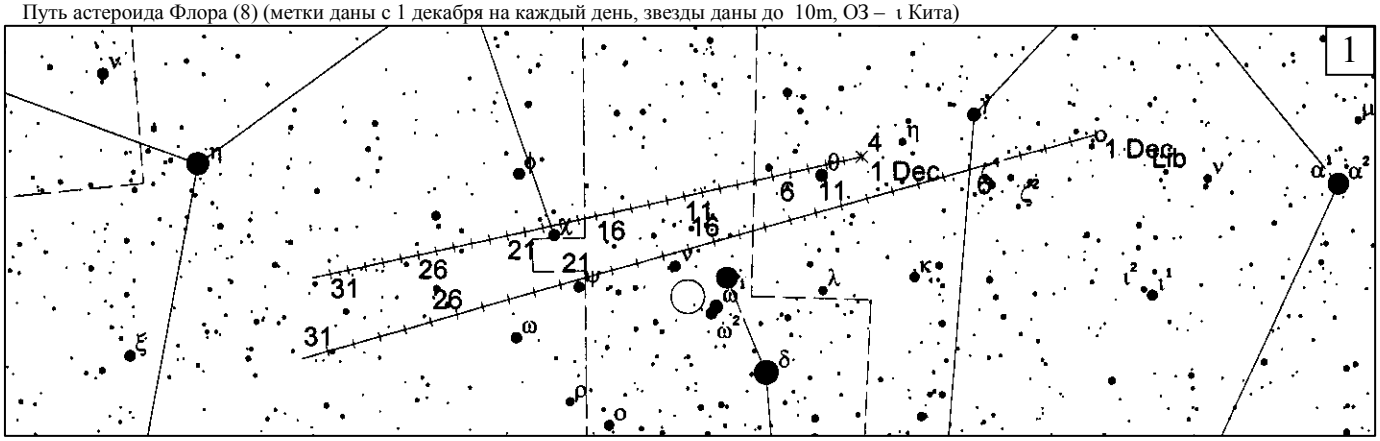
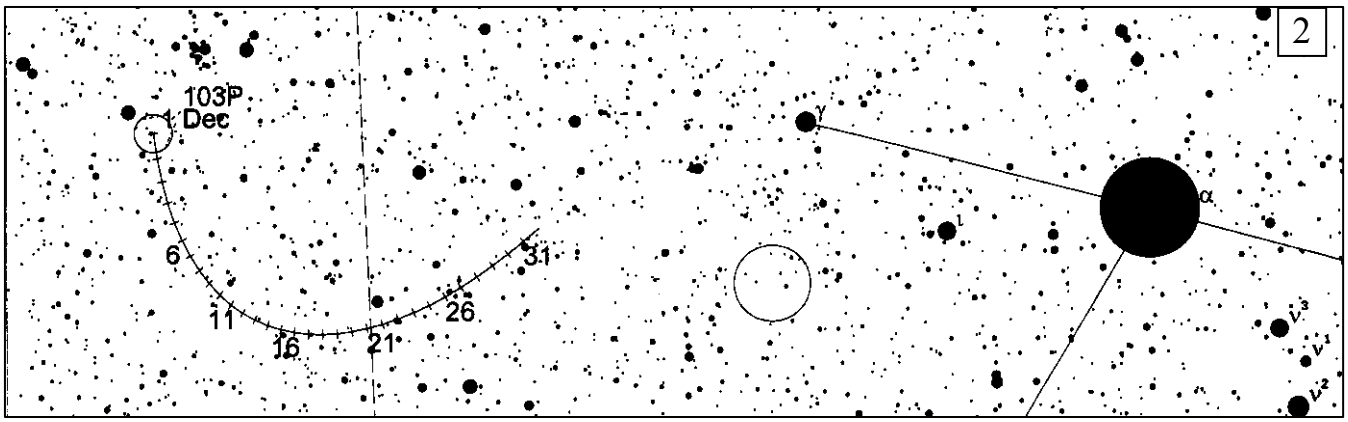
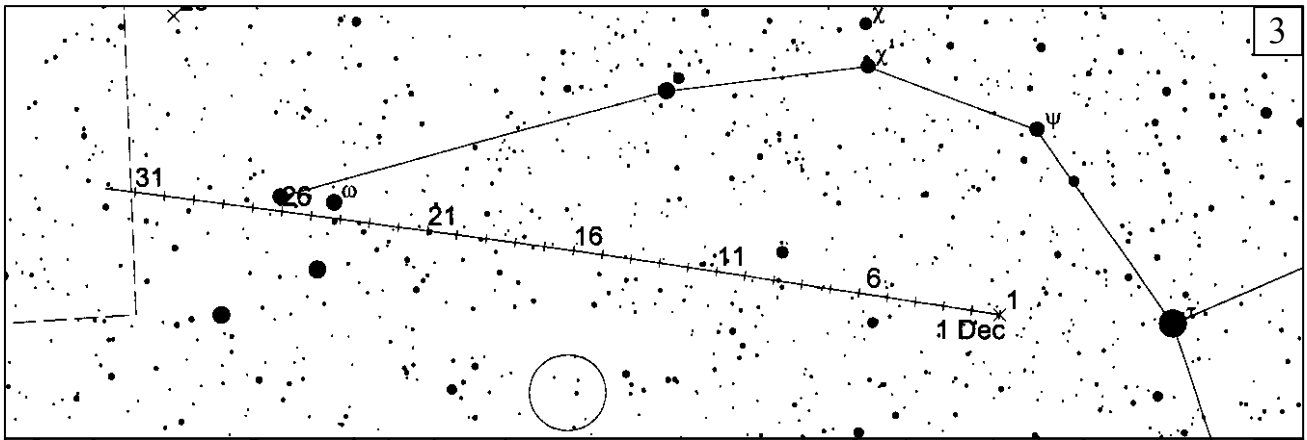
«АстроКА» - 2010

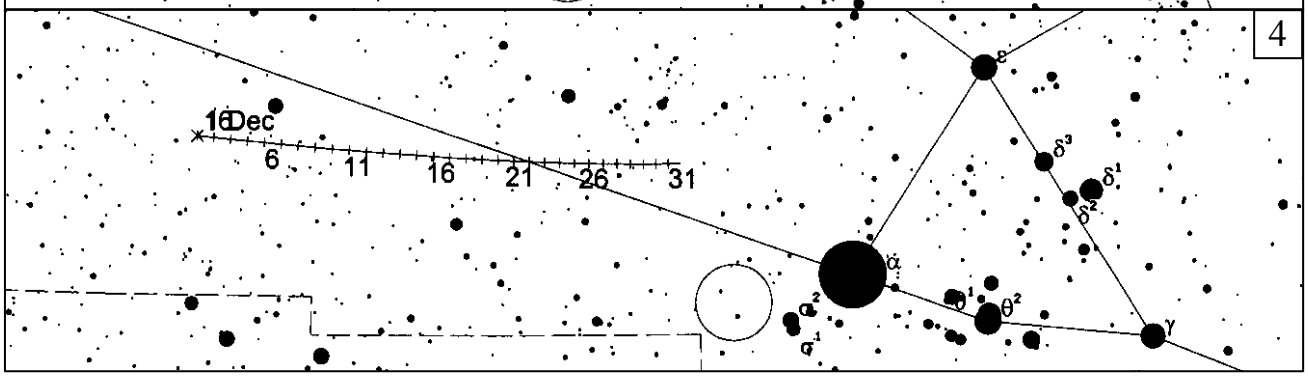
Карты окрестностей комет и астероидов, а так же покрываемых астероидами звезд **в декабре 2010 года**. Все объекты показаны относительно опорных звезд (ОЗ). Окружность на карте - поле зрения телескопа в 1 градус. Чтобы облегчить поиск объекта во время наблюдений вырежьте в листе бумаги кружок аналогичного размера (образовавшееся отверстие и будет полем зрения телескопа в 1 градус), и передвигайте его по звездной карте к объекту, ориентируясь относительно опорной звезды. Если поле зрения Вашего телескопа отлично от указанного, вырежьте в бумаге кружок соответствующего размера. Например, кружок поля зрения телескопа в 2 градуса будет в два раза больше по диаметру, чем на карте. Время всемирное.

