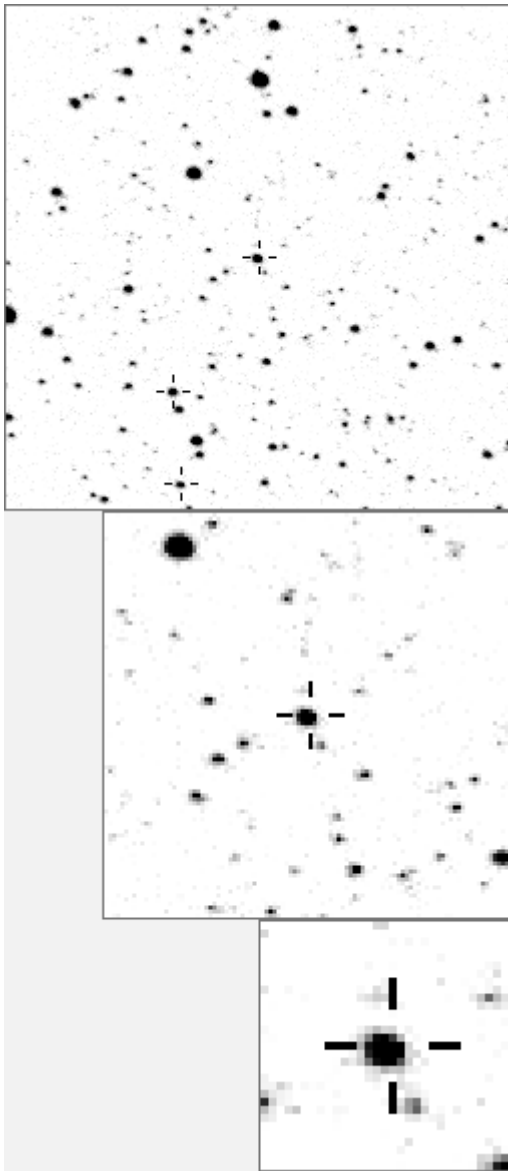


a04315



variables & brighter stars			
. . . . n . . d	O	4315	v
. . . l	a	348	
. . h a	b	980	
. e	c	2383	
. . . . b	d	2932	
g	e	3078	
.	f	4042	
. O	g	4817	
. . k	h	5236	
f	i	5589	
. i	j	5700	v
. . . j	k	6087	
. . . . c	l	6478	
.	m	8924	v
. . . . m	n	11323	v

. . . . m k	O	4315	v
. . a	a	980	
.	b	6628	
. j	c	15600	
.	d	16763	
.	e	21698	
. . . f	f	21990	
. O	g	22109	
. . . . g . . l	h	22284	
. . . . d h . . n . .	i	23523	
. . . e i	j	24937	
.	k	25334	
. b	l	25515	
. c	m	26444	
.	n	28064	

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 a04315

SWid: a04315 / **USNO id: 1358 401849 / other id:**

Co-ordinates, x,y in image z1051: 992.7 1140.9

J2000 sky co-ordinates: 21 4 22.27 +45 53 5.83

CMC r'magnitude and 2MASS J,H,K magnitudes: 12.552 8.687 7.716 7.37

USNO B1.0 magnitudes, B1,R1,B2,R2,I2: 15.25 12.09 15.19 12.03 10.65

Misc comments :

Kathy mpv, period about 16.5d, magm to 173, 12.22, magr 0.16 Book21/71

Comparison reference star(s) co-ordinates:

