

The logo for ALADIN features the word "ALADIN" in a bold, black, sans-serif font. The text is centered and overlaid on a dark blue horizontal bar. Behind the bar and text is a stylized, swirling graphic composed of red and blue lines, surrounded by a cloud of small red and blue dots. The entire graphic is set against a white background with a green decorative element in the top-left corner.

ALADIN

Pierre Fernique

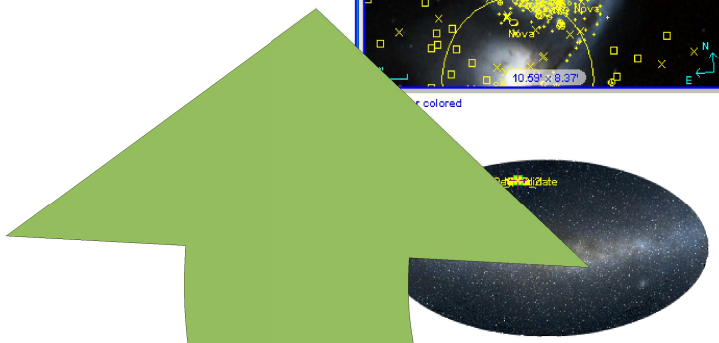
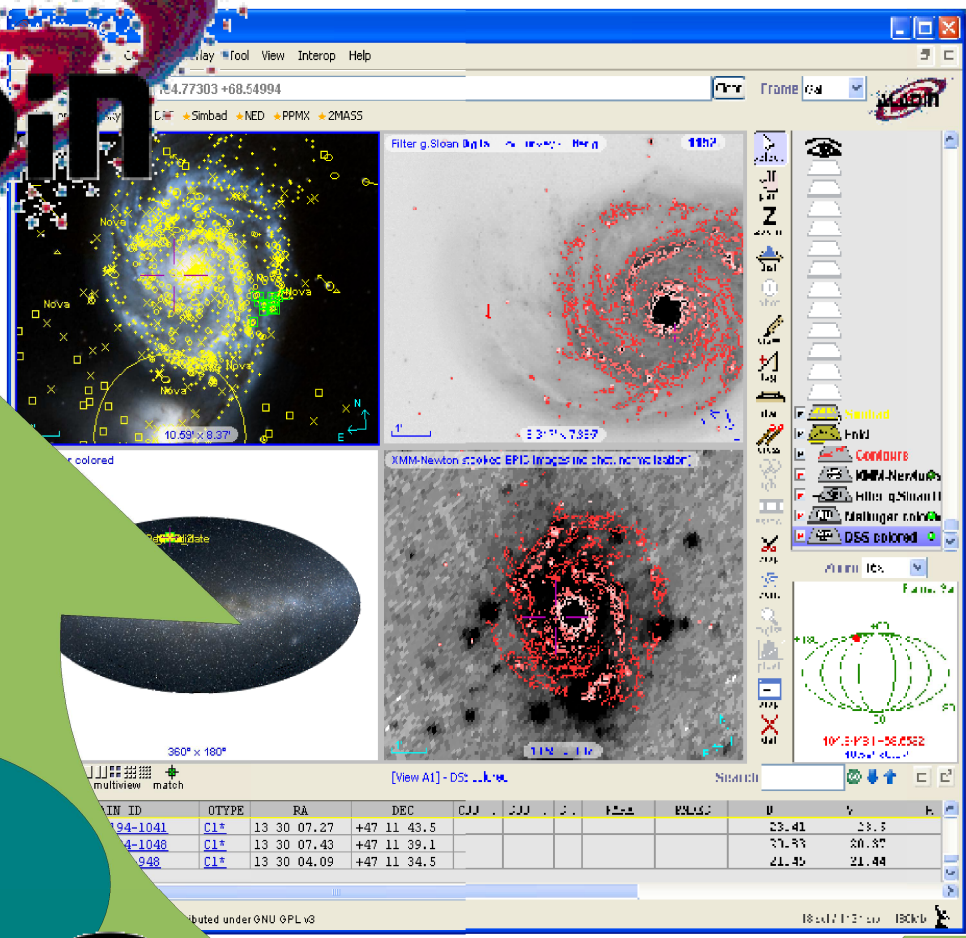
CDS council – June 2011

