# CEST meeting - in brief

• re-analysis of all runs - possibility to perform this analysis on pre filtered LC (SG : wavelet filter)

• LAM team has developed a blend analysis tool similar to *blender* but based on a proper bayesian approach. Takes into account RV measurements and imaging data

• C-7 new observations (LC & RV) : analysis on going. Star was less active on winter 2011. Transit depth smaller, origin not well understood. Results will be presented at the CW

• HD 179079 : no planet with Rp down to less than $2R_\oplus$ detected

• ExoDat : update of the data base with PPMXL used as the reference catalog + update of the spectral classification & contamination. Goal : a single catalog to prepare the observations.
Difficulty : make sure all the targets are included in this catalog and well identified
New user interface

New planets - publication on going

- papers in refereeing process :
  - C22 : should be updated and re-submitted with the last
  - C24 : new HIRES RV measurements to be included + blend analysis
  - C25 & C26, two Saturn-size planets : close to submission

- 6 new planets :
  - C27b HP : M=10MJup P=3.5d
  - C28b,29b JC: M =0.5 MJ, P=5.2d & M=0.9MJ, P2.8d
  - C30b,31b PB : M=1.1Mjup , P= 4.6d & M=2.9Mjup P=9.0d   e=0.18
  - C32 : a Jupiter like planet orbiting a hot star - confirmed thanks to RM