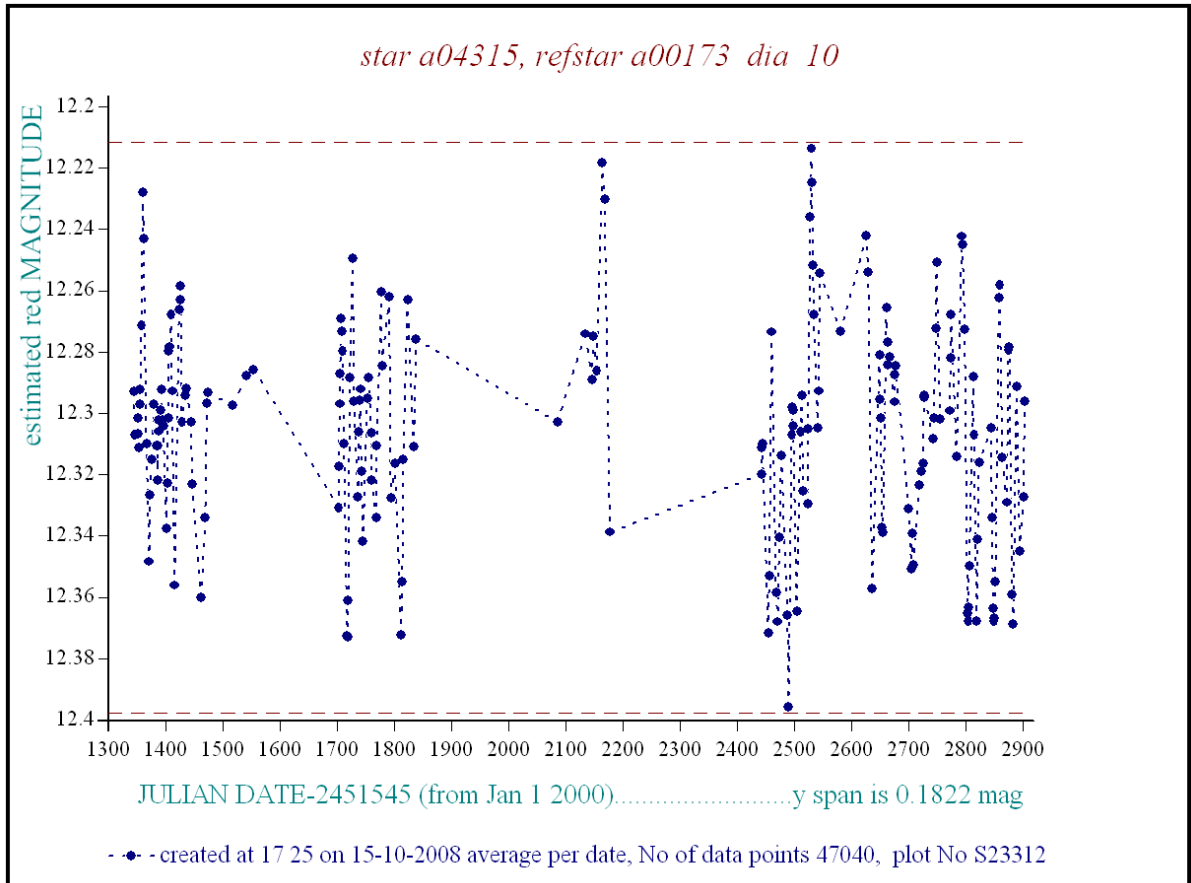
a00173: 21 3 53.7 +45 54 8.41

Reminder:

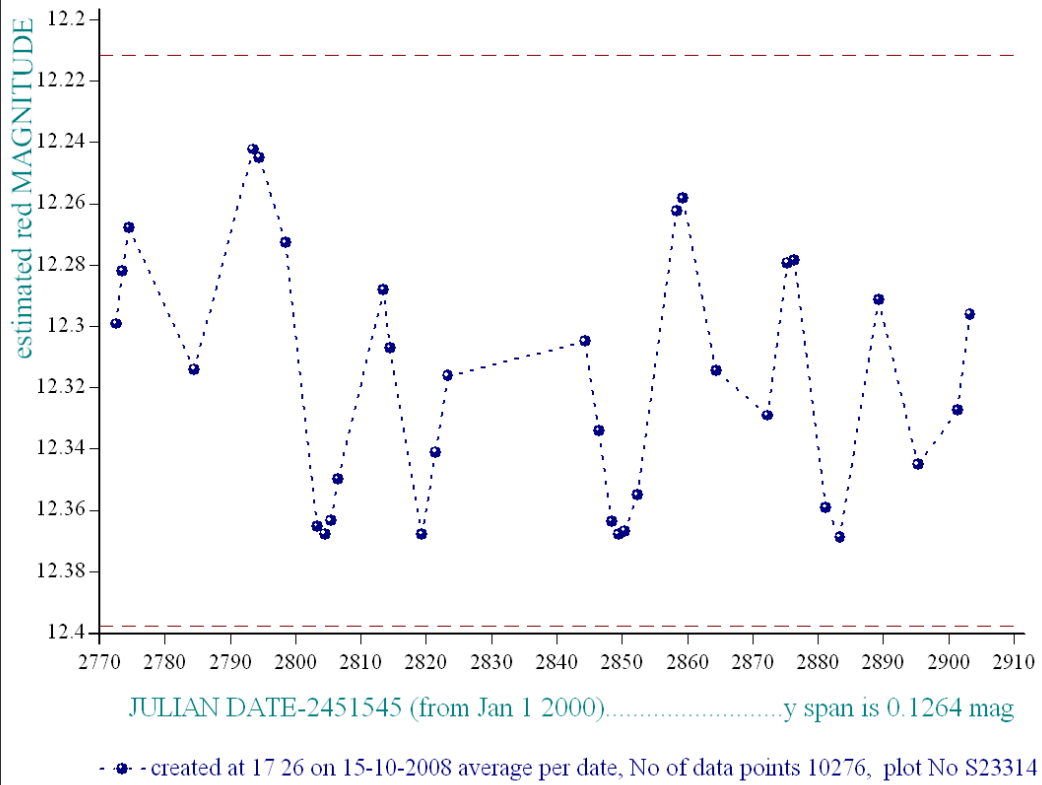
All dates, JD and HJD are from Jan 1st 2000

