

# CorotSky. Observations Schedule Preparation Tool



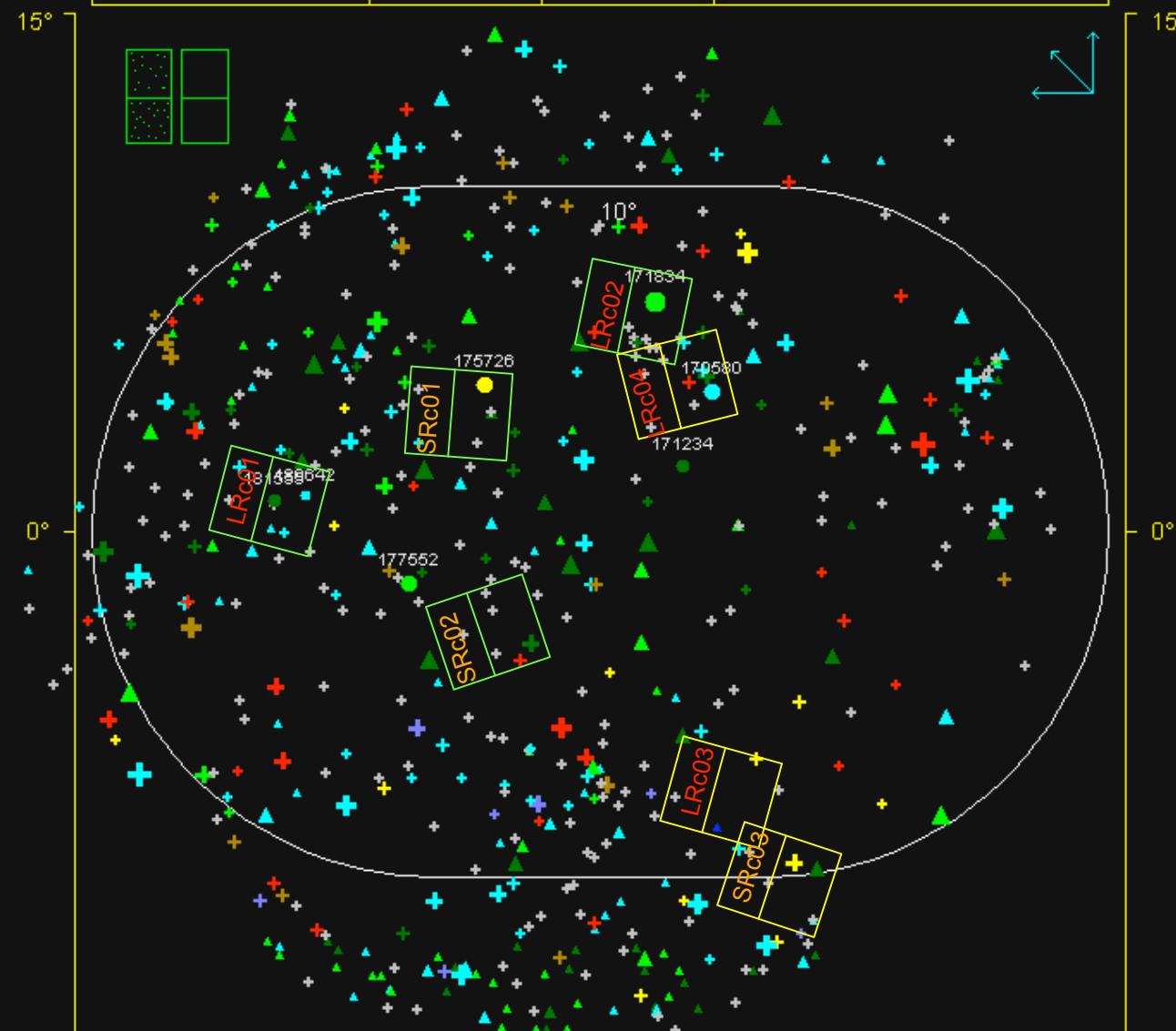
File Edit Observation View CCD Overplots Graphics Astroseismology Planet Search Planner Help



Gr.1 Gr.2 Gr.3  
+ △ ▽



RA: 18:43:08 DEC: 3.24.00 Number of shown targets: 534  
19h42 19h10 18h50 18h30 17h44



## Groups & Operations

( Group 1 AND Group 2 ) AND ( Group 3 AND Group 4 )  
 OR  AND  OR  AND

**Apply**

### Group 1

Type Principal T...

Spectral type	<input type="text"/>	<input type="text"/>
V Magnitude	<input type="text"/>	<input type="text"/>
Color b-v	<input type="text"/>	<input type="text"/>
Metallicity	<input type="text"/>	<input type="text"/>
Vsin <i>i</i>	<input type="text"/>	<input type="text"/>
Temperature	<input type="text"/>	<input type="text"/>

**Show**

**Modify**

### Group 2

Type

Spectral type	<input type="text"/>	<input type="text"/>	<input type="text"/>
V Magnitude	0	-	All
Color b-v	<input type="text"/>	<input type="text"/>	<input type="text"/>
Metallicity	<input type="text"/>	<input type="text"/>	<input type="text"/>
Vsin <i>i</i>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Temperature	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Show**

