

Planetary and asteroidal occultations in Belgium

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EAON, GEOS, FFAAB



1959/07/07, occultation of Regulus by Venus
(Falise, Velghe, Meeus + 28 other stations)

1961/10/02, 1st asteroidal occultation (2 Pallas, India)

1978/12/06, first asteroidal occultation attempt in Belgium (29 Amphitrite, Dourbes)

1996/01/29, first confirmed positive asteroidal occultation in Belgium (893 Leopoldina, Polfliet, Boninsegna, Regheere, Bakker)



EAON and IOTA/ES

1979, first European network mainly GEOS observers and Meudon Observatory facilities. Informations sent by post (J. Lecacheux)

1984, the network is included in GEOS structure. First predictions by Edwin Goffin

1988, EAON continues the work and extend thanks to IOTA/ES observers

Nowadays, thanks to devoted people all over the world, computer technologies, internet facilities, telescopes, video cameras, Hipparcos and Gaia astrometric space missions, more and more positive observations are recorded.



From left to right: R. Dusser, J. Schwaenen, R. Boninsegna



From left to right: V. Tsamis, B. Goffin, T. Pauwels, R. Bourtembourg, R. Boninsegna, J. Bourgeois (© V. Tsamis)

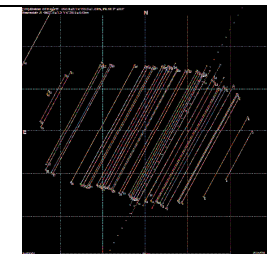
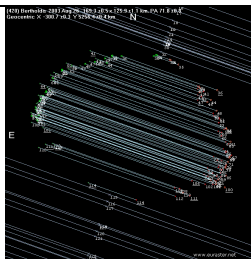
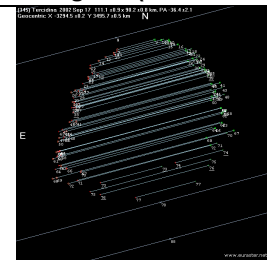
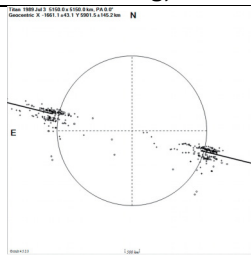
BEST RESULTS

1989/07/03, 28 Sgr occultation by Titan
221 observers (mainly visual) + light curves from professional (D.Herald et al., JOA 2018-2, 6)

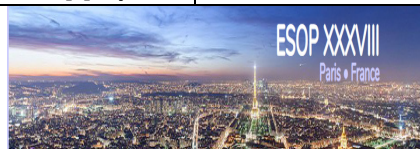
2002/09/17, 345 Tercidina, 75 chords, 105 observers, 17 countries

2003/08/26, 420 Bertholda, 71 chords, 145 observers, 14 countries

2018/04/21, 130 Elektra, 41 chords, 48 observers, 7 countries (© E. Frappa)



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