- 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)**

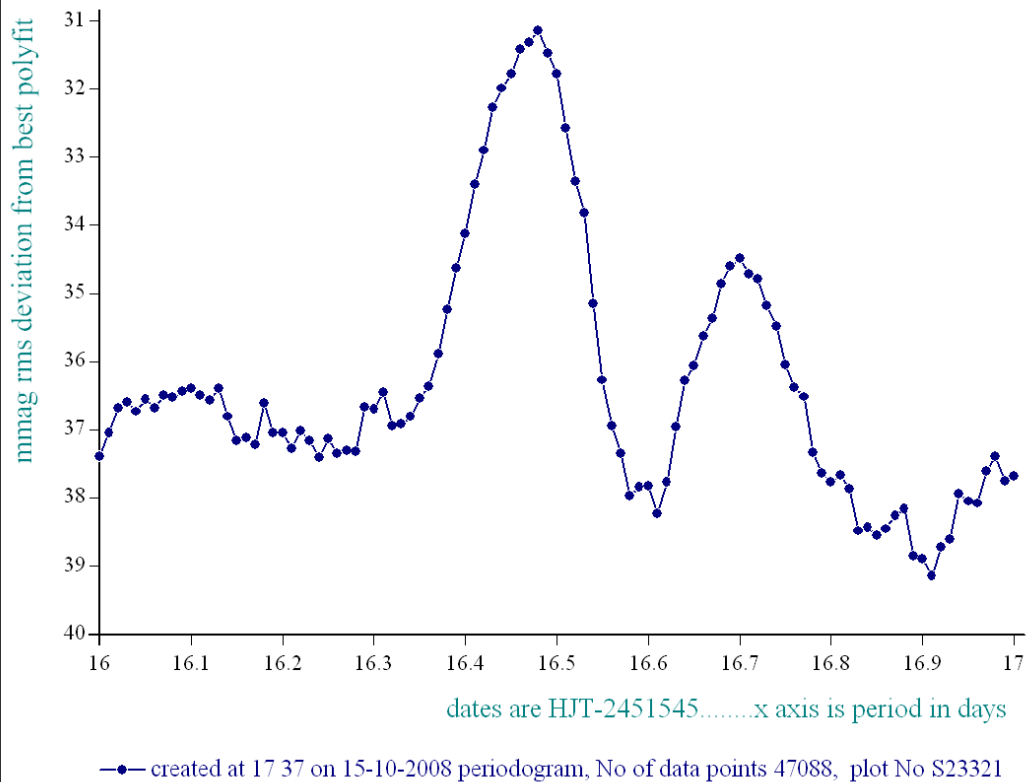
More years need to be added plus CMC mags



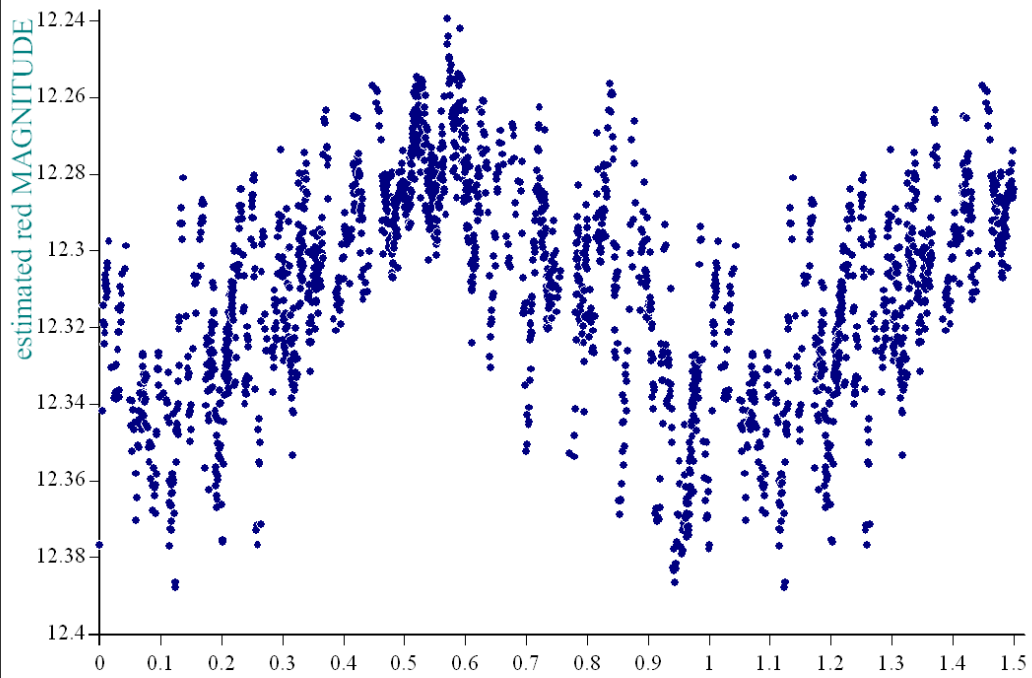
star a04315, refstar a00173 dia 10



periodogram of star a4315 in dates 1344-2903, dia 10, ref a173



star a4315 dates 1344-2903, dia 10, ref a173, epoch 1220, period 16.473



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

• created at 17 39 on 15-10-2008 phase plot, No of data points 47088, plot No S23323