

# CoRoT planets summary

Table 1.: CoRoT *runs from 2007 to 2010.*

Run	Date start	duration [d]	Nb of Targets	Nb Cand.	to FUp	Nb Pln	Data Status
<i>IRa01</i>	02/2007	45	9 921	254	40	2	Public
<i>SRc01</i>	04/2007	26	7 015	261	62	0	Public
<i>LRc01</i>	05/2007	152	11 448	229	29	4	Public
<i>LRa01</i>	10/2007	150	11 448	304	79	3	Public
<i>SRa01</i>	03/2008	25	8 189	163	29	0	Public
<i>LRc02</i>	04/2008	150	11 448	286	56	3	Public
<i>SRc02</i>	09/2008	21	11 448	336	45	0	Public
<i>SRa02</i>	10/2008	32	10 305	217	32	1	Public
<i>LRa02</i>	11/2008	115	11 448	362	36	2	Public
<i>LRc03</i>	04/2009	89	5 724	244	61	2	Public
<i>LRc04</i>	07/2009	83	5 724	173	51	0	CoIs
<i>LRa03</i>	10/2009	148	5 329	124	22		CoIs
<i>SRa03</i>	03/2010	24	4 169	100	15		on alarm
<i>LRc05</i>	04/2010	84	5 724	89	22	0	on alarm
<i>LRc06</i>	07/2010	77	5 724	100	21		on alarm

# In the publication process ..

## **CoRoT-16b : possible eccentric orbit**

*Period* = 5.35 days

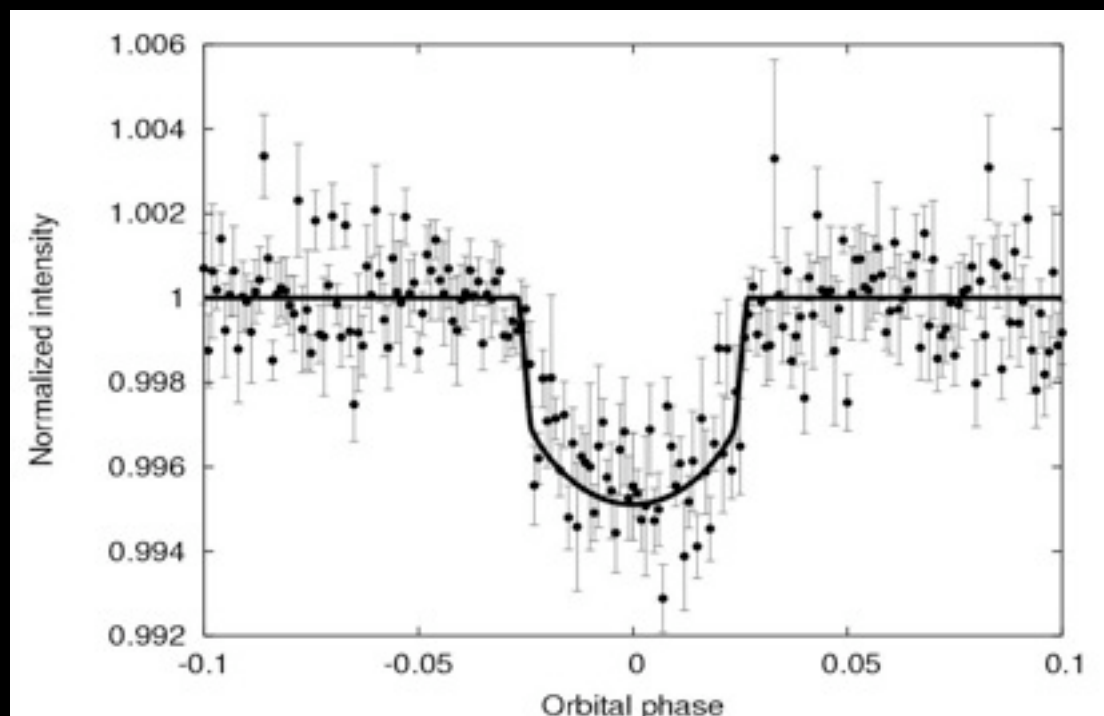
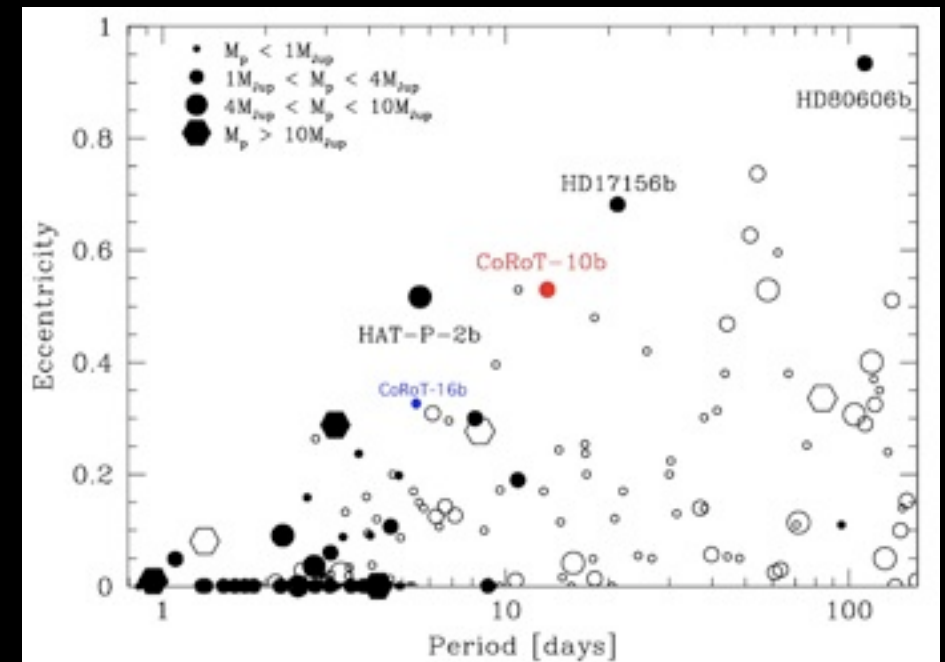
$M_p = 0.53 \pm 0.08 M_{Jup}$

