

COMMISSION 27 OF THE I. A. U.
INFORMATION BULLETIN ON VARIABLE STARS

Number 3127

Konkoly Observatory
Budapest
4 January 1988
HU ISSN 0374-0676

TIMES OF MINIMA OF SOUTHERN ECLIPSING BINARIES

As part of an extensive program devoted to search for periods, times of minimum light and period variations of bright southern close binaries, we present here photoelectric minima for RS Sgr, RR Cen, and IT Nor.

Observations were made between 1985 and 1987 at the Yale Southern Station of Félix Aguilar Observatory (San Juan, Argentina) with the 76 cm reflecting telescope, refrigerated RCA 31034 photomultiplier and photon counting techniques. The usual symmetrical pattern was followed during the measurements through the filters, in alternative sequences variable-comparison star and sky reading. The following times of minimum were determined:

Star	Filter	Min	HJD 2440000+	m.e.
RS Sgr	V	I	6296.5126	0.0048
RS Sgr	B	I	6296.5120	0.0060
RS Sgr	U	I	6296.5106	0.0065
RS Sgr	V	I	6622.6362	0.0006
RS Sgr	B	I	6622.6356	0.0049
RS Sgr	U	I	6622.6359	0.0040
RR Cen	V	I	6621.6678	0.0034
RR Cen	B	I	6621.6677	0.0041
RR Cen	U	I	6621.6677	0.0046
IT Nor	V	I	6623.7370	0.0048
IT Nor	B	I	6623.7369	0.0074
IT Nor	U	I	6623.7372	0.0106
IT Nor	V	II	6624.7151	0.0049
IT Nor	B	II	6624.7151	0.0047
IT Nor	U	II	6624.7151	0.0032

A study of the period of RS Sgr and a light curve analysis of IT Nor will be published elsewhere.

MIGUEL ANGEL DE LAURENTI

Observatorio Astronómico Mercedes
Calle 29 No. 575
6600 Mercedes (Buenos Aires)
Argentina

MIGUEL ANGEL CERRUTI

IAFE
CC 67 Suc 28
1428 Buenos Aires
Argentina