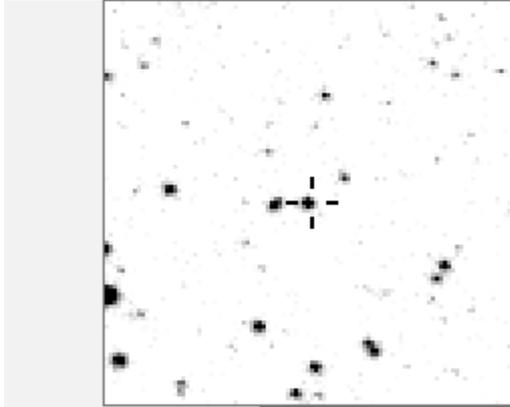
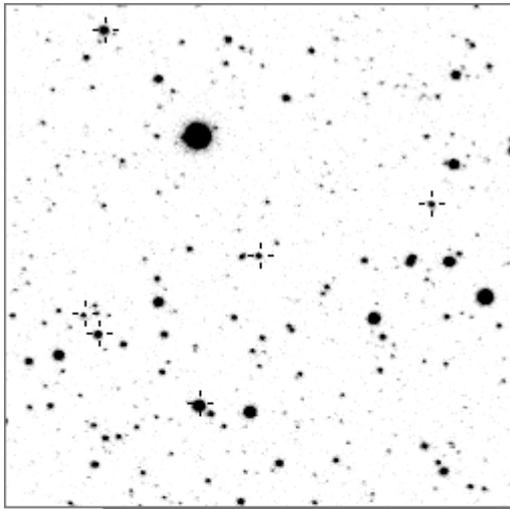


a13391



variable and brighter stars	
. . . i . . . . .	O 13391 v
. . . . .	a 215
. . . . .	b 956
. . . . .	c 1017 v
. . . . .	d 1085
. . . . . g .	e 1929
. . . . . m . .	f 2075
. . . . .	g 2172
. . . . . O . . . . . k e .	h 2486
. . . . . h . . . . . a	i 3847 v
. . . . . n . . . . . d . . . . .	j 4019
. . . . . f . . . . .	k 4029
. . . . . c . . . . .	l 5925 v
. . . . . b . . . . .	m 11900 v
. . . . .	n 16220 v
-----	
. . . . .	O 13391 v
. . . . .	a 9230
. . . . . n . . . . .	b 13899
. . . . . k . . . . .	c 14505
. . . . .	d 15939
. . . . .	e 16024
. . . . . c . . . . . m . . . . .	f 16178
. . . . . f O . . . . .	g 16486
. . . . .	h 16771
. . . . .	i 19083
. . . . . h . . . . .	j 23681
. . . . . j . . . . .	k 27424
. . . . .	l 27959
. . . . . b . . . . . d . . . . .	m 29352
a . . . . . g e . . . . .	n 36960
. . . . . l . . . . . i . . . . .	

Bitmap sizes are 251, 101 and 31 pixels square, South up. The keys to the right refer to the 1<sup>st</sup> 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 a13391**

SWid: a13391 / **USNO id: 1357 412369 / other id:**

Co-ordinates, x,y in image z1051: 1679.5 878.5

**J2000 sky co-ordinates: 21 6 59.2 +45 42 55.79**

CMC r'magnitude and 2MASS J, H, K magnitudes: 13.758 9.569 8.409 8.029

USNO B1.0 magnitudes, B1, R1, B2, R2, I2: 16.28 13.29 16.19 13.4 12.62

Misc comments :

June 09 mpv, to 956 13.62 0.13mag, about 26d

Comparison reference star(s) co-ordinates:

**a00956: 21 6 58.16 +45 46 1.29**

Colour temp estimate: 3761 deg K

Reminder: **All dates, JD and HJD are from Jan 1<sup>st</sup> 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)**

