VARIABLE STARS IN CANIS MINOR, APRIL 1996

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ABSTRACT. The list of poorly known variables in CMa which are studied by the author is presented, the directions for cooperation are pointed out.

Key words: Stars: variable: poorly studied

Canis Minor is the target of my interest for about 8 years, from 1989 on I do use a ccd camera. I have the intention to check the elements of all eclipsing and RR-Lyr variables in alphabetic order, not skipping faint or otherwise difficult stars.

How did I come to such an project? For practical reasons. Variable stars are observed in august and september, the winter season is obviously avoided by many amateurs. Consequently the constellation visible in winter contain many neglected stars. I the first year of my ccd observing I have had serious difficulties to get the desired object onto the chip, specially in Monoceros. Not so in Canis Minor, because with Procyon on the chip there are no doubts of identity. All the other stars are only a few rotations of the adjustment screws away and may be found in a few minutes. Many of them have been discovered long time ago and are neglected since. Remarkable findings have been made, often by friends of mine.

X * GCVS period was alias, light curve in BAV Rundbrief

Y - 2 maxima observed, no forecast

RS - several weakenings observed, GCVS period false, new period found

RT * period corrected

RV * period corrected

RW - 3 weakenings found, new period must be tested

RX - displaced secondary investigated by J.Manek

RY - period corrected by J.Manek, still scattering minima

SX - 1 minimum, coordinates corrected by G.Richter

SY - maximum found but not published (poor quality)

TT * period corrected

TU * 3 minima observed (+1 by R.Diethelm), period corrected

TW - 1 minimum observed

TX * GCVS period was alias

TY * period corrected

TZ - minimum found but not yet published, GCVS period false

UY - 1 minimum, GCVS period false

UZ - identification, several minima observed

XZ frequently observed

YY frequently observed

AA frequently observed

AB - minimum not yet found

AC * period found, but already published by D.Faulkner

AG frequently observed

AK frequently observed, secondary not displaced (several observes)

AL * period corrected

AM several minima observed by F.Agerer

AN * period corrected

AO * period corrected

AP * several minima, period found by J.Borovicka

AR - 2 minima found, period unknown

AS - faint, rarely observed until now

AT - faint, rarely observed until now

AV - minimum not yet found

AY - observed only once until now

BB - not yet observed

BF * several minima observed

BH one minimum observed, frequently observed at Mt.Suhora

BL * was NVS 3570, period found

NSV 3624 - 2 minima found, period unknown

NSV 3637 - no minimum found

Remarks: ”*” success, forecast can be calculated, ”-” more work has to be done.

This list has been used as a poster at the Odessa conference, in search of cooperation more then to present specific results.