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SURVEILLANCE OF PREDICTED EVENTS
• SECOND LIST (November-December 1984)

ABSTRACT. SURVEILLANCE OF PREDICTED EVENTS : SECOND LIST (November - December 1984).

Results of some possible asteroidal occultations, from November to December 1984, are given below :

- 1984 November 12 , (238) Hypatia and AGK3 + 6° 0528
7 stations , no occultation
- 1984 December 1 , (717) Wisibada and SAO 75 930
3 stations , no occultation
- 1984 December 3 , (40) Harmonia and AGK3 + 22° 0798
1 station , no occultation
- 1984 December 9 , (418) Alemania and SAO 92 565
9 stations , no occultation
- 1984 December 16 , (82) Alkmene and SAO 118 747
1 station , no occultation
- 1984 December 16 , (184) Dejopeja and AGK3 + 24° 0505
1 station , no occultation
- 1984 December 17 , (161) Athor and AGK3 + 37° 0733
1 station , no occultation
- 1984 December 25-26 , (747) Winchester and AGK3 + 4° 0801
5 stations , no occultation .

RESUME. SURVEILLANCE DES PHENOMENES PREDITS : DEUXIEME LISTE (novembre-décembre 1984).

Les résultats de quelques occultations d'étoiles par les petites planètes, prévues pour les mois de novembre et décembre 1984 , sont donnés ci-après :

- 12 novembre 1984 , (238) Hypatia et AGK3 + 6° 0528
7 stations , pas d' occultation
- 1^{er} décembre 1984 , (717) Wisibada et SAO 75 930
3 stations , pas d' occultation
- 3 décembre 1984 , (40) Harmonia et AGK3 + 22° 0798
1 station , pas d' occultation
- 9 décembre 1984 , (418) Alemania et SAO 92 565
9 stations , pas d' occultation
- 16 décembre 1984 , (82) Alkmene et SAO 118 747
1 station , pas d' occultation
- 16 décembre 1984 , (184) Dejopeja et AGK3 + 24° 0505
1 station , pas d' occultation
- 17 décembre 1984 , (161) Athor et AGK3 + 37° 0733
1 station , pas d' occultation
- 25-26 décembre 1984 , (747) Winchester et AGK3 + 4° 0801
5 stations , pas d' occultation .

I) INTRODUCTION

Eight possible asteroidal occultations were observed during the November to December 1984 period. These results are presented in this second circular. The events were predicted by D. Dunham, E. Goffin, W. Iandgraf, G. Taylor, L.H. Wasserman and al. The observations were mainly visual, but photoelectric and video recordings were also obtained.

II) RESULTS

No occultation was observed. The following pages give complete information about these observations, but a short abstract is presented at the first page.

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Goffin, E. (1984). Occultation of SAO stars by Minor Planets
Millis, R. and al. (1984). Occultation Newsletter, 3, 159
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OBSERVER	ABBR.	PLACE	LONG.		LAT.		ALT.	INSTR.
			° E	° N	° N	m		
BAETENS C.	BAE	B BOECHOUT	4.5139	51.1419	11	T	250 v	
BAISE D.	BAS	B BRUXELLES	4.3437	50.7952	79	T	200 v	
BARUFFETTI P.	BFF	I MASSA	10.1356	44.0178	21	T	310 v	
BONINSEGNA R.	BNN	B DOORBES	4.5839	50.0915	195	T	300 v	
BOURGEOIS J.	BGS	B REUX	5.0897	50.2453	317	T	254 v	
CAVAGNA M.	CVG	I ALPE DEL VIC.	9.1872	45.8216	854	T	254 v	
COLLURANIA Obs.	col	I COLLURANIA	13.733	42.658		T	pp	
FIGER A.	FGR	F PARIS	2.333	48.828		T	207 v	
FRURU J.	FRU	B MERKSEM	4.4395	51.2579	15	T	115 v	
GUALDONI C.	GDI	I ALPE DEL VIC.	9.1879	45.8212	853	T	200 v	
HEIDMANN R.	HDN	F ST MAURICE	4.5456	47.8428	740	T	203 v	
KUCHTO S.	KCH	F GUYANCOURT	2.0540	48.7756	156	B	56 v	
LEBORGNE J-F.	FLB	F TOULOUSE	1.4472	43.5961	195	T	310 v	
LECACHEUX J.	JIX	F BAGNERES	0.1442	42.9367	2865	T	2000 v	
LHEUREUX A.	LHX	B BRUXELLES	4.3437	50.7952	79	T	200 v	
LOUYS L.	LYS	B BRUXELLES	4.3831	50.8127	147	L	158 v	
MAILLER R.	MLL	F PONTAILLER	5.4556	47.2539	190	T	257 v	
MAKSYMOWICZ S.	MKW	F CHAPET	1.9398	48.9689	56	T	150 v	
MAZALREY P.	MAZ	F VERNON	1.5323	49.1229	141	T	280 v	
MEUDON Obs.	meu	F MEUDON	2.2314	48.8050	162	T	1030 tv	
PIC-DU-MIDI Obs.	pdm	F BAGNERES	0.1442	42.9367	2865	T	2000 v	
POITEVIN P.	POT	F PUIMICHEL	6.0233	43.9753	700	T	125 v	
RABIN A.	ARA	F TOULOUSE	1.4472	43.5961	195	T	200 v	
RIEMIS H.	RMG	B BOECHOUT	4.5139	51.1419	11	T	150 v	
SOSTERO G.	SOS	I TAVAGNACCO	13.23	46.05	120	T	225 v	
THIRIONET Y.	TNT	B BRUXELLES	4.3437	50.7952	79	T	150 v	
THOORIS B.	THO	B WERVIK	3.081	50.786	17	T	115 v	
VAISSIERE F.	FVA	F TOULOUSE	1.4472	43.5961	195	T	102 v	
VAN CAUTEREN P.	PVC	B AARTSELAAR	4.3876	51.1411	20	T	250 v	
ZIMMERMANN L.	ZMN	B BRUXELLES	4.3831	50.8127	147	T	282 v	