CoRoT exoplanets
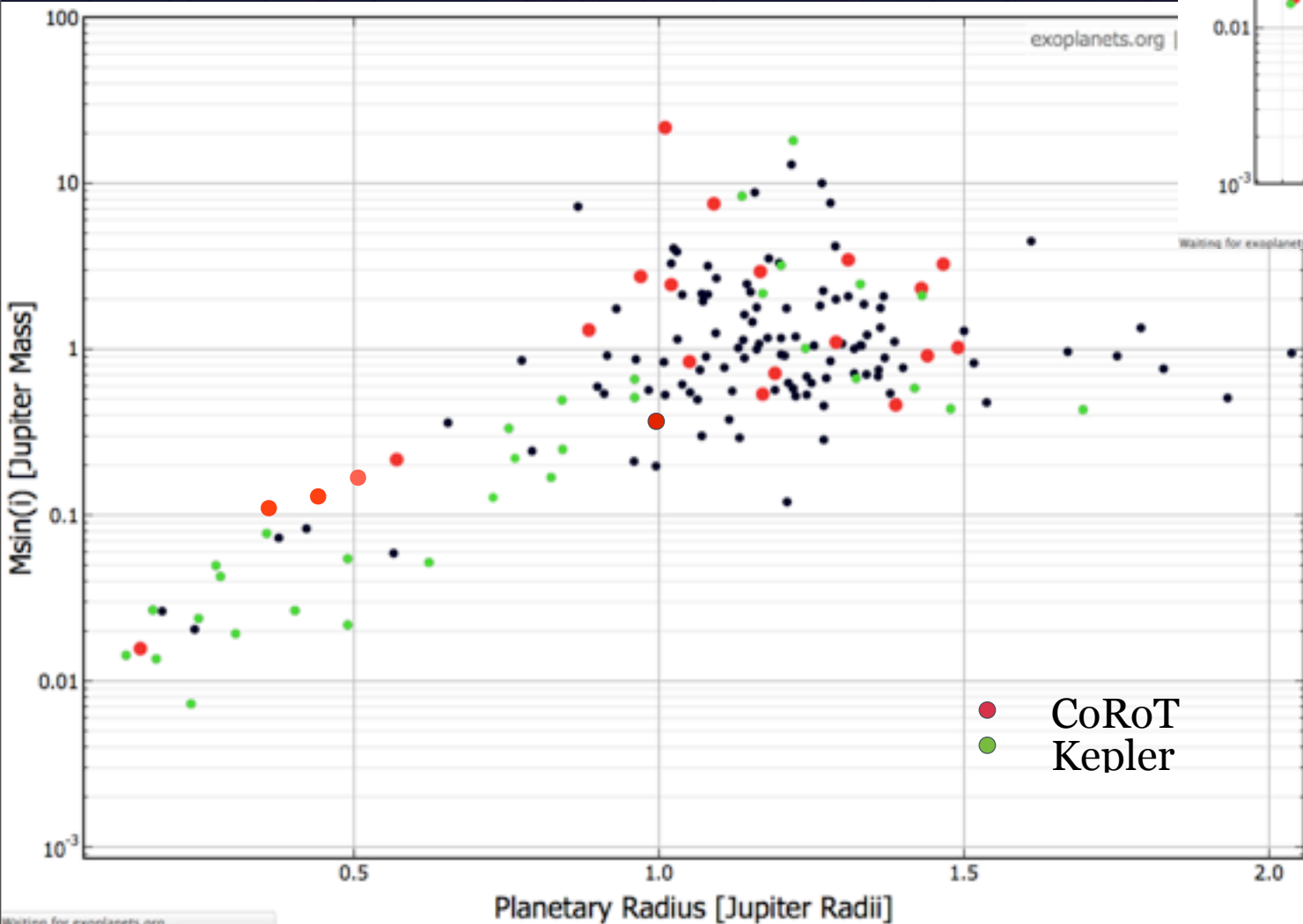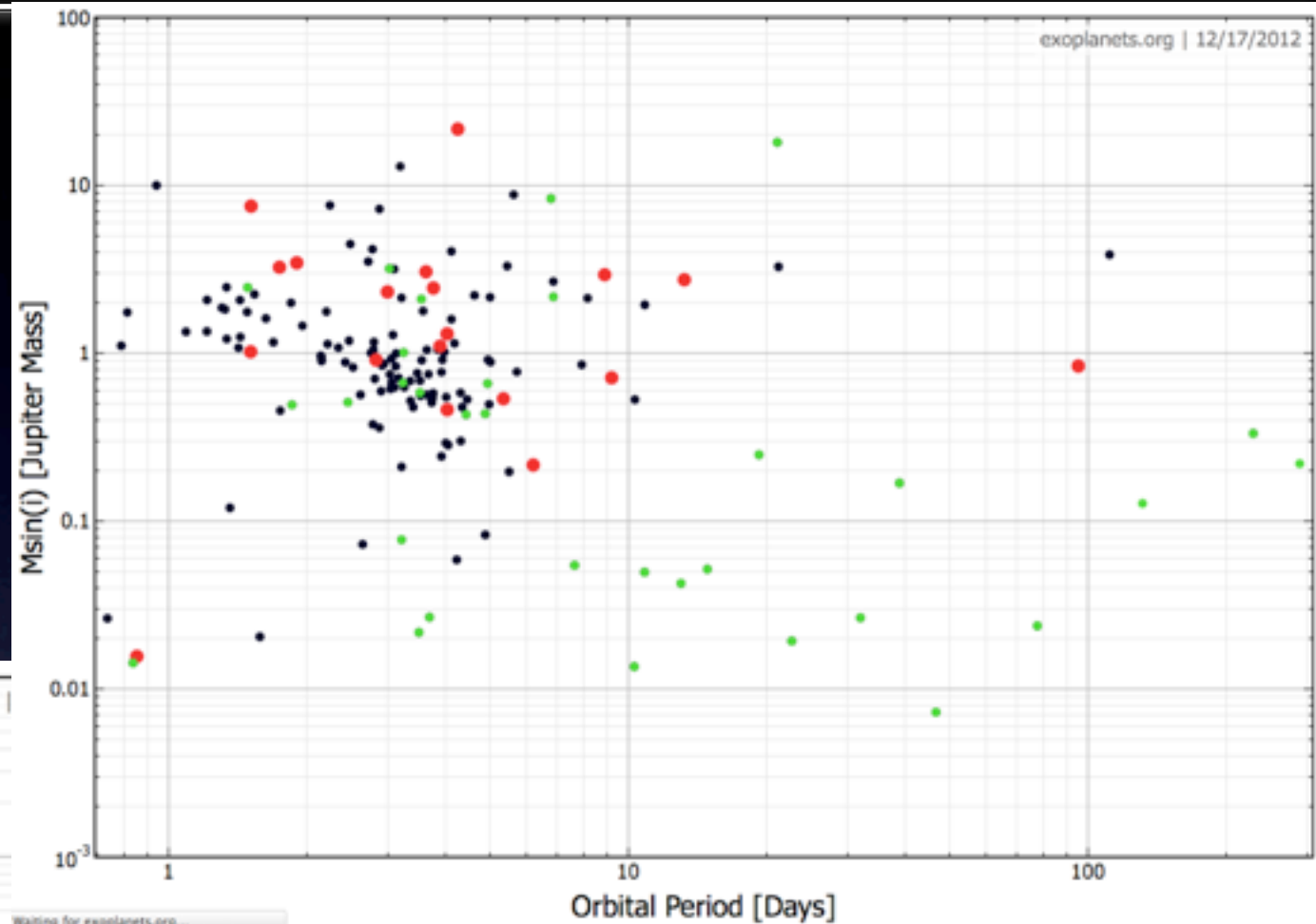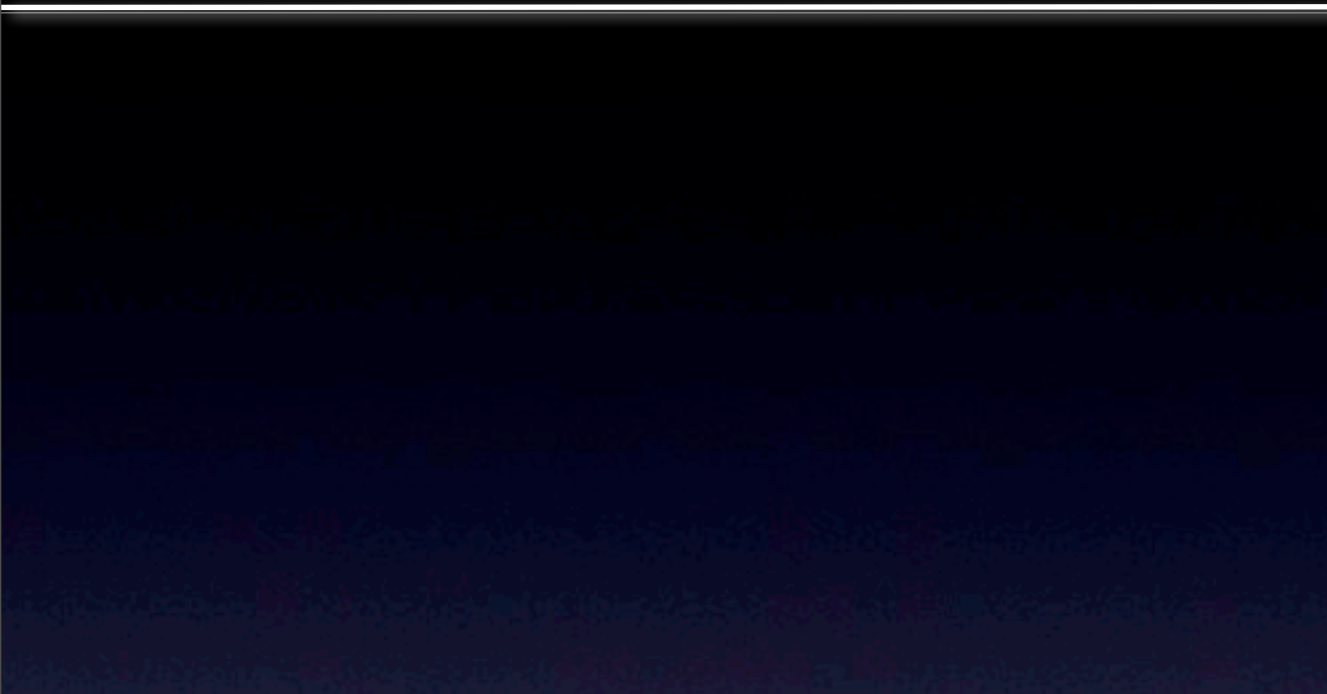
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- Paper