

ASTEROIDAL OCCULTATION - REPORT FORM

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|          EAON          | |          IOTA/ES          |
|          | |          INTERNATIONAL OCCULTATION |
| EUROPEAN ASTEROIDAL  | |          TIMING ASSOCIATION  |
| OCCULTATION NETWORK  | |          EUROPEAN SECTION    |
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1 DATE: 14-Nov-2009 STAR: HIP 22446 ASTEROID: (278) Paulina

2 OBSERVER: Name: Andreas Kreutzer, Robert Schaefer, Abbr:
 E-mail: andreas.kreutzer@harpoint-observatory.com
 Address:

3 OBSERVING STATION: Nearest city: Harpoint, AT
 Station:
 Latitude: 47°54'33" north
 Longitude: 13°21'06" east
 Altitude: 700m
 Datum (WGS84 preferred): WGS84

Single, OR Double or Multiple station (Specify observer's name): single

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4 TIMING OF EVENTS:  +-----+
|                    | |                    |
| OCCULTATION RECORDED: POSITIVE |
|                    | |                    |
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Type of event
 Start observation Interrupt-start Disappearance Blink Flash
 End observation Interrupt-end Reappearance Other (specify)

Event Code	Time (UT) HH MM SS.ss	P.E. S.ss	Acc. S.ss		Comments
S	02:21:40.00	-	-	:	
-	-	-	-	:	
D	02:27:19.904	0	0.02	:	
R	02:27:22.682	0	0.02	:	
-	-	-	-	:	
E	02:27:50.00	-	-	:	

Duration : 2.778 s
 Mid-event : 02:27:21.293

Was your reaction time applied to the above timings?

5 TELESCOPE: Type: Ritchey-Chrétien Aperture: 50 cm Magnification: f/8
 focus
 Mount: Fork Motor drive: yes

6 TIMING & RECORDING:
 Time source: DCF 77
 Sensor: Watec 120N, 25 frames/s
 Recording: Video Frame Grabber
 Time insertion (specify): DCF 77 time signal
 Event insertion (specify): blinking LED of DCF 77 signal recorded before
 and after the event; delay LED vs. actual time (25 ms) was subtracted

7 OBSERVING CONDITIONS:
 Atmospheric transparency: good Wind: 0 Temperature: +2°C

Star image stability: seeing 4" Minor planet visible: with 5 s
integration time before the event

8 ADDITIONAL COMMENTS: