

Archive GIRAFFE

Frédéric ROYER

GEPI – Observatoire de Paris

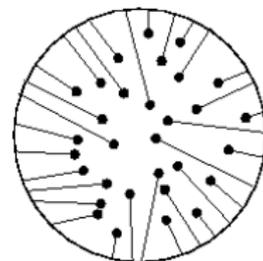
Atelier Bases de données en spectroscopie stellaire
18 octobre 2006

- 1 Observations
 - Modes d'observation
 - Production de données
 - Archive ESO
- 2 Projet d'archive GEPI
 - Effectifs
 - Prototype d'archive
 - Traitement
- 3 Coordination avec l'ESO

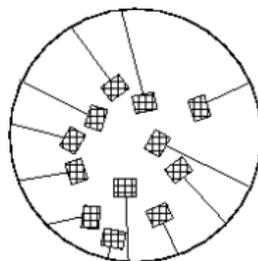
Modes d'observation

GIRAFFE \equiv spectrographe multi-objets

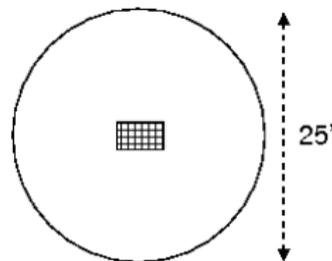
- 3 modes d'observation: MEDUSA, IFU, ARGUS



MEDUSA (< 132 objets)



IFU (< 15 objets)



ARGUS (1 objet)

Production de données

- Mise en route :

- ▶ avril 2003

- Durée de propriété :

- ▶ 1 an

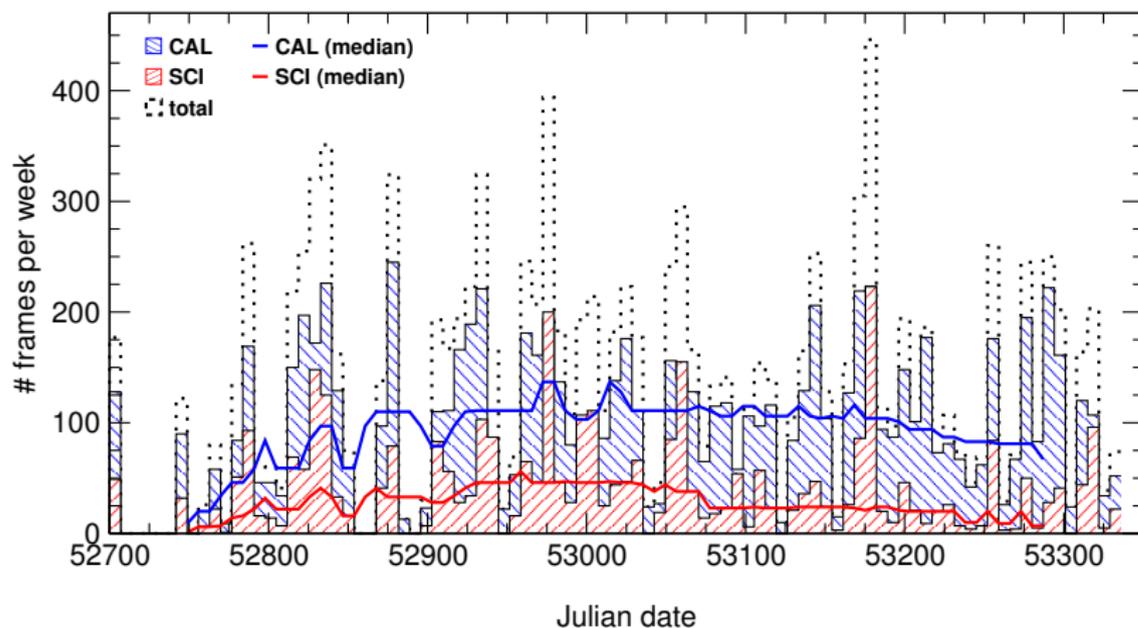
- Taux de production :

