

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 2019/09/11: STAR: TYC 6816-00286-1 ASTEROID: AEGINA (91)

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):

Observers :

- Jean-Christophe Lachurié
- Cédric Latgé
- Frédéric Pailler
- Pascal André

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4 TIMING OF EVENTS:  +-----+
|                     | |
| 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	- 20 29 58 -	-	:	
-	- - -	-	:	
D	- 20 37 55.76 -	-0.08	:	
R	- 20 38 03.28 -	-0.08	:	
-	- - -	-	:	
E	- 20 43 04 -	-	:	

Duration : 7.52s  
 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 38)

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

Processing Tangra 3.6 /AOTA Tool

Time insertion (specify): time stamping on each frame , OCR reading by Tangra 3.6

7 OBSERVING CONDITIONS:

Atmospheric transparency: clear Wind: NO Temperature: 20°C

Star image stability: Good Minor planet visible: YES (mode 16x)

8 ADDITIONAL COMMENTS:

Observation at only 11° elev.

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

This event was also observed using drift scan method at Belestá (A05)

A successful positive drift-scan was made using the 820mm telescope/MORAVIAN CCD G4-16000 of Belestá station

(see corresponding report).

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