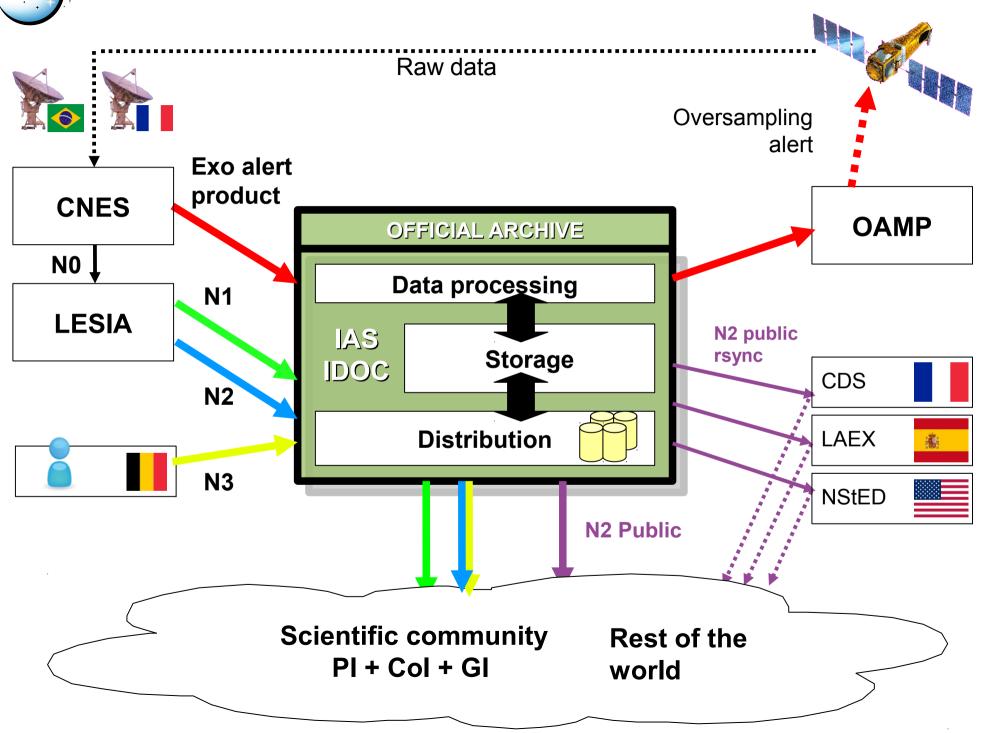


CoRoT Data distribution



The CoRoT Archive at CDS

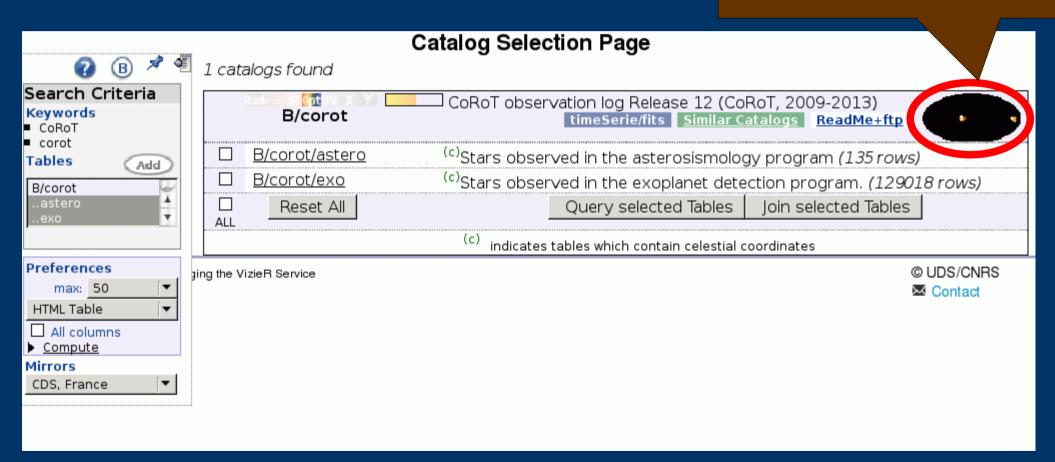
François Ochsenbein Françoise Genova CDS, Strasbourg

