

57 Mnemosyne to Occult TYC 0034-0960-1

Tony Barry/Dave Gault

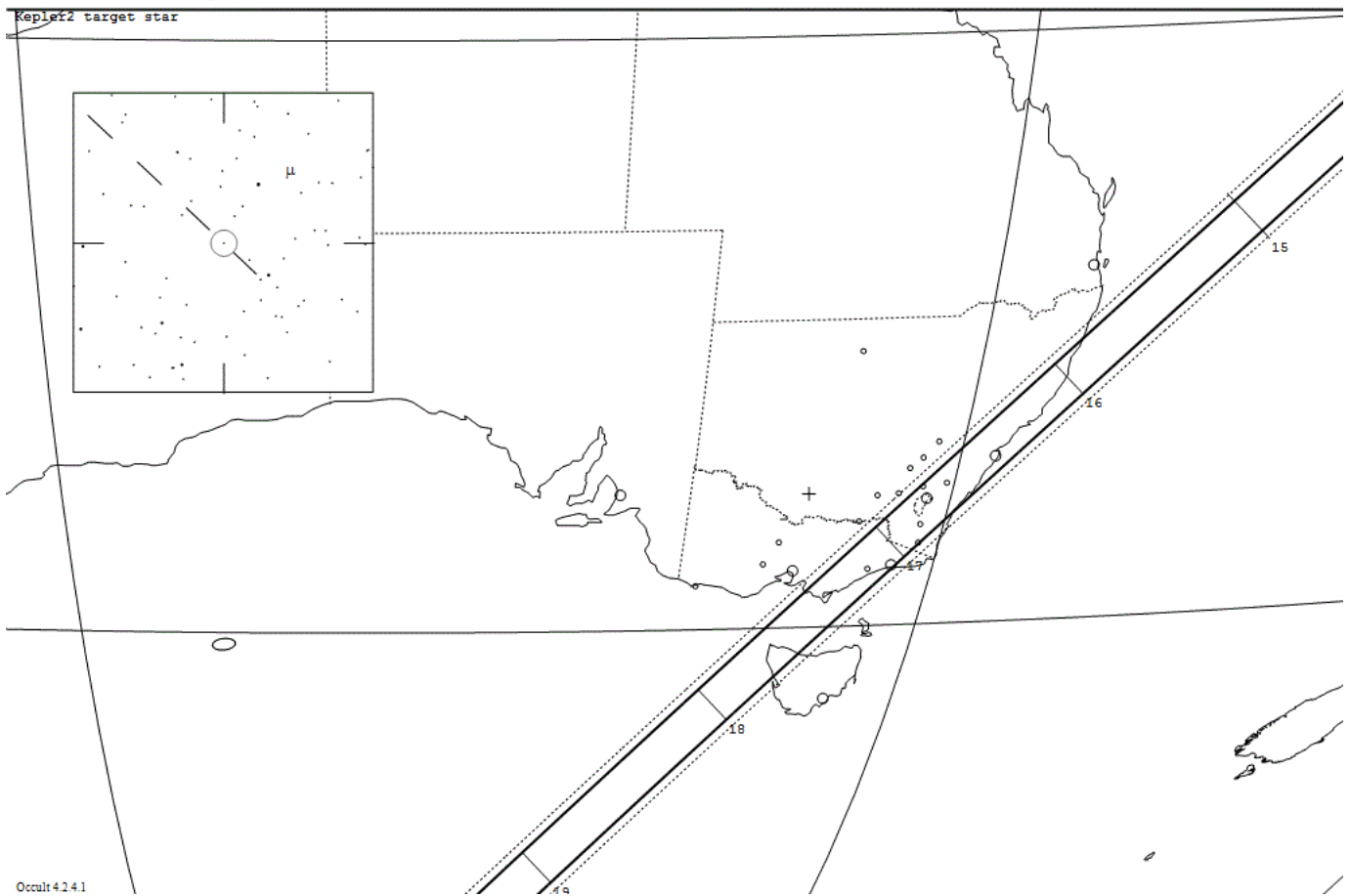
The minor planet 57 Mnemosyne, currently in Pisces, is expected to occult the magnitude 10 star TYC 0034-0960-1 on the evening of Sunday 30th October - at 1:16am local time (technically Monday morning). This is a fairly bright star in occultation by a well described minor planet giving a drop of 1.2 magnitudes for a maximum of 10.2 seconds, at an altitude of 46° in the north-west, and has a confidence of 97% for the Sydney basin.

57 Mnemosyne occults TYC 0034-0960-1 on 2016 Oct 30 from 14h 8m to 14h 21m UT

Star:
Mv = 10.2 Mp = 10.8 Mr = 9.9
RA = 1 31 45.5098 (J2000)
Dec = 5 34 58.235
[of Date: 1 32 39, 5 40 9]
Prediction of 2016 Sep 26.0

Max Duration = 10.2 secs
Mag Drop = 1.2 (1.1r)
Sun : Dist = 165 deg
Moon: Dist = 167 deg
illum = 0 %
E 0.026"x 0.013" in PA 84

Asteroid:
Mag = 11.0
Dia = 123km, 0.092"
Parallax = 4.777"
Hourly dRA = -1.570s
dDec = -22.15"



More info here ...

http://www.asteroidoccultation.com/2016_10/1030_57_37192.htm

At the time of this writing, there were five observers listed on OccultWatcher as being interested in the event, located from Canberra to Sydney.

If you would like to participate, send an email to ... enquiry@wsaag.org