$R_p = 1.17 \pm 0.14 R_{Jup}$

$e = 0.33 \pm 0.1$

$\rho = 0.33 \pm 0.11 / \text{cm}^3$

G2V  $[Fe/H] = 0.19$



## **CoRoT-17b : bloated HJ orbiting an old star**

*Period* = 3.77 days

$M_p = 2.45 \pm 0.16 M_{Jup}$

$R_p = 1.47 \pm 0.07 R_{Jup}$

$e = 0.0$

$\rho = 1.02 \pm 0.18 / \text{cm}^3$

G2V Age > 8 Gyr

$[Fe/H] = 0.00$

# In the publication process ..

## *Run reports : a very, very slow process*

*LRa01 : L. Carone*

*LRc02 : P. Bordé*

*SRa01 + SRa02 : S. Aigrain & F. Bouchy*

*SRc01 : A. Erikson*

Summer fields :

3 planet candidates under investigation

Winter fields :

One new confirmed planet : 2-sigma detection in the Keck RV series. Possible class IV

Shallow candidates under investigation

Confirmed HJ - Rad vel on going to get a better precision on the mass

Number of candidates in the follow-up pipe



# *Second CoRoT Symposium:*

## *Transiting planets, vibrating stars & their connection*

**14 to 17 June 2011 in Marseille at the Palais des Congrès.**

**<http://symposiumcorot2011.oamp.fr/>**

### **Scientific Organisation committee :**

- A. Baglin (chair)
- M. Deleuil
- E. Michel
- P. Bordé
- T. Guillot
- C. Moutou
- the CoRoT science council



# Web site :

on line since end of July 2010 / Announcement text - revised and revamped by Artie



Last update of the site: Thursday 9 December 2010 [RSS](#)