- ▶ ≈ 5.5 images SCIENCE / jour

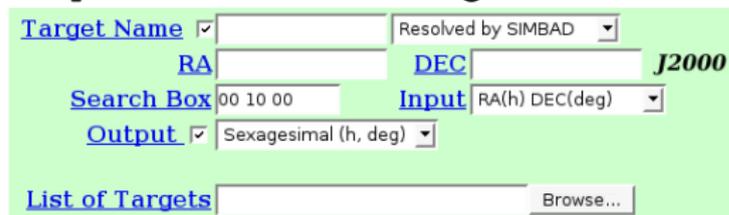
- ▶ 165 images SCIENCE / mois

- ▶ 2000 images SCIENCE / an

- ▶ maxima : 94, 52, 37, 35, 34



<http://archive.eso.org/>



The screenshot shows the search interface of the ESO Archive. It features a light green background with several input fields and dropdown menus. At the top, there is a 'Target Name' field with a checkmark and a 'Resolved by SIMBAD' dropdown. Below this are 'RA' and 'DEC' fields, with 'J2000' indicating the epoch. A 'Search Box' contains the text '00 10 00'. To its right is an 'Input' dropdown menu set to 'RA(h) DEC(deg)'. Below the search box is an 'Output' field with a checkmark and a dropdown menu set to 'Sexagesimal (h, deg)'. At the bottom, there is a 'List of Targets' field and a 'Browse...' button.

- Données brutes (SCIENCE et CALIB)
- Sélection sur le centre du champ

- spectres “science ready”
- valeur ajoutée (identification, photométrie)
- interface web (sélection, visualisation)

- *Équipe GEPI:*

Nom	Fonction	ETP
ROYER Frédéric	PI	0.30
PRUGNIEL Philippe	Management & Dével. VO	0.10
TAJAHMADY Françoise	Suivi de projet	0.20
JÉGOUZO Isabelle	Développement BdD	0.30
PAILLOUS Michèle	Administration système	0.15
TOUPET Pierre	Réduction de données	0.30
Total		1.35

- *Collaborations:*

- ▶ CRAL (Lyon)
- ▶ VO-Paris
- ▶ Obs. de Genève

Prototype

<http://giraffe-archive.obspm.fr/>



- Pleinpot
- Planning:
 - ▶ juin 2004 v0.0
 - ▶ juin 2005 v1.0
 - ▶ fin 2006 v2.0

Search for data products

Target:	<input type="text"/>		
Radius:	<input type="text" value="10"/> [arcmin]		
ProgId:	<input type="text" value="72.B-0345"/> (e.g.)		
<hr/>			
Grating:	SimCal:	Mode:	
<input type="radio"/> High	<input type="radio"/> Yes	<input checked="" type="checkbox"/> Medusa	
<input type="radio"/> Low	<input type="radio"/> No	<input checked="" type="checkbox"/> IFU	
<input checked="" type="radio"/> Any	<input checked="" type="radio"/> Any	<input checked="" type="checkbox"/> Argus	
<hr/>			
		Night:	<input type="text"/> min ... <input type="text"/> max
		ExpTime:	<input type="text"/> ... <input type="text"/> [s]
		Seeing:	<input type="text"/> ... <input type="text"/> ["]
		Airmass:	<input type="text"/> ... <input type="text"/>
		Magnitude:	<input type="text"/> ... <input type="text"/> [mag]
		SNR:	<input type="text"/> ... <input type="text"/>
		Wavelength:	<input type="text"/> ... <input type="text"/> [nm]
		Resolution:	<input type="text"/> ... <input type="text"/>
<hr/>			
<input type="button" value="Reset"/>	<input type="button" value="Submit"/>		
<hr/>			

using [Pleinpot Software](#)