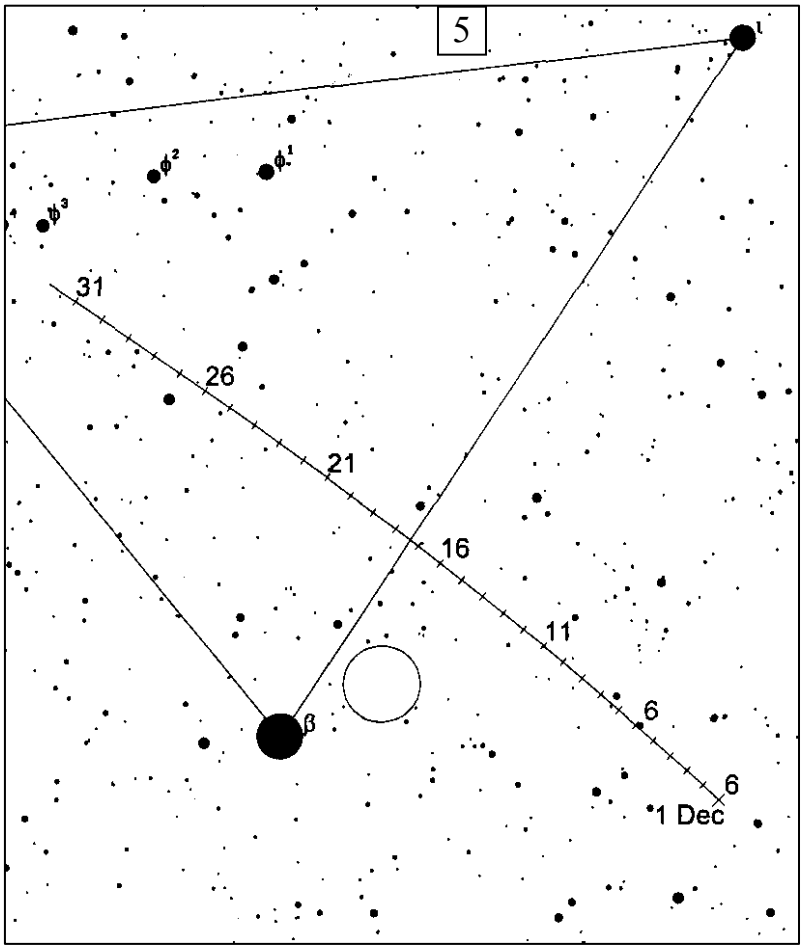
1. Путь кометы P/Tempel (9P) и астероида Веста (4) (метки даны с 1 декабря на каждый день, звезды даны до 8m, ОЗ – α Весов)
2. Путь кометы P/Hartley (103P) (метки даны с 1 декабря на каждый день, звезды даны до 10m, ОЗ – α Большого Пса)
3. Путь астероида Церера (1) (метки даны с 1 декабря на каждый день, звезды даны до 10m, ОЗ – χ Стрельца)
4. Путь астероида Психе (16) (метки даны с 1 декабря на каждый день, звезды даны до 10m, ОЗ – α Тельца)
5. Путь астероида Геба (6) (метки даны с 1 декабря на каждый день, звезды даны до 10m, ОЗ – β Кита)
6. Путь астероида (23) (метки даны с 1 декабря на каждый день, звезды даны до 10m, ОЗ – ι Рака)
7. Путь астероида (44) метки даны с 1 декабря на каждый день, звезды даны до 10m, ОЗ – α Льва)
8. Путь астероида (37) (метки даны с 1 декабря на каждый день, звезды даны до 10m, ОЗ – Плеяды)
9. Путь астероида (7) (метки даны с 1 декабря на каждый день, звезды даны до 10m, ОЗ – α Рака)
10. Путь астероида Флора (8) (метки даны с 1 декабря на каждый день, звезды даны до 10m, ОЗ – ι Кита)







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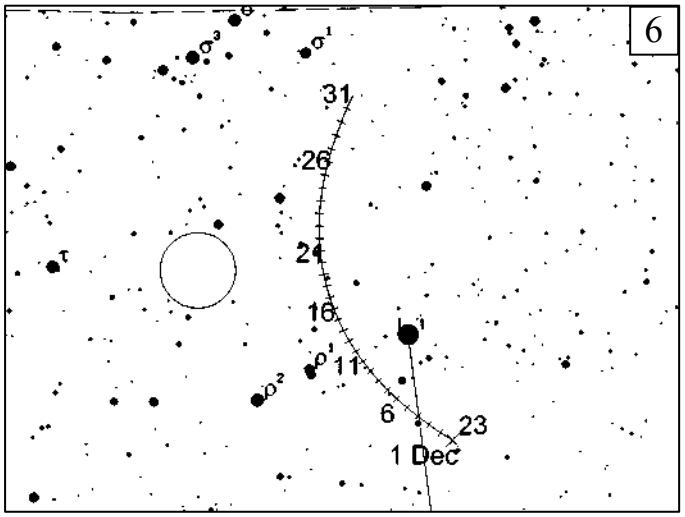
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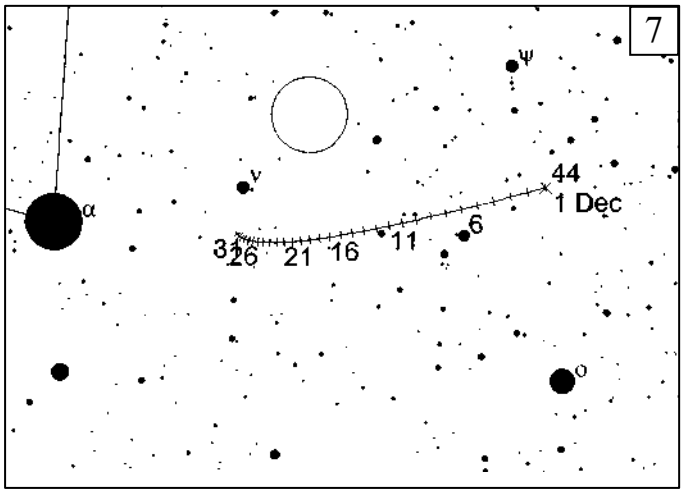
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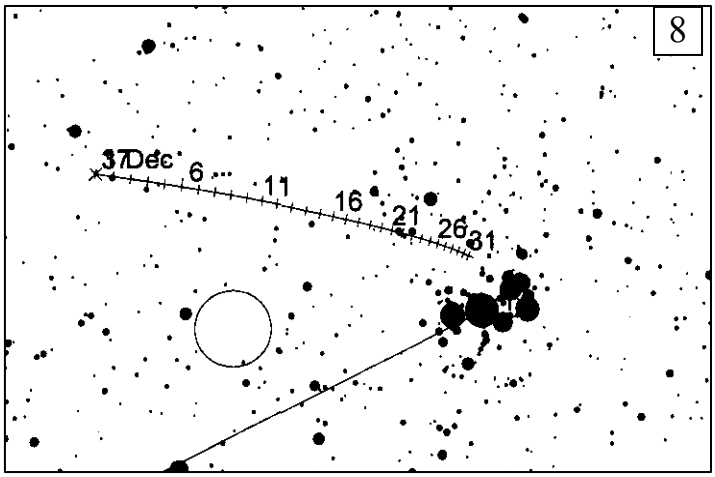
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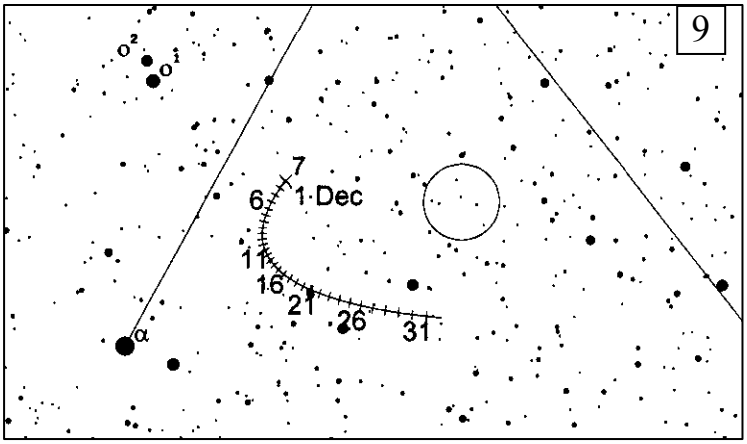
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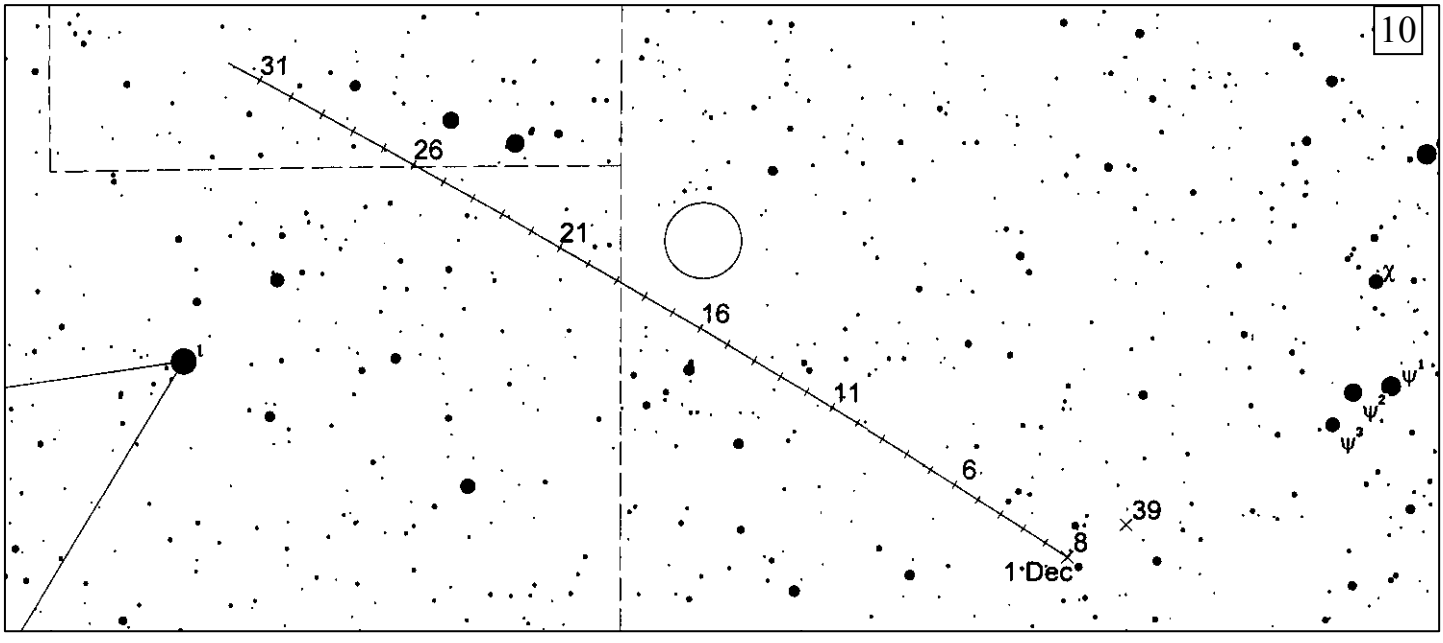
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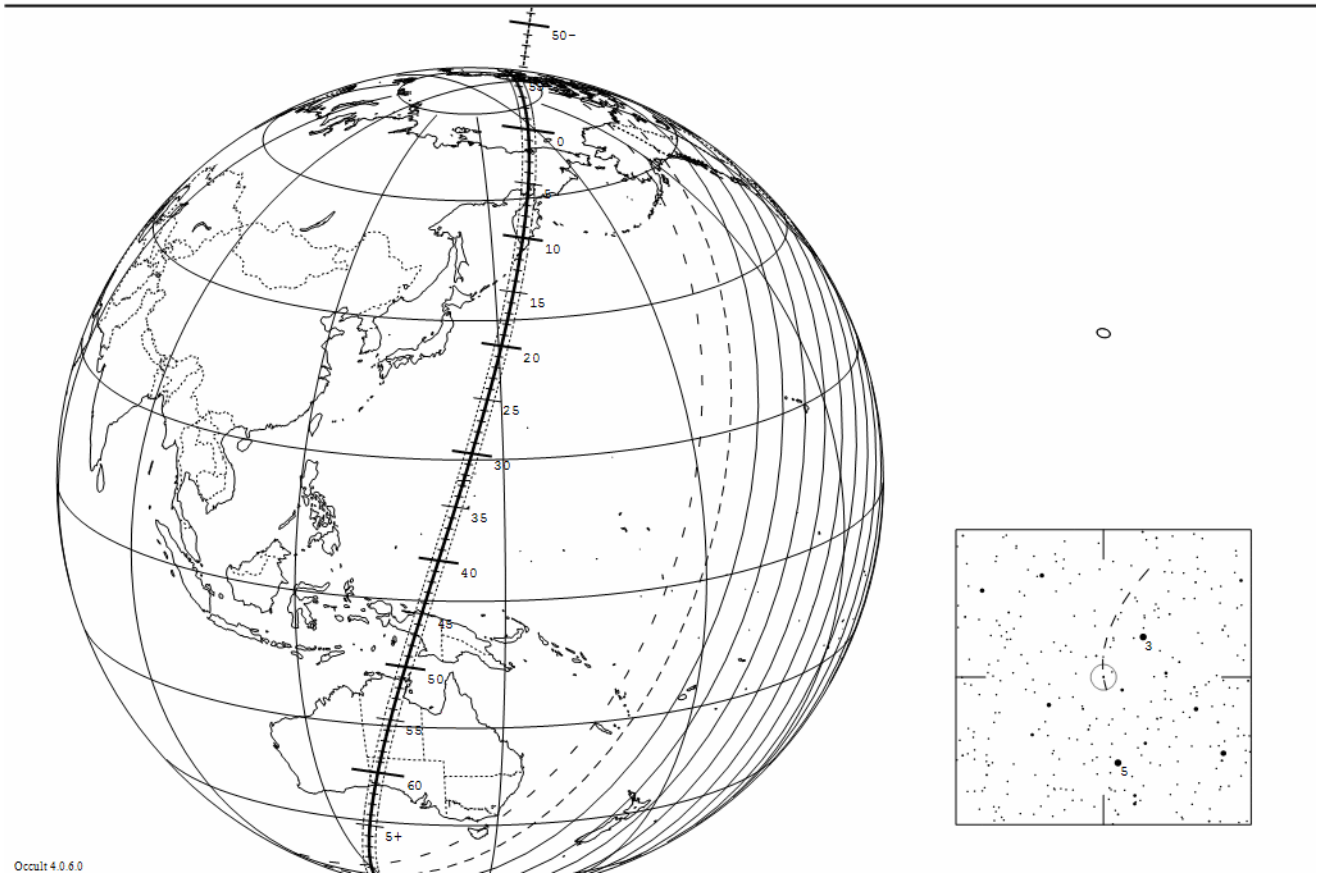
Карты покрытий звезд астероидами в декабре 2010 года
(http://www.asteroidoccultation.com/2010_12_si.htm)

