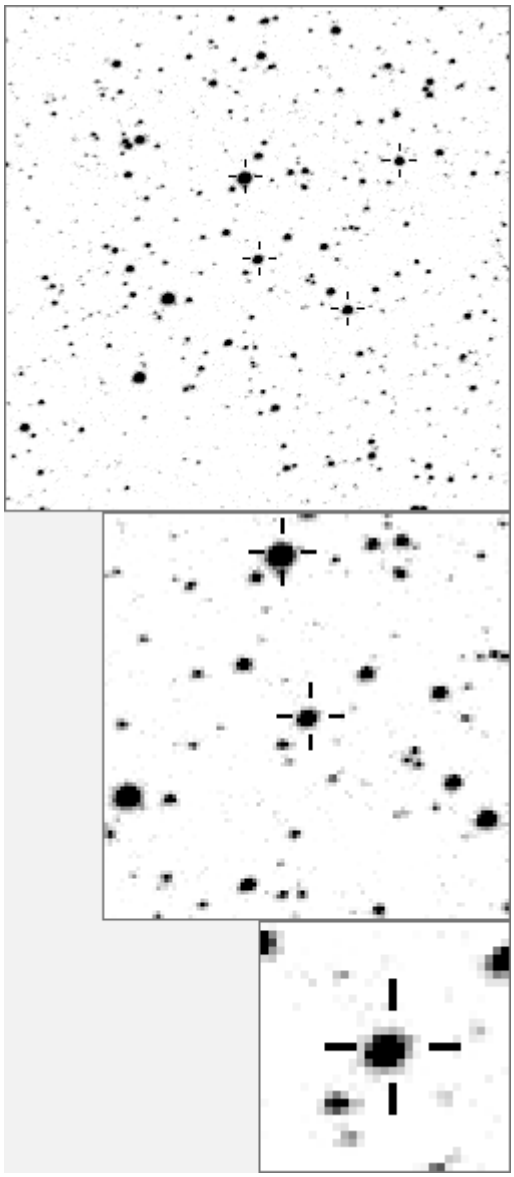
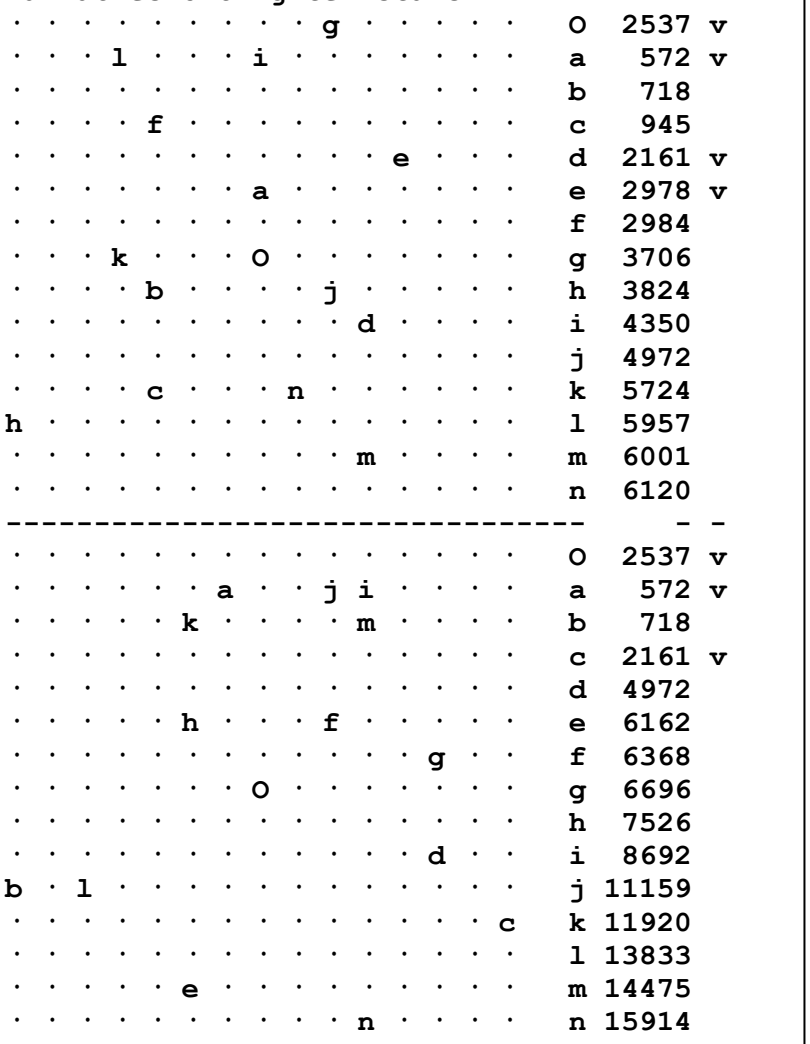
a02537



variables & brighter stars



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.