**Modify**

### Group 3

Type

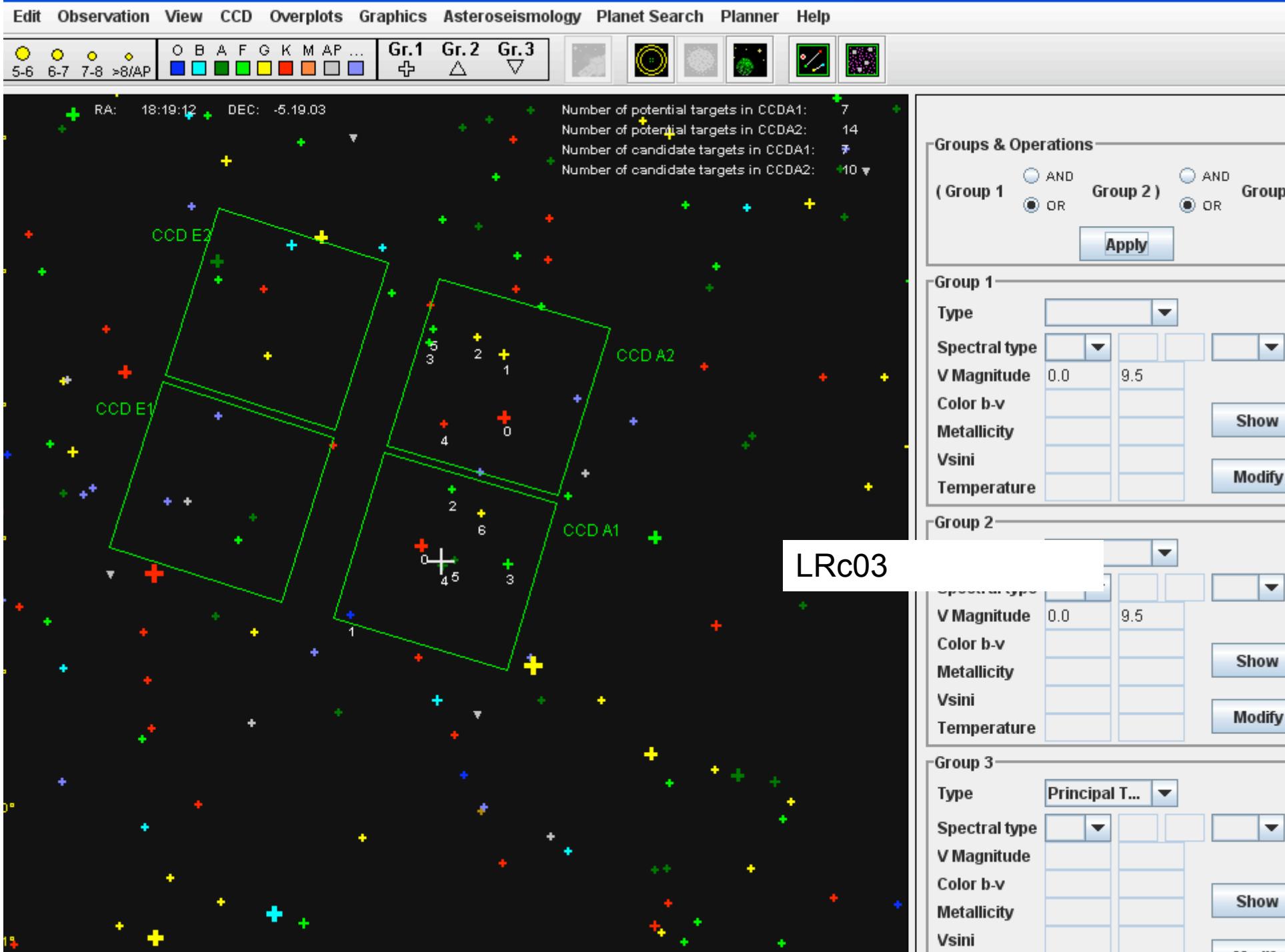
Spectral type	<input type="text"/>	<input type="text"/>	<input type="text"/>
V Magnitude	5.4	-	9.5
Color b-v	<input type="text"/>	<input type="text"/>	<input type="text"/>
Metallicity	<input type="text"/>	<input type="text"/>	<input type="text"/>
Vsin <i>i</i>	0.0	-	60.0

**Show**

User: michele Planner

Block: 1690 SR Version: 0 Status: Draft

06-mars-09 11:19:34



Fichier Édition Affichage Historique Marque-pages Outils ?

[Back](#) [Forward](#) [Stop](#) [Home](#) [http://corotsky.cnes.fr/users/1644\\_4\\_130\\_ast\\_proposal.html](http://corotsky.cnes.fr/users/1644_4_130_ast_proposal.html) [Search](#) [Google](#)
[Hotmail](#) [Personnaliser les liens](#) [Windows Media](#) [Windows](#) [Location île de Ré](#)
[Google](#) corotsky [Rechercher](#) [Mes favoris](#) [PageRank](#) [Orthographe](#) [Traduire](#) [Envoyer à](#) [corotsky](#) [Paramètres](#)

Outil Corotsky

Page de démarrage Mozilla Firefox

CorotSky: Observation Schedule Prep...

Astroseismology Proposal Docu...

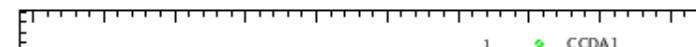
Block: LRc03\_EMAB      Id: 1644.4      Last update: 2009-01-14 13:14:37  
 Catalogue: USNO      User: baglina      Current date: 2009-03-06 17:12:27  
 Creation date: 23/12/2008

CCD A1										
Priority	C Id	Name	m <sub>v</sub>	SpT	M <sub>v</sub>	log(Teff)	Vsin(i)	Parallax	Star type	SCAO
0	9451	HD 169913	6.53	K 0.0	1.54	3.67		10.03		X
1	9514	BD-08 4617	9.36	G 8.5 V	1.75	3.69		1.41		
2	9374	HD 169693	8.15	F 8.0	3.13	3.81				X
3	9672	HD 169332	7.35	F 0.0	2.55	3.81		10.98		X
4	9542	HD 169752	7.58	A 0.0	0.97	3.98		5.71		
5	9551	HD 169650	8.38	A 0.0	2.52	3.91		6.72		
6	9482	HD 169494	9.45	G 0.0	5.5	3.75				
7										
8										
9										



CCD A2										
Priority	C Id	Name	m <sub>v</sub>	SpT	M <sub>v</sub>	log(Teff)	Vsin(i)	Parallax	Star type	SCAO
0	9310	HD 169370	6.31	K 0.0	1.64	3.62		11.62		X
1	9161	ADS 11318 AB	7.2	G 0.0 IV	-0.41	3.74				X
2	9071	HD 169556	9.32	G 5.0	3.6	3.77				
3	8990	HD 169868	9.25	F 2.0	3.09	3.84				
4	9198	HD 169751	8.37	K 2.0	2.9	3.6		8.04		X
5	8967	HD 169823	8.37	F 8.0	3.83	3.78				X
6										
7										
8										
9										

CCD A2



Terminé

Édition Affichage Historique Marque-pages Outils ?

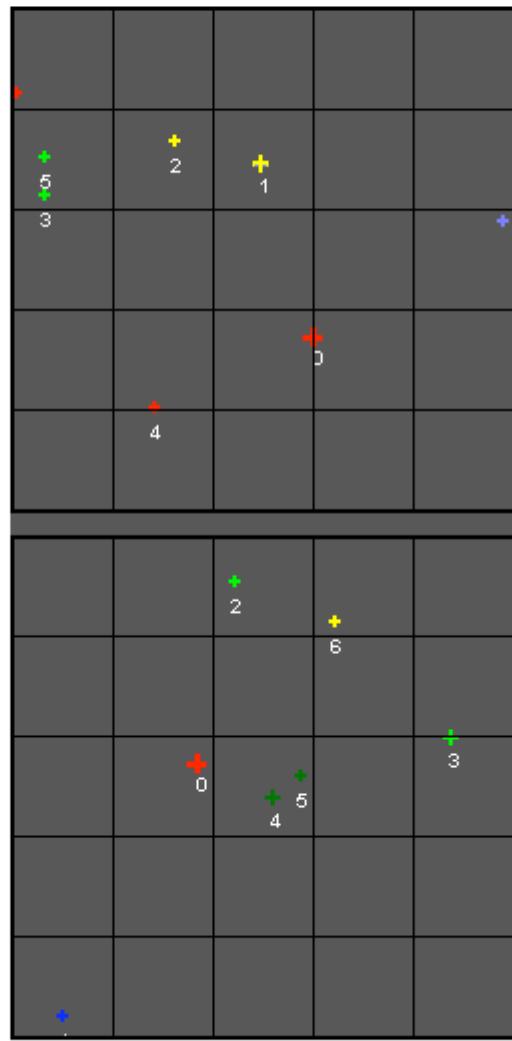
http://corotsky.cnes.fr/users/1644\_4\_130\_ast\_proposal.html

