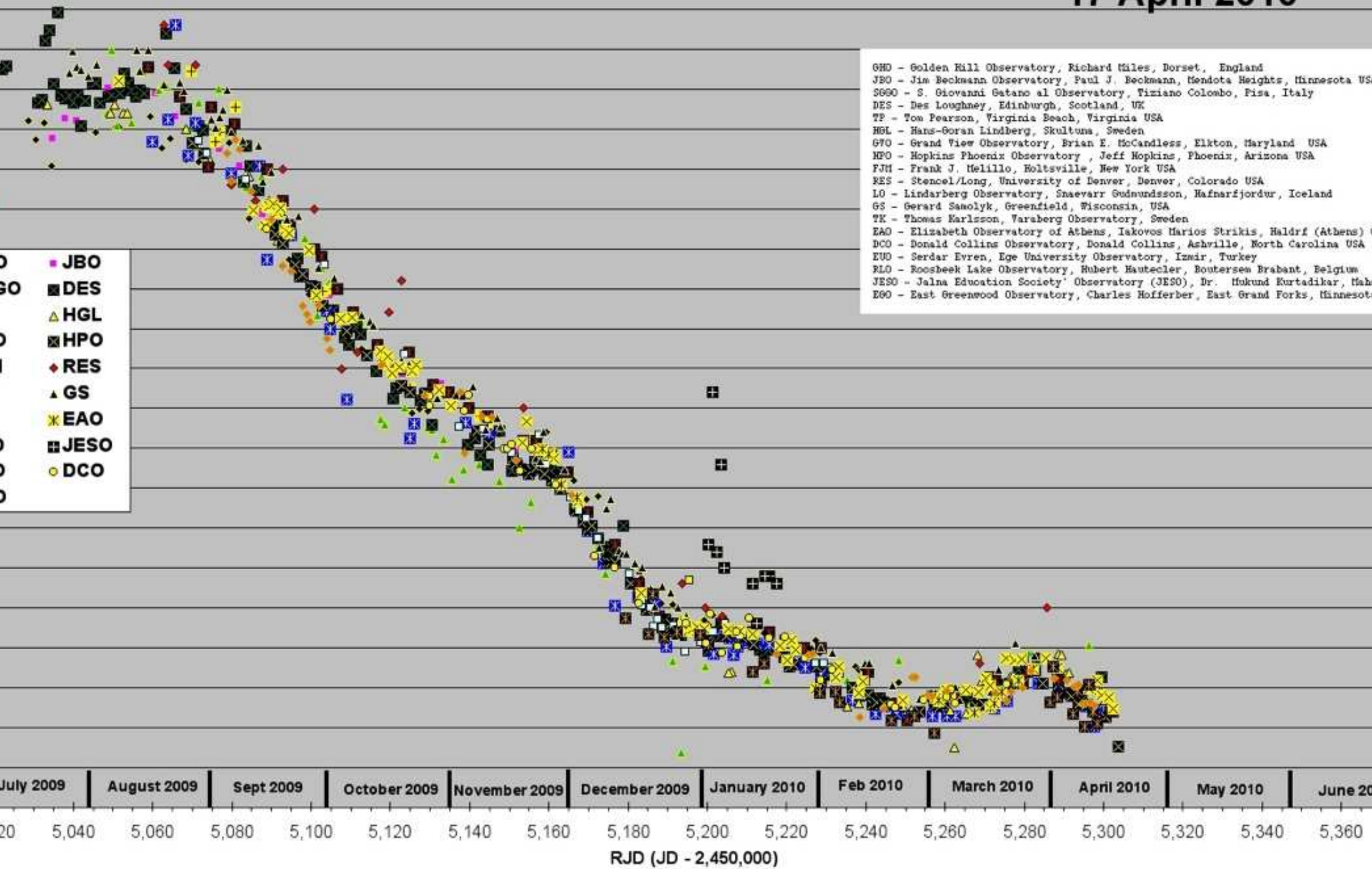
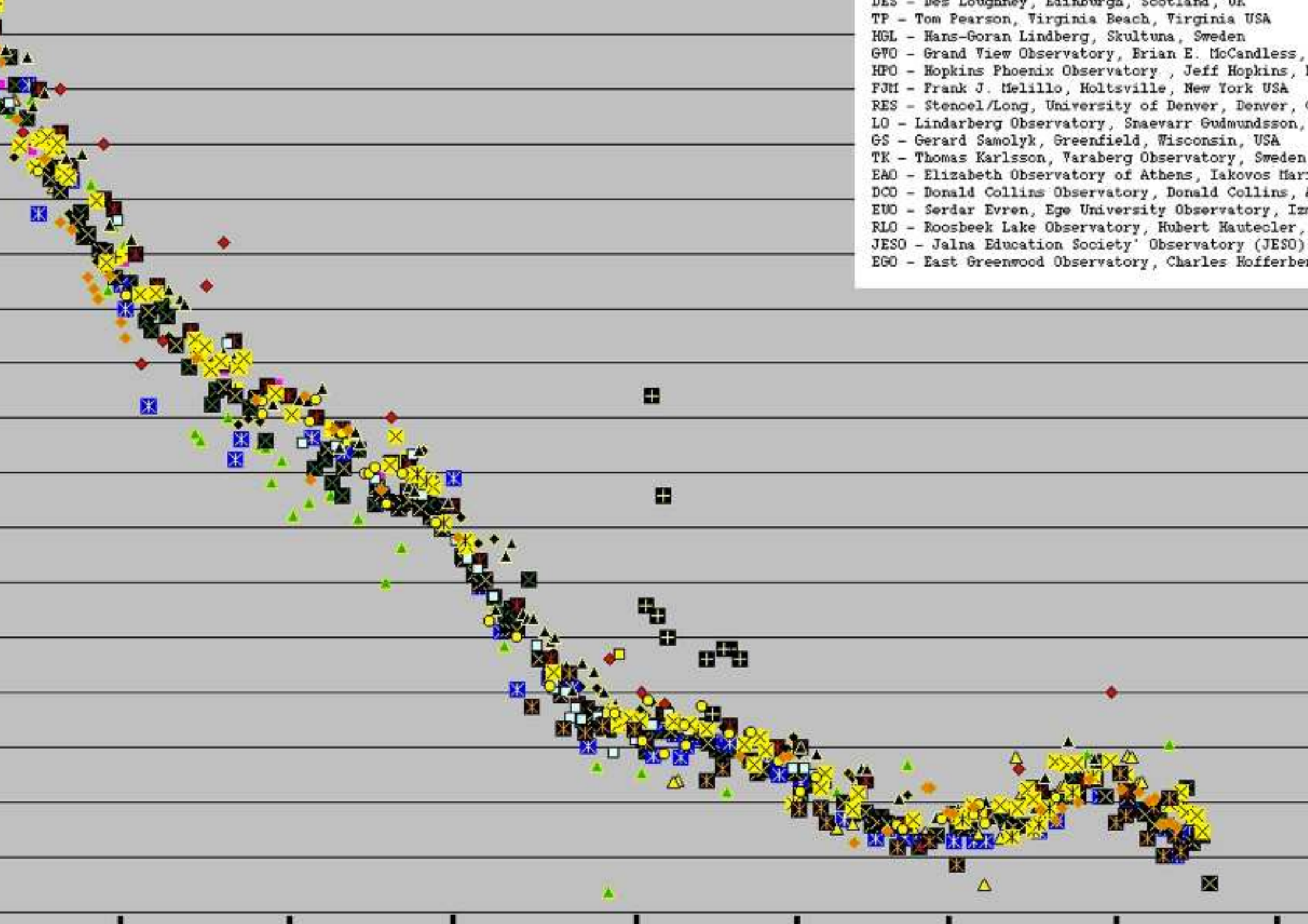