Search ? [OK](#)

## The Second CoRoT Symposium: Transiting planets, Vibrating stars and their connection

*14 - 17 June 2011 - Marseille, France*

[Home](#) > [The Second CoRoT Symposium: Transiting planets, Vibrating stars and their connection](#)

[Home](#)

[Program](#)

[Registration](#)

[Abstracts](#)

[Venue](#)

[Contact](#)

[Sitemap](#)

## The Second CoRoT Symposium: Transiting planets, Vibrating stars and their connection

**14-17 June 2011, Marseille, France**

The CoRoT is a pioneering mission for the space-based study of extra solar planets and asteroseismology. The First CoRoT Symposium held in Paris in February 2009 focused on the first scientific results from the mission. CoRoT has been delivering high precision photometric data since January 2007 and the first two years of CoRoT data are now public. These data have been analyzed by a broader community for science beyond the initial objectives of CoRoT.

**Please join us for the Second CoRoT Symposium to be held in Marseille, France, at the Palais des Congrès from June 14 to 17, 2011.**

The aim of this conference is to explore the synergy between exoplanets and asteroseismology. By bringing the planetary and stellar communities together this symposium's seeks to give rise to new projects that will lead to advances in the integral study of planetary systems and their host stars.

# Program

Preliminary program :  
very few input from the CS  
P. Bordé, C. Moutou, T. Guillot  
E. Michel, A. Baglin

Call for 2 parallel sessions

## Tuesday 14<sup>th</sup>

date	session	title
Morning	Session I	CoRoT highlights
Afternoon	Session II	Transiting planet detection & characterization - Part I

## Wednesday 15<sup>th</sup>

date	session	title
Morning	Session III	Time domain stellar astrophysics - Part I
Afternoon	Session II	Transiting planet detection & characterization - Part II

**Wednesday evening - symposium dinner - special event: Moon eclipse**

## Thursday 16<sup>th</sup>

date	session	title
Morning	Session III	Time domain stellar astrophysics - Part II
Afternoon	Session IV	The star-planet connection - Part I

## Friday 17<sup>th</sup>

date	session	title
Morning	Session IV	The star-planet connection - Part II
Afternoon	Session V	Planet and stellar populations Conclusions and future prospects

# Agenda

*Pre-registration open since nov 04, 2010*

## **Important dates and deadlines**

- **31 January 2011:** travel grant submission
- **31 January 2011:** theme for splinter session
- **31 March 2011:** end of pre-registration
- **30 April 2011:** end of abstract submission
- **15 May 2011:** end of final registration and payments
- **14–17 June 2011:** colloquium
- **December 2011:** publication of the proceedings



# Location :

Conference diner :

- location: under study - sea s
- wednesday 15, 2010 : Moon



Wednesday, February 9, 2011



# Social event :

Conference diner :

- location: under study - sea side preferred
- wednesday 15, 2010 : Moon eclipse





# Social event :





# Proceedings or no proceedings ?

EDP Sciences, international editor : proposition to include one A&A journal and EAS Pub. Series in the symposium bag - or allow them to have a booth.  
Return : advertisement in their next publications