Hotmail Personnaliser les liens Windows Media Windows Location île de Ré

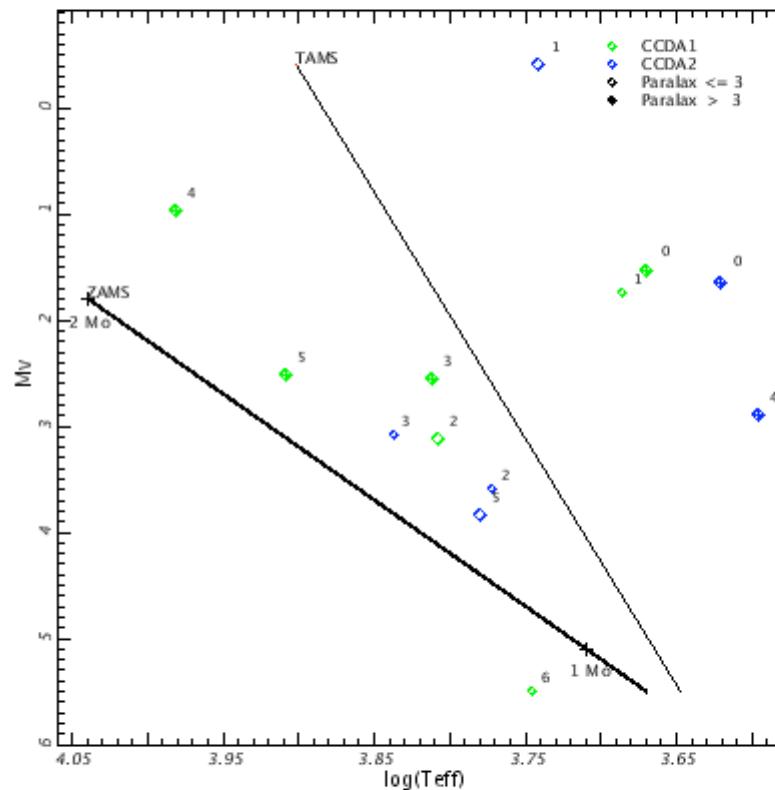
gle corotsky Rechercher Mes favoris PageRank ABC Orthographe à Traduire Envoyer à corotsky Param...

Outil Corotsky

CCD A2



CCD A1



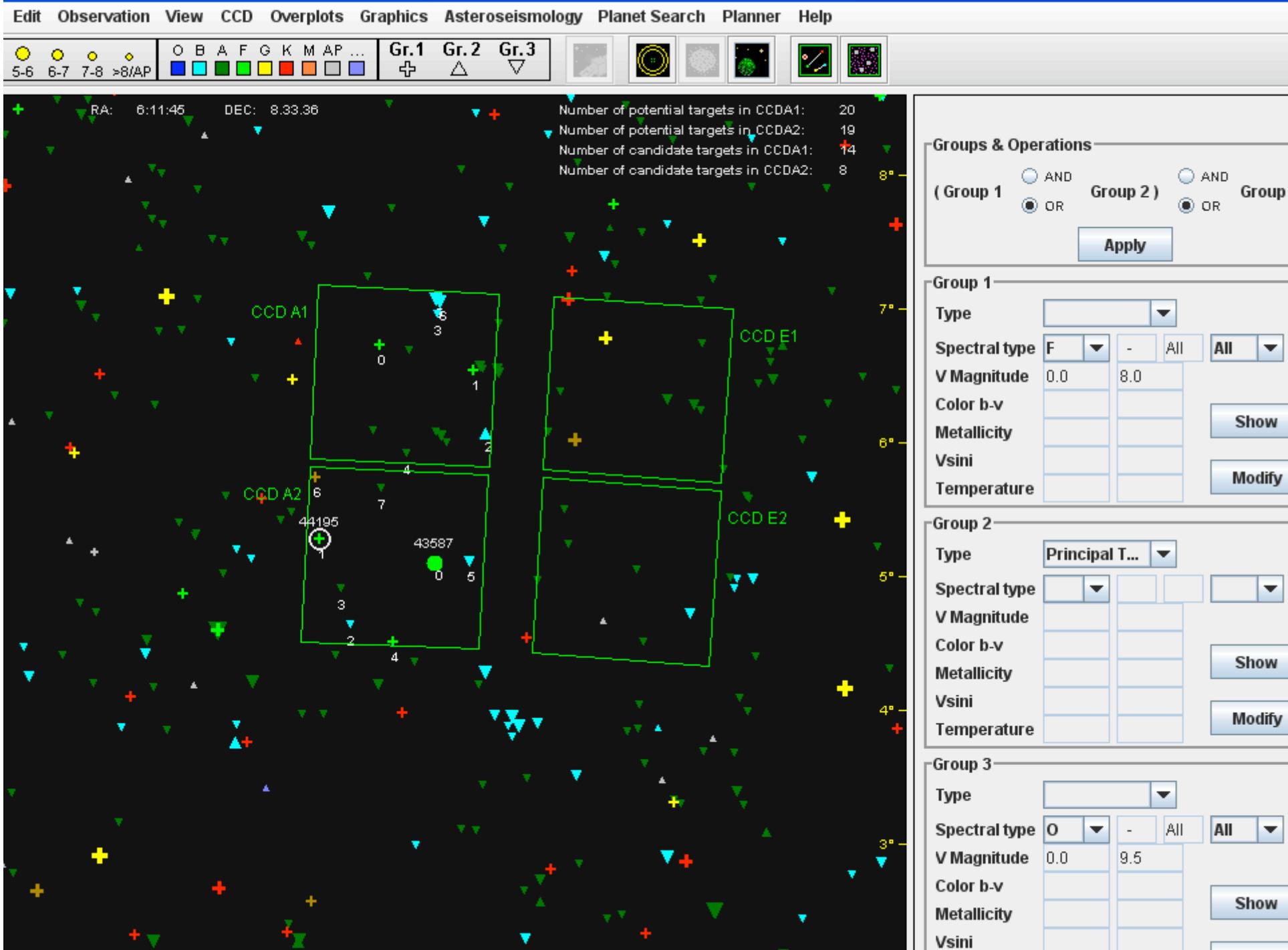
## LRa03

established, containing « nominal » targets for the long runs and some back-ups.

Object	M& evolution status	mv	distance to field centre (deg)	exoplanet criteria	Siso secondary targets
HD52265	~1-1.1Mo ,with planet...	6.3	~6	2100 N 2600 S	?
HD49933 + HD49434	~1.2-1.3Mo ~ early MS Gam Der	5.8 5.7	<2	2200-2770 homogen.	3 Be 2 Ap
HD43587	~1Mo, MS	5.7	9.6 (ok with drift)	2420 N 1260 S	1 δ Sct, 1 Be several F MS
HD170580	Beta Ceph (multiper)	.	6.5	4000 N 2400 S	2 δ Sct NGC 6633
HD171834	~1.3-1.4Mo, late MS	5.4	7.5 (ok with drift)	3300 N 4600 S homogen	1 δ Sct, 1 Be 1 alg bin IC 4756
HD177552	~1.4Mo, earlyMS, Vsini=40km/s	6.5	~4.1	3345 N 6620 S	1 δ Set 1 Hg,Mn, GoV, Ap, eccl bin.
HD181555 HD180642	δ Sc MS ?... Vsini~170km/s Beta Cephei,	8	8 (ok with drift)	4500 N 6200 S	1 δ Sct, 2 Be

in red: complete agreement between the two programmes, in green eventual difficulties

This first selection has to be confirmed by more detailed studies on the secondary targets in seismology and on the local quality for the exoplanet search.