the International Epsilon Aurigae Campaign  
Photometry 2009 - 2011



17 April 2010



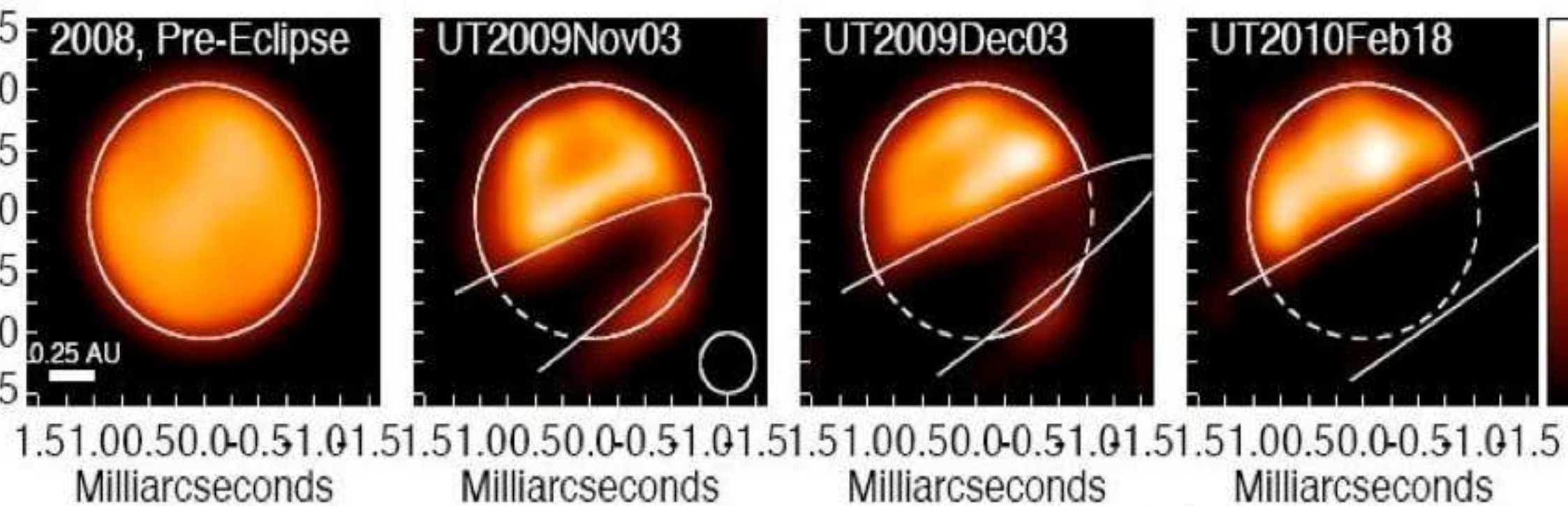


- DES - Des Loughney, Edinburgh, Scotland, UK
- TP - Tom Pearson, Virginia Beach, Virginia USA
- HGL - Hans-Goran Lindberg, Skultuna, Sweden
- GVO - Grand View Observatory, Brian E. McCandless,
- HPO - Hopkins Phoenix Observatory, Jeff Hopkins,
- FJM - Frank J. Melillo, Holtsville, New York USA
- RES - Stencel/Long, University of Denver, Denver, CO
- LO - Lindarberg Observatory, Snaevarr Gudmundsson,
- GS - Gerard Samolyk, Greenfield, Wisconsin, USA
- TK - Thomas Karlsson, Varaberg Observatory, Sweden
- EAO - Elizabeth Observatory of Athens, Iakovos Maroulis,
- DCO - Donald Collins Observatory, Donald Collins, AZ
- EWO - Serdar Evren, Ege University Observatory, Izmir,
- RLO - Roosbeek Lake Observatory, Hubert Hautecler,
- JESO - Jalna Education Society' Observatory (JESO)
- EGO - East Greenwood Observatory, Charles Hofferber



and eclipse epoch confirms the trend, within model limitation

## Epsilon Aurigae Eclipse (CHARA-MIRC)



***Follow-up obs needed, 2010-11***

Mid-eclipse is 4 Aug 2010 // Totality ends Mar 2011 // Eclipse ends May'11

# Central Brightening

**Judging by 1982 - 1984 it will be spread over about 160 days around the time of mid eclipse in August. Thus the brightening will start around the beginning of June and possibly continue to the end of October.**