Decision should be taken for possible (or not) proceedings



*Second COROT Symposium:*

*Transiting planets, vibrating stars  
& their connection*

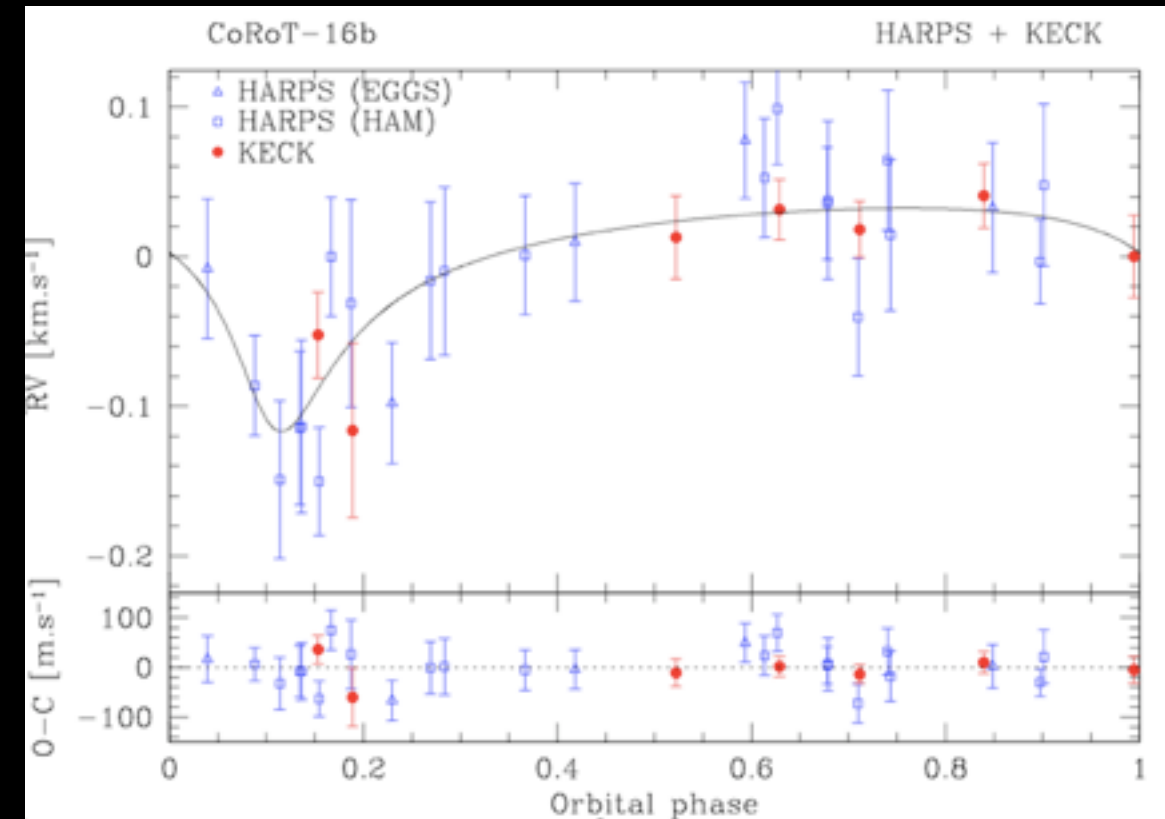
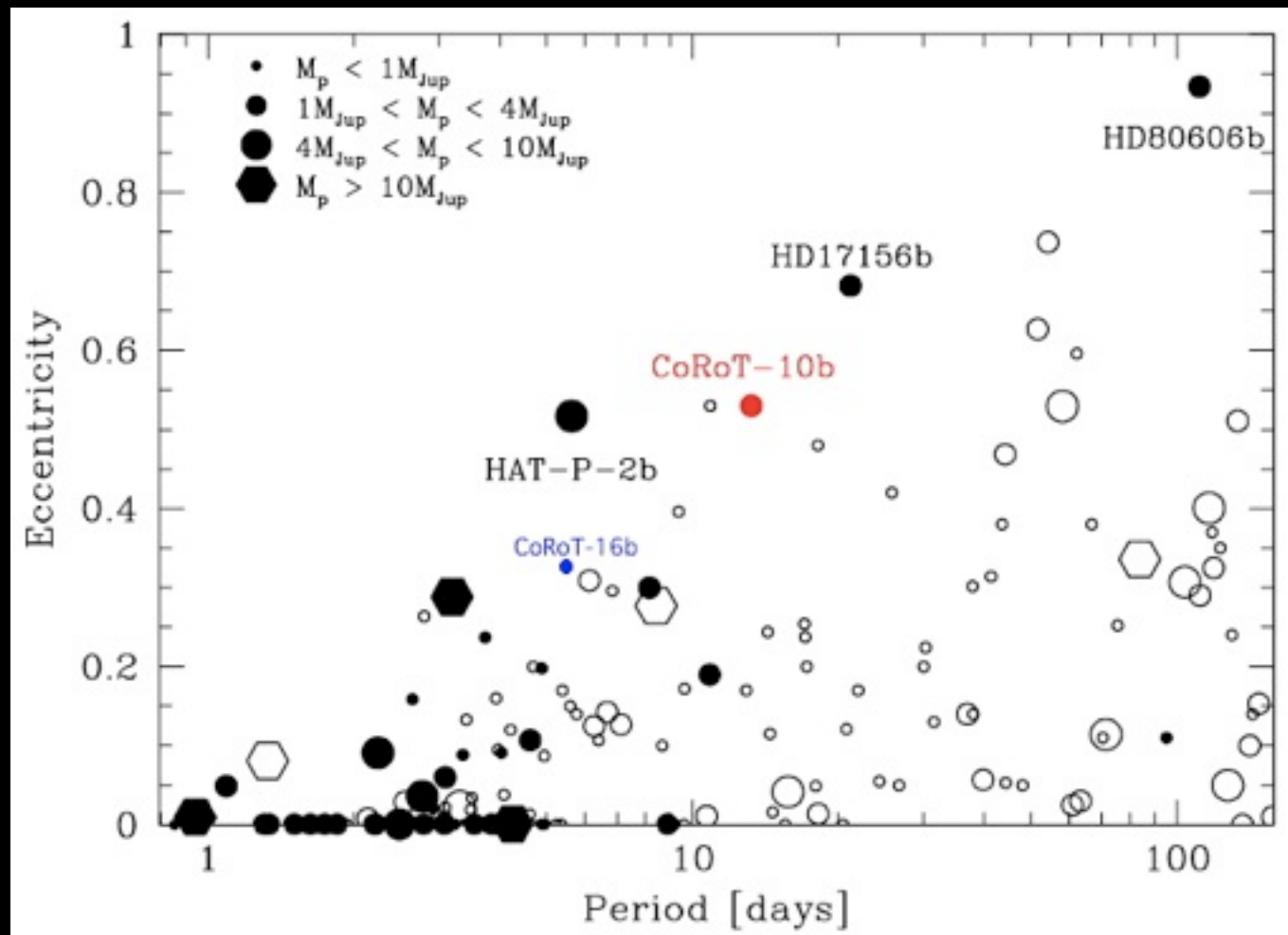
**14 to 17 June 2011 in Marseille at the Palais des Congrès.**