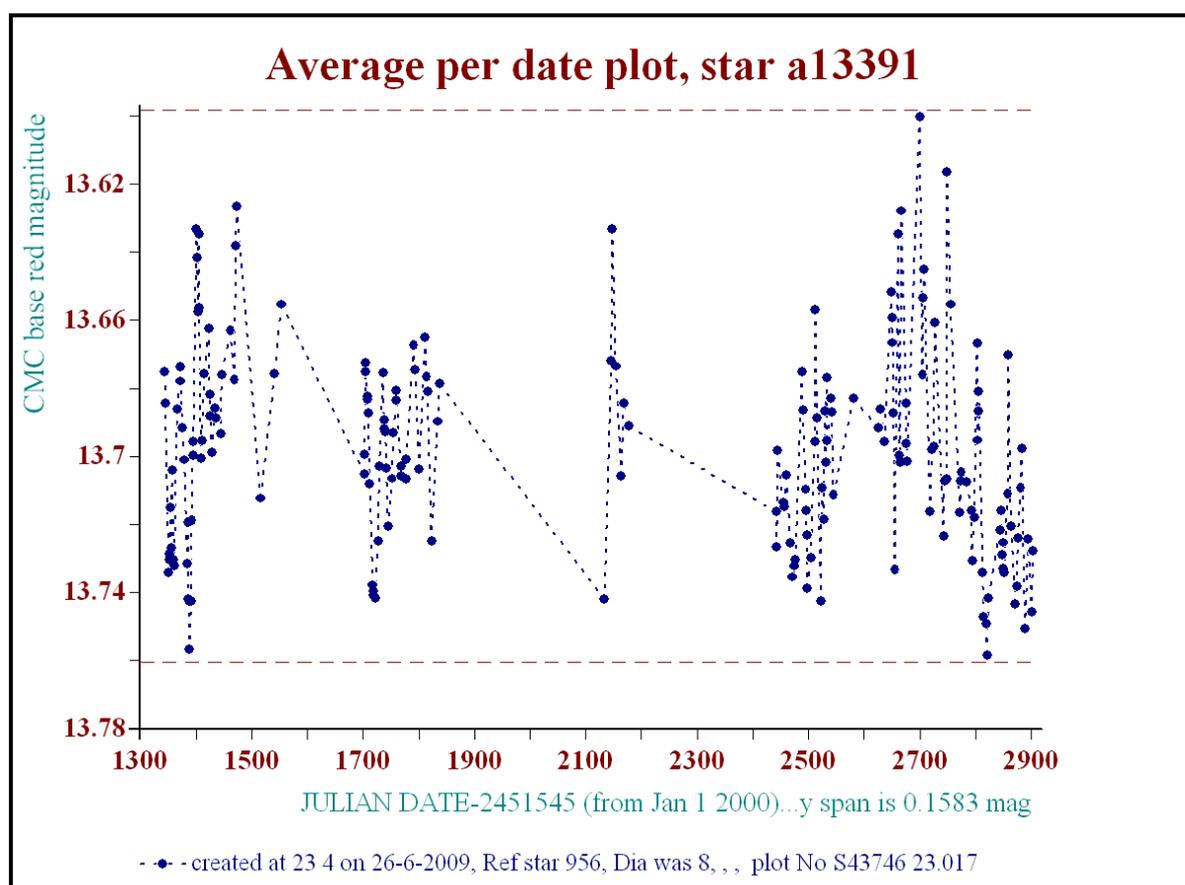
season 4: dates 2442 to 2755 is 8/9/2006 to 19/7/2007 **(w)**