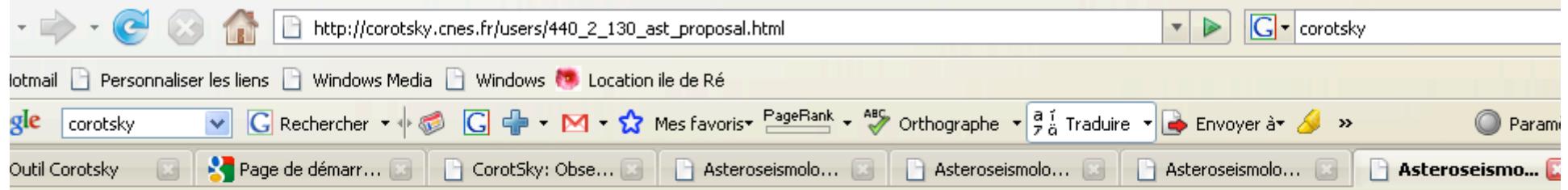


Astroseismology Project - CorotSky											
Astroseismology Project - CorotSky											
Astroseismology Project - CorotSky											
Astroseismology Project - CorotSky											
Astroseismology Project - CorotSky											
Block: reval43587											
Catalogue: Non-specified				User: michele				Last update: 2004-05-11 22:08:50			
				Current date: 2009-03-09 01:23:50				Creation date: 01/01/2005			

CCD A1											
Priority	C Id	Name	$m_v$	Sp.T	$M_v$	log(Teff)	$V\sin(i)$	Parallax	Star type	SCAO	
0	3967	HD 43856	7.96	F 6.0 V	3.45	3.79	7.3	12.55		X	
1	4243	HD 43338	7.63	F 0.0 II	1.39	3.85	162.9	5.35		X	
2	4284	HD 43527	8.39	B 9.0	0.78	4.08				X	
3	3703	HD 43727	9.13	A 2.0	1.91	3.9					
4	4111	HD 43285	6.07	B 6.0 V	-1.34	4.15	240.0	4.39	Be star		
5	4348	HD 43526	6.57	B 7.0 III	-0.81	4.16	79.6	2.65		X	
6											
7											
8											
9											

CCD A2											
Priority	C Id	Name	$m_v$	Sp.T	$M_v$	log(Teff)	$V\sin(i)$	Parallax	Star type	SCAO	
0	3474	HD 43587	5.71	F 9.0 V	4.28	3.77	6.0	51.76	Principal Target		
1	3072	HD 44195	7.56	F 0.0	2.72	3.86	58.3	10.78	Delta Scuti, Gamma Doradus (candidate)	X	
2	2974	HD 44052	8.4	B 8.0	0.44	4.17	4.3				
3	3029	HD 44093	9.25	A 2.0	1.64	3.95					
4	3093	HD 43823	7.38	F 2.0	-5.79	3.8	14.6	0.72			
5	3641	HD 43406	7.16	B 9.0	-1.17	4.07	136.4	2.71			
6	3241	HD 44213	7.98	M 3.0 I	0.37	3.31					
7	3465	HD 43876	9.13	A 0.0	0.79	3.97					
8											
9											

CCD A1



**Acrobat Reader - [candidatesLIST.pdf]**

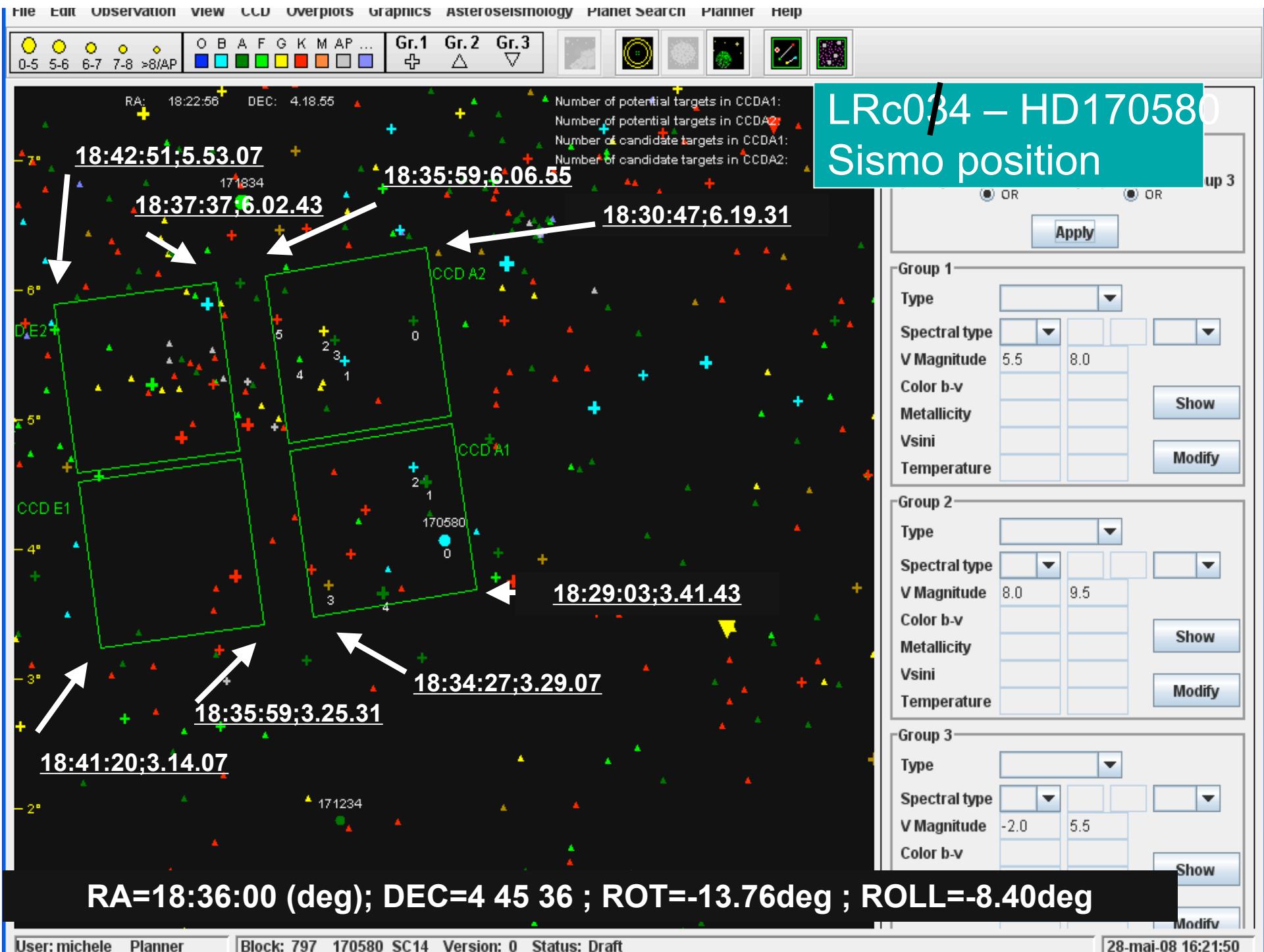
LRc034

This document contains the present list of candidate targets, established, containing « nominal » targets for the long runs and some back-ups.