Service description

« *Aladin has become the astronomical reference software dedicated to the integration, visualization and manipulation of images and catalogues provided by most of astronomical data servers in the world (CDS, ESO, ESA, NASA, CADC,...) »*



ALADIN



EDS
 SIMBAD
 All vizieR
 Aladin images

Remote
 CADC
 MAST
 NED
 SkyBot
 SkyView
 UKIDSS

File

- Image
 - Optical
 - Halpha
 - CO
 - IR
 - Radio
 - Infrared
 - IRAC1 - 3.6mu (GLIMPSE, CSD, Taurus)
 - IRAC2 - 4.5mu (GLIMPSE, CSD, Taurus)
 - IRAC3 - 5.8mu (GLIMPSE, CSD, Taurus)
 - IRAC4 - 8.0mu (GLIMPSE, CSD, Taurus)
 - MIPS1 - 24mu (MIPSGAL, CSD, Taurus)
- DIRBE
- 2MASS (DPAC/NASA)
- IRAS
- X
- Progressive catalog
- Density map



all VO

- Hubble Legacy Archive (HLA)
- 2MASS All-Sky Quicklook Image Service
- The IRAS Sky Survey Atlas
- Aladin
- 2MASS Large Galaxy Atlas
- The NASA/IPAC Extragalactic Database Image Data Atlas
- Multimission Archive at STScI (MAST)
- SOCDD
- Info frame
- FSSM
- F785LP
- F150W
- F187W
- F160W

Fits VOTable
 Healpix SIA ASCII
 Jpeg RGB Cube
 CSV

Aladin dash board



May 2011

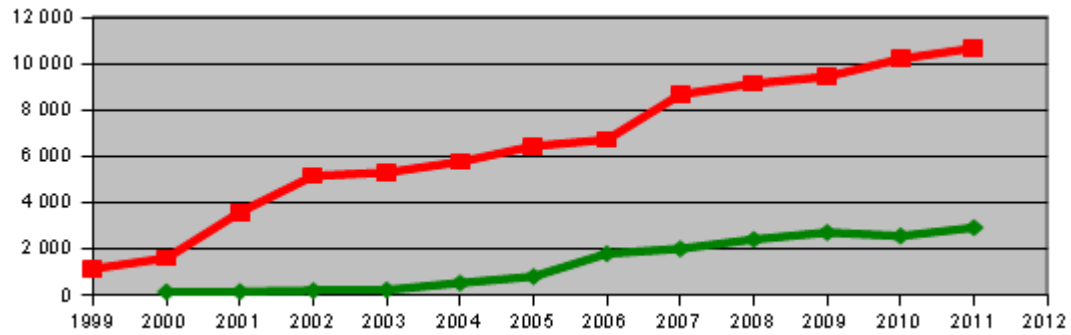
- 1 900 sessions/day
- 15 000 queries/day
+ 19 000 Healpix query/day
- 90 software installations/day
- 210 000 java code lines
- ~2 FTE (*P.Fernique, T.Boch, F.Bonnarel, A.Oberto*)