on candidates : homogeneous re-analysis of all candidates. Runs :
IRa01 to LRc08 (ends sept 2011) + FUp results. EB + planet candidates
 make use of an updated spectral classification + a system of flags to assess
a planet likelihood for the candidates
3440 transit-like signals in the 19th first runs (false detections excluded)
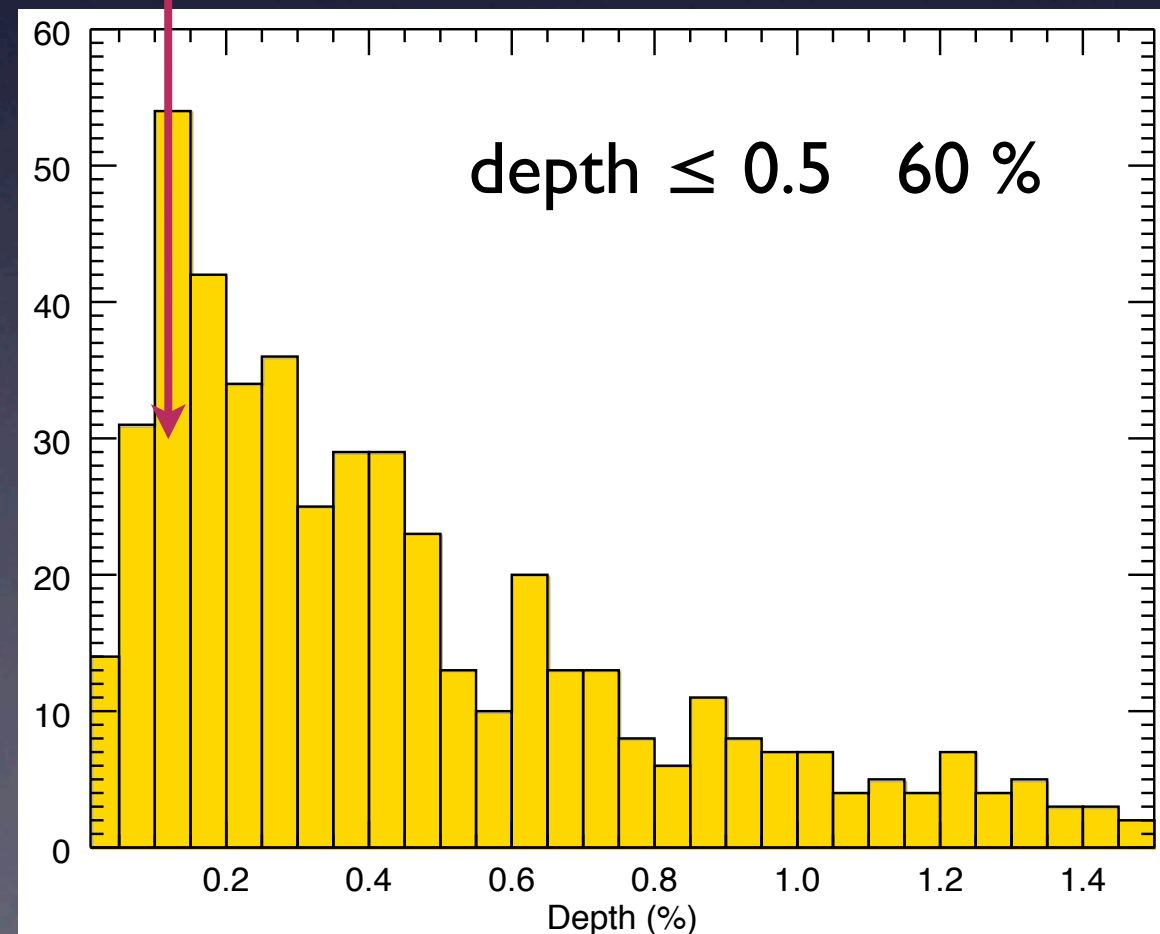
Candidates properties