CDS and CoRoT

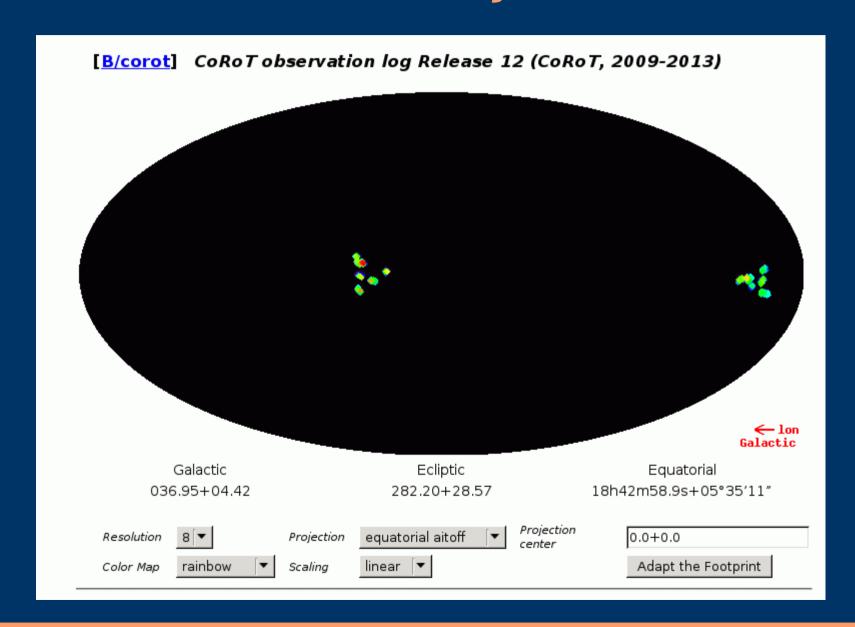
- CDS has been participating on its own resources in the CoRoT adventure since the first observations to promote access to the mission products:
 - the photometric observations (FITS files)
 - the table of observations, built from the FITS headers, is accessible as any of the ~11,000 catalogs now existing in
- Since 2009, the successive versions of the CoRoT-N2 *public* data are mirrored at CDS, thanks to IAS (currently ~500Gb)
- The CDS services being VO-compatible, CoRoT results are *de facto* accessible from any of the many tools aware of the VO protocols. For instance the results on the stars observed by CoRoT are retrieved from generic searches based on a position on the sky.