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

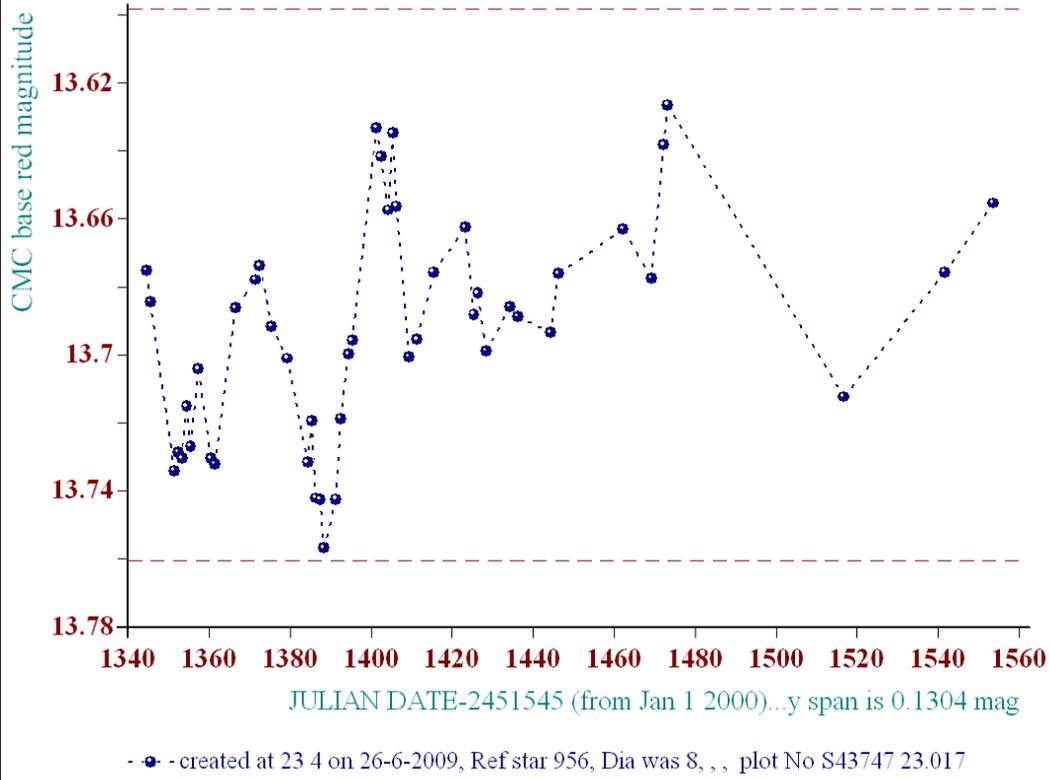
season 6: dates 2930 to 3266 is 9/1/2008 to 10/12/2008 **(u)**

