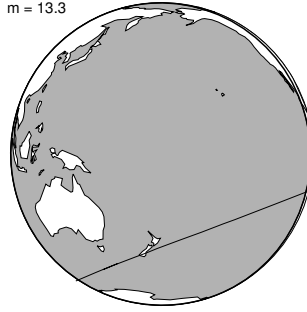
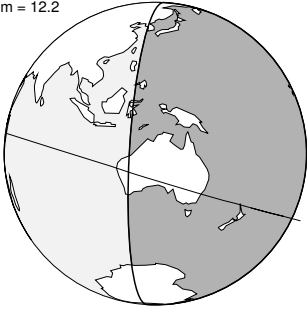
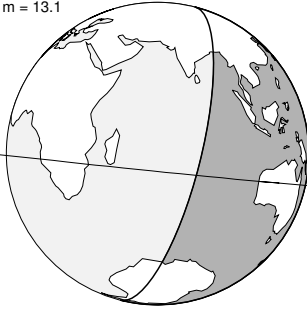
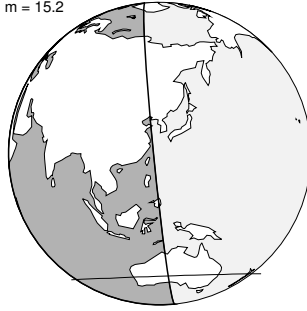
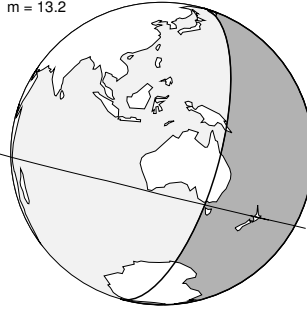
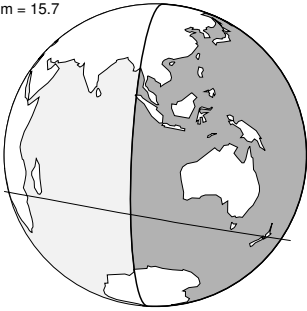
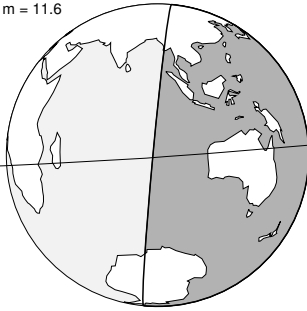
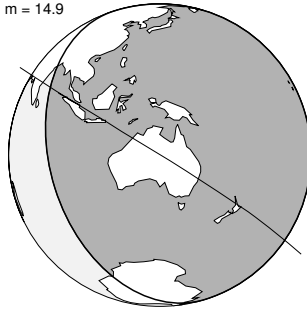
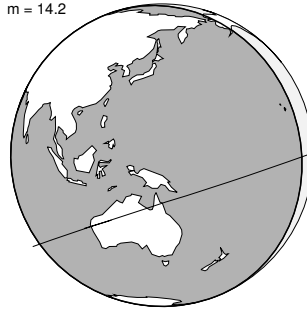
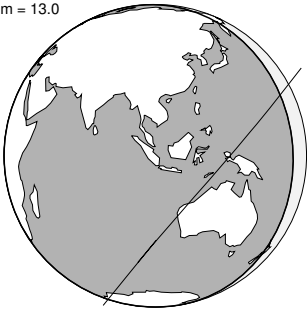
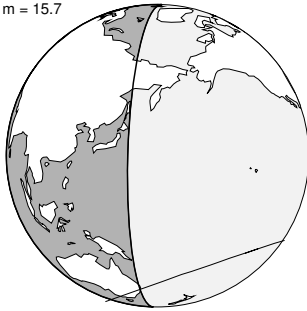
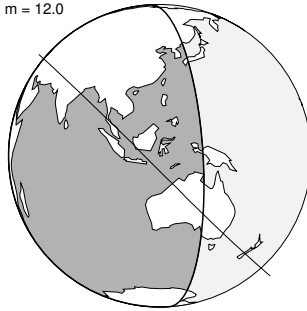
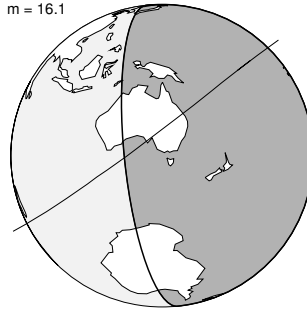
Occultations by major and minor planets – 2021

Region 8

<p>2021 aug 21 8h57.3m A21_08045 164 Eva PPMX 10511986 Diam = 110.0 m = 11.9 m = 14.2</p>  <p>Dur = 5.4s Dmag = 2.4 Sun: 77° Moon: 88°</p>	<p>2021 aug 21 12h16.0m A21_08043 159 Aemilia UCAC5 349-145346 Diam = 131.0 m = 12.2 m = 13.7</p>  <p>Dur = 24.1s Dmag = 1.7 Sun: 132° Moon: 36°</p>	<p>2021 aug 22 11h24.8m A21_08047 184 Dejopeja UCAC4 335-084777 Diam = 68.2 m = 11.2 m = 14.0</p>  <p>Dur = 6.0s Dmag = 2.8 Sun: 100° Moon: 79°</p>	<p>2021 aug 22 12h40.2m A21_08078 510 Mabella UCAC4 399-060205 Diam = 59.3 m = 12.3 m = 14.1</p>  <p>Dur = 3.1s Dmag = 1.9 Sun: 88° Moon: 92°</p>
<p>2021 aug 22 19h 8.1m A21_08088 554 Peraga UCAC4 578-015591 Diam = 98.5 m = 11.8 m = 13.4</p>  <p>Dur = 3.2s Dmag = 1.9 Sun: 68° Moon: 108°</p>	<p>2021 aug 23 10h 4.1m A21_08128 1200 Imperatrix UCAC4 362-093481 Diam = 42.0 m = 11.7 m = 15.4</p>  <p>Dur = 5.8s Dmag = 3.8 Sun: 112° Moon: 80°</p>	<p>2021 aug 23 14h 0.8m A21_08124 1028 Lydina UCAC4 315-094551 Diam = 76.3 m = 11.9 m = 15.8</p>  <p>Dur = 10.7s Dmag = 3.9 Sun: 103° Moon: 89°</p>	<p>2021 aug 24 9h52.4m A21_08017 48 Doris UCAC4 374-134154 Diam = 219.0 m = 11.6 m = 12.3</p>  <p>Dur = 51.2s Dmag = 1.2 Sun: 128° Moon: 76°</p>
<p>2021 aug 24 13h48.8m A21_08129 1247 Memoria TYC 5246-00142-1 Diam = 40.6 m = 11.5 m = 14.3</p>  <p>Dur = 4.4s Dmag = 2.9 Sun: 163° Moon: 10°</p>	<p>2021 aug 26 12h24.9m A21_08046 164 Eva UCAC4 382-067427 Diam = 110.0 m = 11.7 m = 14.2</p>  <p>Dur = 4.9s Dmag = 2.6 Sun: 74° Moon: 154°</p>	<p>2021 aug 26 19h14.0m A21_08062 338 Budrosa TYC 0580-00594-1 Diam = 62.1 m = 10.0 m = 12.7</p>  <p>Dur = 5.9s Dmag = 2.8 Sun: 159° Moon: 34°</p>	<p>2021 aug 27 10h53.6m B21_08002 50000 Quaoar UCAC4 374-115664 Diam = 1110.0 m = 14.3 m = 18.9</p>  <p>Dur = 107.7s Dmag = 4.6 Sun: 119° Moon: 119°</p>
<p>2021 aug 29 9h45.6m A21_08127 1191 Alfaterna UCAC4 365-170995 Diam = 45.6 m = 11.6 m = 15.4</p>  <p>Dur = 5.8s Dmag = 3.9 Sun: 132° Moon: 127°</p>	<p>2021 aug 30 16h22.7m A21_08114 790 Pretoria TYC 0488-02009-1 Diam = 176.0 m = 9.9 m = 12.7</p>  <p>Dur = 27.3s Dmag = 2.9 Sun: 136° Moon: 125°</p>	<p>2021 aug 30 20h49.7m A21_08012 17 Thetis UCAC5 545-018278 Diam = 93.2 m = 12.5 m = 13.3</p>  <p>Dur = 3.7s Dmag = 1.3 Sun: 70° Moon: 14°</p>	<p>2021 sep 1 12h 9.4m B21_09001 88268 2001KK76 UCAC4 332-136055 Diam = 229.1 m = 14.1 m = 22.7</p>  <p>Dur = 31.8s Dmag = 8.5 Sun: 114° Moon: 178°</p>

