

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 (2015/09/07): STAR: TYC 1800-02201-1 ASTEROID: 2520 Novorossijsk

2 OBSERVER: Name: Sauter Christof EAON Abbr:
 E-mail: chsauter@gmx.ch
 Address: Weinbergstr. 8, CH-9543 St.Margarethen

3 OBSERVING STATION: Nearest city: St.Margarethen / Munchwilen Schweiz
 Station: SU 362
 Longitude : 09 00 08.9 east
 Latitude : 47 29 27.7 north
 Altitude (m): 515
 Datum (WGS84 preferred):

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

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4 TIMING OF EVENTS: |           |
|                   |           |
|   EVENT REPORTED: NEGATIVE   |
|                   |           |
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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)

Comments

Event Code	Time (UT)	P.E.	Acc.	Comments
	HH:MM:SS.ss	S.ss	S.ss	
S	- 02:27:00	-	-	:
E	- 02:31:00	-	-	:

Was your reaction time applied to the above timings?

5 TELESCOPE: Type: refractor Aperture: 20 cm Magnification: 80
 Mount: equatorial Motor drive: Yes

6 TIMING & RECORDING:

Time source: radio clock

Sensor:

Recording:

Time insertion (specify):

Event insertion (specify):

7 OBSERVING CONDITIONS:

Atmospheric transparency: good Wind: no Temperature: 6°C
Star image stability: good Minor planet visible: no

8 ADDITIONAL COMMENTS:

- Visual observation

2520 Novorossijsk occults TYC 1800-02201-1 on 2015 Sep 7 from 2h 18m to 2h 39m UT

Star:
Mv = 6.3 Mp = 6.3 Mr = 6.3
RA = 3 47 21.0611 (J2000)
Dec = 24 6 57.885
[of Dates: 3 48 18, 24 9 42]
Prediction of 2015 Jul 17.0

Max Duration = 4.0 secs
Mag Drop = 10.8 (10.4x)
Sun : Dist = 104 deg
Moon: Dist = 36 deg
illum = 33 %
E 0.063"x 0.042" in PA 75

Asteroid:
Mag = 17.1
Dia = 3.5km, 0.018"
Parallax = 3.356"
Hourly dRA = 1.0215
dDec = 9.31"