2843 Yeti occults TYC 1380-01655-1 on 2010 Dec 3 from 16h 54m to 18h 11m UT

Star:
Mv = 9.6 Mp = 10.9 Mr = 8.9
RA = 8 1 54.757 (J2000)
Dec = 17 2 9.91 ...
[of Date: 8 2 34, 17 0 14]
Prediction of 2009 Apr 19.0

Max Duration = 3.6 secs
Mag Drop = 6.6 (6.9r)
Sun : Dist = 132 deg
Moon: Dist =106 deg
: illum = 5 %
E 0.109"x 0.071" in PA 105

Asteroid:
Mag =16.2
Dia = 10km, 0.011"
Parallax = 6.734"
Hourly dRA =-0.108s
dDec =-10.50"



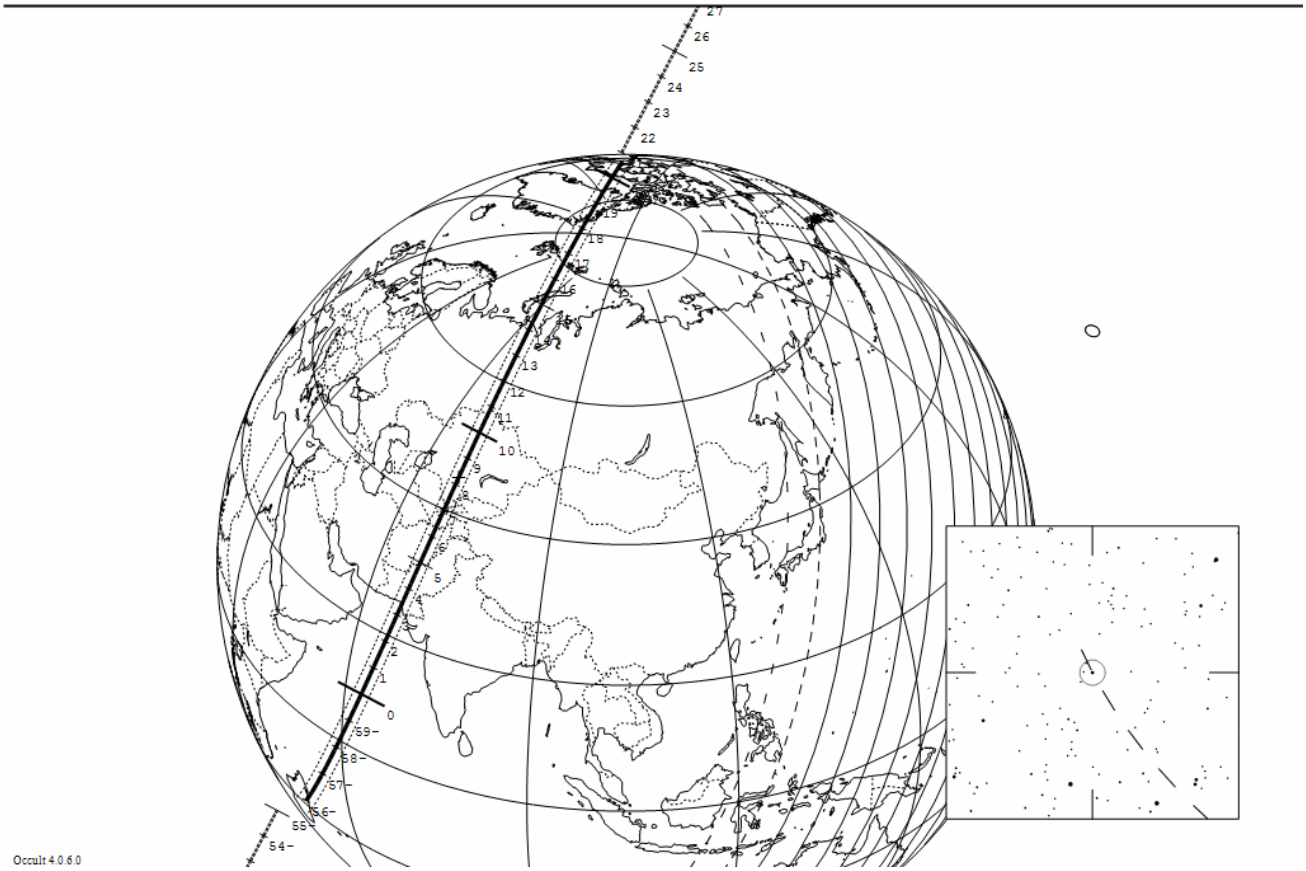
Occult 4.0.6.0

2337 Boubin occults HIP 44794 on 2010 Dec 5 from 20h 56m to 21h 21m UT

Star:
Mv = 8.2 Mp = 8.6 Mr = 8.0
RA = 9 7 44.104 (J2000)
Dec = 37 4 26.77 ...
[of Date: 9 8 27, 37 1 33]
Prediction of 2009 Apr 19.0

Max Duration = 3.4 secs
Mag Drop = 7.6 (7.4r)
Sun : Dist = 123 deg
Moon: Dist =125 deg
: illum = 0 %
E 0.102"x 0.074" in PA 112

Asteroid:
Mag =15.8
Dia = 25km, 0.022"
Parallax = 5.659"
Hourly dRA = 0.917s
dDec = 20.97"