Object	M& evolution status	mv	distance to field centre (deg)	exoplanet criteria	Siso secondary targets
HD52265	~1-1.1Mo ,with planet...	6.3	~6	2100 N 2600 S	?
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HD177552	~1.4Mo, earlyMS, Vsini=40km/s	6.5	~4.1	3345 N 6620 S	1 δ Set 1 Hg,Mn, GoV, Ap, eccl bin.
HD181555 HD180642	δ Sc MS ?... Vsini~170km/s Beta Cephei,	8	8 (ok with drift)	4500 N 6200 S	1 δ Sct, 2 Be

in red: complete agreement between the two programmes, in green eventual difficulties

This first selection has to be confirmed by more detailed studies on the secondary targets in seismology and on the local quality for the exoplanet search.



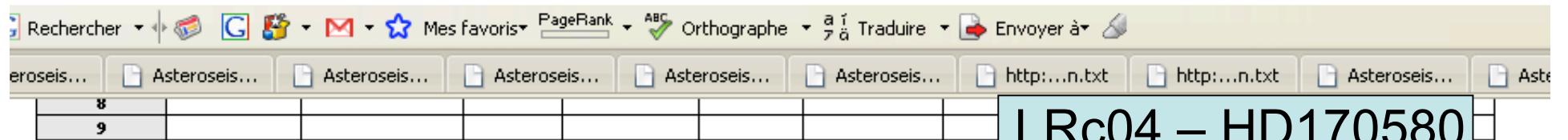
Block: 170580\_SC14  
Catalogue: Non-specified

Id: 797.0  
User: baqlin

Last  
Cur  
Crea

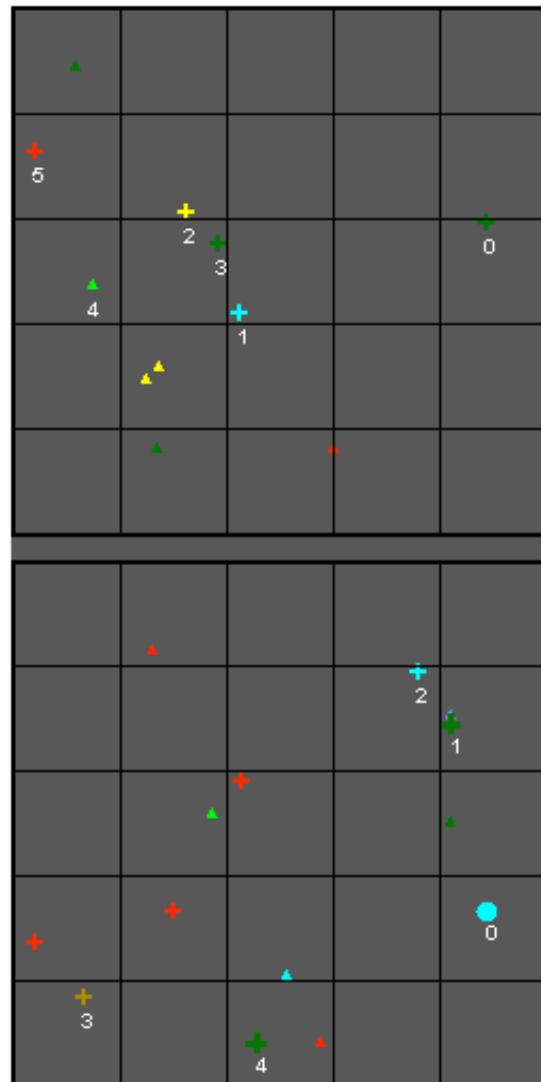
# LRc0 $\beta$ 4– HD170580

## Sismo position

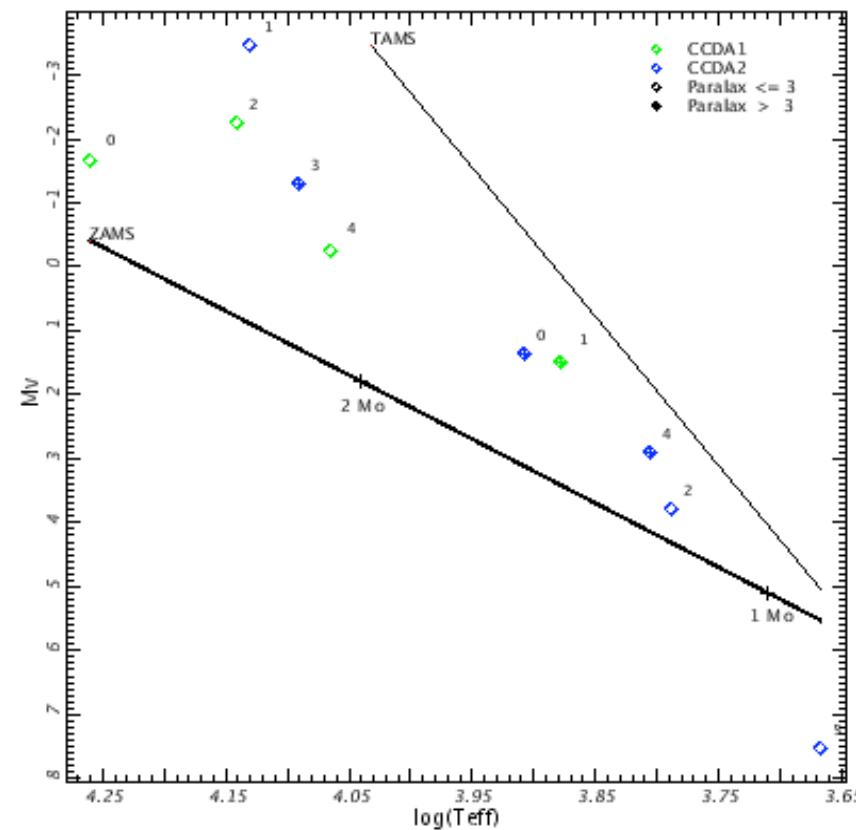


## L Rc04 – HD170580 Sismo position

CCD A2



CCD A1





## **Short runs interest:**

- Increase A/F sample (Duration suited for periods, need to increase sample to disantangle effects Teff, rotation, metallicity,...)
- Try specific and rare objects (less constraints)

Present need: solar-like cand and especially late ones (G...)...

## Solar-like in short runs ?:

HD175726, SRc01, Teff~6100K, mV=6.7 → not much (large sep...)

HD49933, IR01, LRa01, Teff~6750K, mV=5.8 → not much in 3 weeks

HD181420, LRc01, Teff~6650K, mV=6.6 → not much in 3 weeks

Ampl.~ok

HD181906, LRc01, Teff~6400K, mV=7.7 → not much in 3 weeks

damping-time?

HD49385, LRa01, Teff~6100K, mV=7.9 → !!!

Rotation?

...?