**Observations will be difficult in June and July though the second half will be straightforward.**

1st Contact  
RJD 5,066

# Hopkins Phoenix Observatory

## 07 August 2011

Campaign Official Web Site

<http://www.hposoft.com/Campaign09.html>

4th Contact  
RJD 5,703

OOE Average 3.035

2nd Contact  
RDJ 5,199

3rd Contact  
RJD 5,639

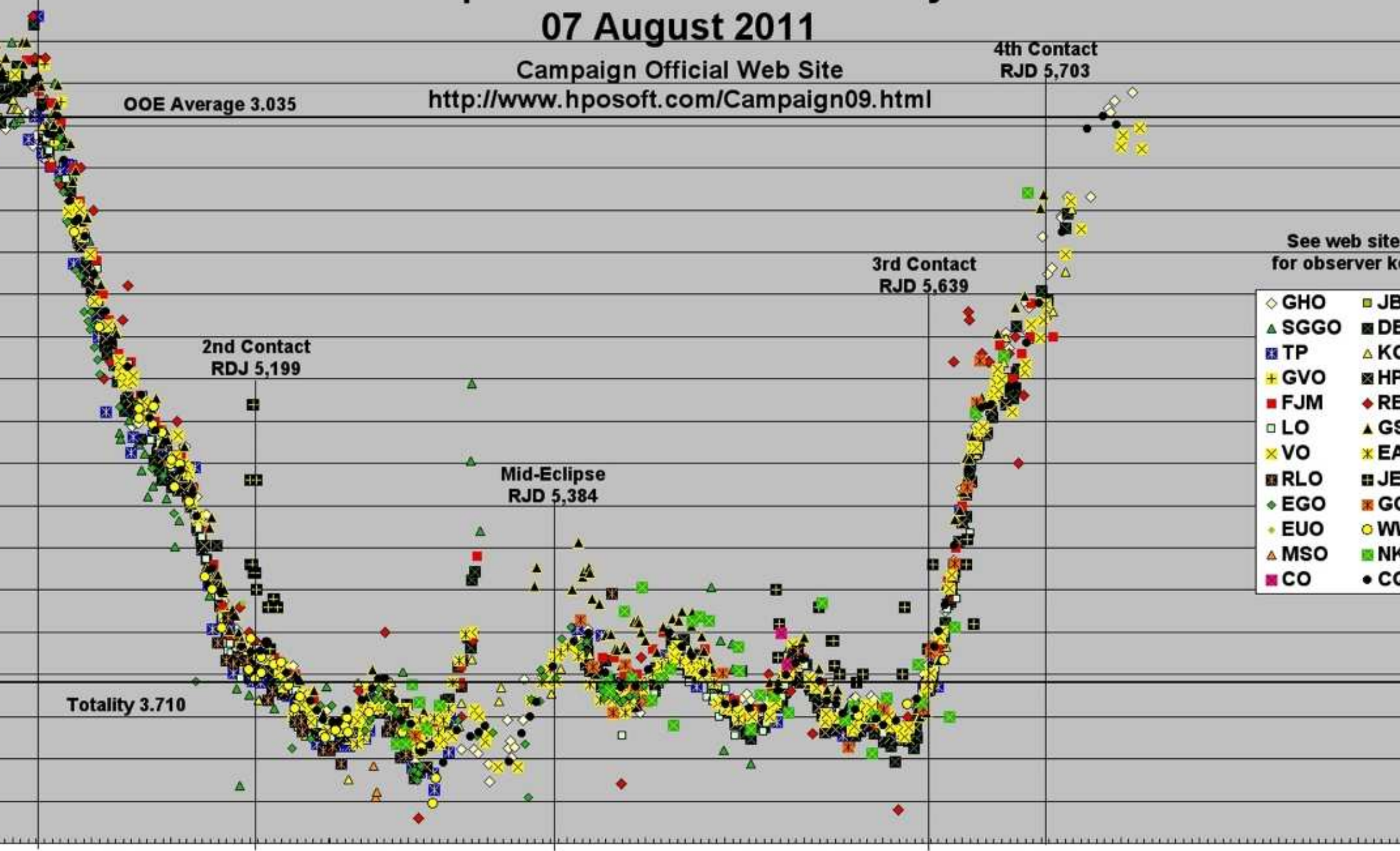
Mid-Eclipse  
RJD 5,384

Totality 3.710

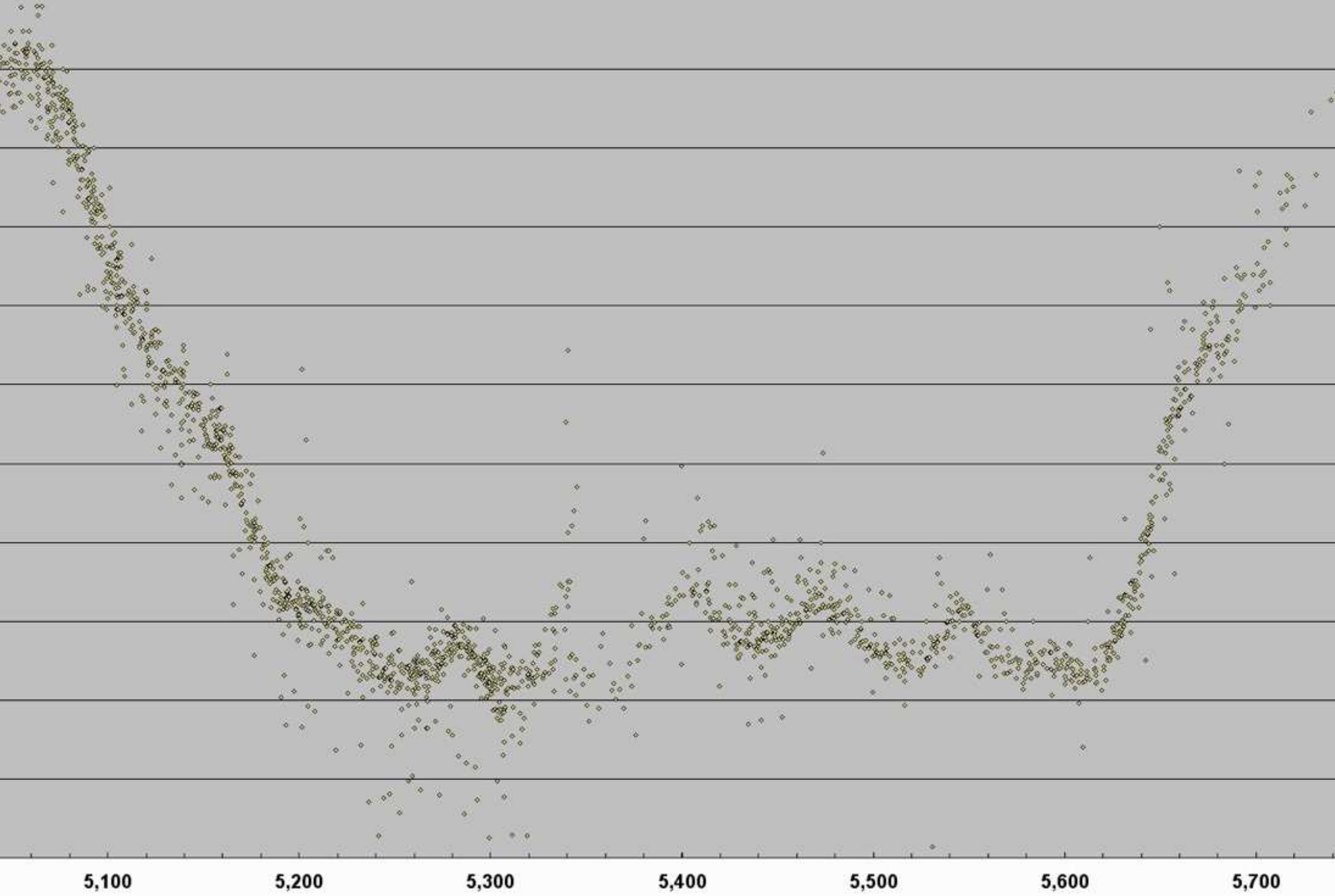
See web site  
for observer key

- |        |      |
|--------|------|
| ◇ GHO  | ■ JB |
| ▲ SGGO | ■ DE |
| ■ TP   | ▲ KC |
| ■ GVO  | ■ HP |
| ■ FJM  | ◆ RE |
| □ LO   | ▲ GS |
| × VO   | × EA |
| ■ RLO  | ■ JE |
| ◆ EGO  | ■ GC |
| ● EUO  | ○ W  |
| ▲ MSO  | ■ NK |
| ■ CO   | ● CC |