CoRoT in VizieR

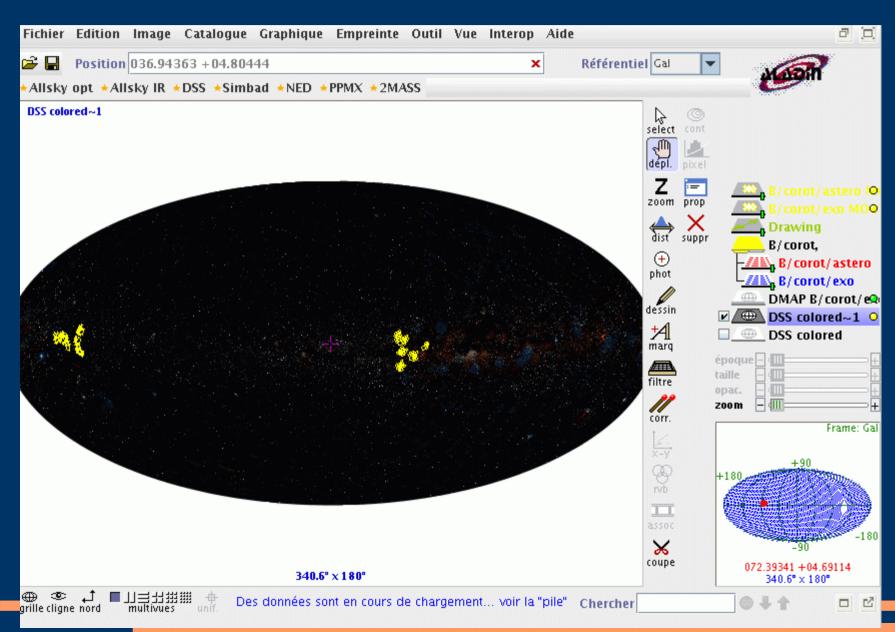
Distribution on the sky



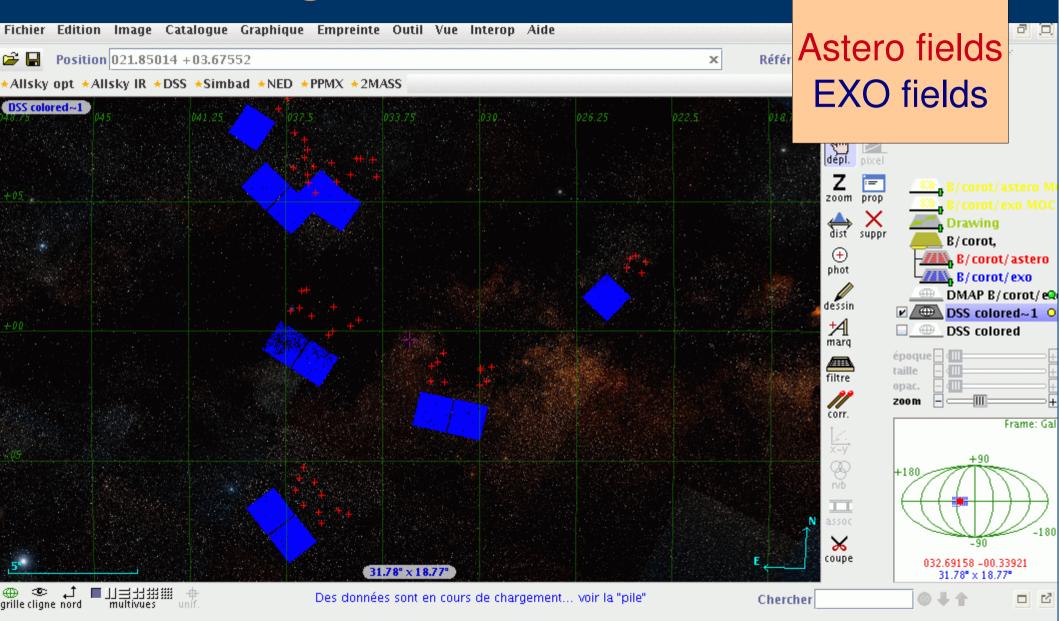
... distribution on the sky



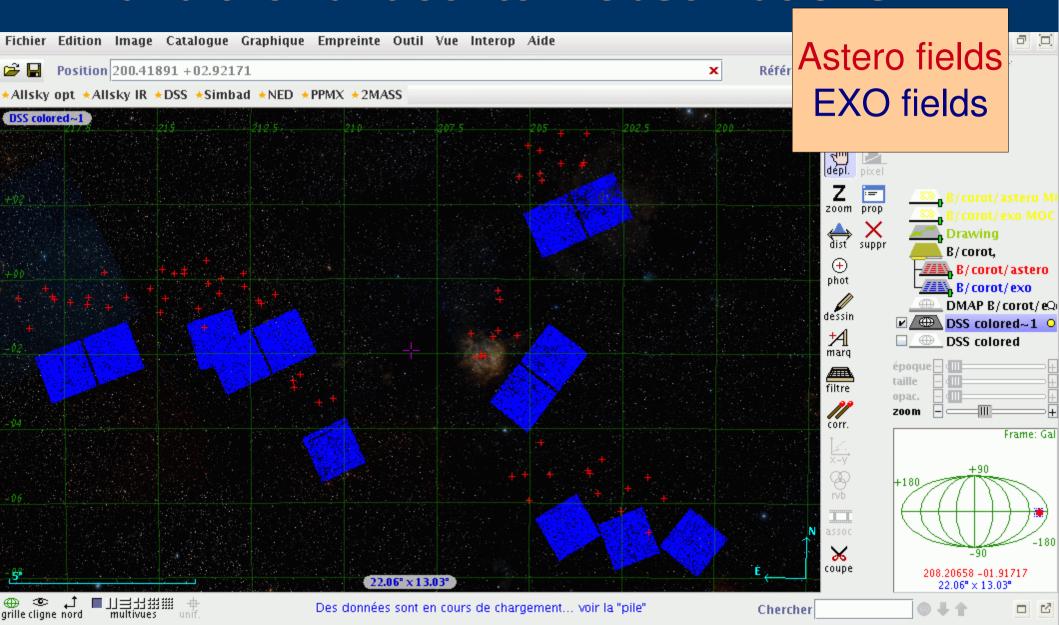
Aladin gives interactive details of the observations...