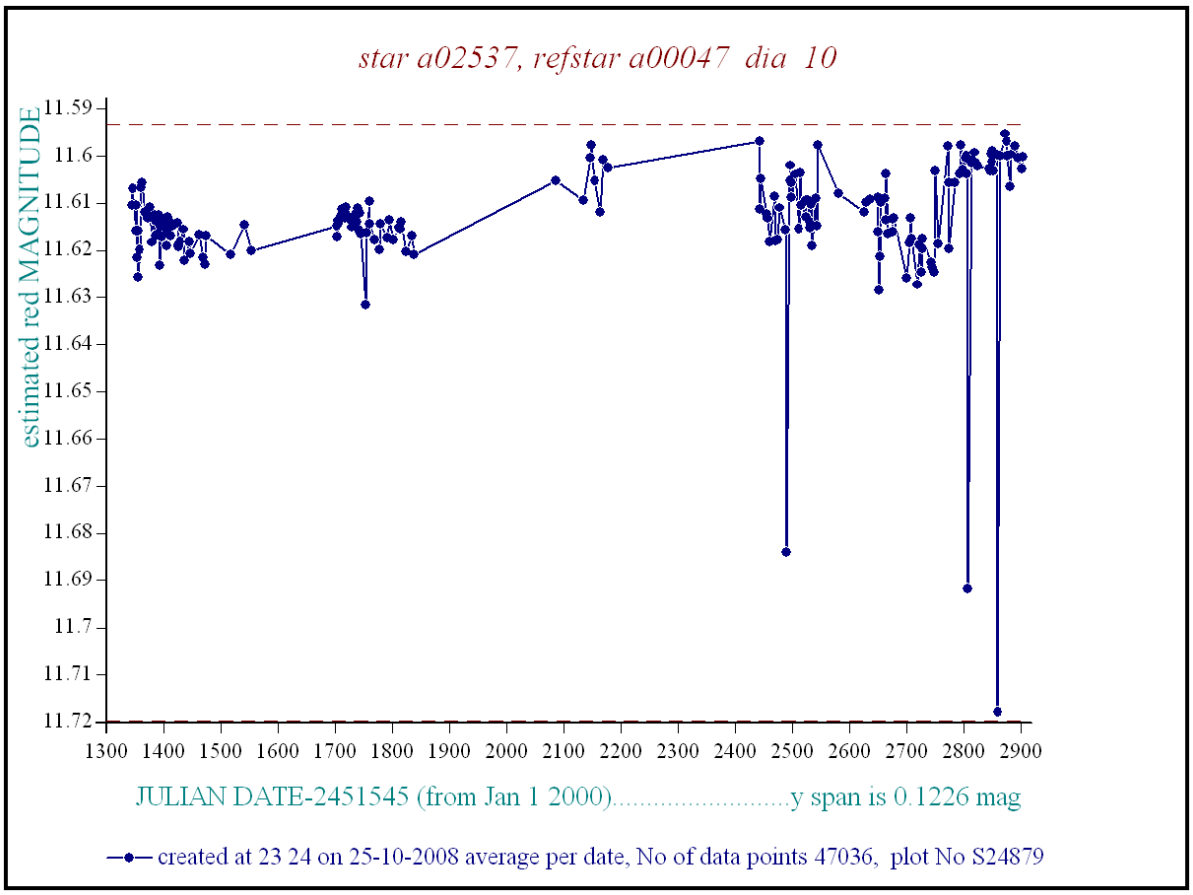
Data and comments on star a02502
SWid: a02502 / **USNO id: 3592 406401 / other id**:
Co-ordinates, x,y in image z1051: 1342.2 3582.2
J2000 sky co-ordinates: 21 5 36.57 +47 30 1.62
CMC r'magnitude and 2MASS J,H,K magnitudes: 11.978 10.864 10.566 10.519
USNO B1.0 magnitudes, B1,R1,B2,R2,I2: 12.87 11.55 12.41 11.5 11.13
Misc comments :
jl09 eb again not sure of period, either 0.8951d or 8.66d New eb, found by plotstam suseblist, see report. Period 52.72d or twice that.
Epoch 1224.855 gets primary at phase 1
From movement in 2490 and 1752 best period is 52.7257 or twice that