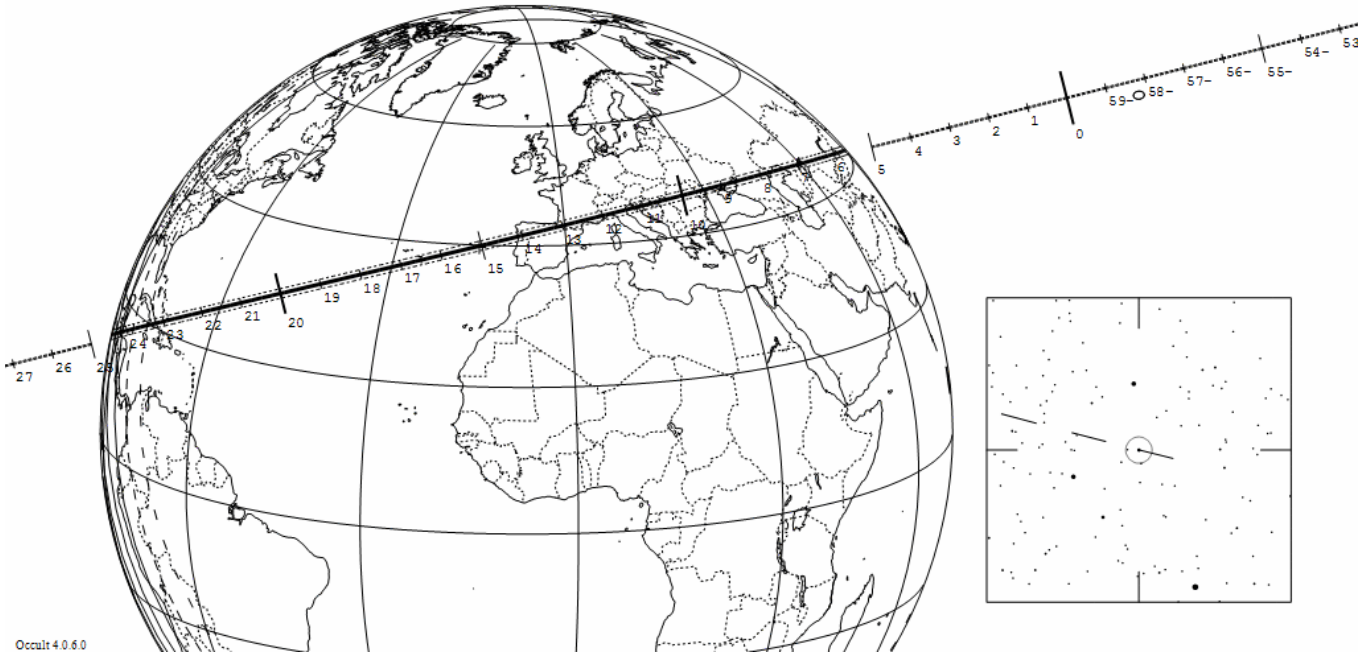
Occult 4.0.6.0

2653 Principia occults HIP 18145 on 2010 Dec 7 from 23h 6m to 23h 25m UT

Star:
Mv = 9.0 Mp = 10.3 Mr = 8.3
RA = 3 52 47.129 (J2000)
Dec = 13 56 48.60 ...
[of Date: 3 53 26, 13 58 51]
Prediction of 2009 Apr 19.0

Max Duration = 2.0 secs
Mag Drop = 6.4 (6.7r)
Sun : Dist = 162 deg
Moon: Dist =136 deg
: illum = 6 %
E 0.077"x 0.057" in PA 84

Asteroid:
Mag =15.4
Dia = 20km, 0.019"
Parallax = 6.040"
Hourly dRA =-2.278s
dDec = -8.38"



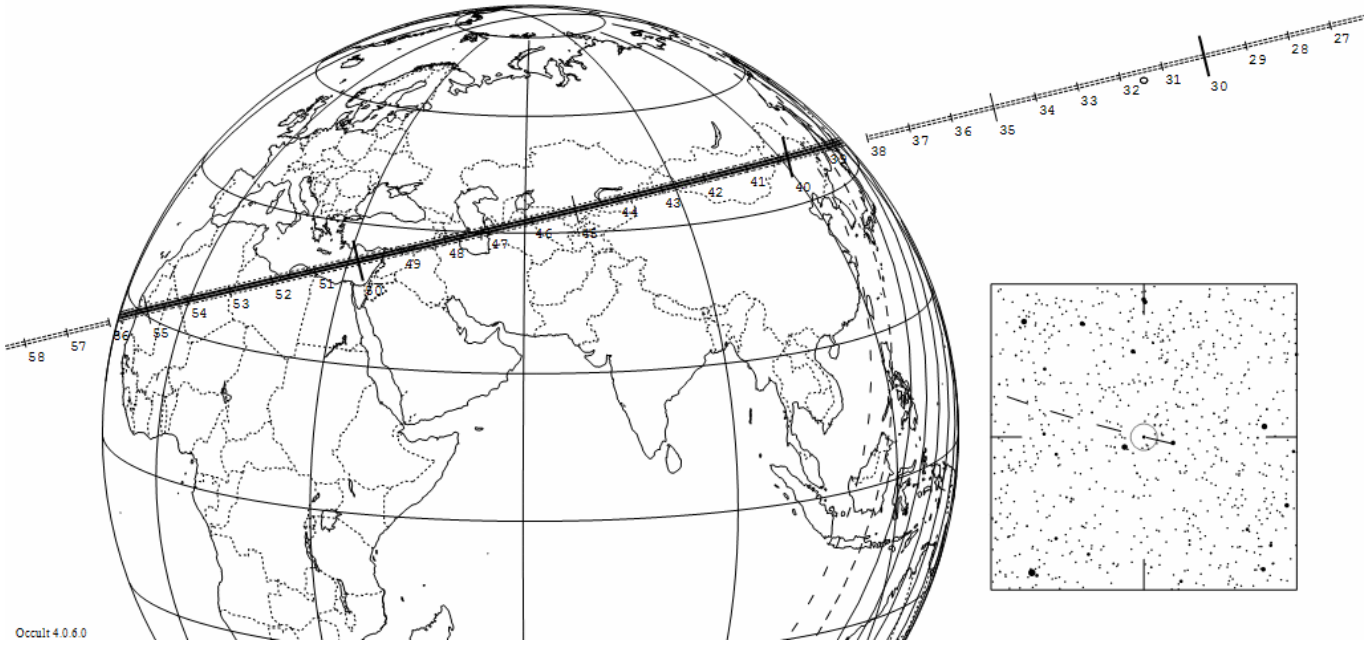
Occult 4.0.6.0

374 Burgundia occults TYC 0756-01138-1 on 2010 Dec 8 from 21h 38m to 21h 56m UT

Star:
Mv = 8.7 Mp = 9.7 Mr = 8.2
RA = 7 0 38.860 (J2000)
Dec = 11 50 23.93 ...
[of Date: 7 1 18, 11 49 25]
Prediction of 2009 Apr 19.0

Max Duration = 4.2 secs
Mag Drop = 4.6 (4.7r)
Sun : Dist = 150 deg
Moon: Dist =167 deg
: illum = 11 %
E 0.035"x 0.028" in PA 94

Asteroid:
Mag =13.3
Dia = 46km, 0.031"
Parallax = 4.236"
Hourly dRA =-1.704s
dDec = -6.08"



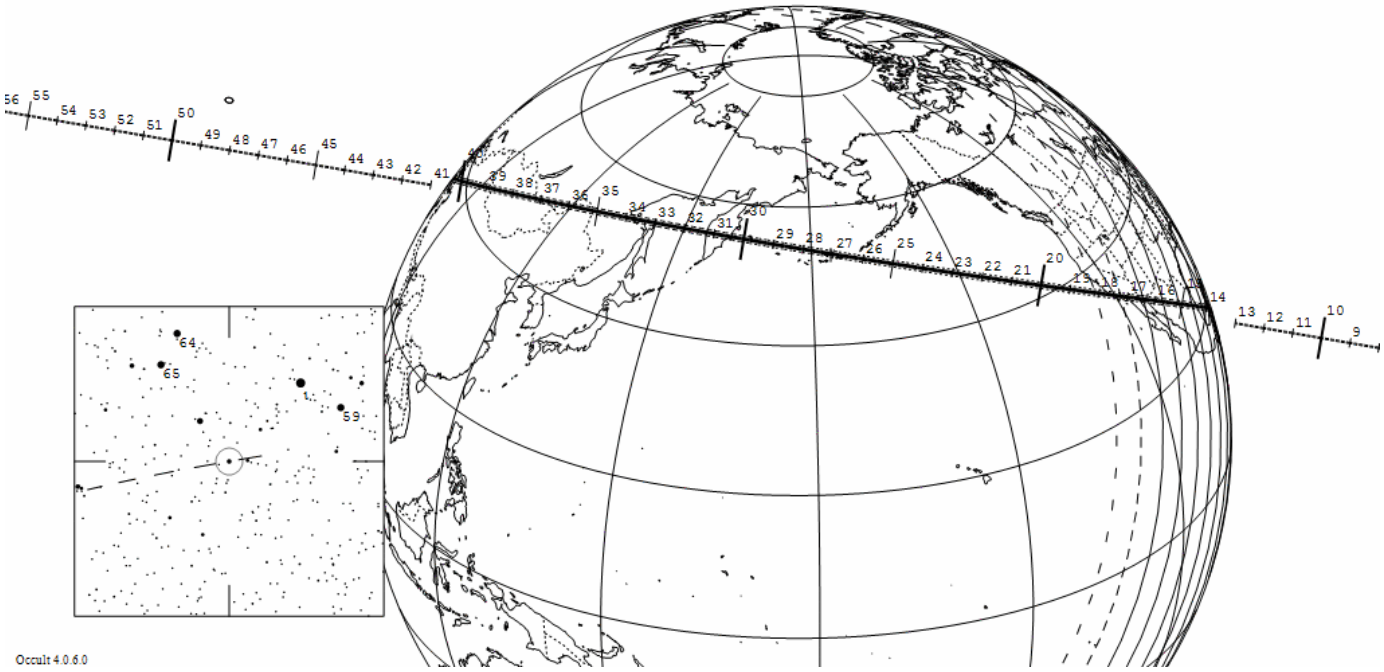
Occult 4.0.6.0

1662 Hoffmann occults HIP 36243 on 2010 Dec 9 from 14h 14m to 14h 40m UT

Star:
Mv = 7.3 Mp = 8.3 Mr = 6.8
RA = 7 27 48.834 (J2000)
Dec = 27 17 31.77 ...
[of Date: 7 28 32, 27 16 3]
Prediction of 2009 Apr 19.0