... zooming into the "center" fields

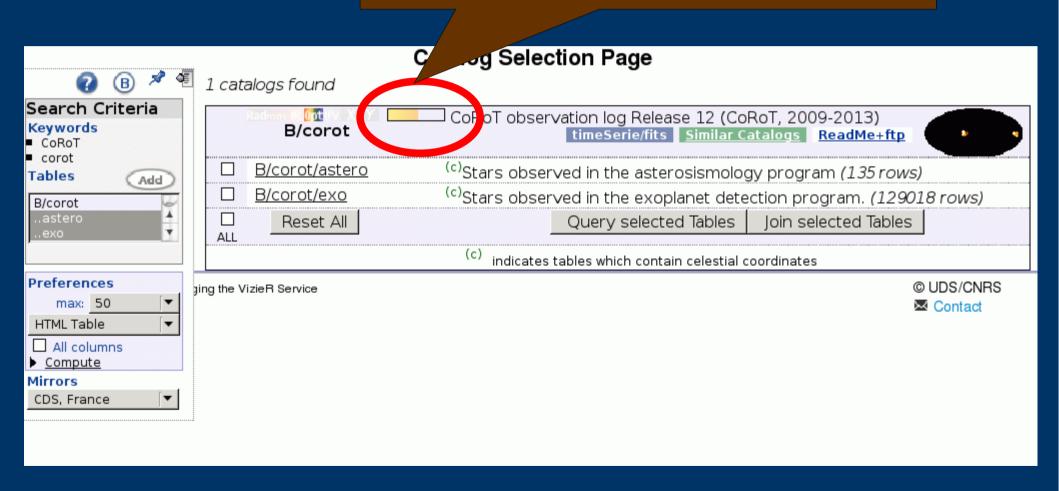


...and the "anticenter" observations



CoRoT in VizieR (continued)

Statistics on the usage of the catalog

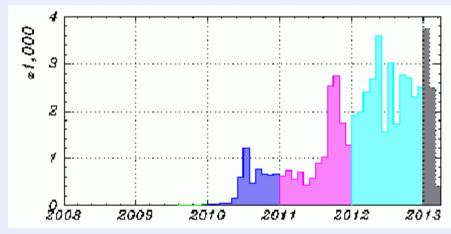


Statistics on Catalog Usage

VizieR popularity of catalog B/corot

[Back] · [Forwd] · [Print] · [Close]

B/corot CoRoT observation log Release 12 (CoRoT, 2009-2013)



The plot shows the number of monthly requests addressed to catalog **B/corot** on all VizieR mirrors.

The raw numbers of monthly requests addressed to catalog **B/corot** (on all VizieR mirrors) may be found here

Show the plot in log

The popularity represented as a progress bar in the VizieR pages is computed as the percentage of queries addressed to catalog **B/corot** on a log scale.

