

ASTEROIDAL OCCULTATION - REPORT FORM

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|          EAON          | |          IOTA/ES          |
| EUROPEAN ASTEROIDAL  | | INTERNATIONAL OCCULTATION |
| OCCULTATION NETWORK  | | TIMING ASSOCIATION        |
|                       | | EUROPEAN SECTION          |
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1 DATE 2018/12/05): STAR: UCAC4-600-012360 ASTEROID: LEDA N°38

2 OBSERVER: Name: Pascal ANDRE (31-France) Abbr:
 E-mail: pascal.andre9@free.fr
 Address:7 rue du 19 mars 1962 -31570 Ste Foy d'Aigrefeuille (France)

3 OBSERVING STATION: Nearest city: Belesta en Lauragais (31 - France)
 Station: Belesta observatory (MPC code A05)
 Longitude N 43 26 39.4 (WGS84)
 Latitude E 01 48 58.6 (WGS84)
 Altitude (m): 234 (MSL)

Double station (Specify observer's name):

T300mm Watec/Iota

Drift Scan T82cm

Observers :

- Patrick Martinez
- Dominique Toublanc
- Maité Ritoux
- Marie-Lise Faye
- Jean-Christophe Lachurié
- Patrick Bax
- Frédéric Pailler
- Pascal Bonneau
- Cédric Latgé
- Lorian Berte
- Pascal André

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4 TIMING OF EVENTS:  +-----+
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|  EVENT REPORTED: POSITIVE  |
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Event code

S: observation Start I: Interruption start
 D: Disappearance J: Interruption end
 R: Reappearance B: Blink F: Flash
 E: observation End O: Other (specify)

Abbreviations

P.E.: Personal Equation = reaction time (for visual obs)
 Acc.: Accuracy (overall accuracy of the given time)

Event Code	Time (UT) HH:MM:SS.ss	P.E. S.ss	Acc. S.ss	Comments
S	- 21 50	-	-	:
-	-	-	-	:
D	- 22 02 20.89	-	-0.08	:
R	- 22 02 29.61	-	-0.16	:
-	-	-	-	:

E - 22 10 - - :

Duration : 8.72s

Mid-event :

see corresponding light curve

5 TELESCOPE: Type: Newton Reflector Aperture: 300mm F/D=5
Mount: EQ - Motor drive: AD + DEC / MCMT-PRISM control

6 TIMING & RECORDING:

Time source: IOTA-VTI GPS 1PPS

Sensor: Watec 910HX (1/2inc ccd sensor analogic PAL camera integration X8 Gain 31)

Recording: IOTA VideoCapture software (avi file lagarith codec) -USB grabber
StarTech SVID2USB23

Processing Tangra 3.3

Time insertion (specify): time stamping on each frame , OCR reading by Tangra 3.3

7 OBSERVING CONDITIONS:

Atmospheric transparency: partially clear Wind: NO Temperature: 9°C

Star image stability: Good Minor planet visible: YES

8 ADDITIONAL COMMENTS:

Watec 910HX/IOTA VTI :Correction of the internal delay applied according to
Dangl's tables (x8 integration = -0,1s)

This event was observed using 2 methods (direct observation + drift scan) by 2
teams at Belesta A05 station

A successfull positive drift-scan was made using the 820mm telescope/MORAVIAN
CCD G4-16000 of Belesta station
duration (estimated) : 8,8 s.

see détails here <http://www.qfastro.club/>