Max Duration = 2.5 secs
Mag Drop = 7.7 (7.8r)
Sun : Dist = 148 deg
Moon: Dist =164 deg
: illum = 15 %
E 0.051"x 0.034" in PA 101

Asteroid:
Mag =15.0
Dia = 18km, 0.016"
Parallax = 5.531"
Hourly dRA =-1.653s
dDec = 3.78"



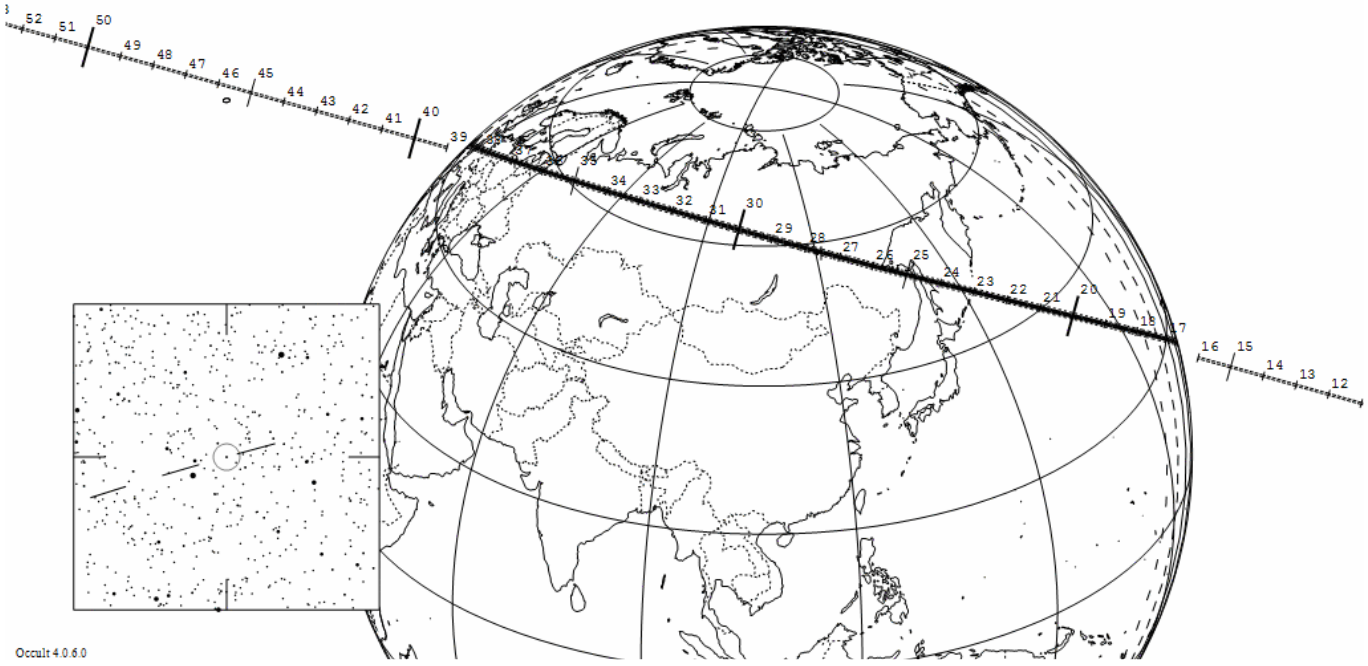
Occult 4.0.6.0

1664 Felix occults TYC 2405-00076-1 on 2010 Dec 9 from 17h 17m to 17h 39m UT

Star:
Mv = 9.2 Mp = 9.6 Mr = 9.0
RA = 5 47 10.192 (J2000)
Dec = 30 39 22.33 ...
[of Date: 5 47 55, 30 39 35]
Prediction of 2009 Apr 19.0

Max Duration = 3.4 secs
Mag Drop = 5.1 (4.9r)
Sun : Dist = 168 deg
Moon: Dist =141 deg
: illum = 16 %
E 0.065"x 0.039" in PA 84

Asteroid:
Mag =14.3
Dia = 29km, 0.037"
Parallax = 8.113"
Hourly dRA =-2.879s
dDec = 10.39"



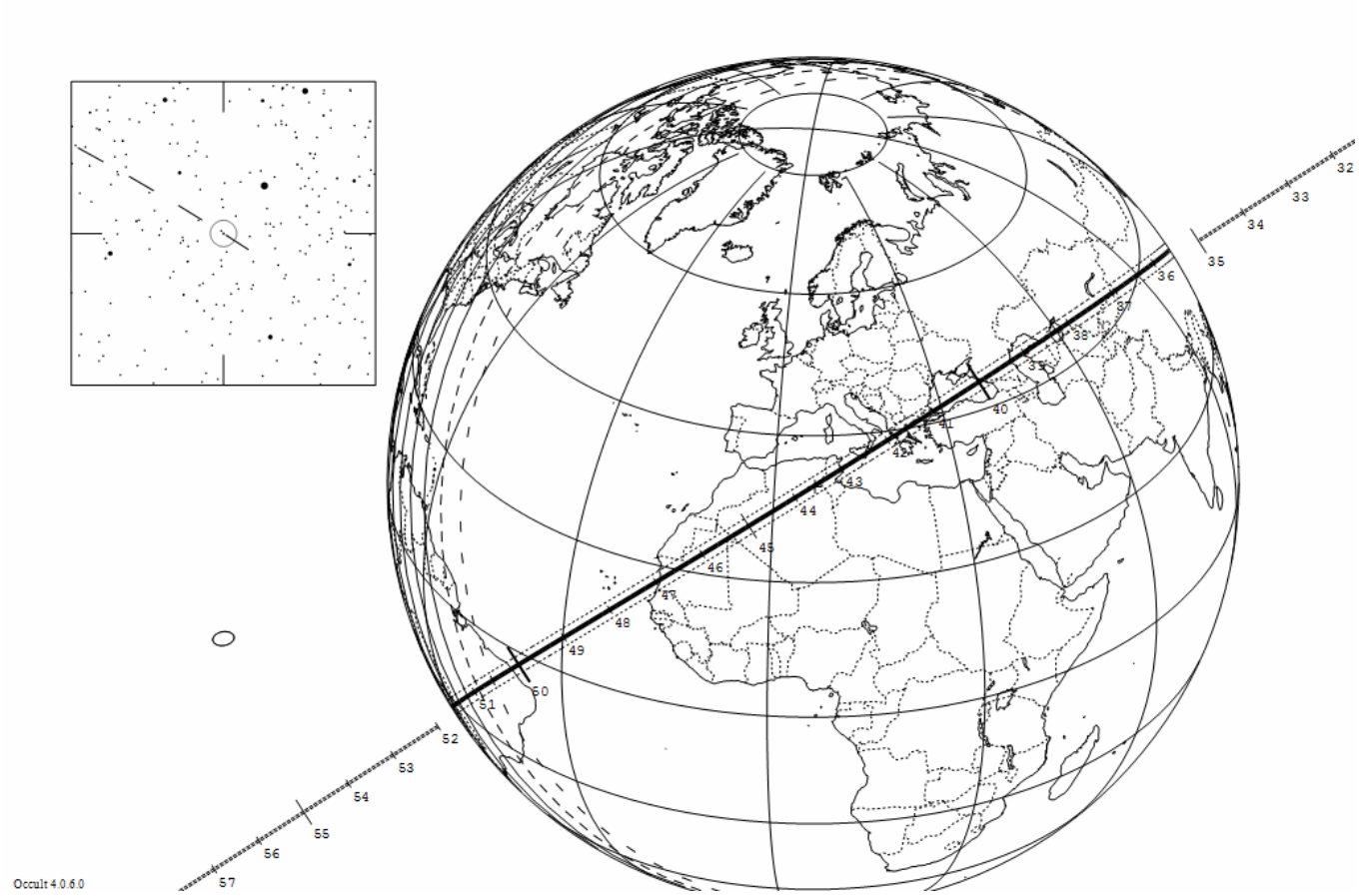
Occult 4.0.6.0

5374 Hokutosei occults TYC 2346-00554-1 on 2010 Dec 11 from 21h 36m to 21h 52m UT

Star:
Mv = 9.1 Mp = 9.9 Mr = 8.7
RA = 3 29 38.395 (J2000)
Dec = 33 29 37.29 ...
[of Date: 3 30 22, 33 32 2]
Prediction of 2009 Apr 19.0

Max Duration = 2.3 secs
Mag Drop = 7.2 (7.2r)
Sun : Dist = 155 deg
Moon: Dist = 86 deg
: illum = 34 %
E 0.092"x 0.059" in PA 80

Asteroid:
Mag =16.3
Dia = 31km, 0.018"
Parallax = 3.637"
Hourly dRA =-1.831s
dDec =-14.65"