Statistics about the usage of the CoRoT data can be retrieved at any time, as a plot or as a table of monthly numbers (currently ~100 daily requests)

Querying the CoRoT catalog

B/corot/astero CoRoT observation log Release 12 (CoRoT, 2009-2013)

Post annotation

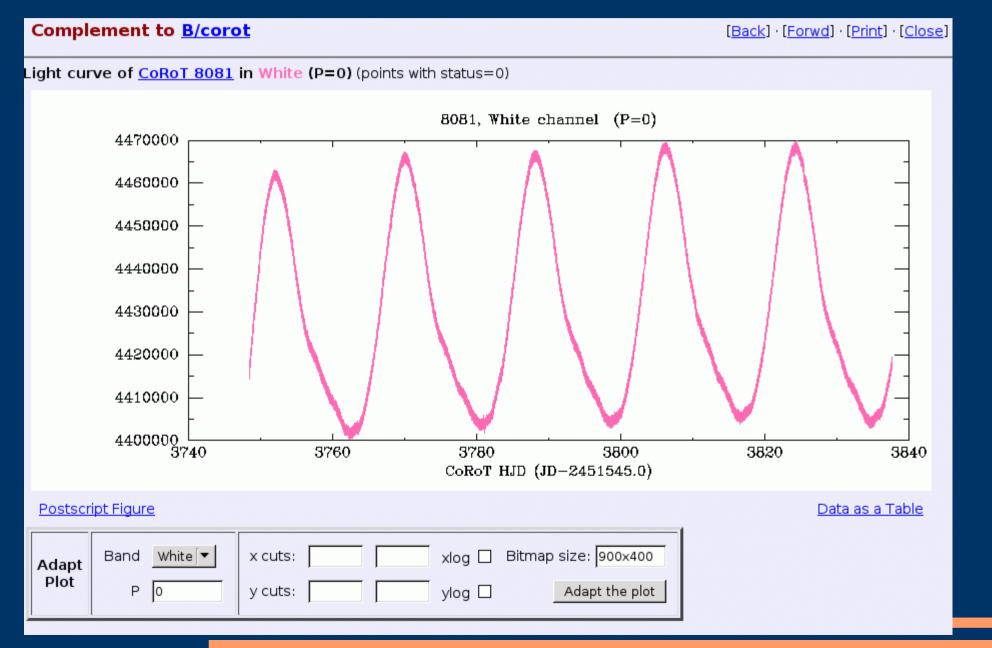
Stars observed in the asterosismology program (135 rows) [METAtab] [METAcola] [stats]