Since 3-4 years,
Aladin has become a real
alternative to DS9

Evolution

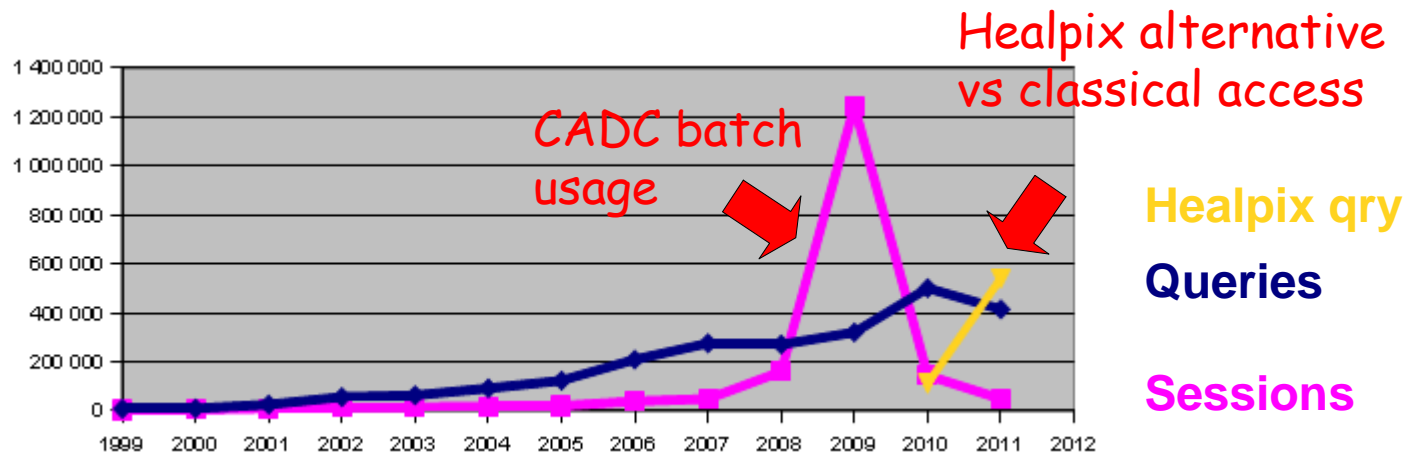
Audience



Hosts

Install

Usage



Healpix alternative vs classical access

CADC batch usage

Healpix qry

Queries

Sessions

(*) per month

All figures

Par mois	Hosts		Queries		Sessions		Install		Healpix queries	
1999	1 158		8 599		2 327					
2000	1 619	40%	10 074	17%	5 017	116%	158			
2001	3 595	122%	26 323	161%	10 228	104%	172	9%		
2002	5 163	44%	56 870	116%	14 497	42%	215	25%		
2003	5 311	3%	63 969	12%	15 231	5%	244	13%		
2004	5 769	9%	92 425	44%	18 431	21%	545	123%		
2005	6 449	12%	123 775	34%	20 979	14%	823	51%		
2006	6 726	4%	209 841	70%	39 328	87%	1 807	120%		
2007	8 677	29%	276 301	32%	45 127	25%	2 021	12%		
2008	9 146	5%	271 435	-2%	160 437	227%	2 422	20%		
2009	9 444	3%	320 963	18%	1 244 584	676%	2 722	12%		
2010	10 215	8%	501 842	56%	145 250	-58%	2 572	-6%	111 473	
2011	10 673	4%	414 880	-17%	49 016	-66%	2 932	14%	541 863	388%