Table I: Observers, places, geographical positions and instruments

column 1: Obs. means Observatory

column 2: Abbreviation of the observer's name

(small letters for the professional observatories)

column 3: B for Belgium, F for France, I for Italy

columns 4&5: East Longitude and North Latitude in degrees and decimals

column 6: Altitude in metres

column 7: Instrument (aperture in mm) and equipment used

T for reflector

v for visual observation

L for refractor

pp for photoelectric photometer

B for binoculars

tv for video camera and recorder

Following tables: Results of the observations

column 1: Observer's abbreviated name (Table I, column 2), and result of the observation (+/-).

column 4: Method of timing and recording (MR), timekeeping (MT).

<p style="text-align: center;">MR</p> <p>P Photoelectric</p> <p>X Chronograph</p> <p>T Tape recorder</p> <p>V Television</p> <p>C Camera</p>	<p style="text-align: center;">MT</p> <p>R Radio signal (standard time signal)</p> <p>C Clock (adjusted by standard time signal)</p> <p>T Telephone</p>
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A) 1984 November 12, (238) Hypatia and AGK 3 + 6° 0528

ABBR. +/-	OBSERVATION			COMMENTS (Times in U.T.)	MR
	Start	U.T.	End		MT
	h m s		h m s		
BAE -	00 05		00 45		C R
RMG -	00 05		00 45		
BGS	00 05 26		00 08 02		T R
	00 08 10		00 15 00		
-	00 15 30		00 27 02		
MAZ -	00 08		00 35		T T
meu -	23 51 (Nov II)		00 26	Hypatia passed south of the star	V T
KCH -	00 12 27		00 19		X T
FGR -	00 03 30		00 25 10		T T
ARA -	00 05		00 25		T R
FLB -	00 05		00 25		T R
FVA -	00 05		00 25		T R

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B) 1984 December 1, (717) Wisibada and SAO 75930

ABBR. +/-	OBSERVATION			COMMENTS (Times in U.T.)	MR MT
	Start h m s	U.T.	End h m s		
BAS -					T R
LHX -					X R
BNN -	04 26 30		04 48 50	very good sky	X R

C) 1984 December 3, (40) Harmonia and AGK 3 +22° 0798

LHX -	22 10		22 30	Harmonia passed far away from the star	T R
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D) 1984 December 9, (418) Alemania and SAO 92565

FRU -	18 30		18 44	observation stopped due to clouds	T R
PVC -	18 29 00		18 30 30	observation stopped due to clouds	T R
LYS -	18 28 52		18 50 12		T R
ZMN -	18 30 03		18 50 02		T R
BAS -	18 30		18 50		X R
LHX -	18 30		18 50		T R
TNT -				no continuous observation due to mechanical problems	T R
THO -	18 30 40		18 55 15	good conditions	T T
BGS -	18 30		18 42	no occultation longer than 2 s hazy	T R
SOS -	18 30		18 55	good sky	T C
CVG -	18 27 00		18 47 00		T R
GDI -	18 27 00		18 47 00		T R

E) 1984 December 16, (82) Alkmene and SAO II8747

ABBR. +/-	OBSERVATION		COMMENTS (Times in U.T.)	K R M T
	Start h m s	End U.T. h m s		
MKW -	02 41 35	02 58 02	good conditions	T C

F) 1984 December 16, (I84) Dejopeja and AGK 3 +24° 0505

pdm -	22 32 00	22 48 00	visual observation of a video image	
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G) 1984 December 17, (I6I) Athor and AGK 3 +37° 0733

JIX -	00 47 40	01 00 00	Athor seems to have passed $\approx 1''$ north of the star	
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H) 1984 December 25-26, (747) Winchester and AGK 3 + 4° 0801

HDN -	23 50	24 20	Winchester seems to have passed a little south of the star	X T
MLL -	23 30	24 10	least distance: $\approx 0.5''$ at 23h58 Winchester passed S-W of the star	
BFF -	23 52 10	24 12 00	Winchester passed S-W of the star	T R
POT -	23 56	24 05		
col -				P