RJD (JD - 2,450,000)







5,100

5,200

5,300

5,400

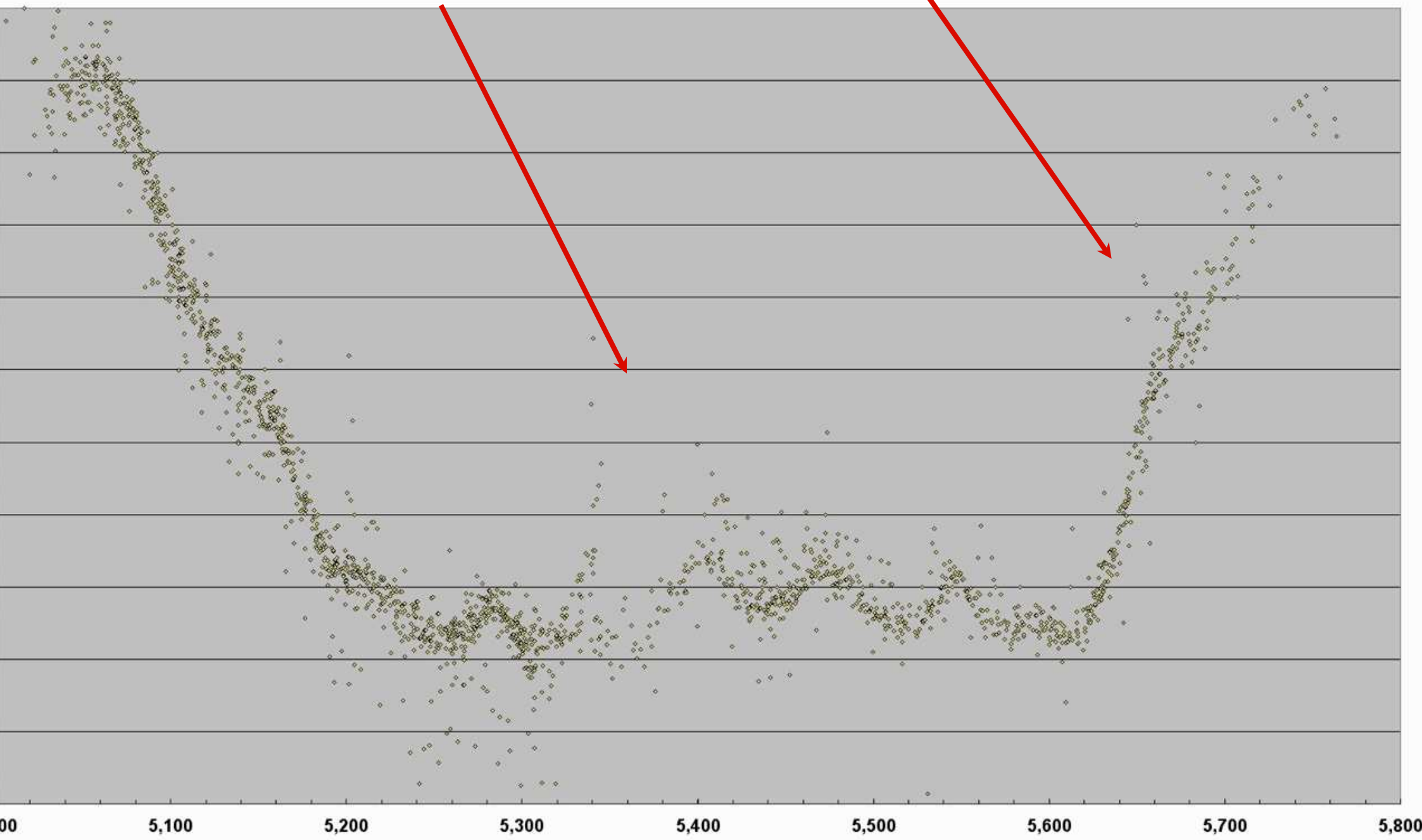
5,500

5,600

5,700

OOV

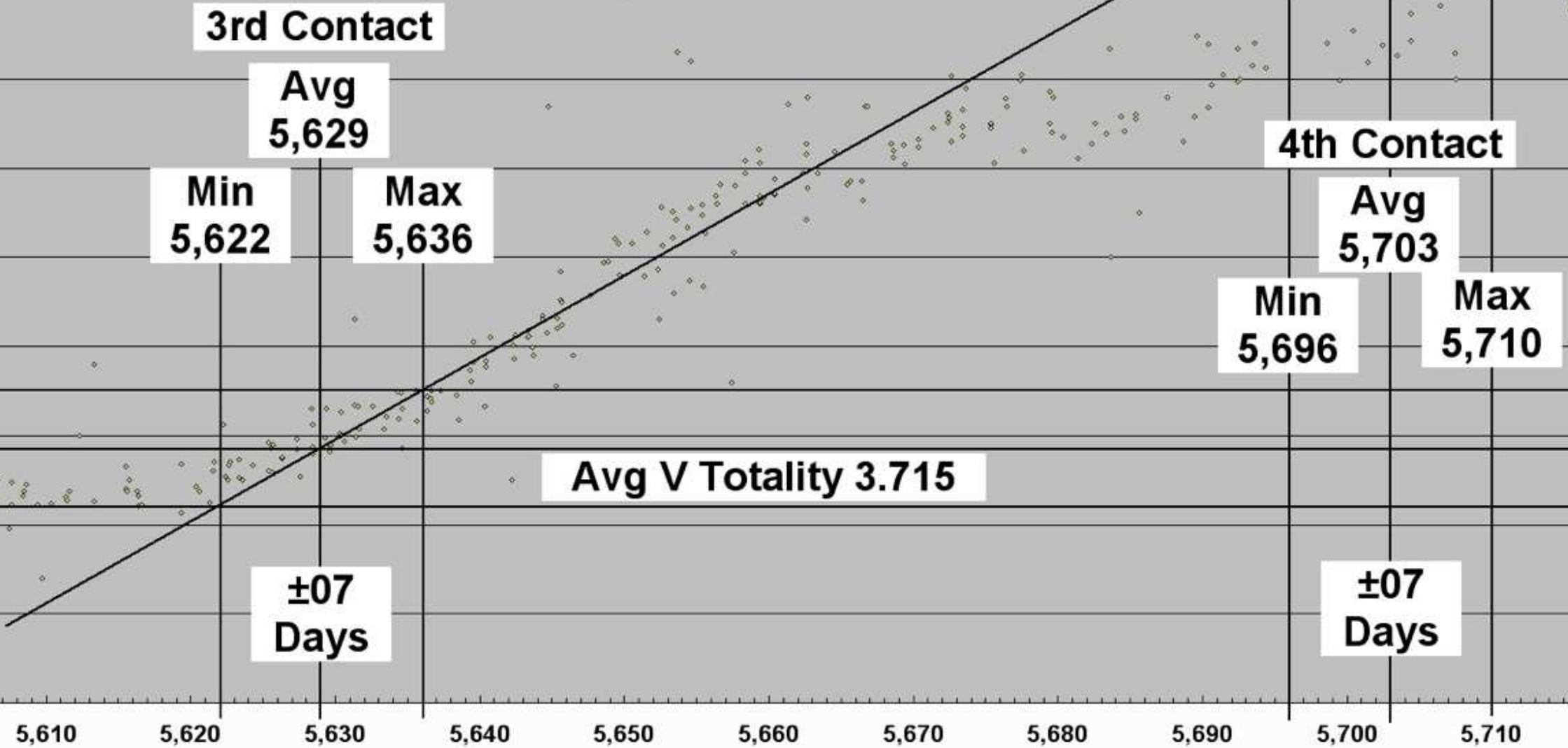
Knee

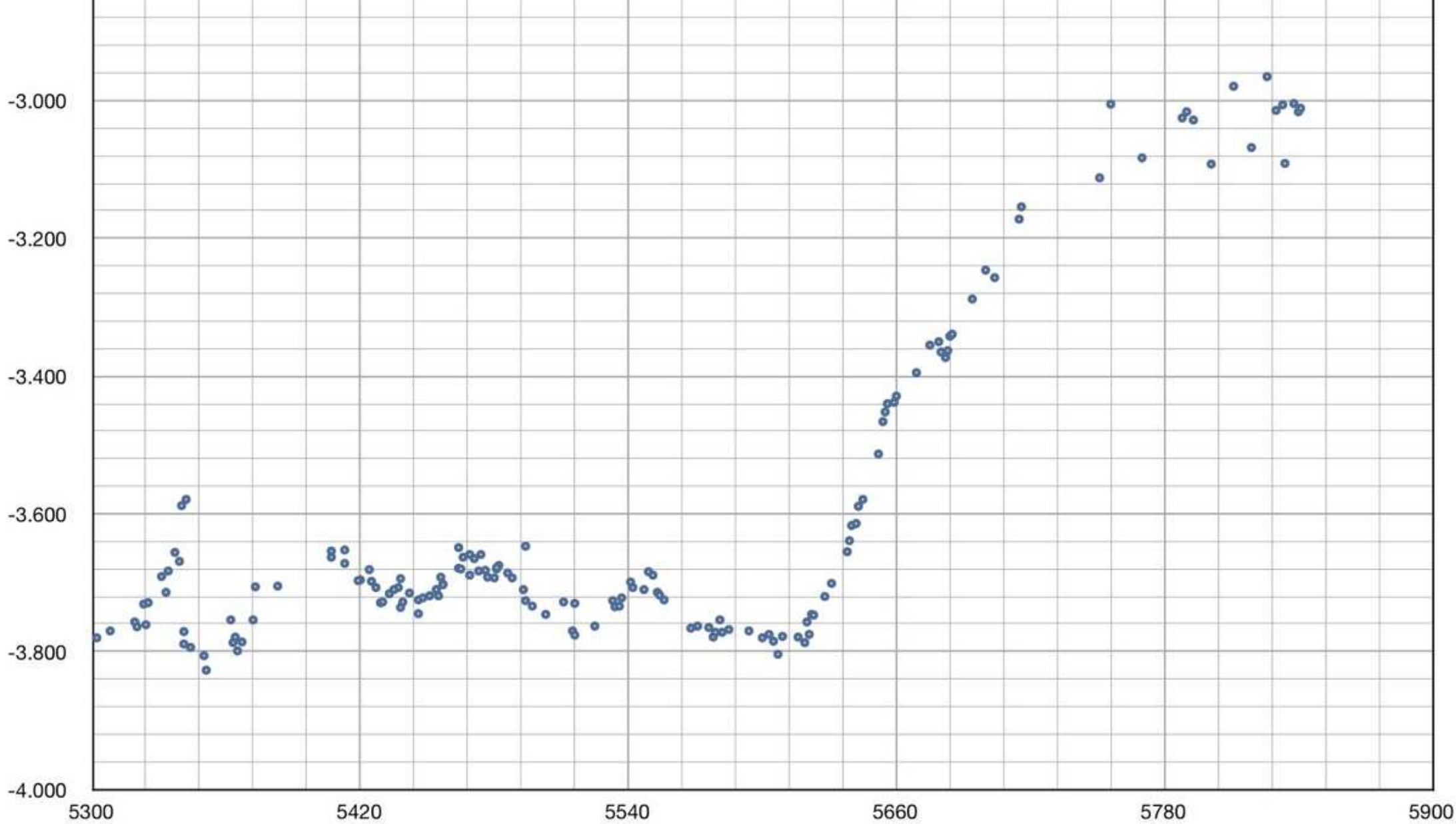




# V Band Egress

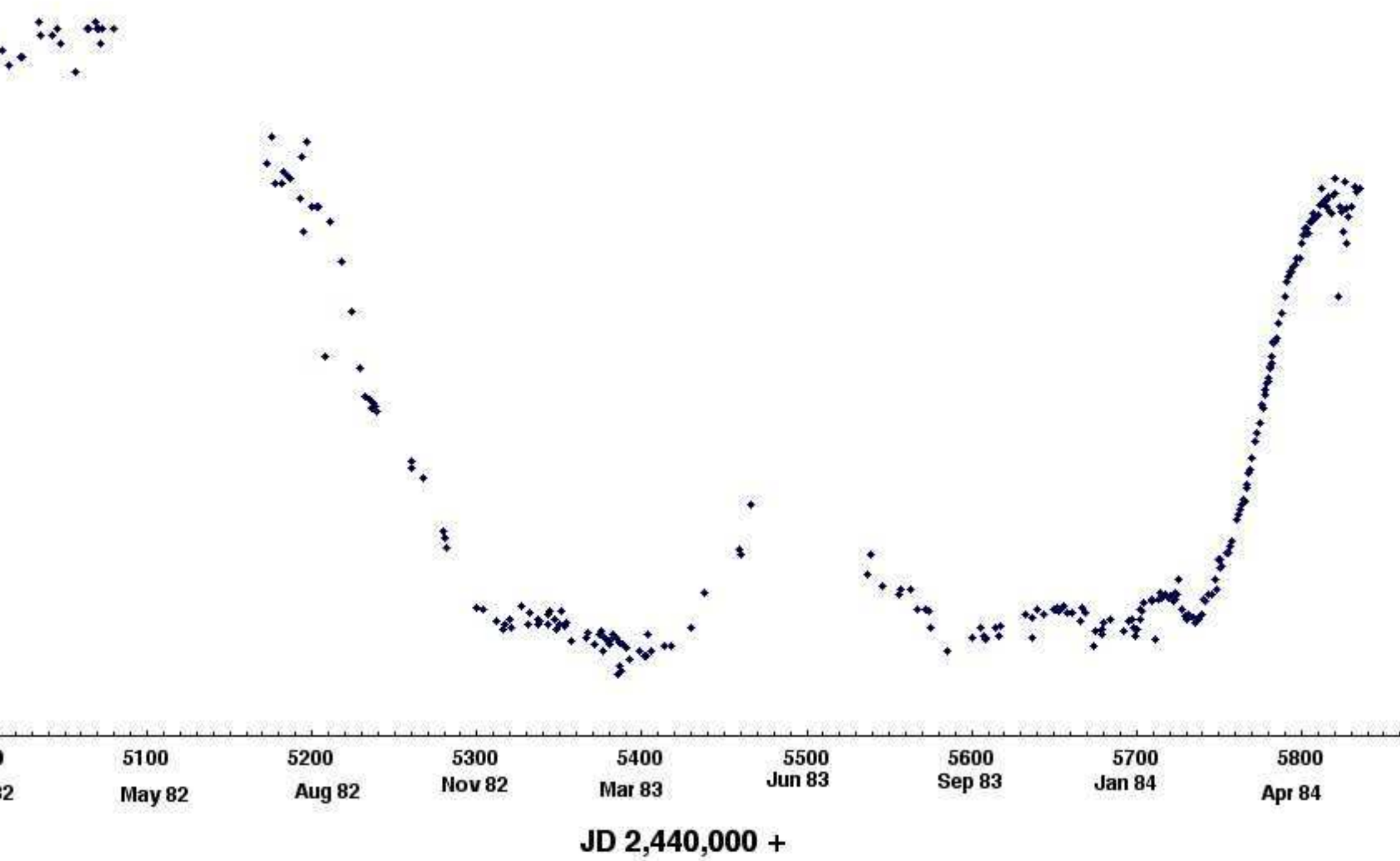
g OOE V Band 3.035