ReadMe+ftp

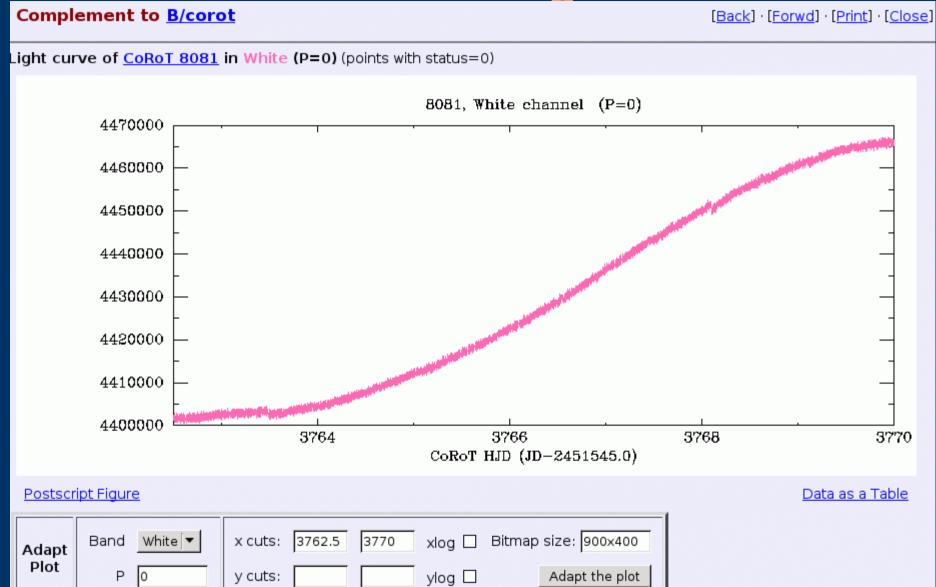


<u>Full</u>	RAJ2000	DEJ2000	<u>lmg</u>	date1	date2	CoRoT	SpT	Run	Vmag	(B-V)	RAJ2000	DEJ2000	size	Star	<u>Plot</u>	<u>FITS</u>
	<u>"h:m:s"</u>	<u>"d:m:s"</u>	△▼	<u>5</u>	<u>5</u>	△▼	△▼	ΔΨ	maq	maq	deq	deq	<u>Mbyte</u>	△▼	Δ▼	△▼
1	18 31 04.56	+04 37 37.1		2010-04-06	2010-07-05	8303	B5	LRc05	7.730	0.190	277.76900	+04.62696	21.194	HD 170783		nload the time serie
			NAME OF TAXABLE PARTY OF TAXABLE PARTY.												file	ime sene
2	18 30 05.04	+04 03 55.3	Mark Street Street	2010-04-06	2010-07-05	8252					277.52100					
		+03 39 34.6	VVVVV	2010-04-06	2010-07-05	8081					278.02900					
4	18 33 40.80	+04 35 32.5	~~	2010-04-06	2010-07-05	8167	K0	LRc05	8.090	0.840	278.42000	+04.59237	21.194	HD 171264	Plot	<u>FITS</u>
<u>5</u>	18 30 41.28	+04 30 39.0	Mit halt de grap (lega lenge I per les en general) gig fra Len film general en gelgen en en springen en g	2010-04-06	2010-07-05	8301					277.67200				Plot	<u>FITS</u>
<u>6</u>	06 09 07.25	+07 30 48.7		2010-12-17	2011-03-22	5631	G0	LRa05	6.655	0.887	092.28020	+07.51353	22.280	HD 42089	<u>Plot</u>	<u>FITS</u>
Z	06 12 00.58	+06 46 59.1	Physical Company of the Company of t	2010-12-17	2011-03-22	4910	G4V	LRa05	6.870	0.630	093.00240	+06.78308	22.222	<u>HD 42618</u>	<u>Plot</u>	<u>FITS</u>
<u>8</u>	06 10 10.06	+06 19 12.5	han diametralitan perlitan perlitan Seletar perintalitan perlitan sentental	2010-12-17	2011-03-22	4977	АЗ	LRa05	7.640	0.230	092.54190	+06.32013	22.320	HD 42299	Plot	<u>FITS</u>
<u>9</u>	06 11 58.73	+07 23 28.8		2010-12-17	2011-03-22	5175	B1V	LRa05	7.040	-0.110	092.99470	+07.39132	22.320	HD 42597	Plot	<u>FITS</u>
<u>10</u>	06 06 40.58	+06 43 49.9	ماسخوانطالوريوسوس	2010-12-17	2011-03-22	5685	A5	LRa05	7.860	0.270	091.66910	+06.73053	22.320	HD 41641	Plot	<u>FITS</u>