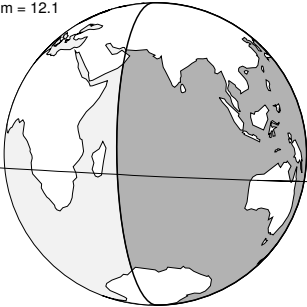
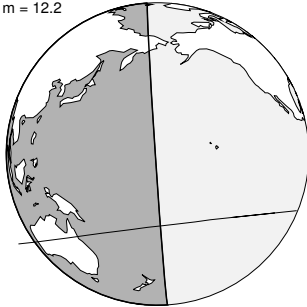
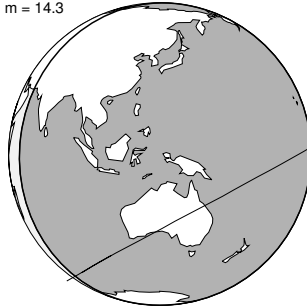
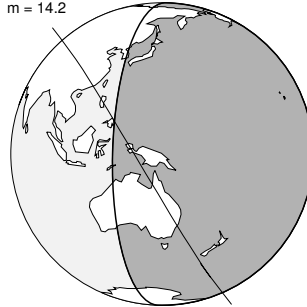
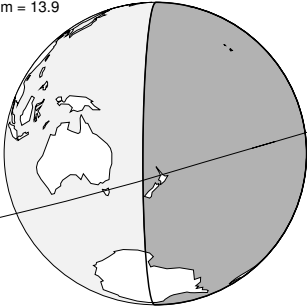
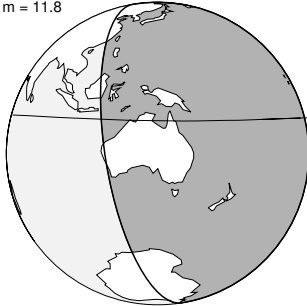
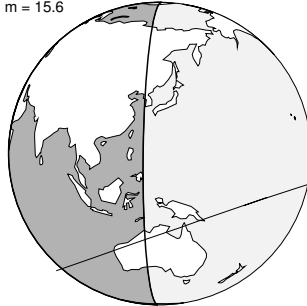
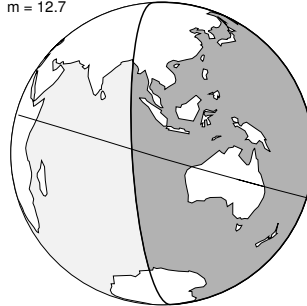
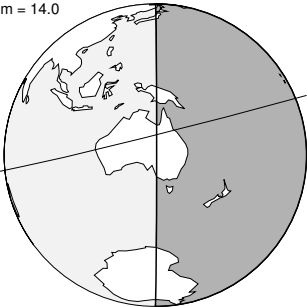
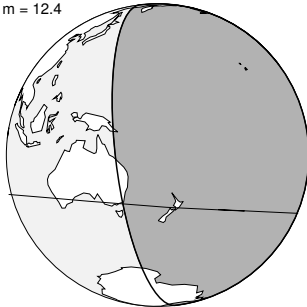
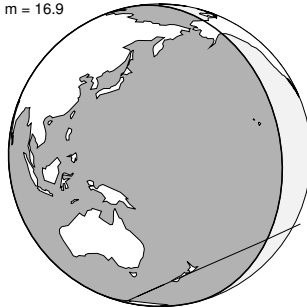
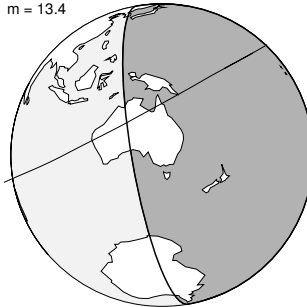
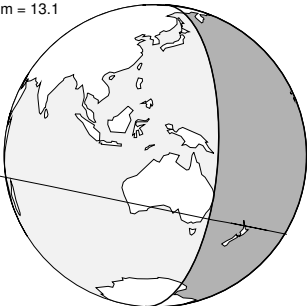
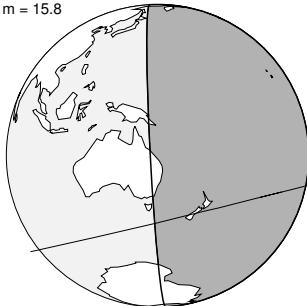
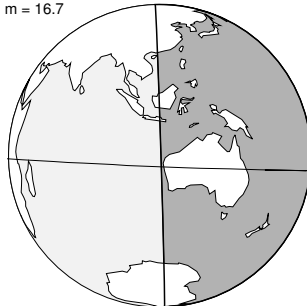
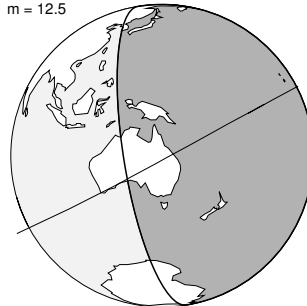
Occultations by major and minor planets – 2021

Region 8

<p>2021 sep 1 20h58.5m A21_09059 308 Polyxo UCAC4 546-011532 Diam = 148.0 m = 12.2 m = 13.5</p>  <p>Dur = 8.0s Dmag = 1.6 Sun: 84° Moon: 24°</p>	<p>2021 sep 3 19h 1.4m A21_09100 626 Notburga UCAC4 666-014880 Diam = 104.0 m = 11.8 m = 12.6</p>  <p>Dur = 5.5s Dmag = 1.2 Sun: 103° Moon: 65°</p>	<p>2021 sep 4 9h 9.9m B21_09003 523700 2014GM54 UCAC4 551-094984 Diam = 158.5 m = 14.9 m = 21.7</p>  <p>Dur = 6.6s Dmag = 6.8 Sun: 124° Moon: 134°</p>	<p>2021 sep 5 12h46.8m A21_09048 229 Adelinda UCAC4 430-121635 Diam = 96.0 m = 12.1 m = 13.3</p>  <p>Dur = 9.0s Dmag = 1.5 Sun: 168° Moon: 150°</p>
<p>2021 sep 6 9h52.3m A21_09001 5 Astraea PPMX 11622324 Diam = 125.0 m = 12.4 m = 12.2</p>  <p>Dur = 10.9s Dmag = 0.7 Sun: 99° Moon: 107°</p>	<p>2021 sep 6 12h13.2m A21_09067 389 Industria TYC 6197-00193-1 Diam = 81.0 m = 10.8 m = 13.1</p>  <p>Dur = 3.0s Dmag = 2.4 Sun: 73° Moon: 80°</p>	<p>2021 sep 6 21h32.2m A21_09122 1001 Gaussia UCAC4 584-014383 Diam = 78.3 m = 11.5 m = 15.2</p>  <p>Dur = 4.4s Dmag = 3.7 Sun: 87° Moon: 86°</p>	<p>2021 sep 7 8h 1.8m A21_09013 37 Fides TYC 6182-00757-1 Diam = 112.0 m = 9.3 m = 13.2</p>  <p>Dur = 4.3s Dmag = 3.9 Sun: 67° Moon: 64°</p>
<p>2021 sep 8 11h36.4m A21_09131 1200 Imperatrix UCAC5 360-103437 Diam = 42.0 m = 12.4 m = 15.7</p>  <p>Dur = 3.1s Dmag = 3.3 Sun: 99° Moon: 80°</p>	<p>2021 sep 8 11h45.4m A21_09023 63 Ausonia TYC 6819-03241-1 Diam = 108.0 m = 11.2 m = 11.6</p>  <p>Dur = 5.6s Dmag = 0.9 Sun: 91° Moon: 73°</p>	<p>2021 sep 9 12h10.4m A21_09133 1282 Utopia UCAC4 337-197110 Diam = 55.7 m = 12.3 m = 14.9</p>  <p>Dur = 6.6s Dmag = 2.7 Sun: 136° Moon: 105°</p>	<p>2021 sep 9 15h47.2m A21_09097 615 Roswitha UCAC4 468-000960 Diam = 49.5 m = 12.0 m = 14.2</p>  <p>Dur = 5.1s Dmag = 2.4 Sun: 156° Moon: 169°</p>
<p>2021 sep 9 18h37.4m A21_09042 191 Kolga TYC 4673-00962-1 Diam = 105.0 m = 10.3 m = 13.0</p>  <p>Dur = 10.7s Dmag = 2.8 Sun: 155° Moon: 167°</p>	<p>2021 sep 9 19h56.1m A21_09115 784 Pickeringia UCAC4 619-028775 Diam = 90.0 m = 11.6 m = 15.7</p>  <p>Dur = 4.7s Dmag = 4.2 Sun: 78° Moon: 114°</p>	<p>2021 sep 9 20h54.4m A21_09041 185 Eunike TYC 4731-00903-1 Diam = 165.0 m = 11.6 m = 12.0</p>  <p>Dur = 10.9s Dmag = 1.0 Sun: 106° Moon: 140°</p>	<p>2021 sep 10 9h27.1m A21_09135 1637 Swings UCAC4 251-162579 Diam = 49.7 m = 11.7 m = 16.1</p>  <p>Dur = 4.3s Dmag = 4.4 Sun: 104° Moon: 63°</p>

