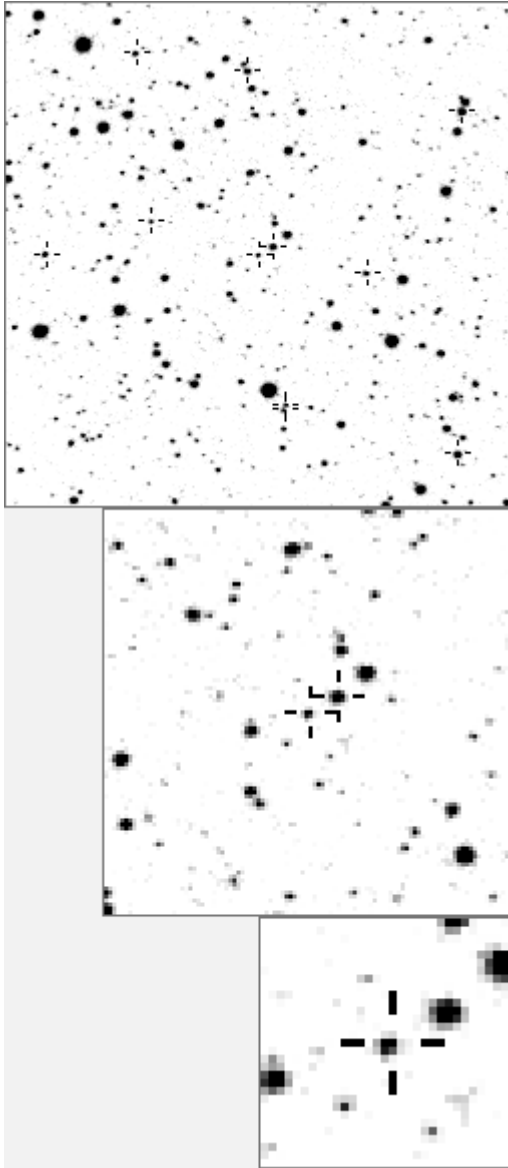


a20503



variable and brighter stars		
. . . . .	. . . . .	O 20503 v
. . a l . . . . .	. . . . .	a 124
. g . . . . .	. . . . .	b 164
. e . . . . .	. . . . .	c 250
. . . . .	. . . . .	d 491
. . . . .	. . . . .	e 3869 v
. n . . . . .	. . . . .	f 5385 v
. k h . . . . .	. . . . .	g 7420 v
. j . . . . .	. . . . .	h 7463 v
. c . . . . .	. . . . .	i 11469 v
. d . . . . .	. . . . .	j 11470 v
. b . . . . .	. . . . .	k 11709 v
. m . . . . .	. . . . .	l 12871 v
. f . . . . .	. . . . .	m 17203 v
. . . . .	. . . . .	n 20683 v
-----		- -
. . . . .	. . . . .	O 20503 v
n . l d . . . . .	. . . . .	a 2098
. . . . .	. . . . .	b 4262
. f . . . . .	. . . . .	c 5693
. . . . .	. . . . .	d 6361
. k . . . . .	. . . . .	e 7463 v
. e b . . . . .	. . . . .	f 8411
. O . . . . .	. . . . .	g 9499
. g . . . . .	. . . . .	h 10423
c . . . . .	. . . . .	i 10919
. m . . . . .	. . . . .	j 11193
i h . . . . .	. . . . .	k 11376
. a . . . . .	. . . . .	l 20151
. . . . .	. . . . .	m 20295
. . . . .	. . . . .	n 20608

Bitmap sizes are 251, 101 and 31 pixels square, South up. The keys to the right refer to the 1st two bitmaps. The numbers in the key are those in my catalogue 'starlistA'. Stars marked with a cross have been found to be variable.

Data and comments on star a20503

SWid: a20503 / **USNO id: 1363 400988 / other id: 1350-13486735**

Co-ordinates, x,y in image z1051: 1802.7 1846.8

J2000 sky co-ordinates: 21 7 26.17 +46 21 24.54

CMC r'magnitude and 2MASS J, H, K magnitudes: 14.383 13.111 12.95 12.884

USNO B1.0 magnitudes, B1, R1, B2, R2, I2: 15.65 14.35 15.94 14.54 14.44

Misc comments :

 fades in 1384/5 in 2003, fade in 1704/5 in 2004, 8%ish irreg also, not prox- not sure

Checked 8/08/08. Possible v weak eb, mins 1385 1704 mag 14 to 14.22 report

Too doubtful for now , class 0

Oct09 clear eb prob p=11.821days, m13.97, mr 0.23, phid .557

Comparison reference star(s) co-ordinates:

a01995: 21 7 42.8 +46 21 54.08

More work must be added, more years available

Reminder: **All dates, JD and HJD are from Jan 1st 2000**

season 1: dates 1316 to 1553 is 9/8/2003 to 3/4/2004 **(a)**

season 2: dates 1696 to 1838 is 23/8/2004 to 12/01/2005 **(z)**

season 3: dates 2085 to 2177 is 16/9/2005 to 17/12/2005 **(y)**

season 4: dates 2442 to 2755 is 8/9/2006 to 19/7/2007 **(w)**

season 5: dates 2772 to 2903 is 4/8/2007 to 13/12/2007 **(v)**

season 6: dates 2930 to 3266 is 9/1/2008 to 10/12/2008 **(u)**

season 7: dates 3403 to 3539 is 26/4/2009 to 10/9/2009 **(t)**