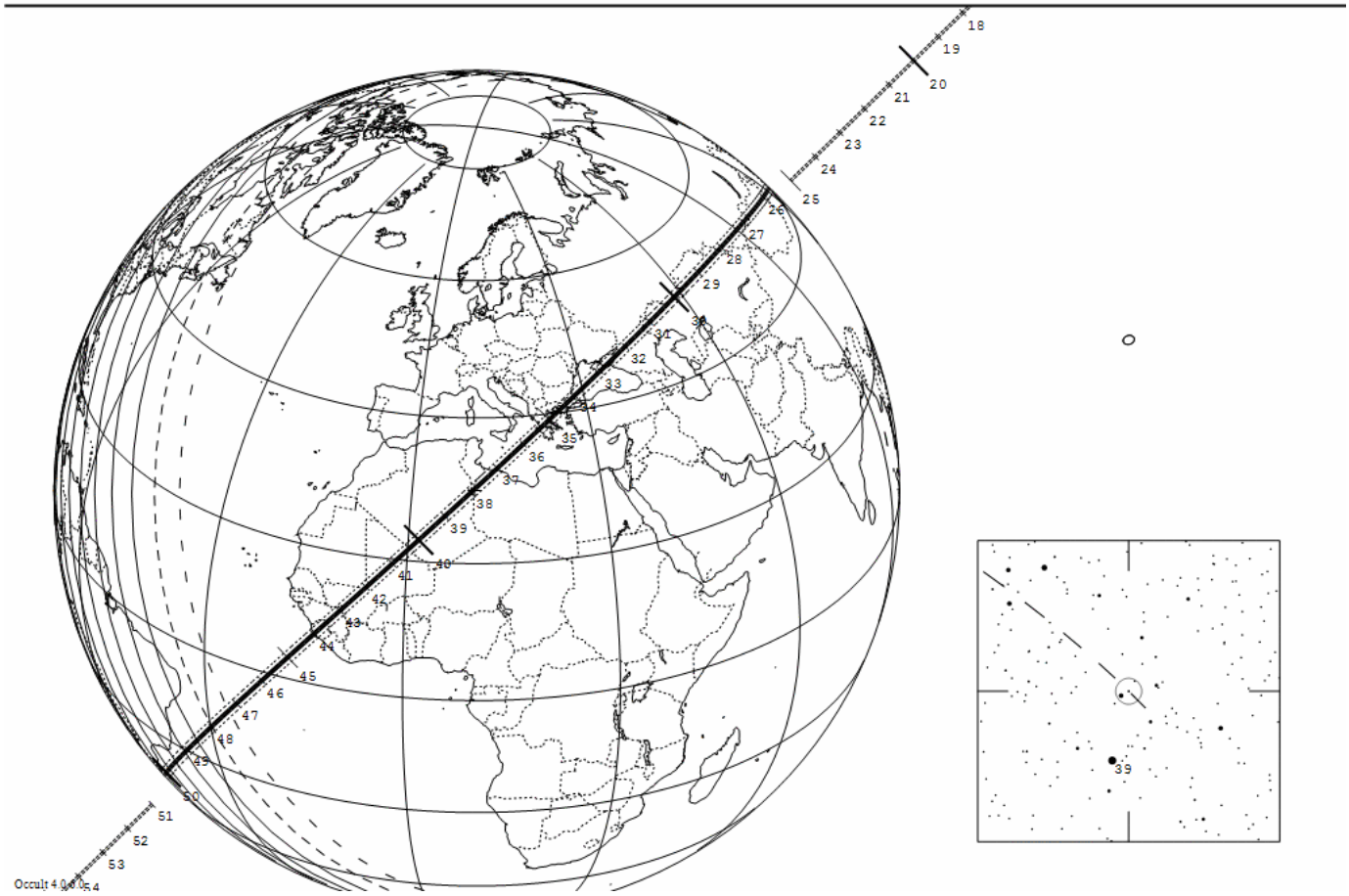


2928 Epstein occults TYC 1780-01028-1 on 2010 Dec 13 from 20h 26m to 20h 50m UT

Star:
Mv = 9.2 Mp = 11.0 Mr = 8.2
RA = 2 47 24.601 (J2000)
Dec = 29 42 27.93 ...
[of Date: 2 48 6, 29 45 24]
Prediction of 2009 Apr 19.0

Max Duration = 3.8 secs
Mag Drop = 6.6 (7.1r)
Sun : Dist = 145 deg
Moon: Dist = 53 deg
: illum = 53 %
E 0.059"x 0.046" in PA 71

Asteroid:
Mag =15.8
Dia = 33km, 0.023"
Parallax = 4.373"
Hourly dRA =-1.168s
dDec =-14.93"

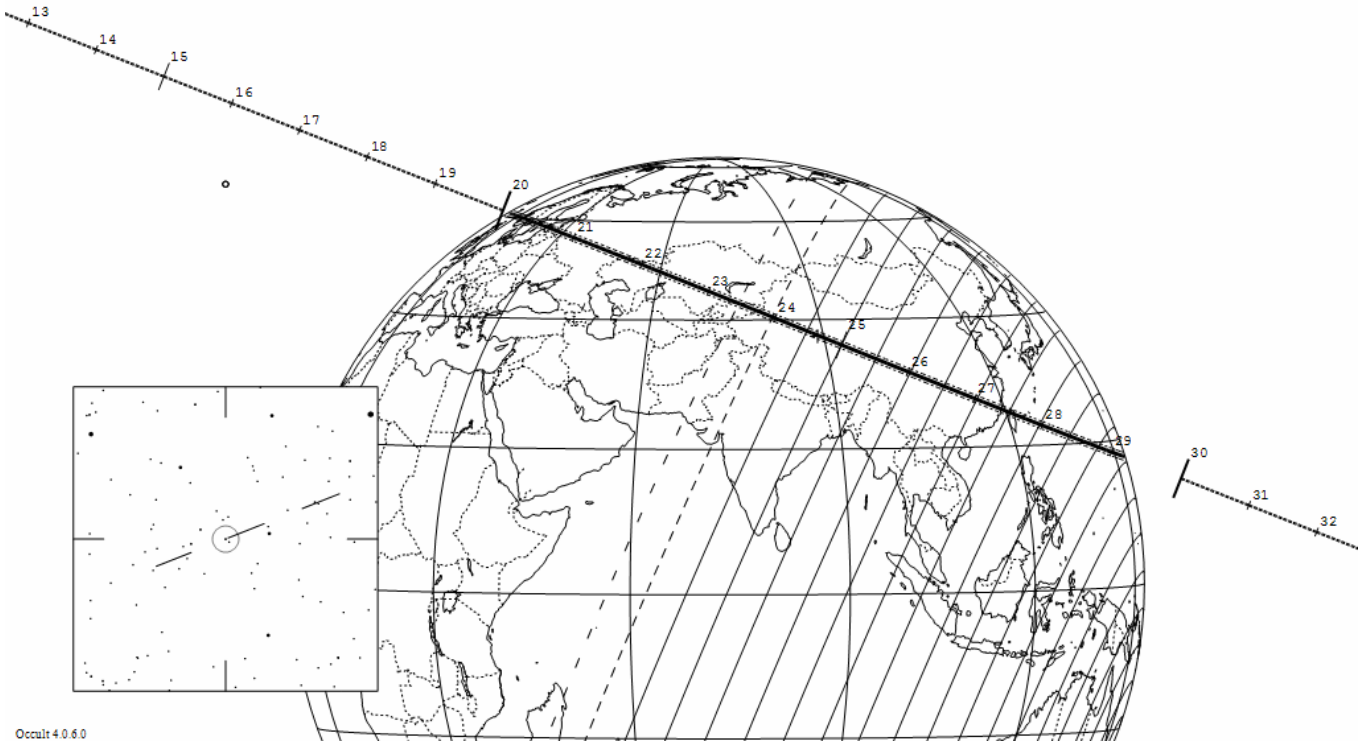


317 Roxane occults TYC 0272-00673-1 on 2010 Dec 15 from 1h 20m to 1h 29m UT

Star:
Mv = 9.5 Mp = 9.9 Mr = 9.3
RA = 11 46 14.367 (J2000)
Dec = 1 32 32.71 ...
[of Date: 11 46 49, 1 28 47]
Prediction of 2009 Apr 19.0

Max Duration = 1.0 secs
Mag Drop = 5.4 (5.2r)
Sun : Dist = 87 deg
Moon: Dist =166 deg
: illum = 64 %
E 0.026"x 0.025" in PA 98

Asteroid:
Mag =14.9
Dia = 19km, 0.011"
Parallax = 3.763"
Hourly dRA = 2.395s
dDec =-14.20"