CL: Interest for trying  
G stars in short runs

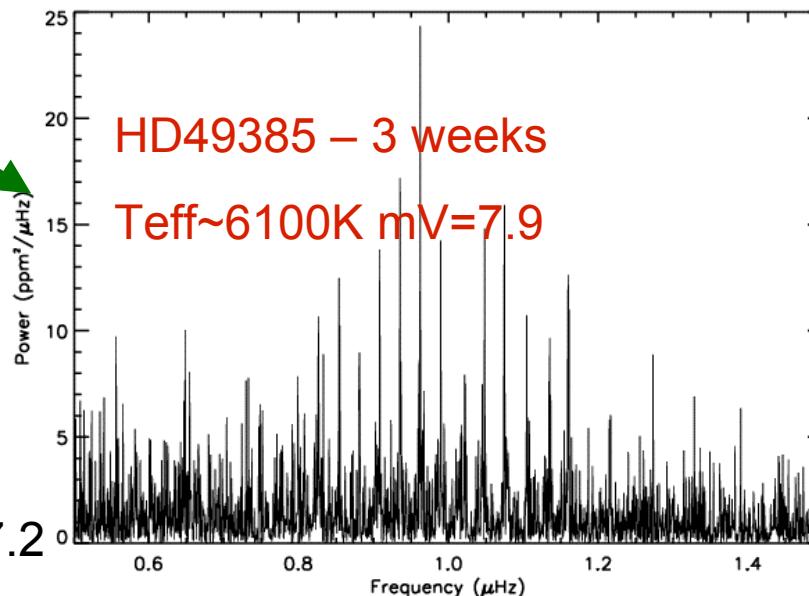
HD52265, LRa02, Teff~6100K, mV6.3

HD46424, SRa02, Teff~5200K, mV=8.1

...to come

ADS11318AB, LRc03, Teff~5500K, mV=7.2

HD43587, LRa03, Teff~5900K, mV=5.7



# CorotSky. Observations Schedule Preparation Tool



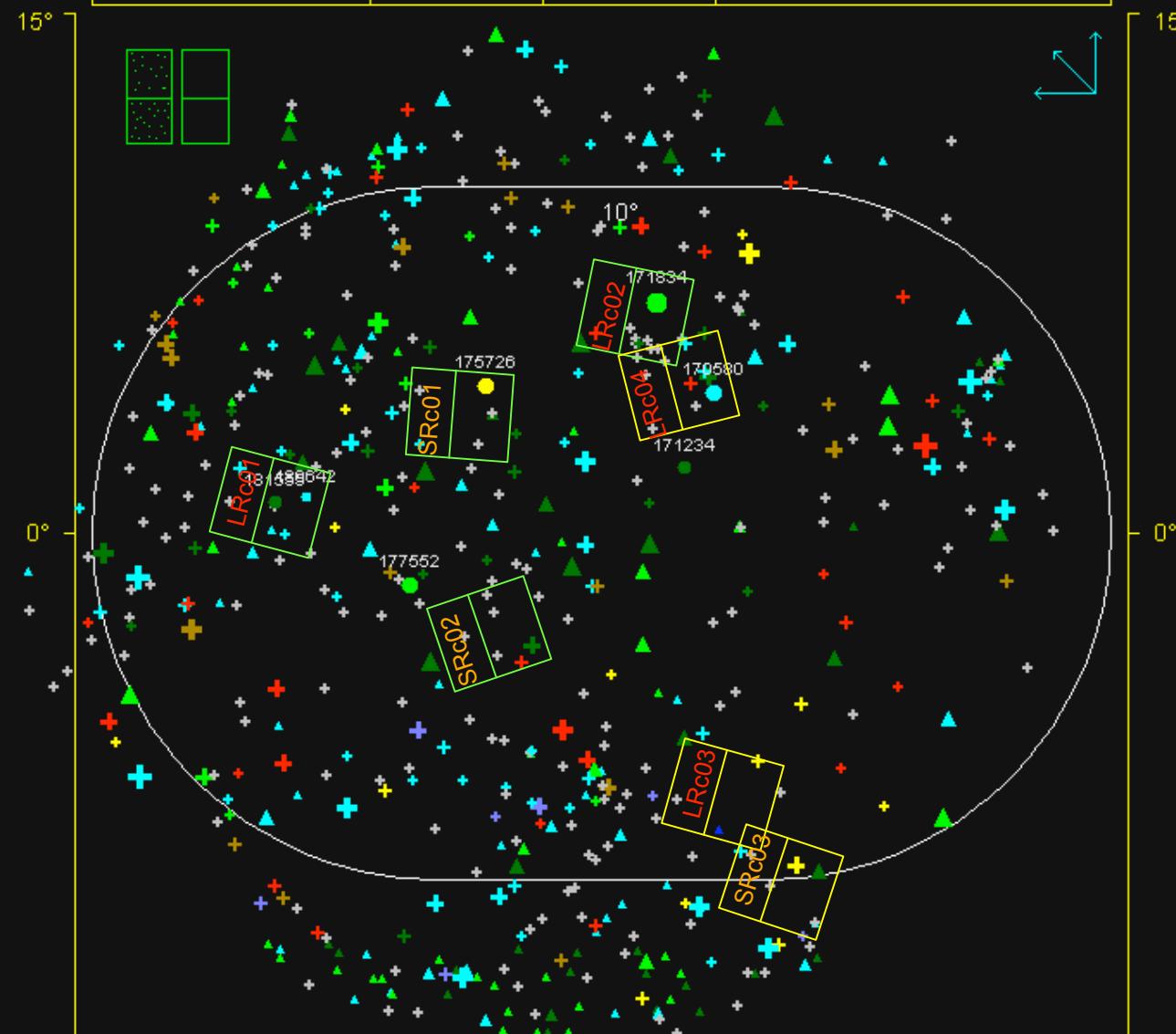
File Edit Observation View CCD Overplots Graphics Astroseismology Planet Search Planner Help



Gr.1 Gr.2 Gr.3  
+ △ ▽



RA: 18:43:08 DEC: 3.24.00 Number of shown targets: 534  
19h42 19h10 18h50 18h30 17h44



## Groups & Operations

( Group 1 AND Group 2 ) AND ( Group 3 AND Group 4 )  
 OR  AND  OR  AND

**Apply**

### Group 1

Type Principal T...

Spectral type	<input type="text"/>	<input type="text"/>
V Magnitude	<input type="text"/>	<input type="text"/>
Color b-v	<input type="text"/>	<input type="text"/>
Metallicity	<input type="text"/>	<input type="text"/>
Vsin <i>i</i>	<input type="text"/>	<input type="text"/>
Temperature	<input type="text"/>	<input type="text"/>

**Show**

**Modify**

### Group 2

Type

Spectral type	<input type="text"/>	<input type="text"/>	All	<input type="text"/>
V Magnitude	5.4	<input type="text"/>	9.5	<input type="text"/>
Color b-v	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Metallicity	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Vsin <i>i</i>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Temperature	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Show**

