

PRELIMINARY DECLARATION

GEOS is a European group of variable star observers which has performed roughly 1 000 000 visual estimates from 1974 to 1980. The initials stand for "Groupe: Etude et Observation Stellaire" and "Gruppo Europeo di Osservazione Stellare" or "Grupo Europeo de Observaciones Estelares".

Before 1978, the results obtained on all types of variable stars were published in the Notes Circulaires (in abbreviate: "GEOS NC") in the form of miscellaneous notes together with informative material for GEOS members.

The most important results now appear separately in several different sets of new circulars: the "GEOS CIRCULARS", while the "Notes Circulaires" retain their role of a liaison bulletin between the GEOS observers and keep on giving partial results or results which are not sufficiently confirmed.

This particular set of GEOS CIRCULARS, referred to as GEOS SA, is devoted to small amplitude variables, i.e. δ Sct, β Cep and α CVn stars.

The observation of these types of variable stars has been undertaken in order to establish which limits could be reached by visual photometry, using the Argelander method. First results have shown that it was well worth carrying on observations of these stars, and that in the long run, results of scientific value can be obtained if many observers work simultaneously and if the great number of estimates thus collected is processed statistically with a well-defined method.

The purpose of these GEOS CIRCULARS is to publish:

- light curves
- timings of maxima or minima and O-Cs
- first elements or revised elements
- monographs

The first issues of these GEOS SA circulars will deal mainly with methods of analysis and the value of the results thus obtained.

GEOS SA will be issued on a non-periodical basis, according to need and to the possibility of launching valuable simultaneous observing sessions, considering the requisites previously defined.

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BIBLIOGRAPHY

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- GEOS FT 02/0, 1976 DEC, "Les publications du GEOS".
- GEOS NC 152, 1977 JAN, "Campagnes d'observations concertées de variables de type δ Sct et β Cep".
- GEOS FT 10/0, 1978 JAN, "Le programme d'observation du GEOS".

OTHER SETS OF GEOS CIRCULARS AVAILABLE

- GEOS CIRCULARS ON RR LYR TYPE VARIABLES
- GEOS CIRCULARS ON RED VARIABLE STARS
- GEOS CIRCULARS ON ECLIPSING BINARIES