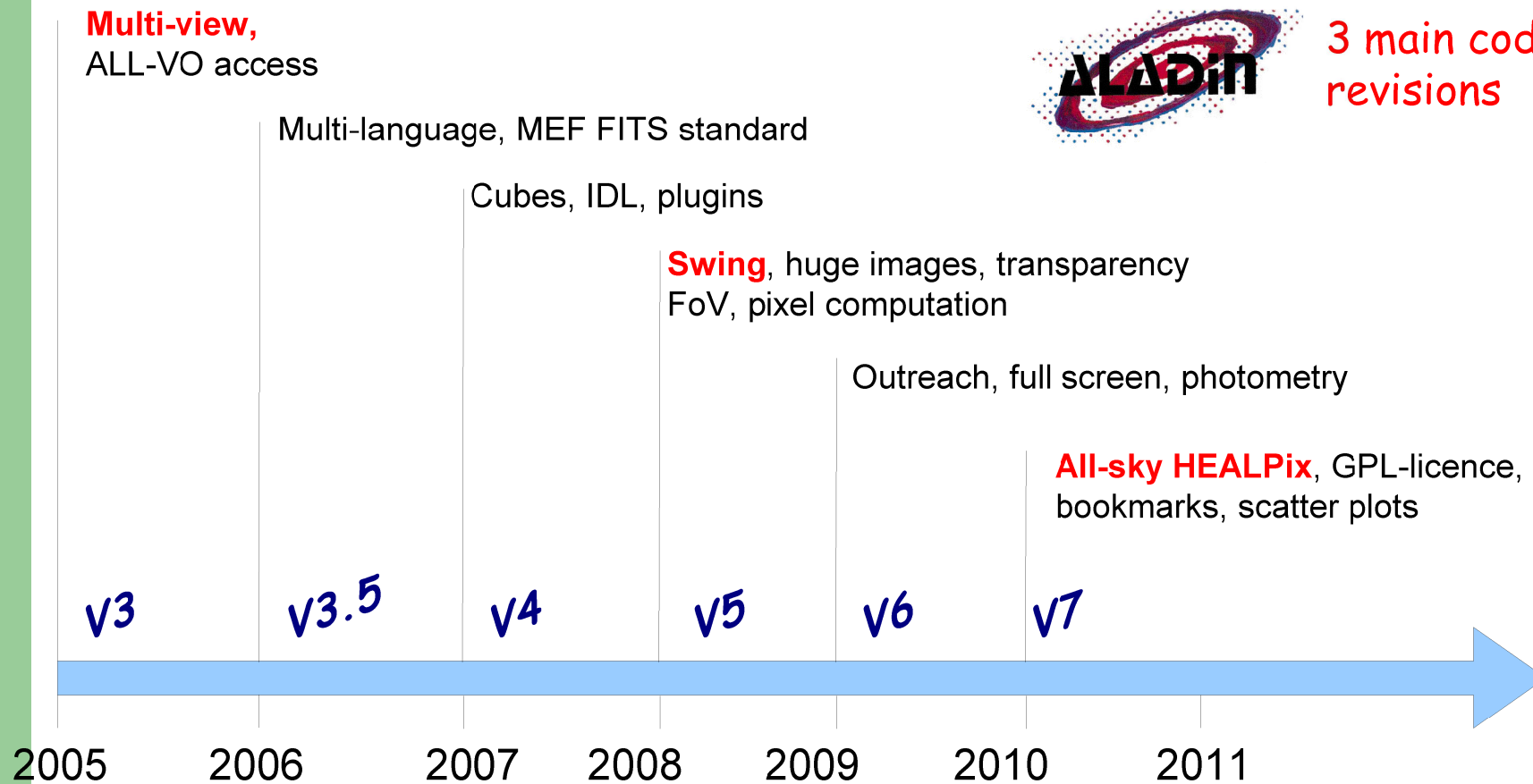
CADC
batch usage

Healpix alternative
vs classical access

Main code evolutions



3 main code revisions



Specific Aladin servers at CDS

Historically : Aladin image server
=> Objectivity database on a Sun

+ Simbad
+ VizieR

2010 : Simbad fast access

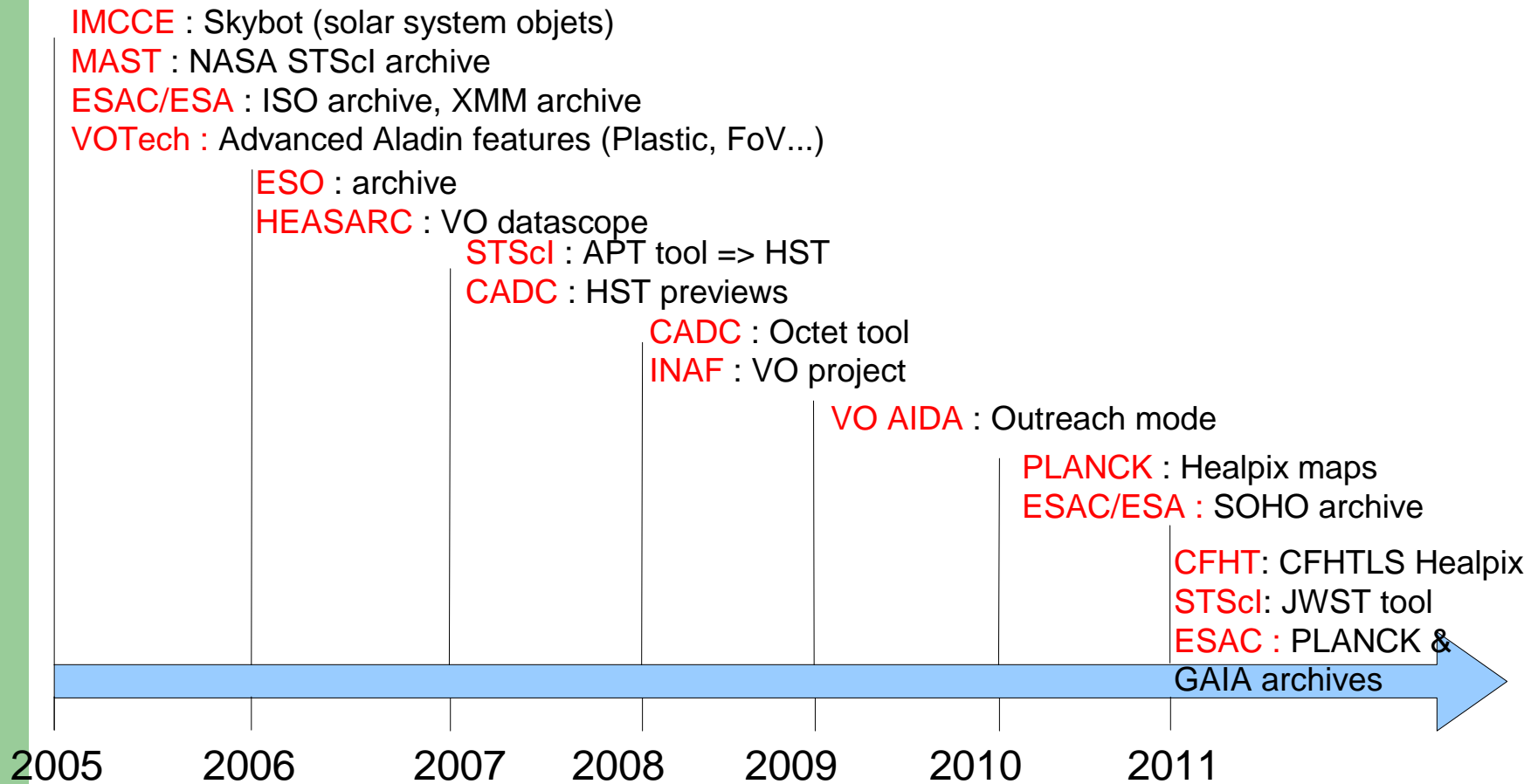
2011 : 2 mirrored HEALPix servers (2 x
linux/30TB)