**Measurements of Des Loughney  
until 6th October 2011**

# Epsilon Aurigae V Data 1982 - 1984





# **Publications**

**A lot will be published on the eclipse in 2012.**

**There has been a call for papers for a special edition of the JAAVSO. The deadline is 1/3/12 with the edition due to be published on 1/8/12.**

rs: [Stencel, Robert E.](#); Kloppenborg, B.; [Sitko, M.](#); [Rayner, J.](#); Tokunaga, [A.](#)  
tion:

[ation:](#)

can [Astronomical Society](#), AAS Meeting #218, #225.04; Bulletin of the American Astronomical Society, Vol. 43, 2011  
ation Date: 05/2011

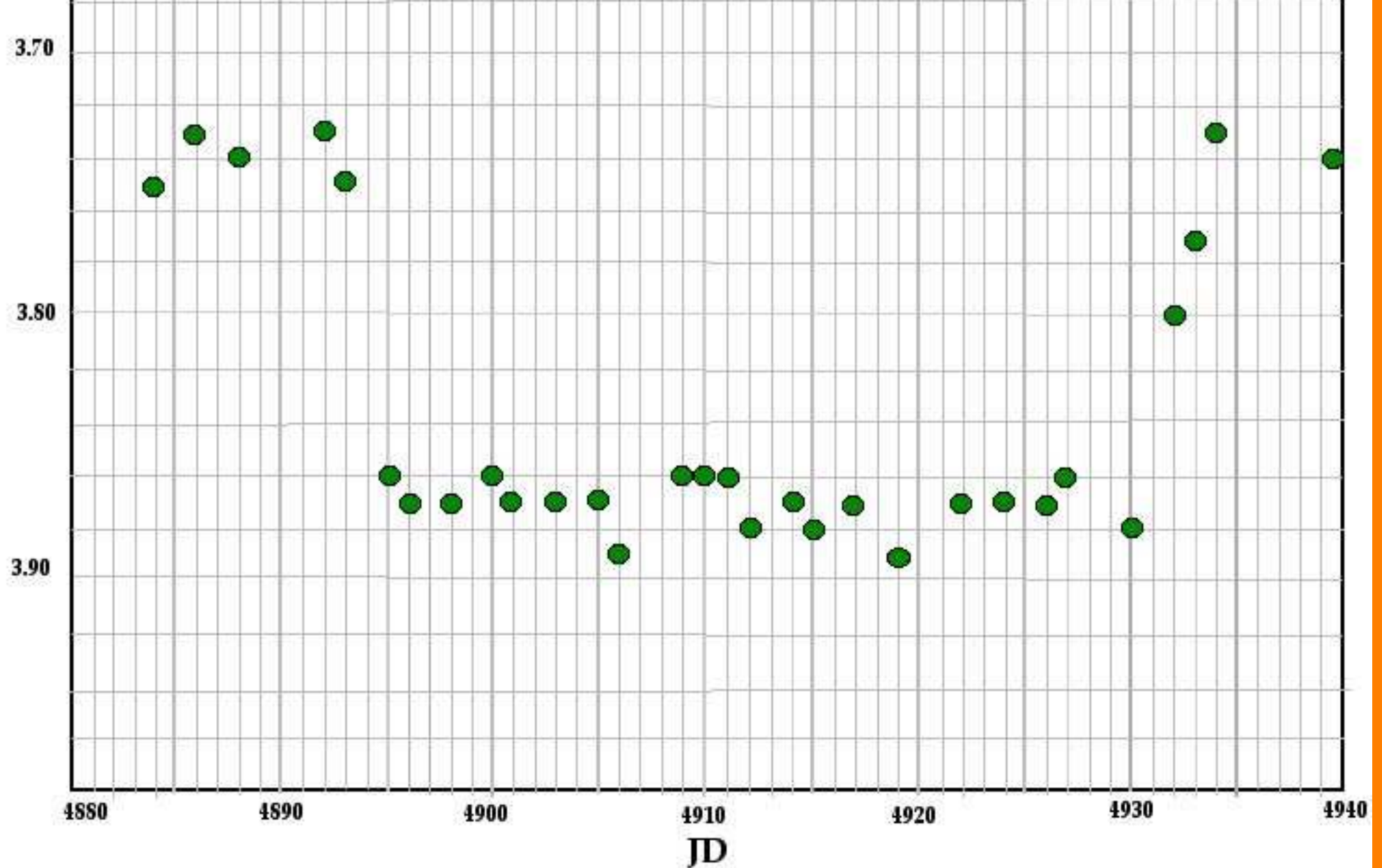
**Detection: August 24 2010 - November 12 2010**