**<http://symposiumcorot2011.oamp.fr/>**

***Advertisement welcome!***



# CoRoT-16b : possible eccentric orbit



## CoRoT-16b :

*Period = 5.35 days*

$M_p = 0.53 \pm 0.08 M_{Jup}$

$R_p = 1.17 \pm 0.14 R_{Jup}$

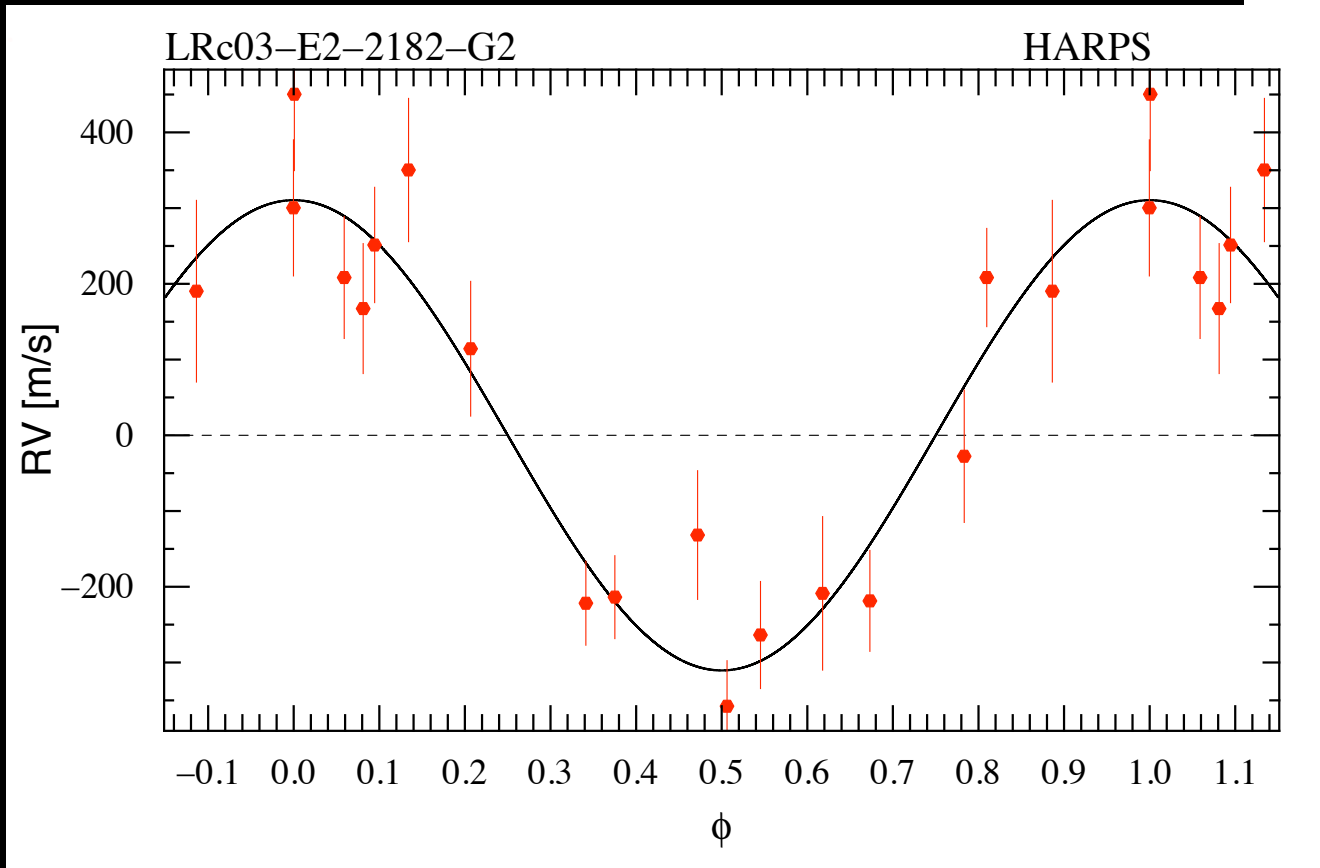
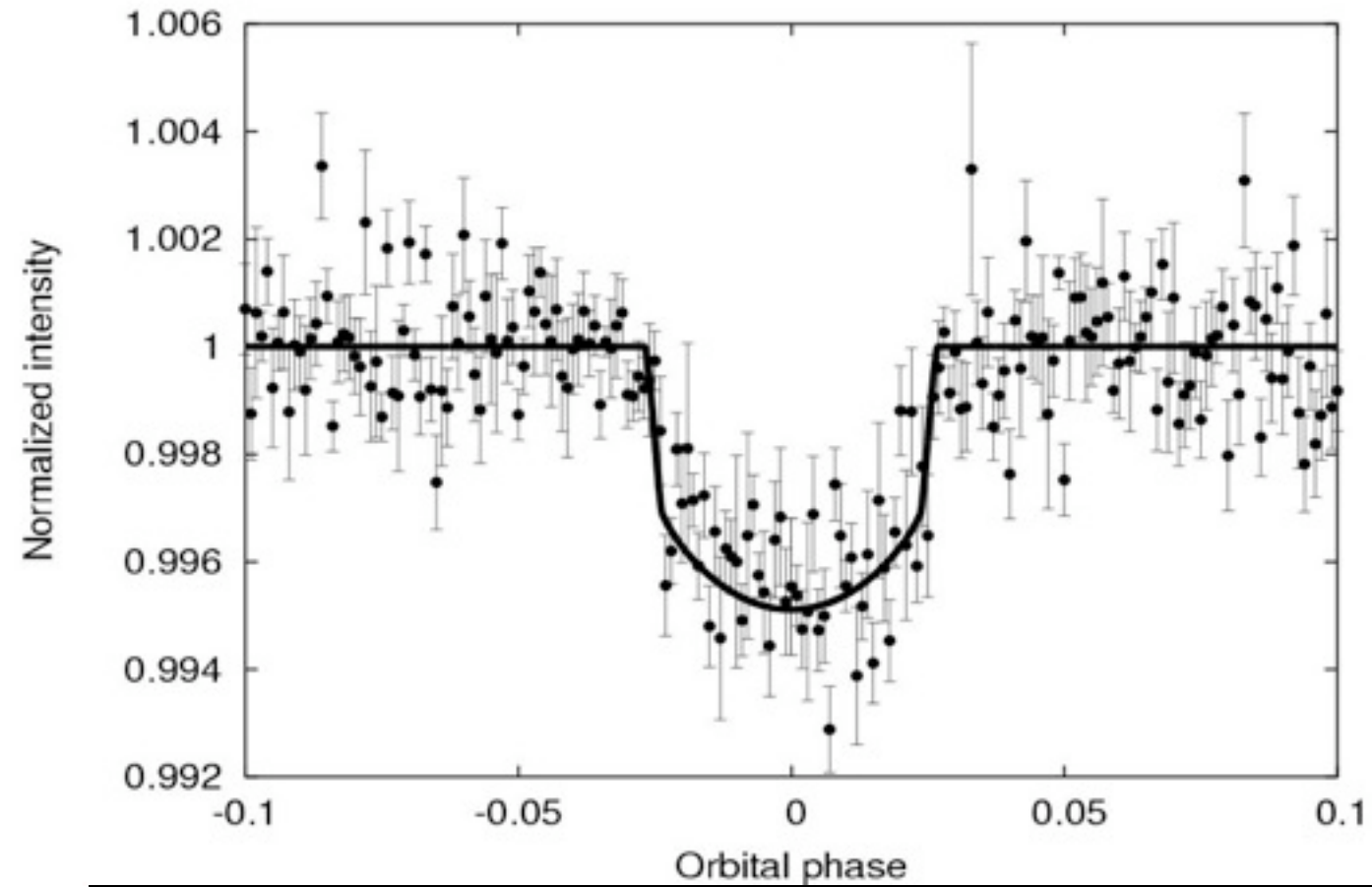
$e = 0.33 \pm 0.1$