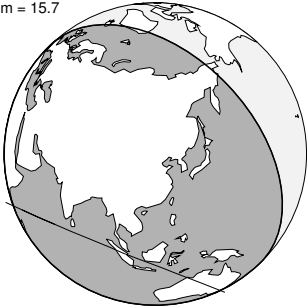
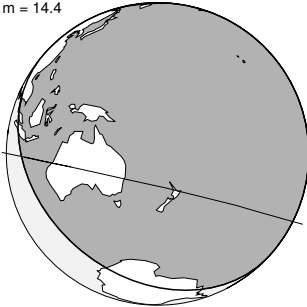
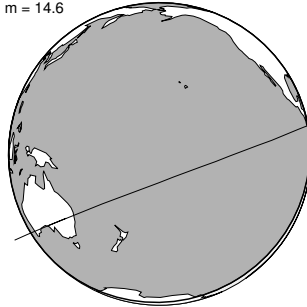

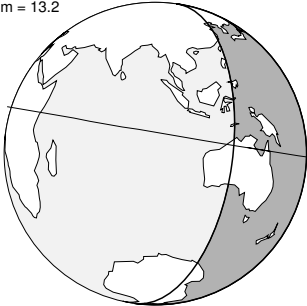
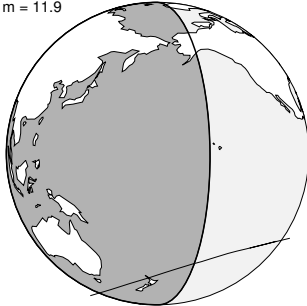
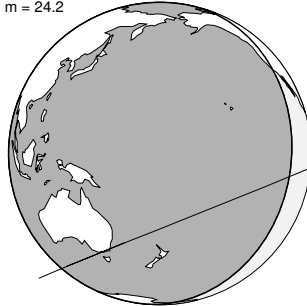
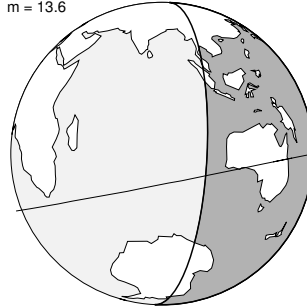
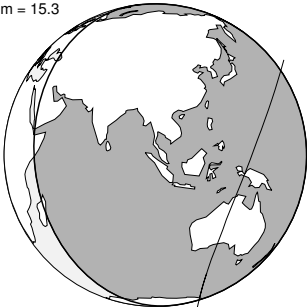
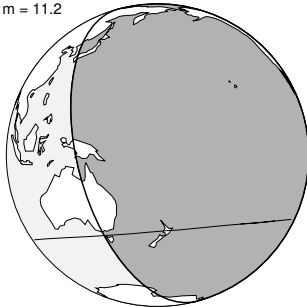
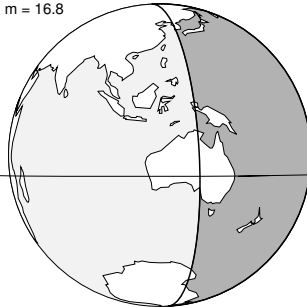
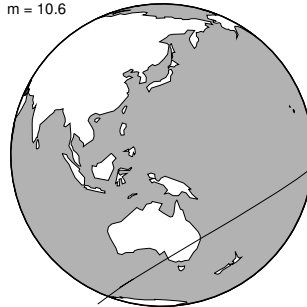
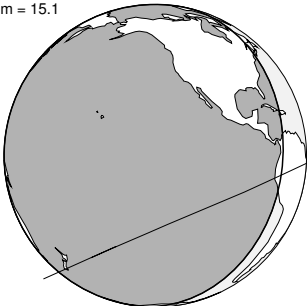
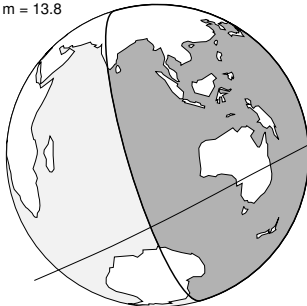
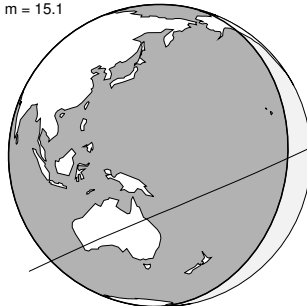
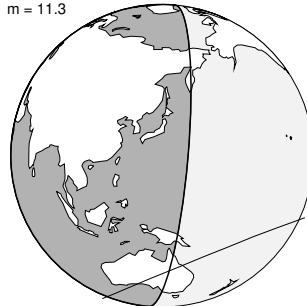
Occultations by major and minor planets – 2021

Region 8

<p>2021 sep 12 14h12.8m A21_09072 419 Aurelia UCAC5 359–130196 Diam = 133.0 m = 12.4</p>  <p>Dur = 9.3s Dmag = 0.6 Sun: 104° Moon: 32°</p>	<p>2021 sep 12 17h54.9m A21_09016 42 Isis PPMX 5970978 Diam = 107.0 m = 12.1 m = 12.2</p>  <p>Dur = 7.0s Dmag = 0.8 Sun: 89° Moon: 164°</p>	<p>2021 sep 13 13h47.9m A21_09120 976 Benjamina UCAC4 446–137776 Diam = 86.6 m = 12.5 m = 14.3</p>  <p>Dur = 7.0s Dmag = 2.0 Sun: 158° Moon: 75°</p>	<p>2021 sep 15 9h30.0m A21_09083 491 Carina TYC 5122–00760–1 Diam = 101.0 m = 11.5 m = 14.2</p>  <p>Dur = 8.7s Dmag = 2.8 Sun: 109° Moon: 22°</p>
<p>2021 sep 16 6h41.1m A21_09046 227 Philosphia UCAC5 303–141752 Diam = 90.1 m = 12.5 m = 13.9</p>  <p>Dur = 5.2s Dmag = 1.7 Sun: 94° Moon: 27°</p>	<p>2021 sep 19 10h11.2m A21_09029 92 Undina UCAC4 314–233400 Diam = 132.0 m = 10.9 m = 11.8</p>  <p>Dur = 19.1s Dmag = 1.3 Sun: 110° Moon: 51°</p>	<p>2021 sep 19 21h26.5m A21_09146 2906 Caltech TYC 1314–00391–1 Diam = 62.0 m = 10.5 m = 15.6</p>  <p>Dur = 3.5s Dmag = 5.2 Sun: 83° Moon: 109°</p>	<p>2021 sep 22 11h44.4m A21_09017 48 Doris PPMX 11685280 Diam = 219.0 m = 11.6 m = 12.7</p>  <p>Dur = 21.4s Dmag = 1.4 Sun: 101° Moon: 96°</p>
<p>2021 sep 23 8h33.2m A21_09047 227 Philosphia UCAC4 305–161968 Diam = 90.1 m = 11.8 m = 14.0</p>  <p>Dur = 4.6s Dmag = 2.4 Sun: 89° Moon: 117°</p>	<p>2021 sep 24 7h57.1m A21_09025 65 Cybele UCAC4 349–169975 Diam = 230.0 m = 12.3 m = 12.4</p>  <p>Dur = 24.5s Dmag = 0.8 Sun: 106° Moon: 112°</p>	<p>2021 sep 25 15h34.7m A21_09151 7152 Euneus TYC 0635–01094–1 Diam = 43.7 m = 12.0 m = 16.9</p>  <p>Dur = 4.2s Dmag = 4.9 Sun: 143° Moon: 17°</p>	<p>2021 sep 26 9h14.7m A21_09053 264 Libussa UCAC4 279–207100 Diam = 53.0 m = 11.8 m = 13.4</p>  <p>Dur = 4.8s Dmag = 1.8 Sun: 101° Moon: 138°</p>
<p>2021 sep 27 7h42.1m A21_09043 216 Kleopatra UCAC4 388–072382 Diam = 112.6 m = 11.6 m = 13.1</p>  <p>Dur = 4.3s Dmag = 1.8 Sun: 65° Moon: 168°</p>	<p>2021 sep 27 8h 0.8m A21_09130 1194 Aletta UCAC4 339–146619 Diam = 56.8 m = 11.6 m = 15.8</p>  <p>Dur = 3.7s Dmag = 4.2 Sun: 92° Moon: 158°</p>	<p>2021 sep 27 10h23.6m A21_09141 2674 Pandarus UCAC4 343–136543 Diam = 102.0 m = 12.4 m = 16.7</p>  <p>Dur = 7.2s Dmag = 4.3 Sun: 89° Moon: 162°</p>	<p>2021 sep 29 9h16.8m A21_09027 84 Klio UCAC5 336–176087 Diam = 83.0 m = 12.5 m = 12.5</p>  <p>Dur = 6.3s Dmag = 0.8 Sun: 104° Moon: 169°</p>

