

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

Number 2241

Konkoly Observatory  
Budapest  
1982 December 7  
HU ISSN 0374-0676

SOME VARIABLE STARS IN THE SRS CATALOGUE

It is very well known that the SRS (Southern Reference System) meets the need of accurate determination of positions and proper motions on a fundamental system for the southern hemisphere (Scott, 1968).

Some results of several years of meridian observations have already been published (e.g. Høg and Von der Heide, 1976); however, the astrophysical information for SRS stars is rather poor. Recently Nicolet's 'Catalogue of Homogeneous Data in the UBV Photometric System' (Nicolet, 1978) has been searched and extensive lists of photometric SRS candidates have been prepared (López, 1982); in addition, the 'Special Supplement to the Third Edition of the General Catalogue of Variable Stars' (Kukarkin et al., 1972) was checked for possible coincidences between known variable or suspected variable stars and SRS stars; agreements within 6 arcsec in each coordinate has been taken as correct identification and are listed in Table I.

CARLOS LÓPEZ  
Obs. Félix Aguilar  
Benavides 8175 (o)  
Marquesado 5407  
San Juan-Argentina

References:

- Høg, E. and Von der Heide, J.:1976.Abh.Hamburger Sternwarte,IX  
Kukarkin,B.V.;Kholopov,P.N.;Efremov,Yu.N.;Kukarkina,N.P.  
Kurochkin,N.E.;Medvedeva,G.I.;Perova,N.B.;Fedorovich,V.P.and  
Frolov,M.S.:1972.Special Supplement to the Third Edition of  
the General Catalogue of Variable Stars.  
López,C.:1982.(unpublished)  
Nicolet,B.:1978.Astron.Astrophys..Suppl.Ser. 34, 1  
Scott,F.:1968.In L.Perek (ed), Highlights of Astronomy, D.  
Reidel Publ.Co., Dordrecht-Holland, p. 279

TABLE I

| SRS# | Variable or<br>Susp.Var.N° | SRS#  | Variable or<br>Susp.Var.N° |
|------|----------------------------|-------|----------------------------|
| 154  | 5915                       | 9534  | RT Sex                     |
| 170  | SY Phe                     | 9670  | CK Car                     |
| 481  | 6074                       | 9958  | IX Car                     |
| 717  | RT Pic                     | 9996  | BZ Car                     |
| 780  | 102514                     | 11237 | 6963                       |
| 1030 | 102595                     | 11458 | 101361                     |
| 1121 | 6719                       | 11745 | 7060                       |
| 1223 | WZ Vel                     | 11878 | W Hya                      |
| 1443 | 6891                       | 11912 | DL Vir                     |
| 1898 | 101539                     | 12967 | 7195                       |
| 2079 | 7643                       | 13425 | V718 Sco                   |
| 2401 | 8424                       | 13874 | SS Sco                     |
| 2658 | 8754                       | 14169 | 101647                     |
| 2686 | 8769                       | 14765 | 101719                     |
| 2913 | 100001                     | 14787 | 101720                     |
| 3038 | 5846                       | 14794 | 102865                     |
| 3449 | 100075                     | 14860 | 101728                     |
| 3471 | 5880                       | 15032 | SS Sct                     |
| 3792 | 100110                     | 15091 | YZ Sgr                     |
| 4515 | 100199                     | 15105 | S Sct                      |
| 4658 | Z Eri                      | 15331 | 8116                       |
| 4700 | RR Eri                     | 15431 | 101821                     |
| 5543 | 387                        | 15488 | 101831                     |
| 5916 | RZ Eri                     | 17466 | 102178                     |
| 6436 | CK Ori                     | 17564 | 102194                     |
| 6470 | 100538                     | 17867 | S Sc1                      |
| 6703 | 6408                       | 18978 | 716                        |
| 7611 | RY CMa                     | 19458 | 6867                       |
| 8502 | 1334                       | 20348 | 5521                       |
| 9485 | CM Vel                     |       |                            |