**Modify**

### Group 3

Type

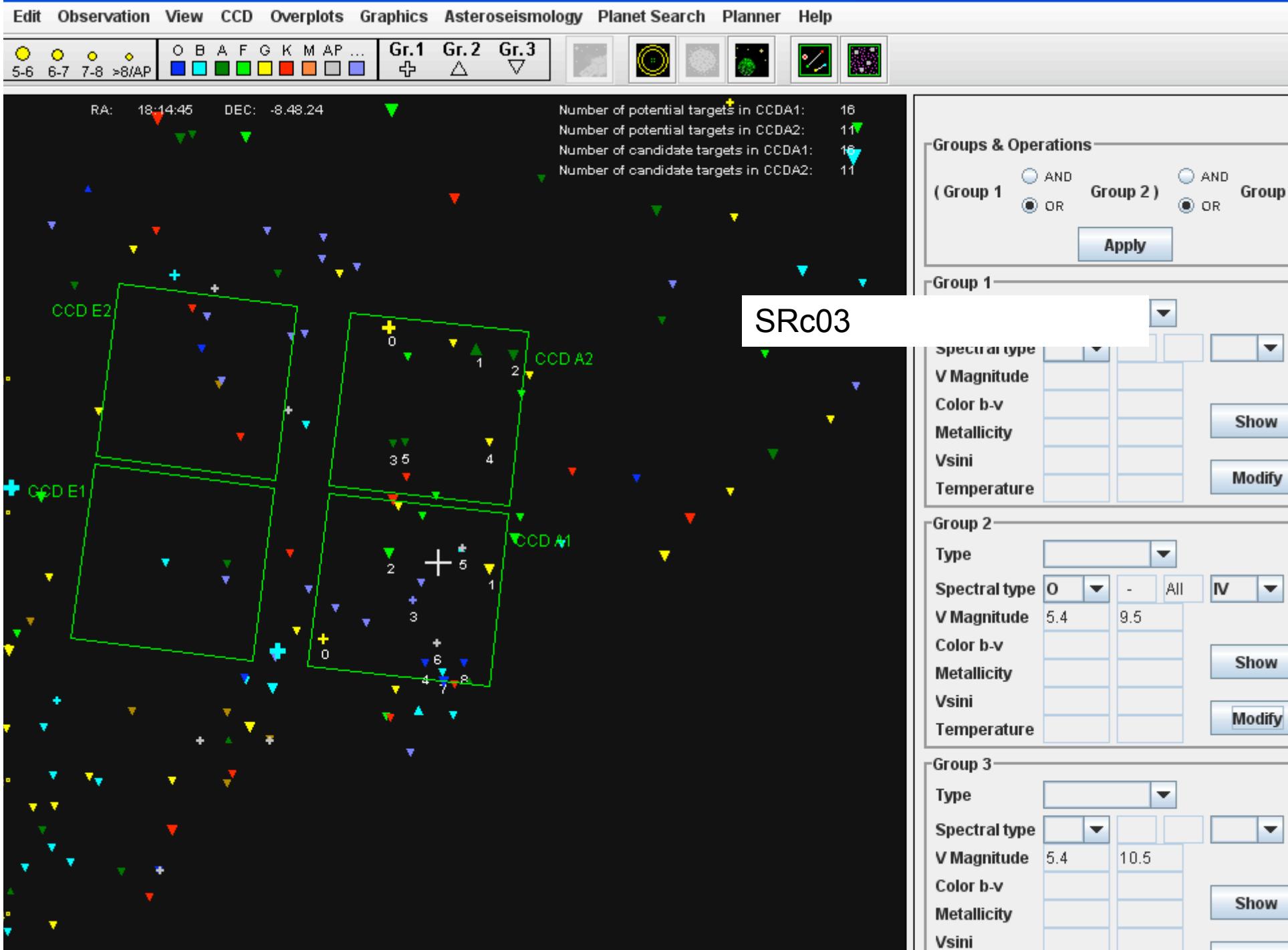
Spectral type	<input type="text"/>	<input type="text"/>	All	<input type="text"/>
V Magnitude	5.4	<input type="text"/>	9.5	<input type="text"/>
Color b-v	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Metallicity	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Vsin <i>i</i>	0.0	<input type="text"/>	60.0	<input type="text"/>

**Show**

User: michele Planner

Block: 1690 SR Version: 0 Status: Draft

06-mars-09 11:19:34



The screenshot shows a web browser window with the following details:

- Menu Bar:** Edition, Affichage, Historique, Marque-pages, Outils, ?
- Toolbar:** Back, Forward, Stop, Home, Refresh, Address Bar (http://corotsky.cnes.fr/users/1690\_1\_130\_ast\_proposal.html), Search (Google), Stop.
- Address Bar:** http://corotsky.cnes.fr/users/1690\_1\_130\_ast\_proposal.html
- Search Bar:** Rechercher (gle) - corotsky
- Toolbar Buttons:** PageRank, Orthographe, Traduire, Envoyer à, etc.
- Page Content:** A table with the following data:

Block: SR	Id: 1690.1	Last update: 2009-03-06 11:20:04
Catalogue: Non-specified	User: michele	Current date: 2009-03-06 15:47:49
		Creation date: 06/03/2009

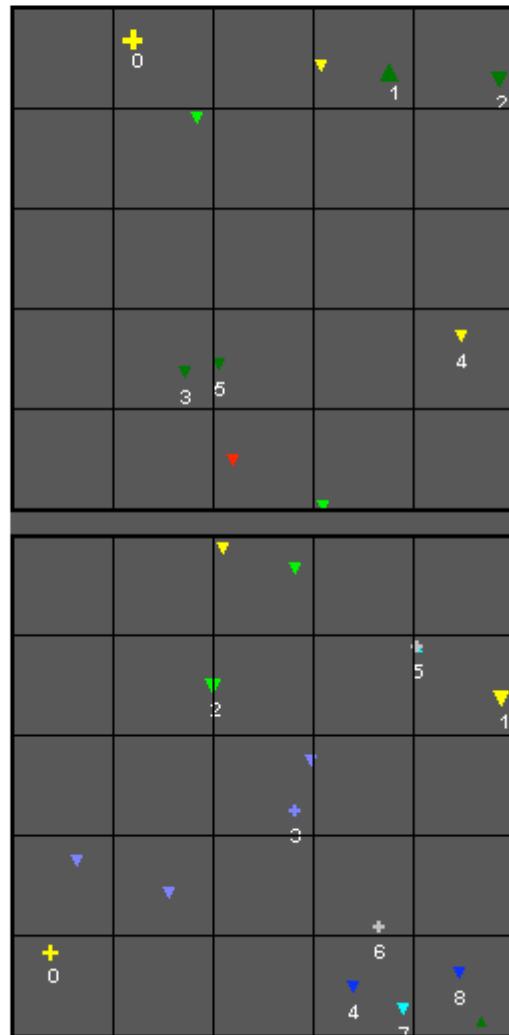
Édition Affichage Historique Marque-pages Outils ?