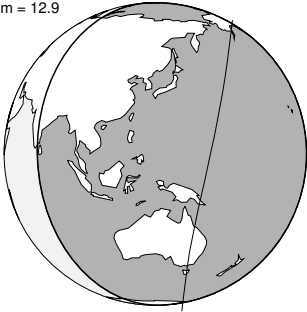
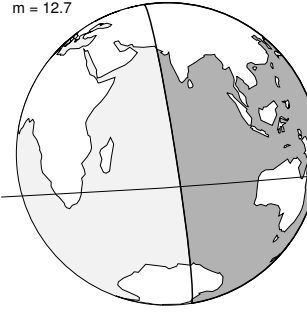
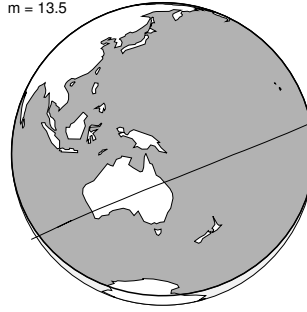
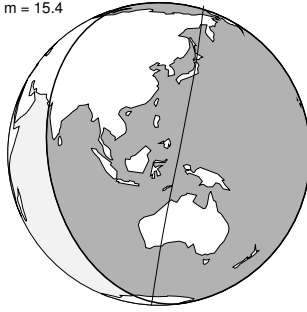
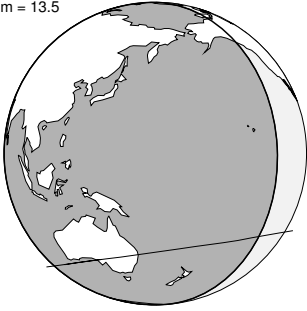
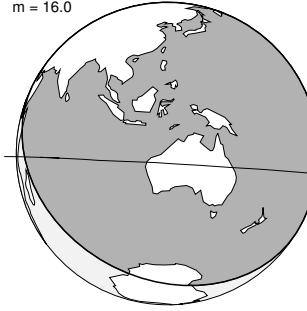
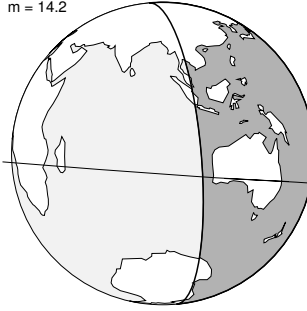
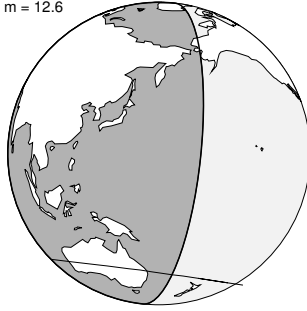
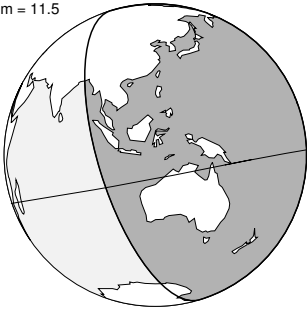
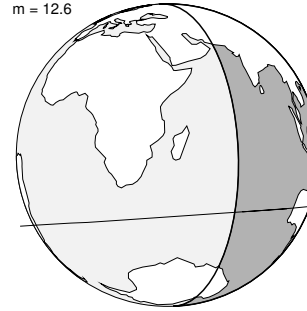
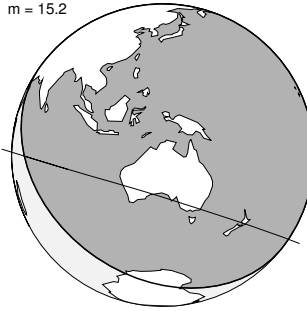
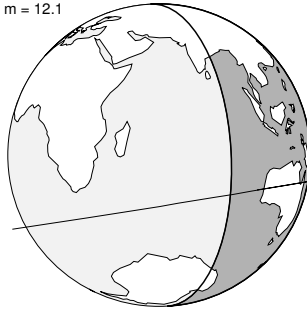
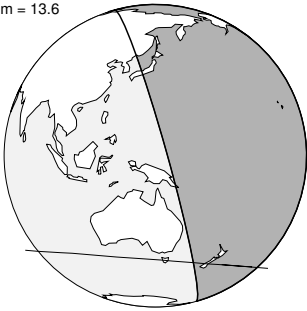
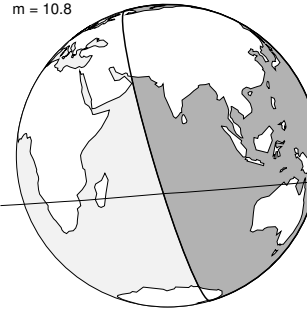
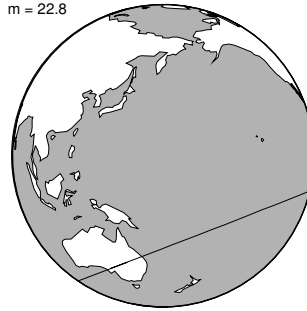
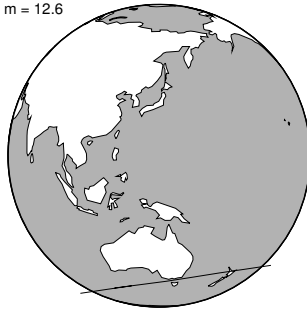
Occultations by major and minor planets – 2021