+ 3 computation machines (3 x linux/12TB)



New paradigm with
HEALPix all-sky mode

Main collaborations



Next steps...

- Continue data all-sky/wide-field integration (pixels, catalogs, footprints)
- Prototyping + implementation of a « metadata » server (*evolution of the historical image data server*)
- Prototyping of a HTML5 Light client (*alternative to Aladin applet – ie inside the Web navigator*)

Short demo...

Google Rechercher

Environ 28 900 000 résultats (0,08 secondes) [Google.com in English](#) [Recherche avancée](#)

Tout
Images
Vidéos
Actualités
Shopping
Plus

Strasbourg
Changer le lieu

Le Web
Pages en français
Pays : France
Pages en langue étrangère traduites

Date indifférente
Les plus récentes
Moins de 24 heures
Moins d'une semaine
Moins d'un mois

► [Aladin, ou la Lampe merveilleuse - Wikipédia](#) 🔍
Aladin, ou la Lampe merveilleuse (titre long : Histoire d'**Aladin**, ou la Lampe merveilleuse) est un conte présenté avec les Mille et Une Nuits. ...
Résumé - Pistes interprétatives - Histoire littéraire du récit - Adaptations
[fr.wikipedia.org/.../Aladin,_ou_la_Lampe_merveilleuse](#) -
En cache - Pages similaires

YouTube - [Aladin - ce rêve bleu](#) 🔍
 3 min - 24 déc. 2006 - Importé par pttdisney
Aladin pourquoi t'existe pas ? :(, laragazzaa 1 week ago 3 ...
Added to queue **aladin**-ce reve bleu (CLIP+PAROLE)by couettelouloute2398929 ...
[www.youtube.com/watch?v=5-4vXiIB-nA](#)

YouTube - [Aladdin Prince Ali \(french\)](#) 🔍
 3 min - 11 juin 2007 - Importé par body72
Added to queue **Aladin** - ce rêve bleuby pttdisney4973133 views ·
Thumbnail 4:01, Add to, Added to queue Le Roi Lion (The Lion King ...
[www.youtube.com/watch?v=i9vsbVHvlss](#)

Autres vidéos pour [aladin](#) »

[Aladin : Atlas du Ciel](#) 🔍
Aladin est un atlas interactif du ciel qui permet aux utilisateurs de visualiser des images digitalisées du ciel et d'y superposer des informations issues ...
[aladin.atrope.fr/aladin.html](#) - En cache - Pages similaires

For the fun...

