Exoplanet Data Base in CoRoTSky

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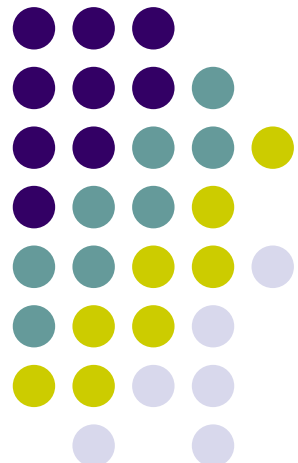


From Sky to CoRoTSky: a long process …

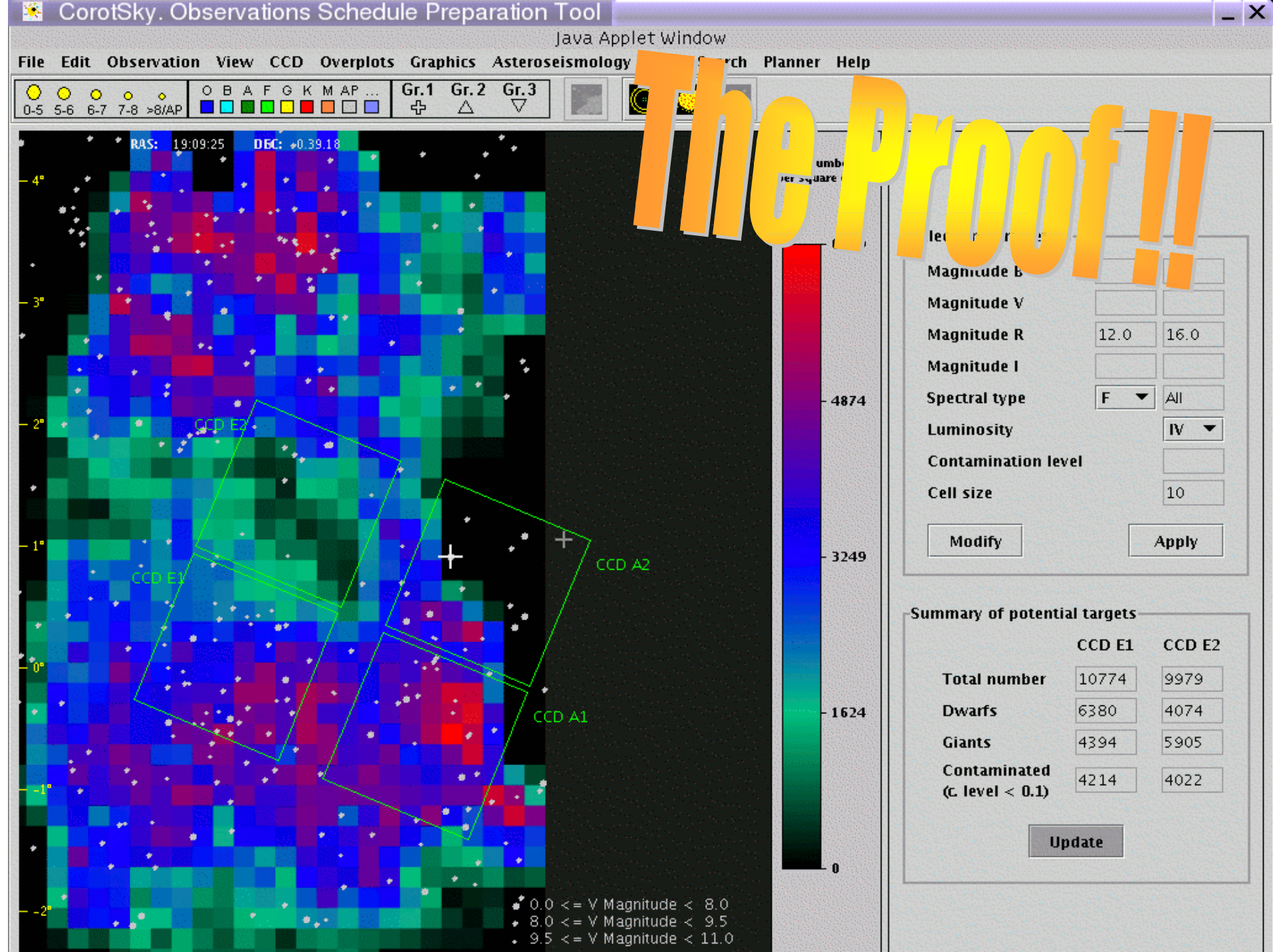
- Observations …
- Data reduction - Hans is making the catalogue
- Data travel from IAC/Canaries to LAM/Marseille - J.C. Meunier :
  - ✓ Implementation in ExoDat --> CoRoT_id
  - ✓ Computation of the contamination
  - ✓ Estimate of the spectral Classification
- Data travel from LAM to OMP/Toulouse
- Data travel from OMP/Toulouse to GMV/Madrid
- Data travel from GMV/Madrid to CoRoTSky in CNES/Toulouse

The Status

- Ground-Based Observations (BVRi) :
  - Bad weather conditions on January : incomplete coverage of the HD52555 field
  - 5 nights next month for center direction observations
- EXODAT :
  - Spectral classification : OK
  - Calculation of the contamination - long process : OK
  - Update of the Data Base Design : new CoRoT_ID

  ⇨ Release of the re-processed data to CoRoTSky
- CoRoTSky
  - HD 49434 & HD 49933
  - HD 181555

  } Data for the first two fields are in CoRoTSky


CorotSky. Observations Schedule Preparation Tool
Java Applet Window
File Edit Observation View CCD Overplots Graphics Asteroseismology Planner Help
0-5 5-6 6-7 7-8 >8/AP
O B A F G K M AP ...
Gr.1 Gr.2 Gr.3
RAS: 19:09:25 DEC: +0.39.18
CCD E2
CCD E1
CCD A2
CCD A1
4874
3249
1624
0
Magnitude B
Magnitude V
Magnitude R 12.0 16.0
Magnitude I
Spectral type F All
Luminosity IV
Contamination level
Cell size 10
Modify
Apply
Summary of potential targets
CCD E1 CCD E2
Total number 10774 9979
Dwarfs 6380 4074
Giants 4394 5905
Contaminated (c. level < 0.1) 4214 4022
Update
0.0 <= V Magnitude < 8.0
8.0 <= V Magnitude < 9.5
9.5 <= V Magnitude < 11.0
The Proof!!

Tomorrow … & Future

- Release of all the exo-data in ExoDat to CoRotSky : in two weeks

  ⇨ 700 000 stars R < 16

- Cross-correlation with USNO-A2 - in ExoDat
- Information on the stars from additional programs
- Final update of the photometric ground-based observations
  - Center fields : winter 2005
  - Anti-center fields : summer 2006