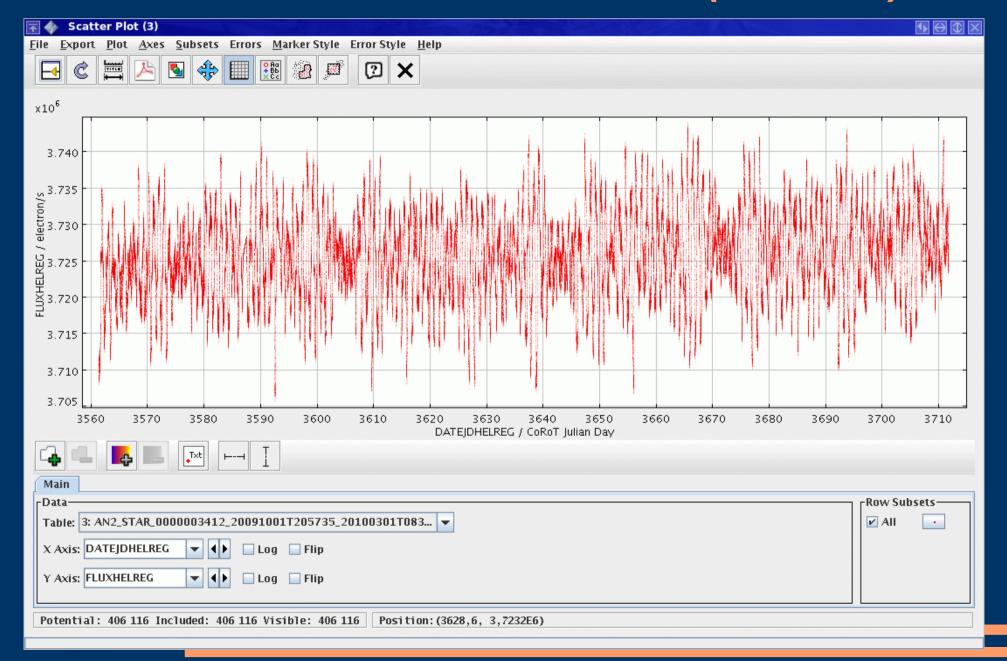
... visualisation



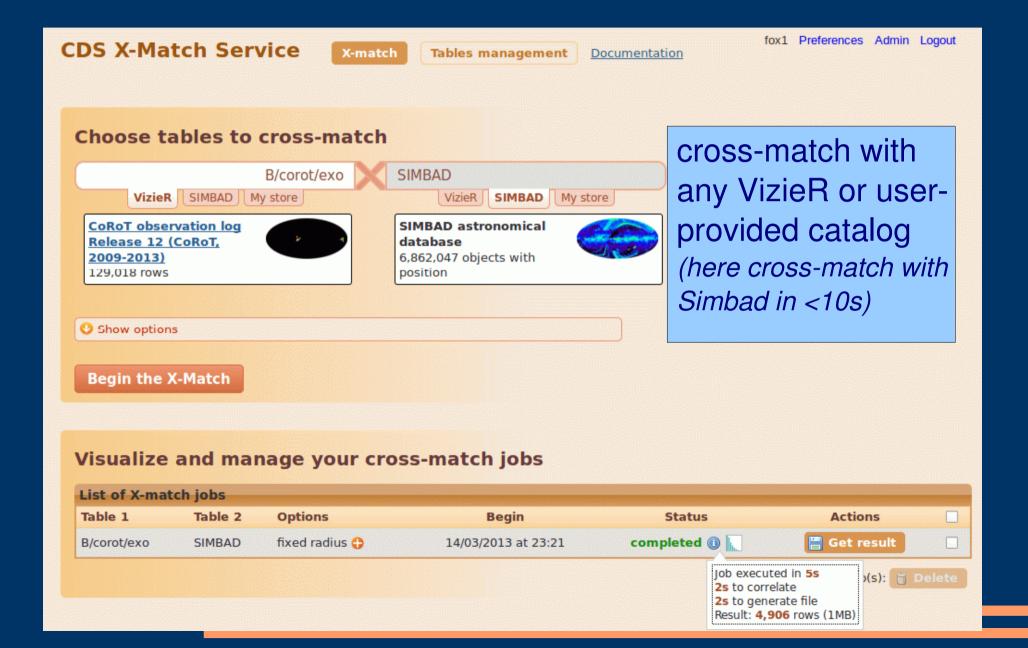
... some details of the light curve...



...visualisation with VOtools (TOPcat)...



Fast cross-match with other catalogs



A fruitful collaboration...

- brings a good visibility to CoRoT data and results
 - through VizieR (average of 460.000 queries/day)
 - from the Virtual Observatory tools (Aladin, topcat, ...)
 - easily connected to database and surveys (Simbad, cross-matches with surveys)
- CDS is ready to host other products (e.g. from LAM)

Thank you!