Aladin tw.pdf - Adobe Reader

天文學家的阿拉丁神燈

The Aladin Sky Atlas

天象星繁浩，雖然每一顆星看似大性、位置、亮度、特徵、運動狀態...，無一不開宇宙之謎的重要線索。這些上帝的掌中明珠，一般業餘者耳熟能詳的Starry_Night等，在上傳顆恆星資料與資料時，可謂毫無招架。天文學專業需求的強力astronomical Data Center Atlas (上圖) 正是其中

Doc translations

Courses

Técnicas experimentales en Astrofísica

Práctica

Departamento de Astrofísica

Facultad de Ciencias Físicas, Universidad Complutense de Madrid

7 Ciencia con ALADIN

OBJETIVOS

- Aprender a buscar y familiarizarse con el software.
- Calibración astronómica.
- Estudio de la morfología fotométrica y de las regiones en una galaxia.
- Identificación de regiones de observación espectral.

Astronomy Tools and the Aladin Sky Atlas by Peter Campbell-Burns | Farnham Astronomical Society

HOME MEMBERS VENUES OBSERVING PROGRAMME CONTACTS EVENTS RESOURCES

Astro societies

Re: Aladin Sky Atlas (#3 (permalink))

Posts: 7,416
Join Date: Oct 2005

lunator is Offline
Super Moderator
Main Sequence

Re: Aladin Sky Atlas - 27th June 2007, 01:34 PM

Barkis

I use it all the time.

It is a fantastic resource although not infallible as if the database it uses is incorrect then Aladin is incorrect.

Cheers

Ian

News groups

28th International School of Astronomical Databases and Software

INAOE, Tonantzin

Surfing the Tsunami

Lab 3: The Wonder of Reference Sky Images

ALADIN is an interactive software for visualizing and analysing astronomical images and catalogs. Soft-pedia.com

In this lab you will explore the

CIEL ESPACE

AGENCE PHOTOS

Inscrivez-vous à la newsletter

RECHERCHE DANS LE SITE

ACCUEIL LA LUNE PHOTOGRAPHIE

RENCONTRES PETITES-ANNONCES

LA LUNE

RÉVOLUTION NUMÉRIQUE, LE CIEL REDÉCOUVERT

En 2002, il s'est vendu en France plus de 200 000 exemplaires de ce magazine.

hors-série CIEL espace

Photographe le ciel

17-07/2007

SOMMAIRE DU MAGAZINE

EDITO

ne ap-pening

Magazine

Download Aladin 6.011 Free - A sky atlas for visualizing and analysing astronomical images and catalogs. Soft-pedia.com

SOFTPEDIA

Updated one minute ago

Today's News: SoftPlay Beta for Android Phones and Tablets Updated with New Features and Improvements

WINDOWS GAMES DRIVERS MAC LINUX SCRIPTS MOBILE HANDHELD

PROGRAM FINDER

Aladin 6.011

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- FTP clients
- IP/DVD Tools
- Mobile Phone Tools
- Multi-media
- Networking
- Office
- Share
- System
- Terminal

DOWNLOAD

Downloads: 2,599

User Rating: Fair (2.9/5)

Developer: Pierre FERNIQUE | More programs

License / Price: Freeware / FREE

Size / OS: 2.6 MB / Windows All

Software repositories

Aladin for Astronomy at the University of Louisville - Mozilla Firefox

Aladin for Astronomy at the University of Louisville

Contents

- Data Analysis Systems
- Image Display Servers
- Graphics Software
- Scripting Languages
- Scientific Libraries
- Miscellaneous Utilities
- Virtual Observatory Tools

Virtual Observatory Tools

- Aladin - Aladin Sky Atlas
- VOSpec - tool for handling
- VOplot - VOTable plotting
- Plastic - PLaform for ASTRonomical Tool InterConnection
- Specview
- Splat - Spectral Analysis Tool
- Stills - Starlink Tables Infrastructure Library Tool Set
- TOPCAT - Tool for OPERations on Catalogues And Tables

You must have a Java-enabled browser to run Aladin on the Web.

University tools

internet de una amplia base de datos.