Comparison reference star(s) co-ordinates:
a01994: 21 6 1.82 +47 28 40.16

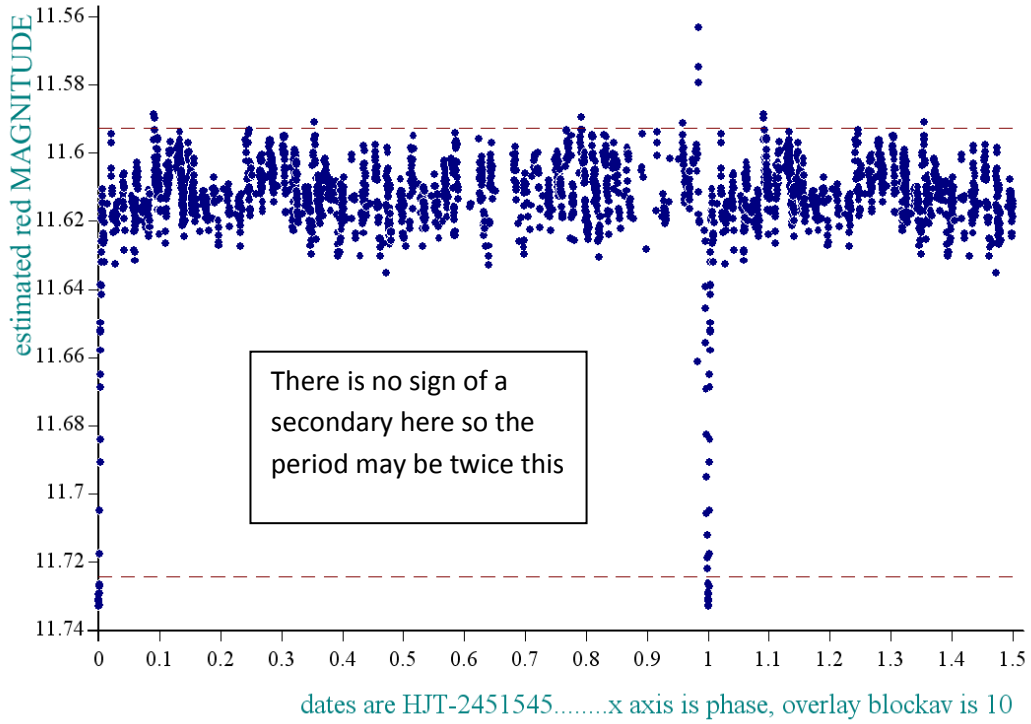
More work needed, more years, CMC mags

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)**



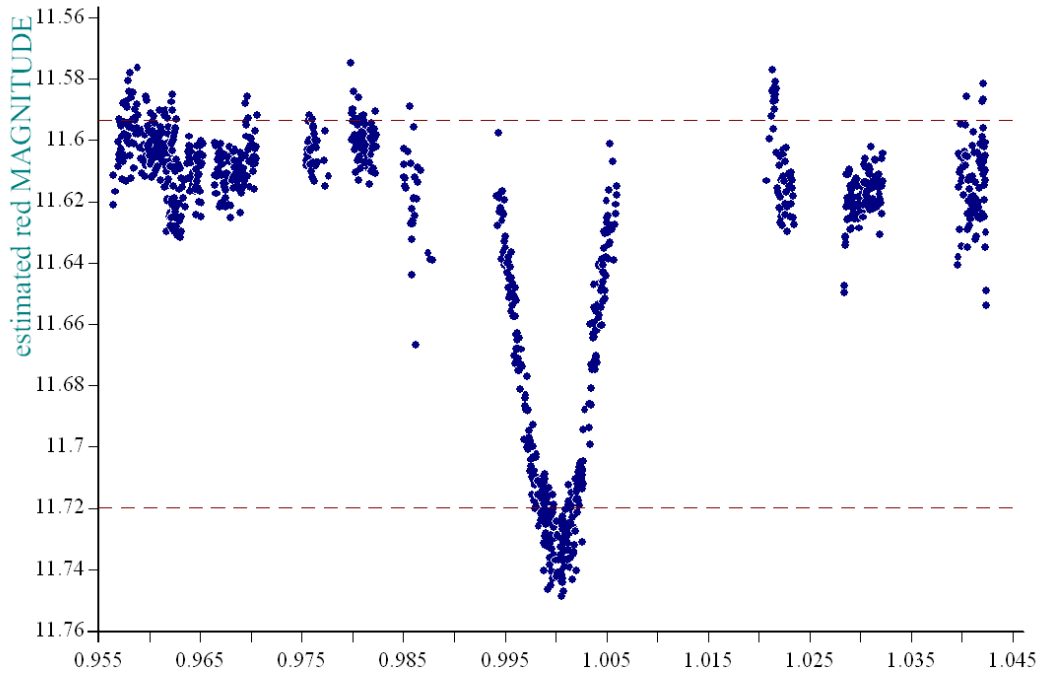
star a2537 dates 1344-2903, dia 10, ref a47, epoch 1225.014, period 52.72