http://corotsky.cnes.fr/users/1690\_1\_130\_ast\_proposal.html

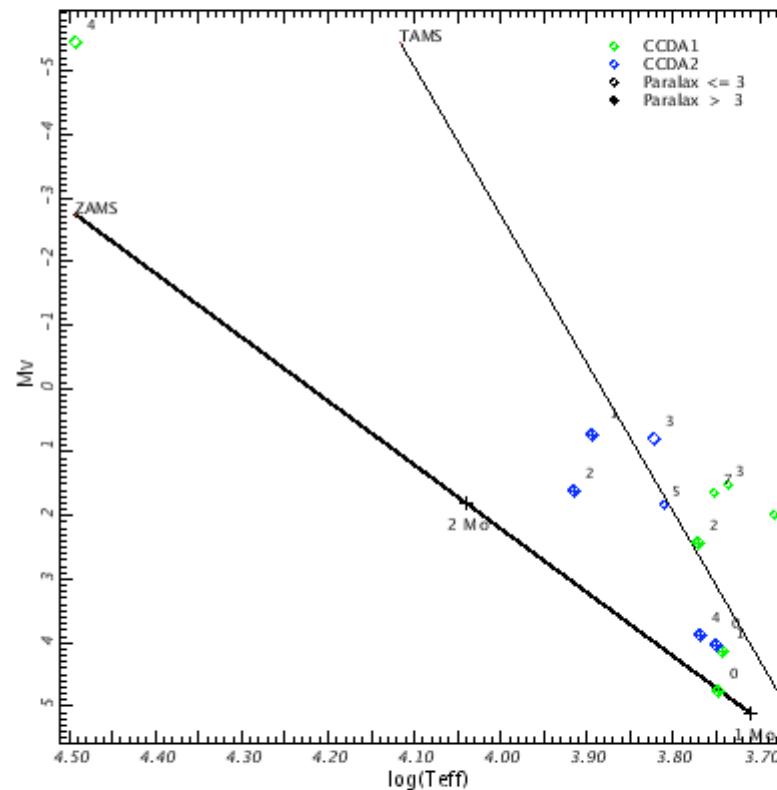
Hotmail Personnaliser les liens Windows Media Windows Location île de Ré

gle corotsky Rechercher Mes favoris PageRank Orthographe Traduire Envoyer à corotsky Param...  
es for ... SIMBAD q... SIMBAD q... SIMBAD q... Notes for ... Chicago J... SIMBAD q... Asteroseis... Asteroseis... Aster... X

CCD A2



CCD A1



# CorotSky. Observations Schedule Preparation Tool



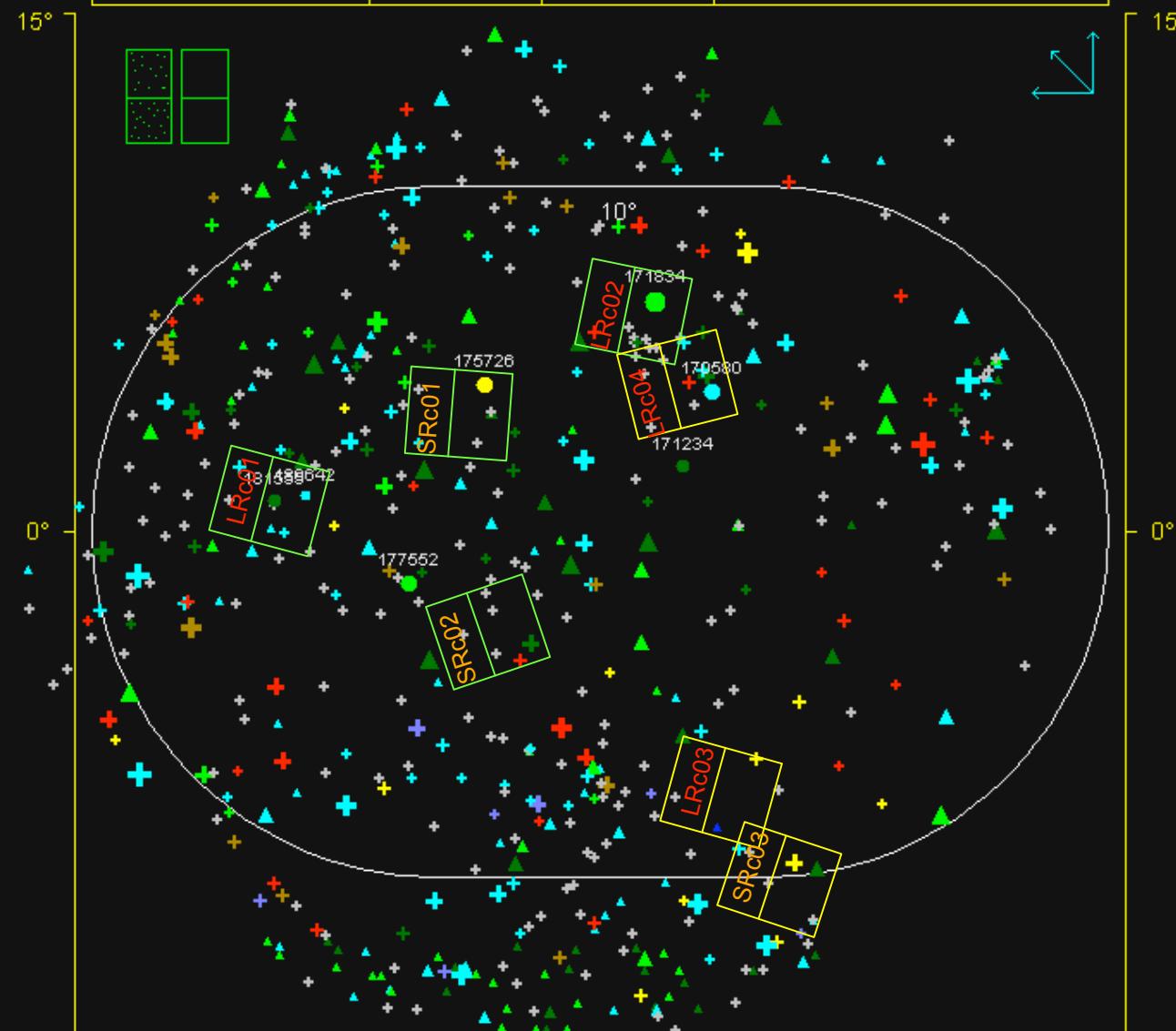
File Edit Observation View CCD Overplots Graphics Astroseismology Planet Search Planner Help



Gr.1 Gr.2 Gr.3  
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**Apply**

### Group 1

Type Principal T...

Spectral type	<input type="text"/>	<input type="text"/>
V Magnitude	<input type="text"/>	<input type="text"/>
Color b-v	<input type="text"/>	<input type="text"/>
Metallicity	<input type="text"/>	<input type="text"/>
Vsin <i>i</i>	<input type="text"/>	<input type="text"/>
Temperature	<input type="text"/>	<input type="text"/>

**Show**

**Modify**

### Group 2

Type

Spectral type	<input type="text"/>	<input type="text"/>	<input type="text"/>
V Magnitude	0	-	All
Color b-v	<input type="text"/>	<input type="text"/>	<input type="text"/>
Metallicity	<input type="text"/>	<input type="text"/>	<input type="text"/>
Vsin <i>i</i>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Temperature	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Show**

**Modify**

### Group 3

Type

Spectral type	<input type="text"/>	<input type="text"/>	<input type="text"/>
V Magnitude	5.4	-	9.5
Color b-v	<input type="text"/>	<input type="text"/>	<input type="text"/>
Metallicity	<input type="text"/>	<input type="text"/>	<input type="text"/>
Vsin <i>i</i>	0.0	-	60.0

**Show**

User: michele Planner

Block: 1690 SR Version: 0 Status: Draft

06-mars-09 11:19:34