$\rho = 0.33 \pm 0.11 / \text{cm}^3$

G2V  $[Fe/H] = 0.19$

*Ollivier et al., to be subm.*

# CoRoT-17b : bloated Jupiter orbiting an evolved G2 star



## CoRoT-17b :

*Period = 3.77 days*

$M_p = 2.45 \pm 0.16 M_{Jup}$

$R_p = 1.47 \pm 0.07 R_{Jup}$

$e = 0.0$

$\rho = 1.02 \pm 0.18 / \text{cm}^3$

*G2V*    *Age > 8 Gyr*

$[Fe/H] = 0.00$

*Csizmadia et al., to be subm.*



## Announcement text - revised and revamped by Artie

The CoRoT is a pioneering mission for the space-based study of extra solar planets and asteroseismology. The First CoRoT Symposium held in Paris in February 2009 focused on the first scientific results from the mission. CoRoT has been delivering high precision photometric data since January 2007 and the first two years of CoRoT data are now public. These data have been analyzed by a broader community for science beyond the initial objectives of CoRoT.

**Please join us for the Second CoRoT Symposium to be held in Marseille, France, at the Palais des Congrès from June 14 to 17, 2011.**

The aim of this conference is to explore the synergy between exoplanets and asteroseismology. By bringing the planetary and stellar communities together this symposium's seeks to give rise to new projects that will lead to advances in the integral study of planetary systems and their host stars.