Region 8

<p>2021 oct 1 18h24.4m A21_10133 1000 Piazzia TYC 2853–02153–1 Diam = 54.0 m = 10.0 m = 15.7</p>  <p>Dur = 4.3s Dmag = 5.7 Sun: 131° Moon: 76°</p>	<p>2021 oct 2 11h 9.3m A21_10158 1902 Shaposhnikov UCAC5 330–191278 Diam = 101.0 m = 12.4 m = 14.4</p>  <p>Dur = 12.2s Dmag = 2.2 Sun: 144° Moon: 158°</p>	<p>2021 oct 3 11h20.4m A21_10108 629 Bernardina TYC 4683–00268–1 Diam = 43.7 m = 11.7 m = 14.6</p>  <p>Dur = 3.2s Dmag = 3.0 Sun: 167° Moon: 139°</p>	<p>2021 oct 5 19h17.7m A21_10102 613 Ginevra TYC 1806–00236–1 Diam = 82.0 m = 10.4 m = 14.2</p>  <p>Dur = 16.2s Dmag = 3.8 Sun: 133° Moon: 124°</p>
<p>2021 oct 7 9h30.5m A21_10037 128 Nemesis TYC 6809–00228–1 Diam = 194.0 m = 10.9 m = 13.2</p>  <p>Dur = 6.2s Dmag = 2.4 Sun: 59° Moon: 47°</p>	<p>2021 oct 8 16h36.0m A21_10017 42 Isis UCAC4 547–017272 Diam = 107.0 m = 12.2 m = 11.9</p>  <p>Dur = 22.7s Dmag = 0.6 Sun: 110° Moon: 141°</p>	<p>2021 oct 10 14h 6.9m A21_10166 2016SH57 UCAC4 463–004084 Diam = 91.2 m = 11.9 m = 24.2</p>  <p>Dur = 4.2s Dmag = 12.2 Sun: 150° Moon: 147°</p>	<p>2021 oct 11 11h 1.1m A21_10040 139 Juewa UCAC4 284–143596 Diam = 164.0 m = 12.3 m = 13.6</p>  <p>Dur = 6.2s Dmag = 1.5 Sun: 72° Moon: 9°</p>
<p>2021 oct 12 14h42.4m A21_10128 921 Jovita TYC 0571–01148–1 Diam = 60.5 m = 10.6 m = 15.3</p>  <p>Dur = 6.1s Dmag = 4.7 Sun: 143° Moon: 63°</p>	<p>2021 oct 13 8h38.0m A21_10018 43 Ariadne TYC 5786–00652–1 Diam = 65.3 m = 12.3 m = 11.2</p>  <p>Dur = 11.3s Dmag = 0.3 Sun: 121° Moon: 31°</p>	<p>2021 oct 14 8h55.4m A21_10159 2674 Pandarus TYC 6278–01516–1 Diam = 102.0 m = 10.8 m = 16.8</p>  <p>Dur = 4.7s Dmag = 5.9 Sun: 74° Moon: 31°</p>	<p>2021 oct 14 14h50.9m A21_10024 50 Virginia TYC 0034–01094–1 Diam = 59.2 m = 12.2 m = 10.6</p>  <p>Dur = 10.7s Dmag = 0.2 Sun: 176° Moon: 73°</p>
<p>2021 oct 15 10h50.8m A21_10154 1558 Jarnfelt TYC 0067–00672–1 Diam = 68.1 m = 11.1 m = 15.1</p>  <p>Dur = 7.2s Dmag = 4.0 Sun: 147° Moon: 90°</p>	<p>2021 oct 15 12h34.3m A21_10090 505 Cava UCAC5 308–248483 Diam = 79.1 m = 12.5 m = 13.8</p>  <p>Dur = 8.4s Dmag = 1.6 Sun: 101° Moon: 19°</p>	<p>2021 oct 15 15h43.7m A21_10153 1558 Jarnfelt TYC 0067–00517–1 Diam = 68.1 m = 11.5 m = 15.1</p>  <p>Dur = 7.1s Dmag = 3.6 Sun: 147° Moon: 87°</p>	<p>2021 oct 15 19h59.9m A21_10009 22 Kalliope UCAC4 585–035151 Diam = 187.0 m = 11.9 m = 11.3</p>  <p>Dur = 14.3s Dmag = 0.5 Sun: 99° Moon: 136°</p>

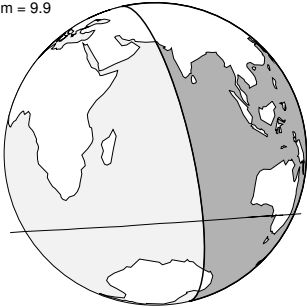
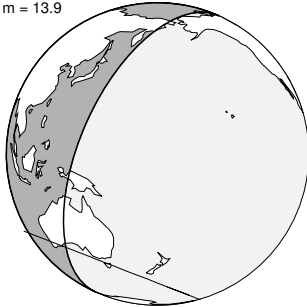
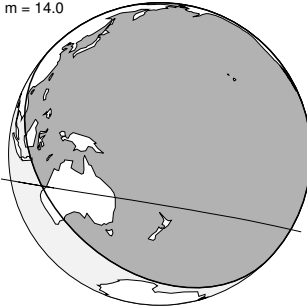
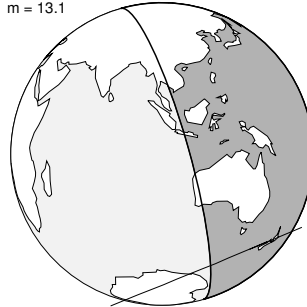
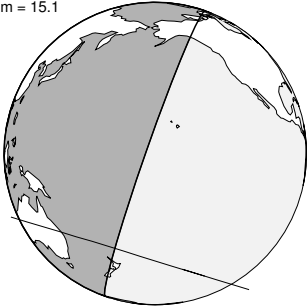
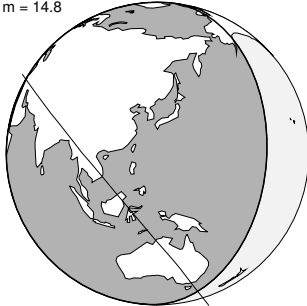
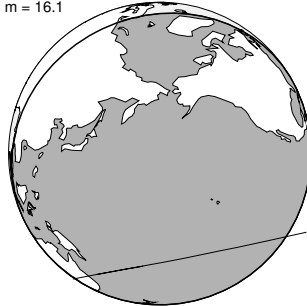
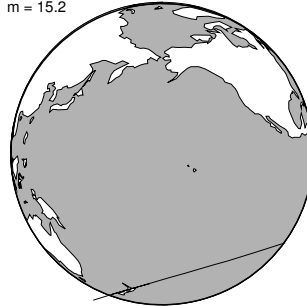
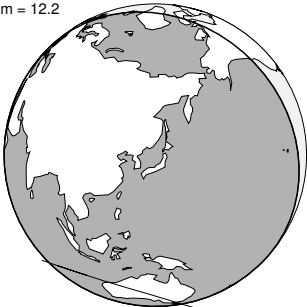
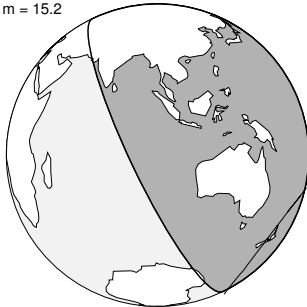
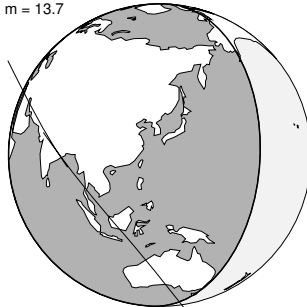
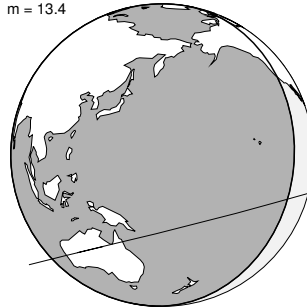
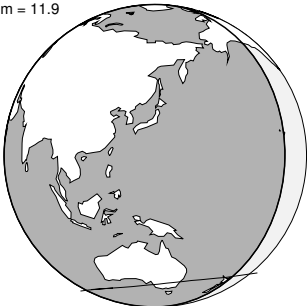
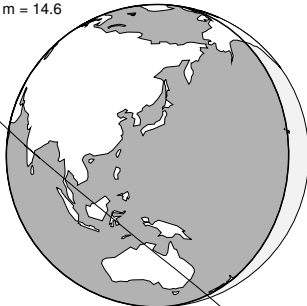
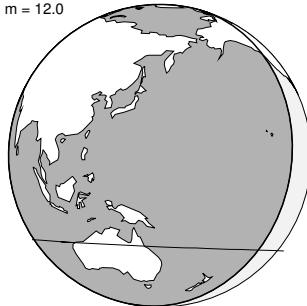
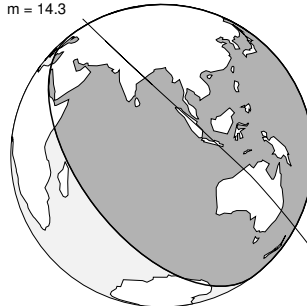
Occultations by major and minor planets – 2021