**“This heated region could represent the presence of an upper main sequence object and accretion onto the hidden star inside the disk, in analogy to Be stars, symbiotics, zeta Aurs and YSOs”**

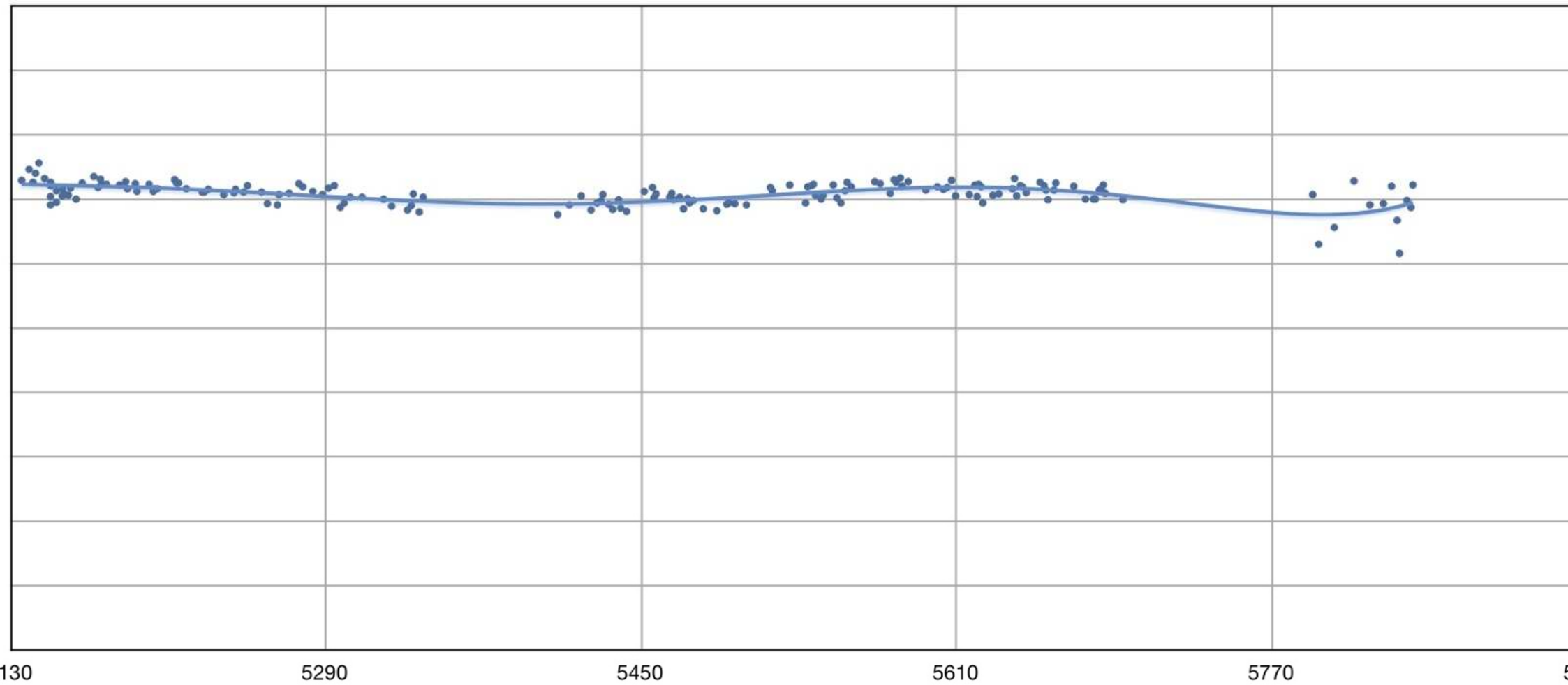
# **More precision photometry projects:**

- Zeta Aurigae eclipse**
- P Cygni international campaign**
- Rho Cas international campaign**