Observation ID	Target name	Target position	ESO Program	Set-up	Exp time	Mode	Sim-Cal	Seeing		Air-mass	Wave
								min	max		
GIRAF_2003-03-02T00:28:12.357	MS0451IFUP1	J045410.9-030056	71.A-0170	LR4	3600	IFU	n	-1	-1	1.16	501.5
GIRAF_2003-03-02T01:31:05.681	MS0451IFUP2	J045410.9-030056	71.A-0170	LR4	3600	IFU	n	-1	-1	1.36	501.5
GIRAF_2003-03-02T02:46:03.615	MS10541stFIFUP1	J105700.0-033816	71.A-0170	LR6	5400	IFU	n	-1	-1	1.28	643.8
GIRAF_2003-03-02T04:36:59.646	MS10542ndFIFUP1	J105659.9-033816	71.A-0170	LR6	5400	IFU	n	-1	-1	1.08	643.8
GIRAF_2003-03-02T06:25:21.703	A1689F1P1	J131130.1-012129	71.A-0170	LR2	3600	MED	n	-1	-1	1.11	396.4
GIRAF_2003-03-02T07:27:24.597	A1689F1P2	J131130.1-012129	71.A-0170	LR2	3600	MED	n	-1	-1	1.09	396.4
GIRAF_2003-03-02T08:34:15.934	A1689F1P3	J131130.1-012129	71.A-0170	LR2	3600	MED	n	-1	-1	1.16	396.4
GIRAF_2003-03-03T00:26:58.260	MS0451IFUP3	J045410.9-030056	71.A-0170	LR4	3600	IFU	n	-1	-1	1.17	501.5
GIRAF_2003-03-03T01:29:40.625	MS0451IFUP4	J045410.9-030056	71.A-0170	LR4	3600	IFU	n	-1	-1	1.37	501.5
GIRAF_2003-03-03T02:44:29.129	MS10541stFIFUP2	J105659.9-033816	71.A-0170	LR6	934	IFU	n	-1	-1	1.27	643.8
GIRAF_2003-03-03T04:52:24.040	MS10541stFIFUP2	J105659.9-033816	71.A-0170	LR6	5400	IFU	n	-1	-1	1.07	643.8
GIRAF_2003-03-03T06:36:10.294	MS10542ndFIFUP2	J105659.9-033816	71.A-0170	LR6	5400	IFU	n	-1	-1	1.18	643.8
GIRAF_2003-03-03T08:34:11.778	A1689F2P1	J131130.1-011929	71.A-0170	LR2	1800	MED	n	-1	-1	1.16	396.4
GIRAF_2003-03-03T09:06:37.279	A1689F2P1	J131130.1-011929	71.A-0170	LR2	1800	MED	n	-1	-1	1.24	396.4
GIRAF_2003-03-04T00:22:28.358	Carinal-1	J064136.7-505758	171.B-0520	LR8	60	MED	n	-1	-1	1.12	820.0

Objects table of the data product : GIRAF.2003-05-24T10:08:57.702

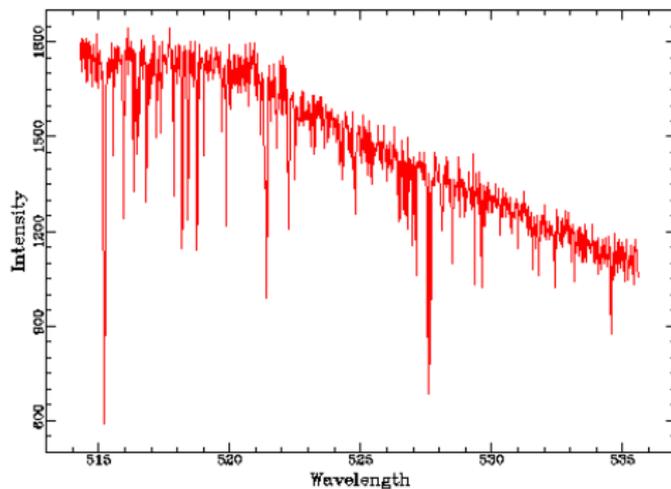
wavelength range [514.3,535.6] nm

resolution 25900

NSPEC	OBJECT	R	THETA	ORIENT	RA	DEC	MAGNITUDE
1	CALSIM	0	0	0	0	0	0
2	SKYPOS-0000053	350261	0.554608	3.66547	265.111	-53.5107	30
3	SKYPOS-0000179	302313	0.665222	3.34264	265.146	-53.5303	30
4	SKYPOS-0000266	352271	0.353748	3.89942	265.056	-53.5208	30
5	N6397-RGB-007618	189558	1.13977	3.16743	265.23	-53.5892	15.06
6	N6397-RGB-007519	170896	0.794947	3.26547	265.177	-53.5926	14.81
7	N6397-RGB-039217	166197	1.23827	2.99259	265.235	-53.6029	15.24
8	N6397-RGB-033870	90740.5	0.374634	3.3753	265.146	-53.635	14.15
9	N6397-RGB-039251	171982	1.27205	3.07888	265.242	-53.6016	14.93
10	N6397-RGB-029631	95475.4	0.238949	3.28906	265.135	-53.6358	15.35
11	N6397-RGB-034060	62122.7	0.875525	3.15816	265.181	-53.6453	14.34
12	N6397-RGB-031329	89636.6	1.4756	3.01696	265.223	-53.6418	15.49
13	N6397-RGB-033990	138752	0.73517	2.91548	265.17	-53.6082	14.51
14	N6397-RGB-034016	224776	1.04882	4.0476	265.224	-53.5702	14
15	SKYPOS-0000237	314670	1.07834	3.76275	265.25	-53.5297	30
16	N6397-RGB-035010	317852	0.986437	3.79228	265.227	-53.5248	14.42
17	N6397-RGB-008476	254203	0.897795	3.89498	265.199	-53.5531	14.66
18	SKYPOS-0000024	381580	0.757258	4.06205	265.167	-53.4913	30
19	N6397-RGB-008762	280227	0.734878	3.88371	265.164	-53.54	15.98
20	N6397-RGB-019890	169252	0.678401	3.8382	265.161	-53.5938	15.95