Region 8

<p>2021 oct 16 12h24.6m A21_10051 188 Menippe UCAC4 498–148573 Diam = 41.3 m = 12.2 m = 12.9</p>  <p>Dur = 6.0s Dmag = 1.1 Sun: 141° Moon: 24°</p>	<p>2021 oct 17 12h58.2m A21_10026 65 Cybele UCAC4 350–178563 Diam = 230.0 m = 11.9 m = 12.7</p>  <p>Dur = 12.1s Dmag = 1.2 Sun: 86° Moon: 58°</p>	<p>2021 oct 17 13h51.0m A21_10087 484 Pittsburgia TYC 5274–00240–1 Diam = 44.5 m = 9.4 m = 13.5</p>  <p>Dur = 4.1s Dmag = 4.2 Sun: 159° Moon: 31°</p>	<p>2021 oct 18 12h46.1m A21_10129 921 Jovita TYC 0571–01701–1 Diam = 60.5 m = 9.8 m = 15.4</p>  <p>Dur = 6.8s Dmag = 5.6 Sun: 137° Moon: 23°</p>
<p>2021 oct 18 15h29.0m A21_10096 535 Montague HIP 18692 Diam = 77.0 m = 8.1 m = 13.5</p>  <p>Dur = 11.7s Dmag = 5.3 Sun: 143° Moon: 58°</p>	<p>2021 oct 20 14h29.5m A21_10150 1484 Postrema TYC 5849–00090–1 Diam = 46.3 m = 10.3 m = 16.0</p>  <p>Dur = 3.5s Dmag = 5.7 Sun: 145° Moon: 32°</p>	<p>2021 oct 21 10h50.0m A21_10134 1021 Flammario TYC 6877–00023–1 Diam = 103.0 m = 11.3 m = 14.2</p>  <p>Dur = 4.6s Dmag = 3.0 Sun: 75° Moon: 114°</p>	<p>2021 oct 24 18h22.3m A21_10100 554 Peraga TYC 1900–00871–1 Diam = 98.5 m = 11.7 m = 12.6</p>  <p>Dur = 9.2s Dmag = 1.3 Sun: 105° Moon: 29°</p>
<p>2021 oct 25 11h25.0m A21_10019 43 Ariadne TYC 5787–00456–1 Diam = 65.3 m = 10.2 m = 11.5</p>  <p>Dur = 6.7s Dmag = 1.6 Sun: 112° Moon: 120°</p>	<p>2021 oct 26 13h15.9m A21_10014 30 Urania Gaia 067–0540922 Diam = 104.0 m = 11.5 m = 12.6</p>  <p>Dur = 3.3s Dmag = 1.4 Sun: 62° Moon: 176°</p>	<p>2021 oct 26 13h33.1m A21_10147 1357 Khama UCAC4 364–000764 Diam = 45.1 m = 11.8 m = 15.2</p>  <p>Dur = 5.4s Dmag = 3.5 Sun: 143° Moon: 97°</p>	<p>2021 nov 1 11h56.6m A21_11010 63 Ausonia UCAC4 321–202866 Diam = 108.0 m = 10.9 m = 12.1</p>  <p>Dur = 3.1s Dmag = 1.5 Sun: 61° Moon: 107°</p>
<p>2021 nov 4 7h57.0m A21_11099 790 Pretoria TYC 0496–02026–1 Diam = 176.0 m = 9.0 m = 13.6</p>  <p>Dur = 8.2s Dmag = 4.6 Sun: 85° Moon: 92°</p>	<p>2021 nov 4 13h17.2m A21_11005 12 Victoria TYC 5205–01211–1 Diam = 117.0 m = 9.6 m = 10.8</p>  <p>Dur = 6.1s Dmag = 1.6 Sun: 95° Moon: 100°</p>	<p>2021 nov 5 12h37.0m B21_11003 2001PK47 UCAC4 543–004218 Diam = 158.5 m = 13.9 m = 22.8</p>  <p>Dur = 6.4s Dmag = 8.9 Sun: 173° Moon: 165°</p>	<p>2021 nov 7 14h15.4m A21_11030 151 Abundantia UCAC4 531–004471 Diam = 46.7 m = 12.2 m = 12.6</p>  <p>Dur = 3.8s Dmag = 1.0 Sun: 176° Moon: 139°</p>

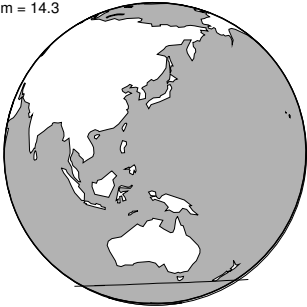
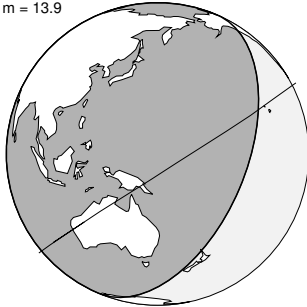
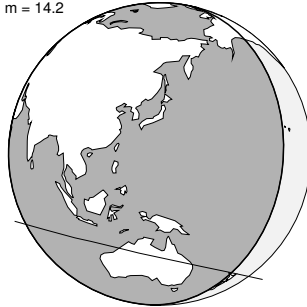
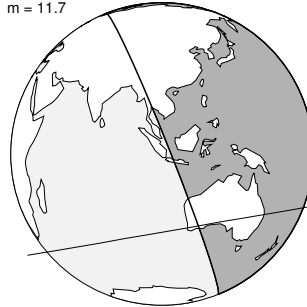
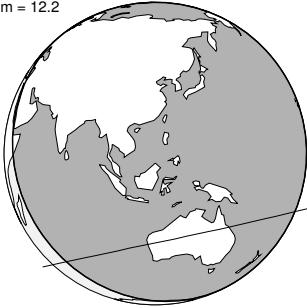
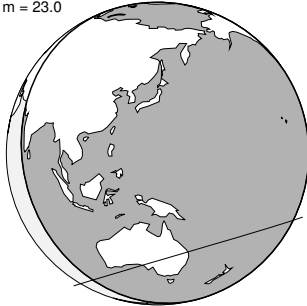
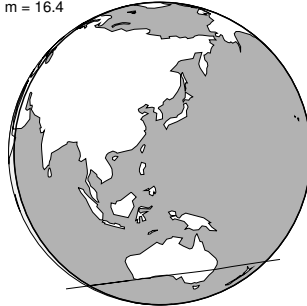
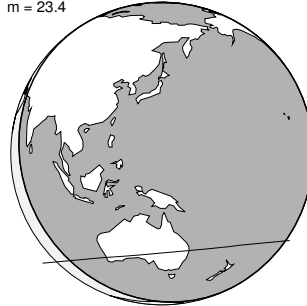
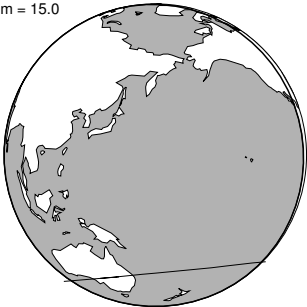
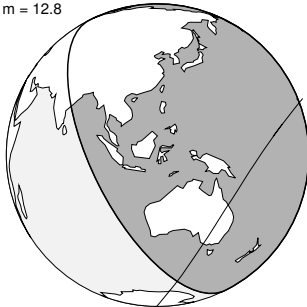
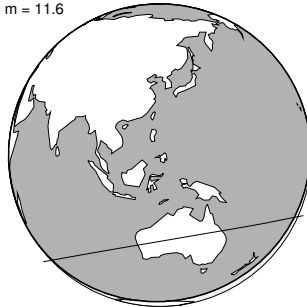
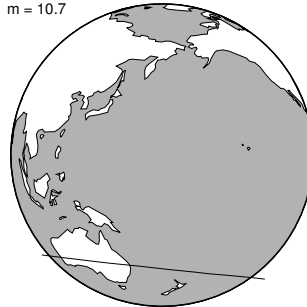
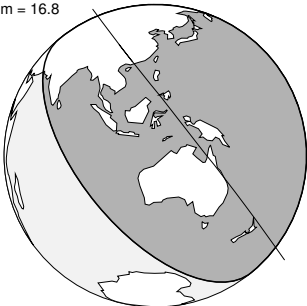
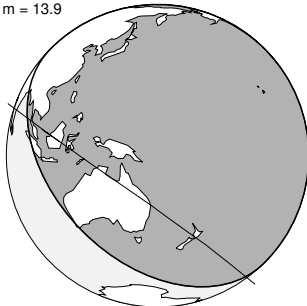