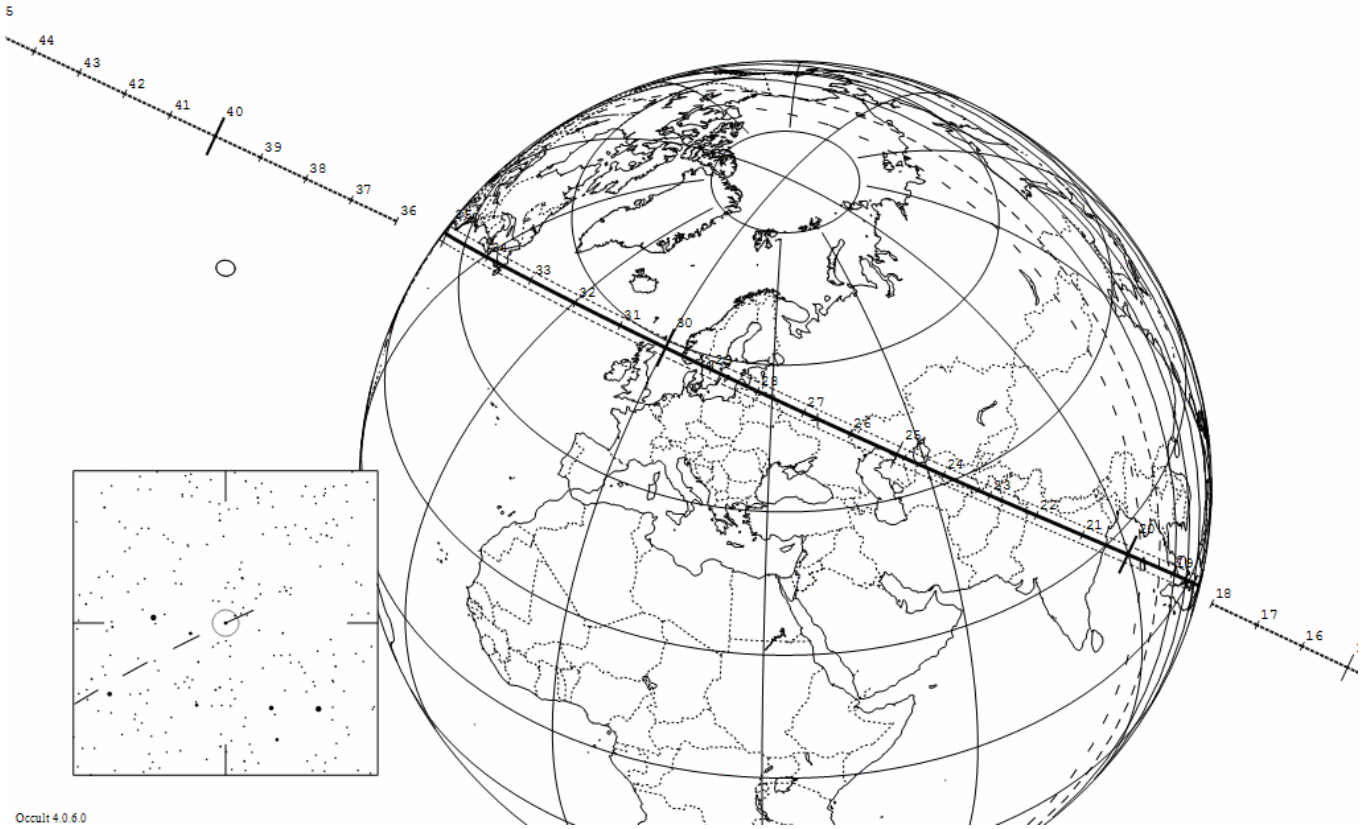


4212 Sansyu-Asuke occults HIP 35927 on 2010 Dec 17 from 23h 18m to 23h 35m UT

Star:
Mv = 8.5 Mp = 9.8 Mr = 7.8
RA = 7 24 22.174 (J2000)
Dec = 43 13 25.82 ...
[of Date: 7 25 12, 43 11 58]
Prediction of 2009 Apr 19.0

Max Duration = 1.4 secs
Mag Drop = 7.5 (7.8r)
Sun : Dist = 151 deg
Moon: Dist = 62 deg
: illum = 88 %
E 0.093"x 0.077" in PA 99

Asteroid:
Mag =16.0
Dia = 17km, 0.011"
Parallax = 4.178"
Hourly dRA =-2.439s
dDec = 12.50"

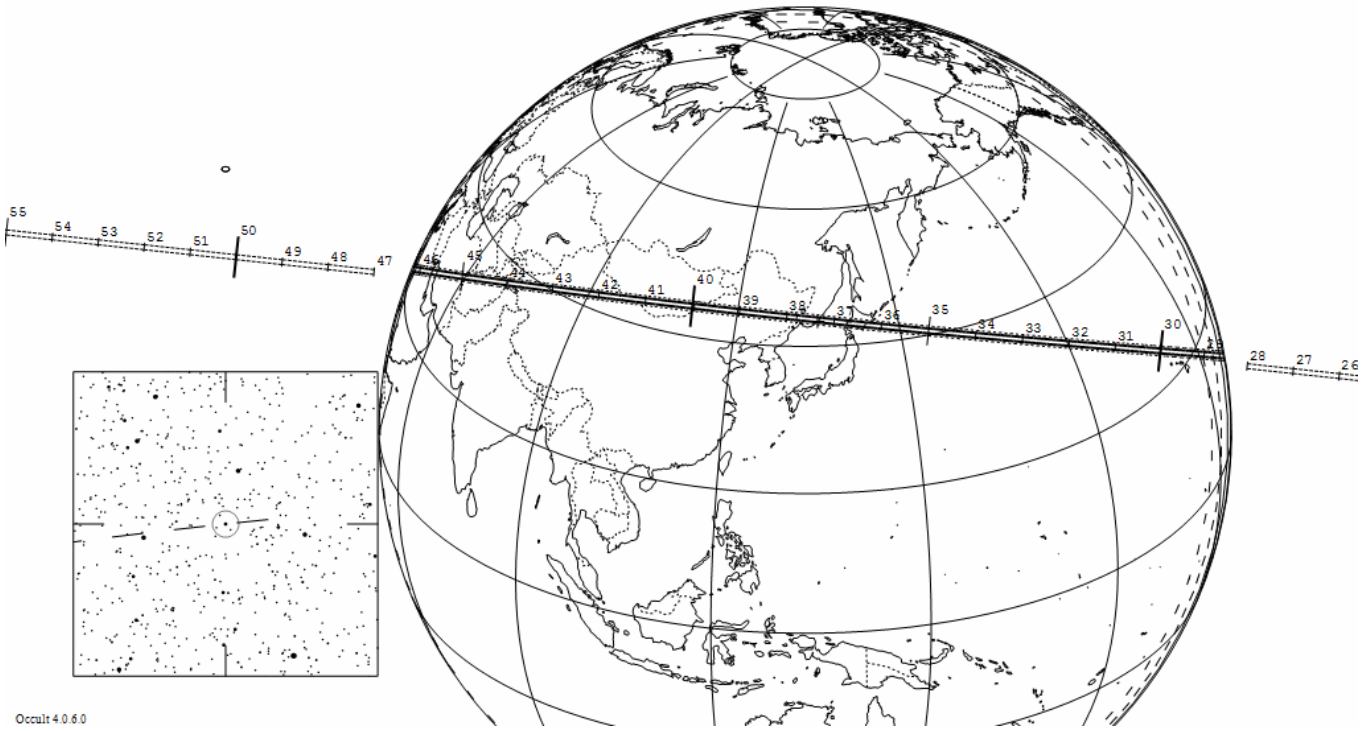


257 Silesia occults TYC 1886-01743-1 on 2010 Dec 19 from 15h 28m to 15h 46m UT

Star:
Mv = 8.7 Mp = 9.6 Mr = 8.2
RA = 6 20 21.428 (J2000)
Dec = 28 4 37.68 ...
[of Date: 6 21 6, 28 4 16]
Prediction of 2009 Apr 19.0

Max Duration = 6.3 secs
Mag Drop = 4.6 (4.7r)
Sun : Dist = 172 deg
Moon: Dist = 28 deg
: illum = 97 %
E 0.043"x 0.028" in PA 90

Asteroid:
Mag =13.3
Dia = 73km, 0.055"
Parallax = 4.803"
Hourly dRA =-2.349s
dDec = 3.35"



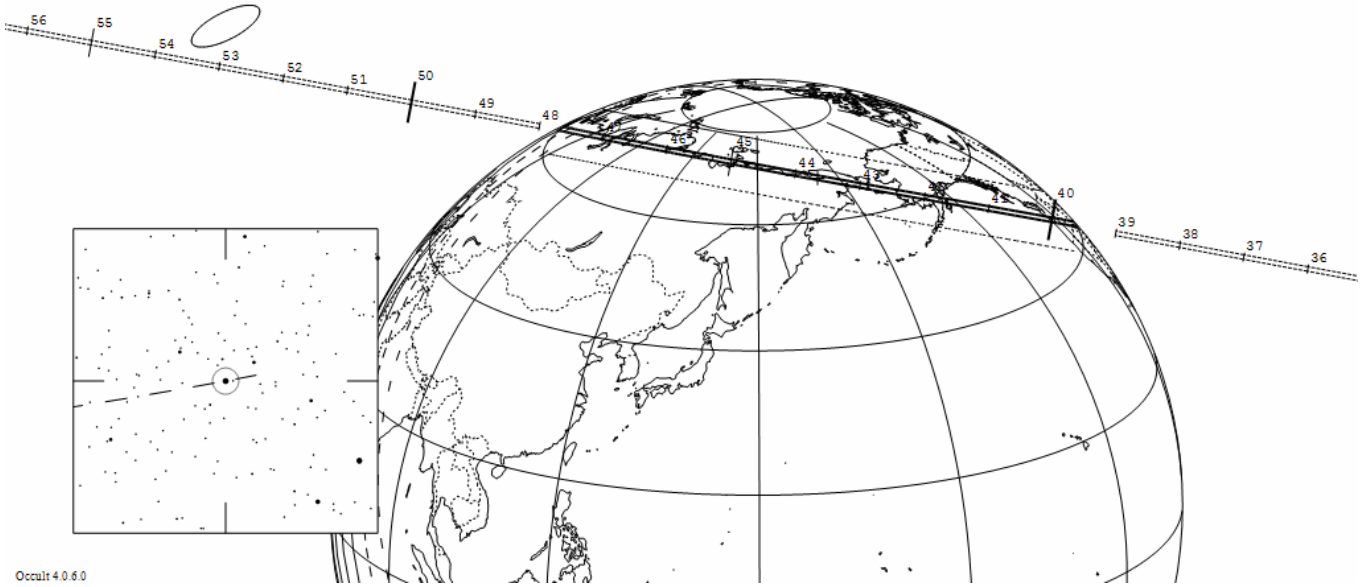
Occult 4.0.6.0

4836 Medon occults HIP 21517 on 2010 Dec 20 from 12h 40m to 12h 48m UT

Star:
Mv = 6.5 Mp = 7.3 Mr = 6.1
RA = 4 37 14.778 (J2000)
Dec = 18 32 34.86 ...
[of Date: 4 37 56, 18 33 57]
Prediction of 2009 Apr 19.0