dates are HJT-2451545.....x axis is phase, overlay blockav is 10

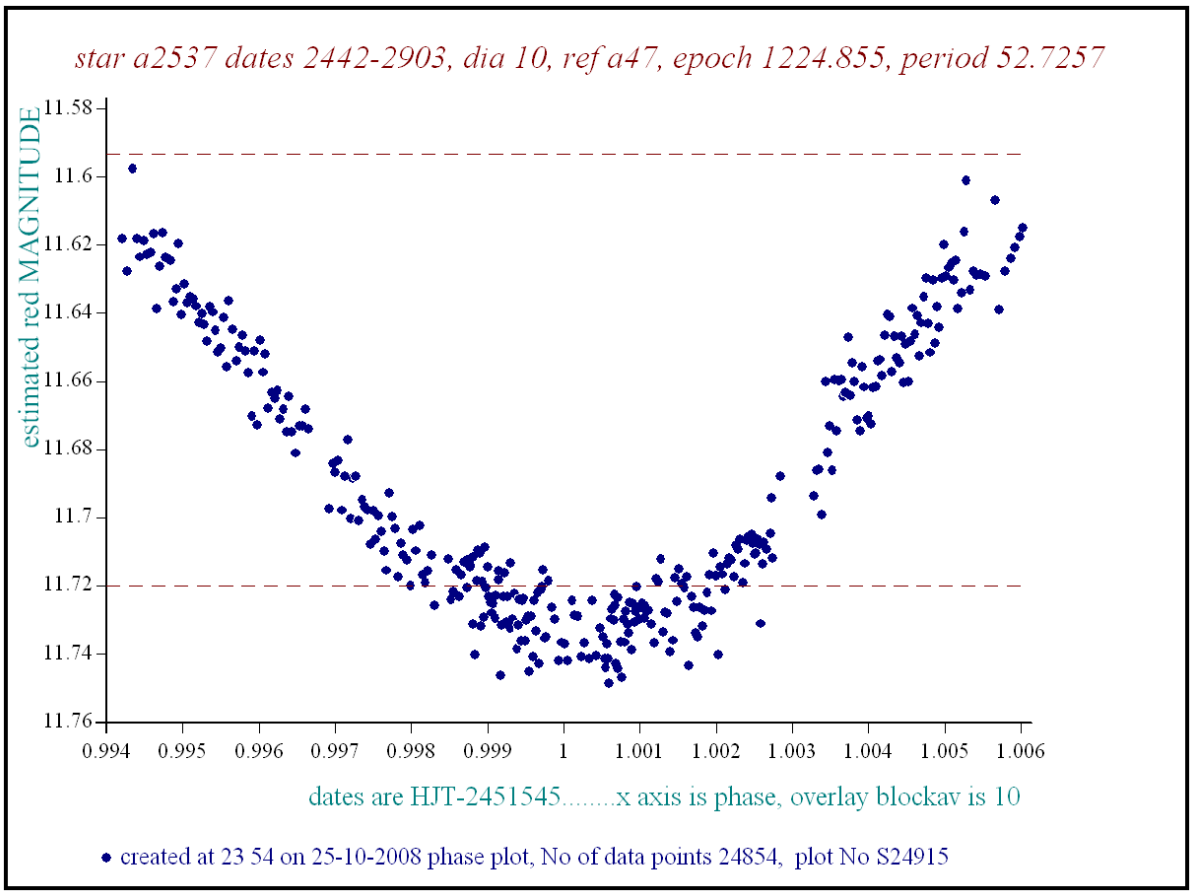
- created at 22 13 on 27-8 -2008 phase plot, No of data points 47847, plot No S19470

star a2537 dates 2442-2903, dia 10, ref a47, epoch 1224.855, period 52.7257



dates are HJT-2451545.....x axis is phase, overlay blockav is 10

- created at 23 41 on 25-10-2008 phase plot, No of data points 24854, plot No S24909



The minimum width is 0.0133+/-.001