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PHOTOELECTRIC B- AND V-BAND PHOTOMETRY OF COMPARISON STARS FOR BC OPH

Sommario : FOTOMETRIA FOTOELETTRICA NELLE BANDE B E V DELLE STELLE DI CONFRONTO PER BC OPH

La sequenza di confronto di BC Oph è l'ultima affidata al GEOS per la preparazione del volo del satellite Hipparcos. Le misure fotoelettriche delle stelle di questa sequenza sono state effettuate il 29 agosto 1989 all'Osservatorio dello Jungfraujoch.

Résumé : MESURES PHOTOELECTRIQUES RELATIVES A LA SEQUENCE DE BC OPH

La séquence de BC Oph est la dernière qui fut confiée au GEOS pour la préparation du vol du satellite Hipparcos. Les mesures photoélectriques des étoiles de cette séquence furent effectuées le 29 août 1989 à l'Observatoire du Jungfraujoch.

Resumen : FOTOMETRIA FOTOELECTRICA EN BANDAS B Y V DE LAS ESTRELLAS DE COMPARACION DE BC OPH

La secuencia de BC Oph es la última que fué encomendada al GEOS para la preparación del vuelo del satélite Hipparcos. Las medidas fotoeléctricas de ésta secuencia fueron efectuadas el 29 de Agosto de 1989 desde el Observatorio de Jungfraujoch.

Summary : PHOTOELECTRIC B- AND V-BAND PHOTOMETRY OF COMPARISON STARS FOR BC OPH

The comparison sequence for BC Oph was the last in the observational work entrusted to GEOS for the preparation of the Hipparchos mission. The photoelectric measurements of the stars belonging to this sequence were carried out on 1989 August 29 at the Jungfraujoch Observatory.

I - INTRODUCTION

Measuring the sequence of BC Oph puts an end to an observational work requested by M. Grenon (Geneva Observatory) for the preparation of the Hipparchos programme. This work has already been described in GEOS Circulars SR 5, SR 7, SR 9 an SR 11.

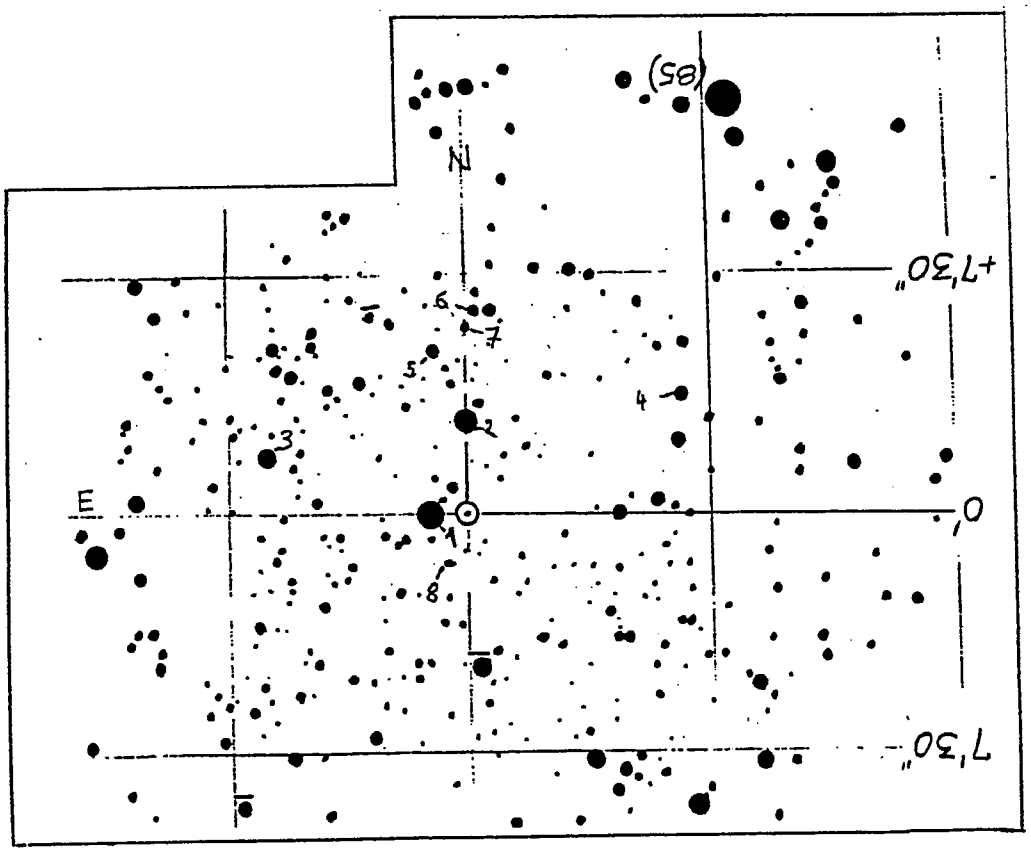
II - OBSERVATIONS

The sequence of BC Oph was observed from the start of the first observing night of an observing mission set up by the Palais de la Découverte, Paris, France from 1989 August 24 to September 10.

The instrument used was the 76 cm reflector equipped with a photometer of the Geneva Observatory at its Cassegrain focus. The measurements were made in the B- and V- colours of the Geneva Photometry System.

In the table 1, $(B-V)_G$ means the colour index as measured in the Geneva System while (B-V) is the classical Johnson and Morgan index, recalculated from $(B-V)_G$ by the Meylan and Hauck formulae.

Star	UT 1989 AUG 29	Air-Mass	Mv	$(B-V)_G$	(B-V)
BC Oph	21 h 52	1,64	12,71	0,76	1,36
1	21 h 59	1,68	9,57	-0,67	0,23
2	22 h 05	1,71	10,41	-0,22	0,61
3	22 h 10	1,74	11,52	0,79	1,42
4	22 h 17	1,79	11,96	0,65	1,30
5	22 h 20	1,81	12,33	-0,06	0,73
6	22 h 27	1,86	12,85	0,21	0,94
7	22 h 35	1,92	12,98	-0,08	0,72
8	22 h 46	2,02	14,03	-0,03	0,76



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