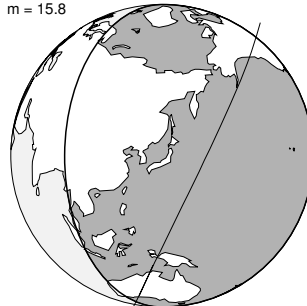
Occultations by major and minor planets – 2021

Region 8

<p>2021 nov 9 12h46.1m A21_11003 6 Hebe TYC 6907-00369-1 Diam = 186.0 m = 11.8 m = 9.9</p>  <p>Dur = 7.3s Dmag = 0.2 Sun: 75° Moon: 12°</p>	<p>2021 nov 9 20h33.3m A21_11036 171 Ophelia HIP 55323 Diam = 121.0 m = 9.0 m = 13.9</p>  <p>Dur = 3.6s Dmag = 4.9 Sun: 59° Moon: 128°</p>	<p>2021 nov 11 10h20.1m A21_11065 484 Pittsburghia HIP 5733 Diam = 44.5 m = 14.0 m = 8.5</p>  <p>Dur = 6.7s Dmag = 5.5 Sun: 139° Moon: 55°</p>	<p>2021 nov 12 10h37.3m A21_11017 84 Klio TYC 6331-00355-1 Diam = 83.0 m = 13.1 m = 12.1</p>  <p>Dur = 3.1s Dmag = 1.4 Sun: 79° Moon: 23°</p>
<p>2021 nov 14 17h10.3m A21_11106 924 Toni UCAC5 498-052629 Diam = 87.6 m = 12.2 m = 15.1</p>  <p>Dur = 5.5s Dmag = 3.0 Sun: 86° Moon: 144°</p>	<p>2021 nov 14 18h 7.2m A21_11131 2906 Caltech UCAC4 561-029687 Diam = 62.0 m = 12.1 m = 14.8</p>  <p>Dur = 5.4s Dmag = 2.8 Sun: 136° Moon: 95°</p>	<p>2021 nov 17 10h55.4m A21_11136 3596 Meriones TYC 2853-01765-1 Diam = 57.5 m = 10.5 m = 16.1</p>  <p>Dur = 3.5s Dmag = 5.5 Sun: 155° Moon: 32°</p>	<p>2021 nov 18 10h51.6m A21_11118 1092 Liliu TYC 1805-01389-1 Diam = 47.6 m = 11.8 m = 15.2</p>  <p>Dur = 3.4s Dmag = 3.4 Sun: 172° Moon: 13°</p>
<p>2021 nov 18 15h57.2m A21_11038 186 Celuta PPMX 3004812 Diam = 52.3 m = 12.4 m = 12.2</p>  <p>Dur = 4.8s Dmag = 0.7 Sun: 153° Moon: 33°</p>	<p>2021 nov 20 12h33.3m A21_11125 1902 Shaposhnikov TYC 6397-00520-1 Diam = 101.0 m = 11.6 m = 15.2</p>  <p>Dur = 7.0s Dmag = 3.7 Sun: 100° Moon: 92°</p>	<p>2021 nov 20 18h40.3m A21_11039 207 Hedda TYC 1904-01006-1 Diam = 60.0 m = 11.1 m = 13.7</p>  <p>Dur = 21.7s Dmag = 2.7 Sun: 131° Moon: 33°</p>	<p>2021 nov 22 15h 6.1m A21_11053 336 Lacadiera UCAC4 550-021112 Diam = 72.0 m = 11.7 m = 13.4</p>  <p>Dur = 7.8s Dmag = 1.9 Sun: 150° Moon: 9°</p>
<p>2021 nov 22 16h40.1m A21_11043 270 Anahita UCAC4 566-022418 Diam = 52.2 m = 12.1 m = 11.9</p>  <p>Dur = 6.8s Dmag = 0.6 Sun: 148° Moon: 6°</p>	<p>2021 nov 26 16h46.9m A21_11133 2906 Caltech UCAC5 569-025471 Diam = 62.0 m = 12.5 m = 14.6</p>  <p>Dur = 4.2s Dmag = 2.3 Sun: 150° Moon: 51°</p>	<p>2021 nov 27 15h41.7m A21_11006 17 Thetis TYC 1319-00960-1 Diam = 93.2 m = 10.9 m = 12.0</p>  <p>Dur = 9.1s Dmag = 1.4 Sun: 150° Moon: 63°</p>	<p>2021 nov 28 14h46.4m A21_11046 286 Iclea HIP 6008 Diam = 96.5 m = 10.0 m = 14.3</p>  <p>Dur = 21.9s Dmag = 4.3 Sun: 123° Moon: 153°</p>

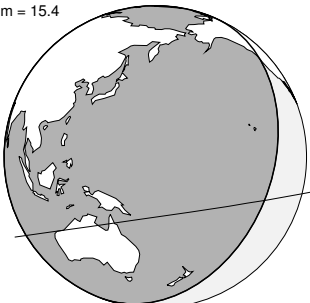
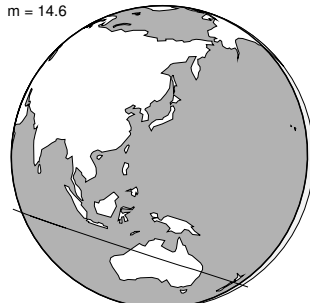

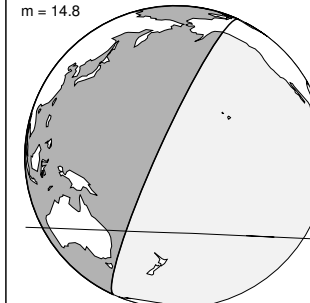
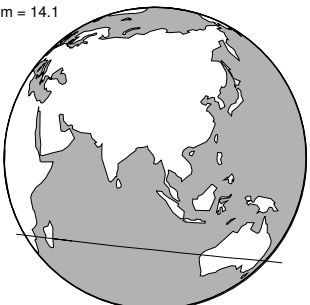
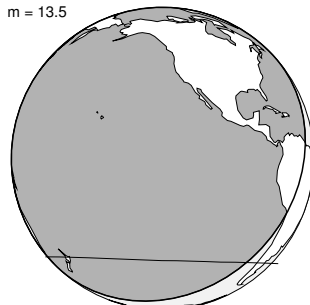
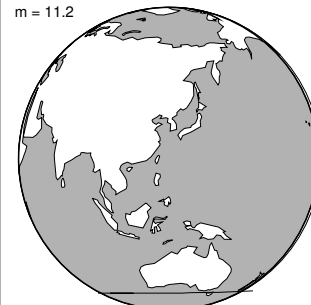
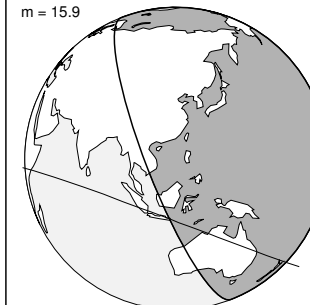
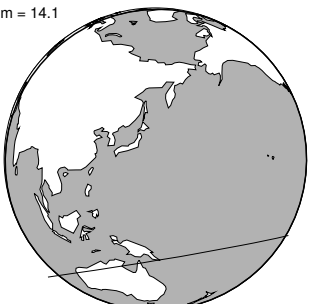
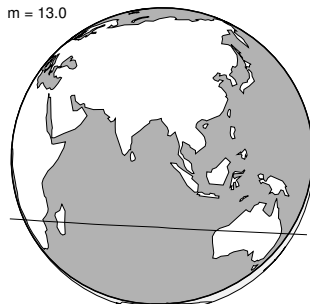
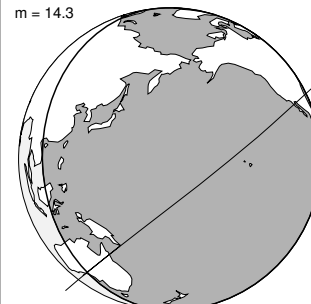
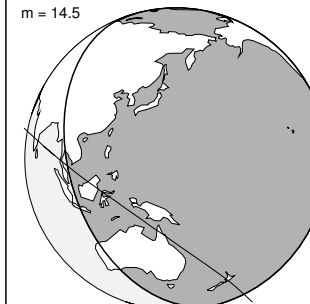
Occultations by major and minor planets – 2021