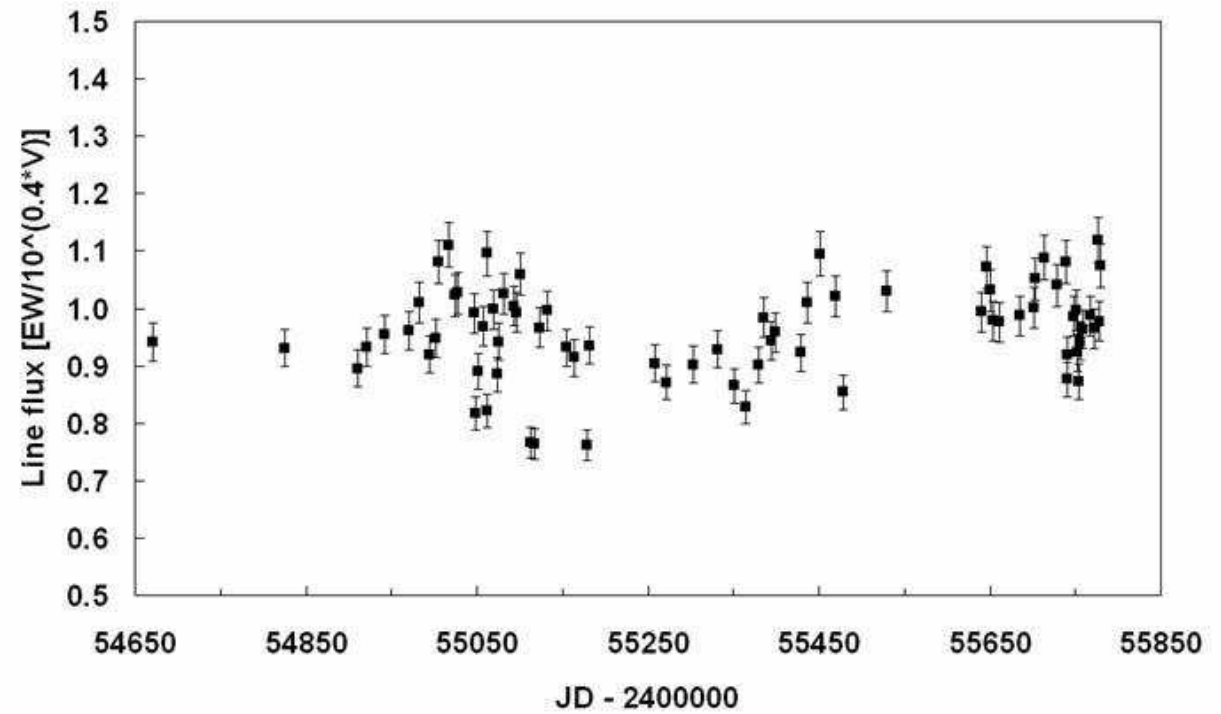
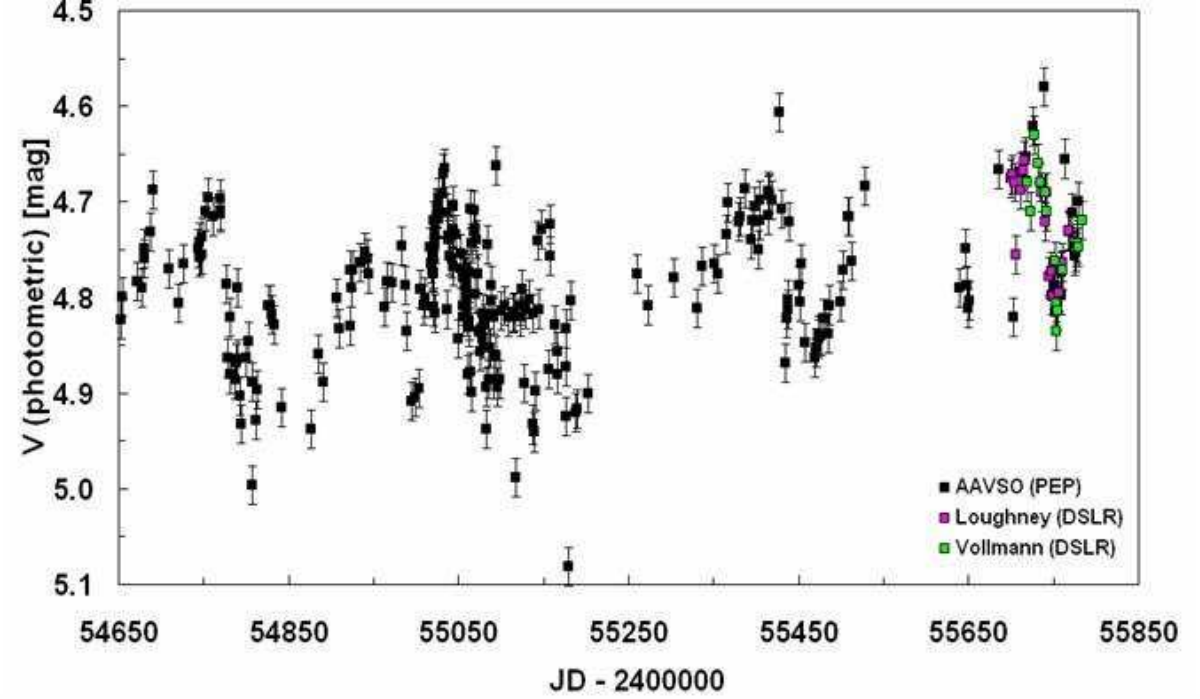
**2011 Eclipse**  
**Ingress: ~ 2nd November**



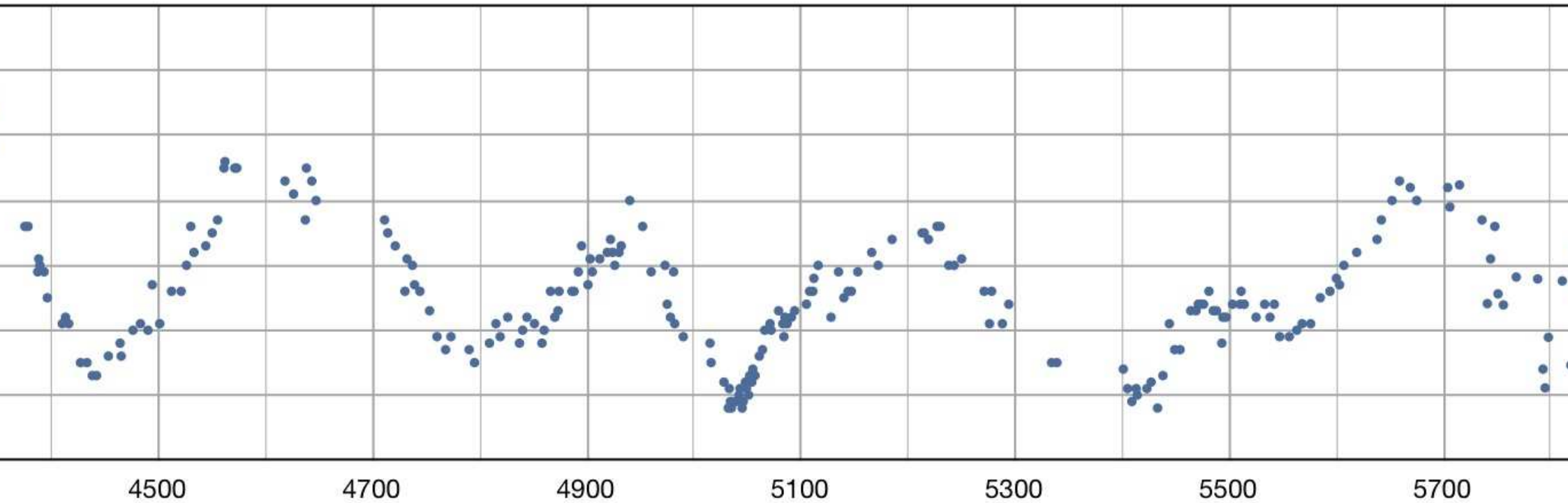
**Zeta Aurigae 2009 -2011**



Cygni







**Rho Cas: 2006 -2011**