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

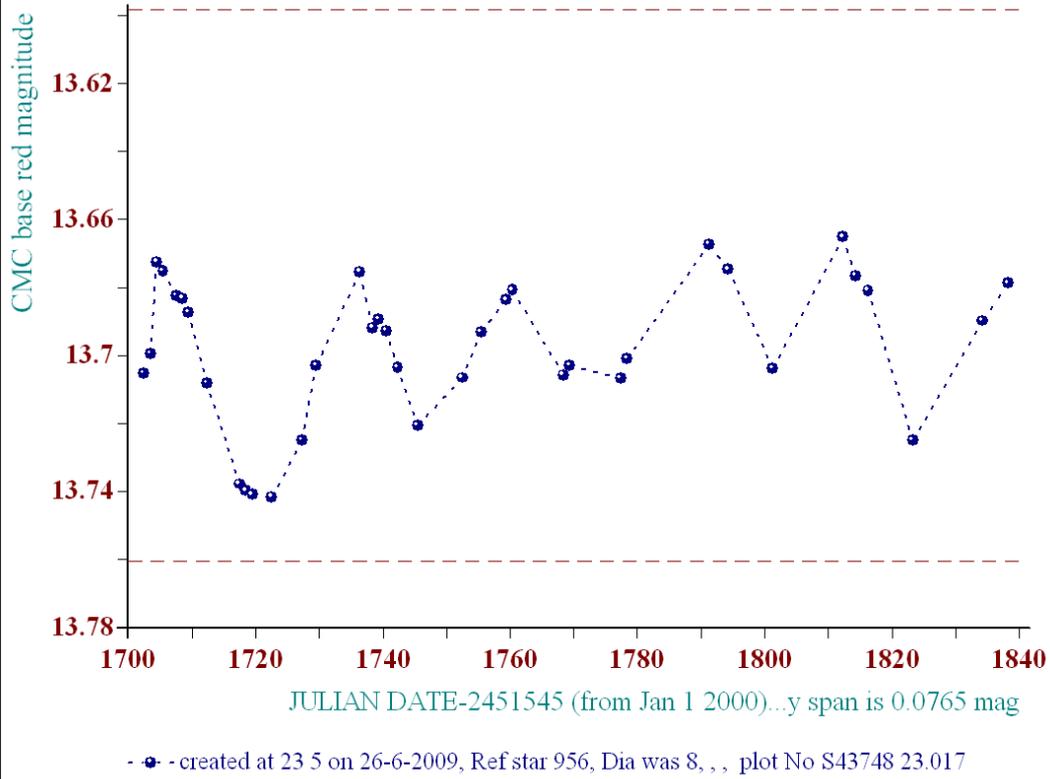
More years need to be added

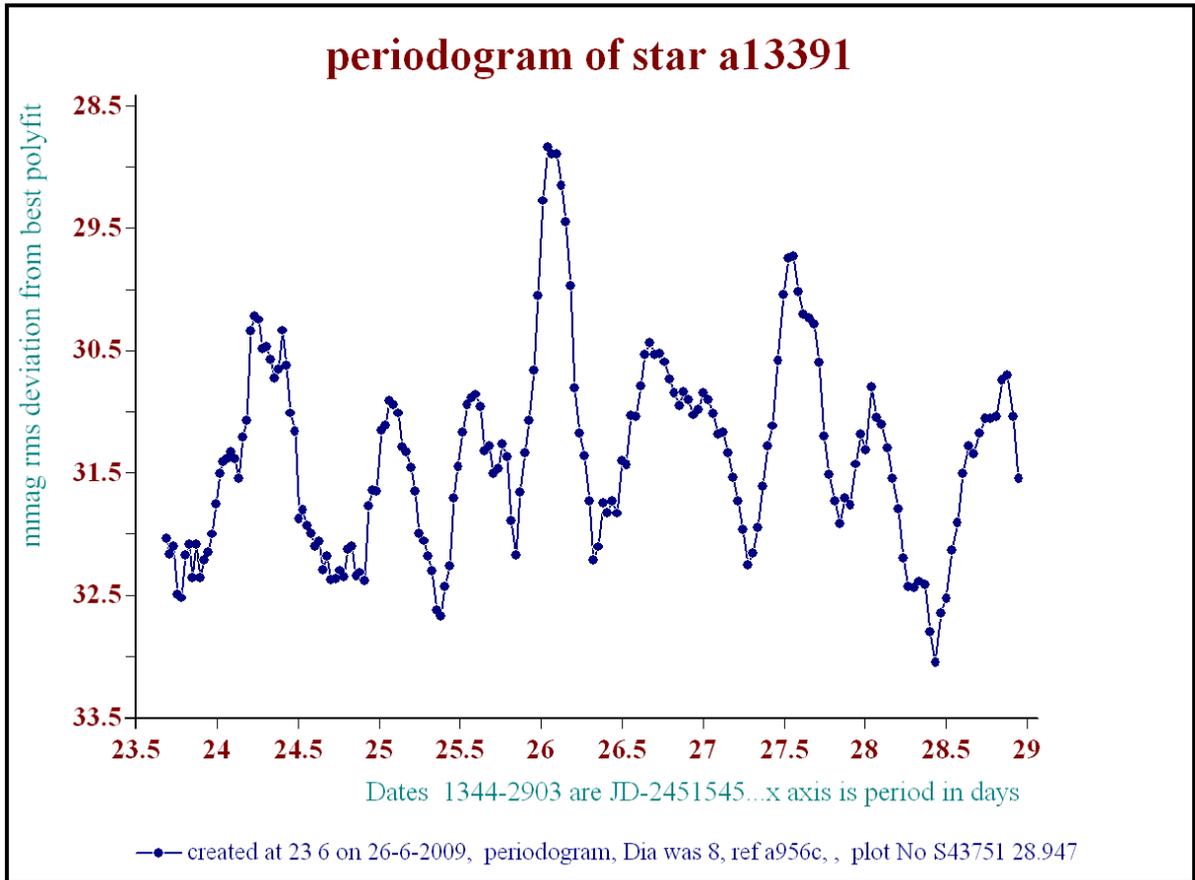


### Average per date plot, star a13391



### Average per date plot, star a13391





26.07