Region 8

<p>2021 nov 28 15h13.3m A21_11105 861 Aida UCAC4 519-008322 Diam = 70.1 m = 11.9 m = 14.3</p>  <p>Dur = 4.9s Dmag = 2.5 Sun: 170° Moon: 100°</p>	<p>2021 nov 28 17h10.0m A21_11091 737 Arequipa UCAC4 475-038380 Diam = 46.3 m = 10.9 m = 13.9</p>  <p>Dur = 7.0s Dmag = 3.1 Sun: 126° Moon: 56°</p>	<p>2021 nov 29 17h 4.2m A21_11076 580 Selene PPMX 6066795 Diam = 54.7 m = 12.0 m = 14.2</p>  <p>Dur = 7.5s Dmag = 2.4 Sun: 144° Moon: 82°</p>	<p>2021 dec 1 10h45.6m A21_12021 80 Sappho UCAC4 427-123975 Diam = 81.7 m = 12.5 m = 11.7</p>  <p>Dur = 3.5s Dmag = 0.4 Sun: 86° Moon: 126°</p>
<p>2021 dec 2 14h38.1m A21_12031 114 Cassandra UCAC4 502-004711 Diam = 103.0 m = 12.1 m = 12.2</p>  <p>Dur = 9.8s Dmag = 0.8 Sun: 156° Moon: 174°</p>	<p>2021 dec 3 12h38.8m B21_12004 2002VD131 Gaia 106-0016382 Diam = 208.9 m = 13.4 m = 23.0</p>  <p>Dur = 9.4s Dmag = 9.7 Sun: 152° Moon: 164°</p>	<p>2021 dec 3 14h10.8m A21_12187 3548 Eurybates TYC 1246-00385-1 Diam = 45.7 m = 10.8 m = 16.4</p>  <p>Dur = 3.0s Dmag = 5.6 Sun: 164° Moon: 174°</p>	<p>2021 dec 5 13h 2.1m A21_12197 474640 2004VNN112 TYC 0653-00790-1 Diam = 208.9 m = 9.6 m = 23.4</p>  <p>Dur = 9.0s Dmag = 13.8 Sun: 157° Moon: 141°</p>
<p>2021 dec 7 13h54.4m A21_12161 1298 Nocturna TYC 1874-00353-1 Diam = 47.3 m = 9.1 m = 15.0</p>  <p>Dur = 3.7s Dmag = 6.0 Sun: 167° Moon: 146°</p>	<p>2021 dec 8 11h53.0m A21_12028 100 Hekate UCAC4 438-001168 Diam = 92.0 m = 12.4 m = 12.8</p>  <p>Dur = 16.9s Dmag = 0.9 Sun: 115° Moon: 58°</p>	<p>2021 dec 9 16h 2.4m A21_12085 444 Ggyptis TYC 0701-01548-1 Diam = 170.0 m = 11.3 m = 11.6</p>  <p>Dur = 13.9s Dmag = 0.9 Sun: 164° Moon: 110°</p>	<p>2021 dec 10 12h37.2m A21_12014 42 Isis TYC 1293-00748-1 Diam = 107.0 m = 12.1 m = 10.7</p>  <p>Dur = 8.2s Dmag = 0.3 Sun: 177° Moon: 94°</p>
<p>2021 dec 10 12h44.1m A21_12190 5027 Androgeos UCAC4 370-002331 Diam = 55.0 m = 12.3 m = 16.8</p>  <p>Dur = 3.5s Dmag = 4.5 Sun: 120° Moon: 44°</p>	<p>2021 dec 11 11h14.2m A21_12131 893 Leopoldina TYC 5287-00901-1 Diam = 78.0 m = 12.0 m = 13.9</p>  <p>Dur = 10.2s Dmag = 2.1 Sun: 134° Moon: 48°</p>	<p>2021 dec 14 14h51.6m A21_12107 586 Thekla UCAC4 557-011515 Diam = 85.0 m = 11.3 m = 13.2</p>  <p>Dur = 7.0s Dmag = 2.1 Sun: 171° Moon: 41°</p>	<p>2021 dec 15 11h 2.8m A21_12142 1000 Piazzia TYC 2815-00722-1 Diam = 54.0 m = 12.1 m = 15.8</p>  <p>Dur = 4.7s Dmag = 3.8 Sun: 130° Moon: 27°</p>

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<p>2021 dec 15 15h52.4m A21_12162 1315 Bronislawa UCAC4 512-043889 Diam = 65.5 m = 12.5 m = 15.4</p>  <p>Dur = 7.3s Dmag = 3.0 Sun: 141° Moon: 76°</p>	<p>2021 dec 15 16h 3.4m A21_12149 1075 Helina UCAC4 557-032784 Diam = 40.5 m = 11.7 m = 14.6</p>  <p>Dur = 3.1s Dmag = 3.0 Sun: 163° Moon: 55°</p>	<p>2021 dec 16 17h12.8m B21_12005 2003TL58 UCAC4 552-027622 Diam = 166.0 m = 13.8 m = 23.2</p>  <p>Dur = 6.7s Dmag = 9.4 Sun: 167° Moon: 39°</p>	<p>2021 dec 20 18h26.3m A21_12071 357 Ninina HIP 61341 Diam = 110.0 m = 10.0 m = 14.8</p>  <p>Dur = 5.6s Dmag = 4.8 Sun: 82° Moon: 80°</p>
<p>2021 dec 23 17h58.2m A21_12063 301 Bavaria UCAC4 540-027434 Diam = 55.5 m = 11.8 m = 14.1</p>  <p>Dur = 4.2s Dmag = 2.4 Sun: 172° Moon: 47°</p>	<p>2021 dec 24 10h 5.1m A21_12121 737 Arequipa UCAC4 472-033436 Diam = 46.3 m = 11.7 m = 13.5</p>  <p>Dur = 3.4s Dmag = 2.0 Sun: 152° Moon: 42°</p>	<p>2021 dec 25 16h21.9m A21_12100 554 Peraga TYC 1895-01272-1 Diam = 98.5 m = 11.4 m = 11.2</p>  <p>Dur = 12.1s Dmag = 0.7 Sun: 169° Moon: 62°</p>	<p>2021 dec 26 10h38.2m A21_12159 1197 Rhodestia UCAC4 528-001348 Diam = 49.0 m = 12.4 m = 15.9</p>  <p>Dur = 4.9s Dmag = 3.5 Sun: 101° Moon: 156°</p>
<p>2021 dec 26 13h35.2m A21_12090 467 Laura TYC 2405-00961-1 Diam = 47.5 m = 9.8 m = 14.1</p>  <p>Dur = 4.2s Dmag = 4.3 Sun: 169° Moon: 90°</p>	<p>2021 dec 27 18h20.9m A21_12037 136 Austria UCAC4 485-030003 Diam = 41.7 m = 12.2 m = 13.0</p>  <p>Dur = 3.6s Dmag = 1.2 Sun: 162° Moon: 91°</p>	<p>2021 dec 28 10h18.5m A21_12158 1189 Terentia UCAC4 580-010238 Diam = 58.3 m = 11.6 m = 14.3</p>  <p>Dur = 6.9s Dmag = 2.7 Sun: 147° Moon: 138°</p>	<p>2021 dec 28 10h56.8m A21_12152 1096 Reunerta UCAC4 526-005941 Diam = 46.2 m = 12.5 m = 14.5</p>  <p>Dur = 9.3s Dmag = 2.1 Sun: 135° Moon: 152°</p>