Max Duration = 4.2 secs
Mag Drop = 9.6 (9.6r)
Sun : Dist = 162 deg
Moon: Dist = 9 deg
: illum = 99 %
E 0.205"x 0.074" in PA 63

Asteroid:
Mag =16.1
Dia = 68km, 0.025"
Parallax = 2.314"
Hourly dRA =-1.466s
dDec = 3.88"



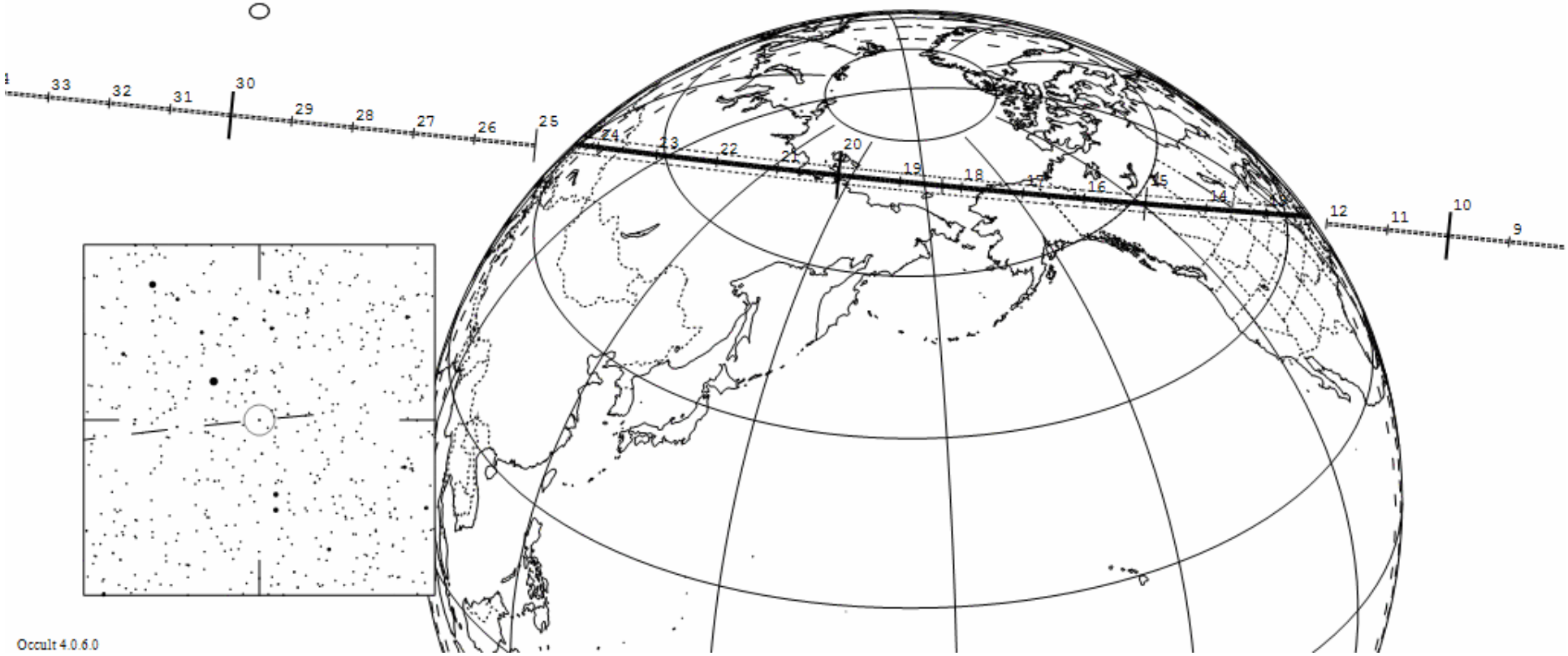
Occult 4.0.6.0

3078 Horrocks occults TYC 2424-00662-1 on 2010 Dec 25 from 12h 12m to 12h 24m UT

Star:
Mv = 9.6 Mp = 10.8 Mr = 9.0
RA = 6 11 5.998 (J2000)
Dec = 32 28 22.42 ...
[of Date: 6 11 52, 32 28 11]
Prediction of 2009 Apr 19.0

Max Duration = 2.3 secs
Mag Drop = 6.3 (6.5r)
Sun : Dist = 171 deg
Moon: Dist = 57 deg
: illum = 79 %
E 0.082"x 0.062" in PA 87

Asteroid:
Mag =15.9
Dia = 30km, 0.020"
Parallax = 4.198"
Hourly dRA =-2.464s
dDec = 3.09"



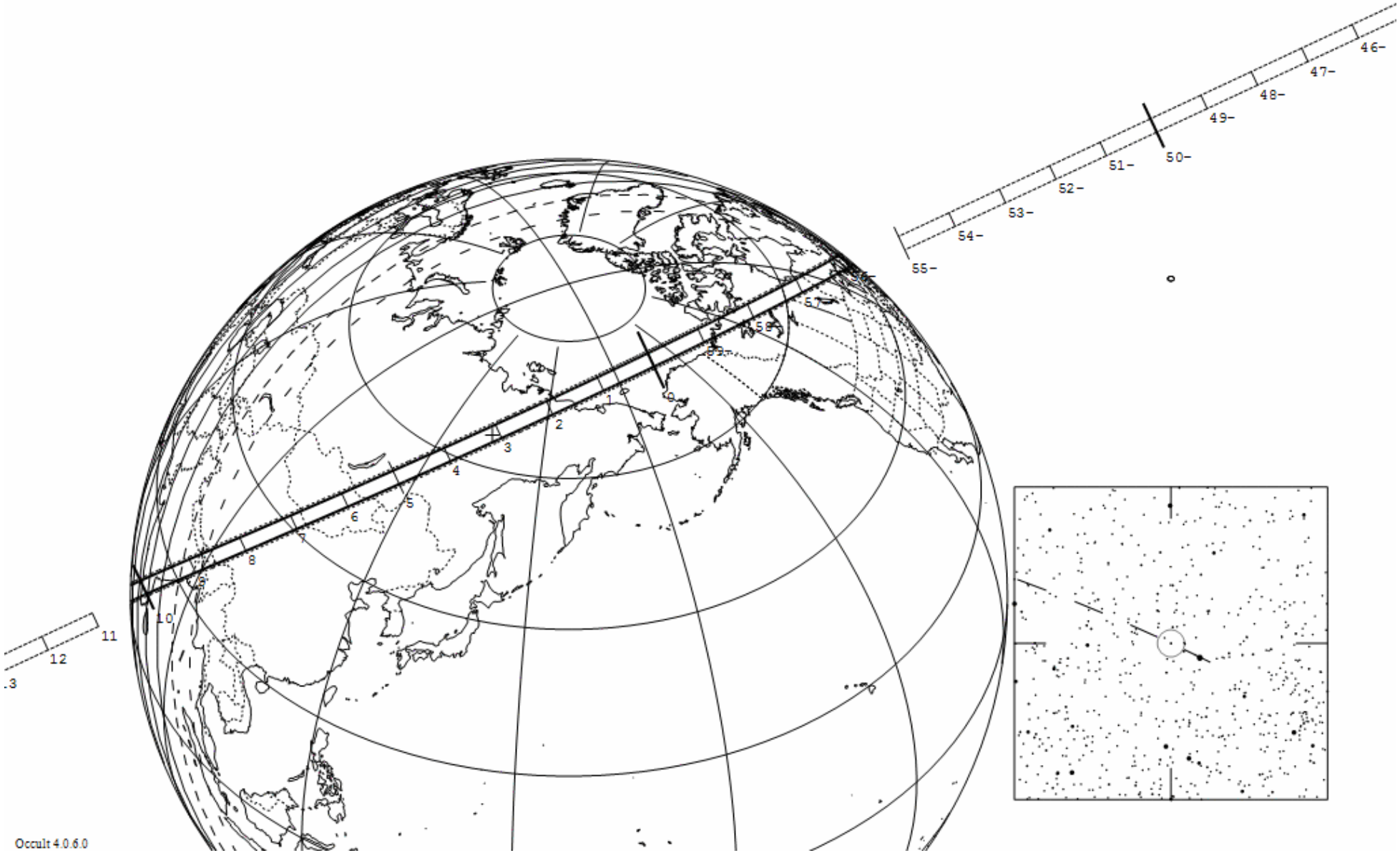
Occult 4.0.6.0

375 Ursula occults TYC 2906-00929-1 on 2010 Dec 27 from 11h 56m to 12h 10m UT

Star:
Mv = 9.7 Mp = 10.7 Mr = 9.2
RA = 4 55 52.739 (J2000)
Dec = 44 9 12.34 ...
[of Date: 4 56 44, 44 10 19]
Prediction of 2009 Apr 20.0

Max Duration = 16.0 secs
Mag Drop = 2.8 (2.9r)
Sun : Dist = 152 deg
Moon: Dist =100 deg
: illum = 58 %
E 0.027"x 0.020" in PA 87

Asteroid:
Mag =12.4
Dia = 216km, 0.125"
Parallax = 3.706"
Hourly dRA =-2.373s
dDec =-11.97"



Occult 4.0.6.0