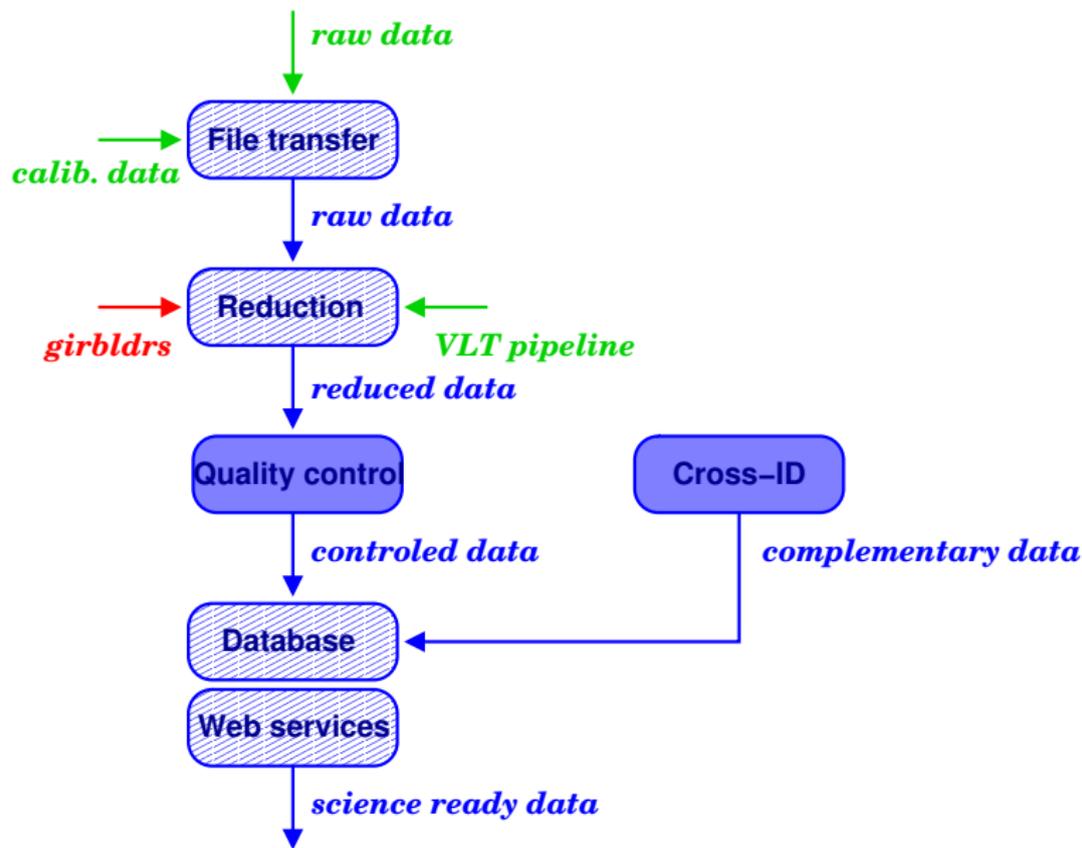
Display the spectrum

File identification and executed pipeline: giraffe:GIRAF.2003-05-24T10:08:57.702&z=ζ



Replot in wavelength range min| [0.1 nm] max| [0.1 nm]

Traitement



- Accord informel (P. Quinn, DMD)
 - ▶ Développement au GEPI
 - ▶ Base de données au GEPI
- Utilisation du pipeline ESO !