523 candidates

2.2 days

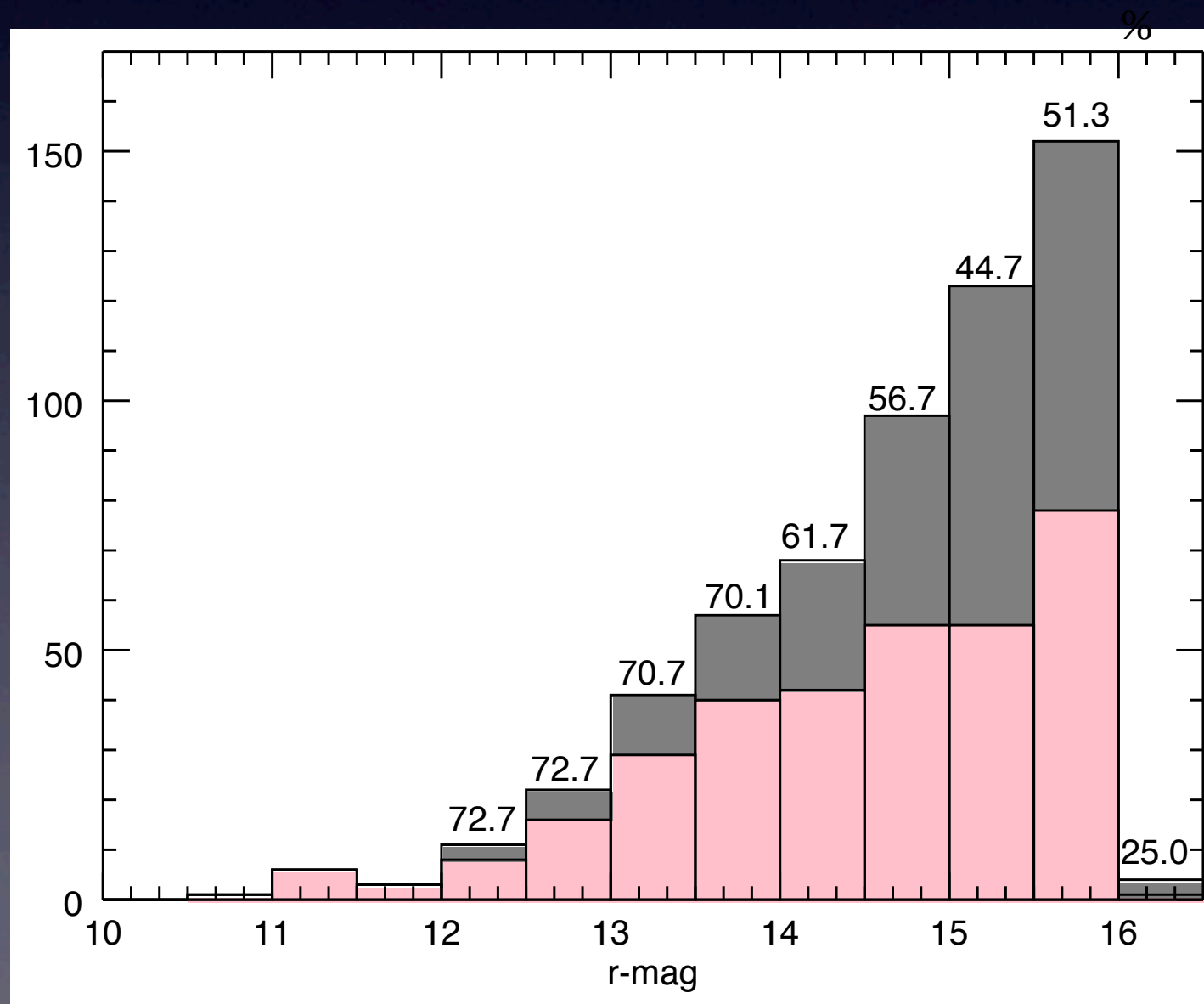P ≤ 10 d   75 %

0.125 %

depth ≤ 0.5   60 %
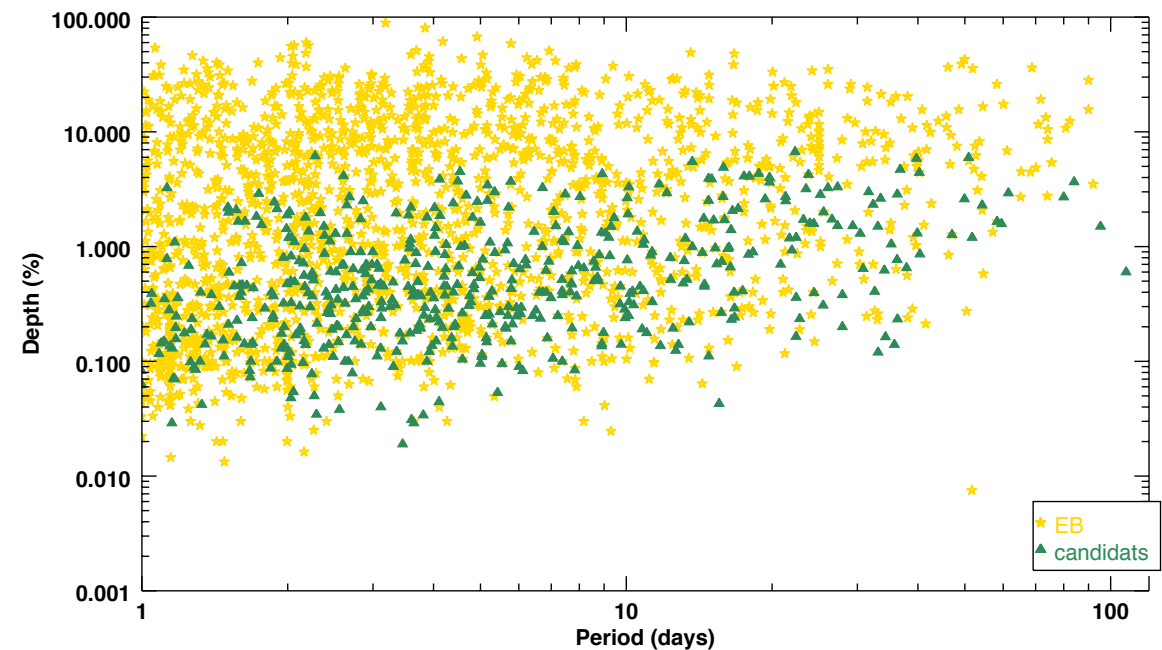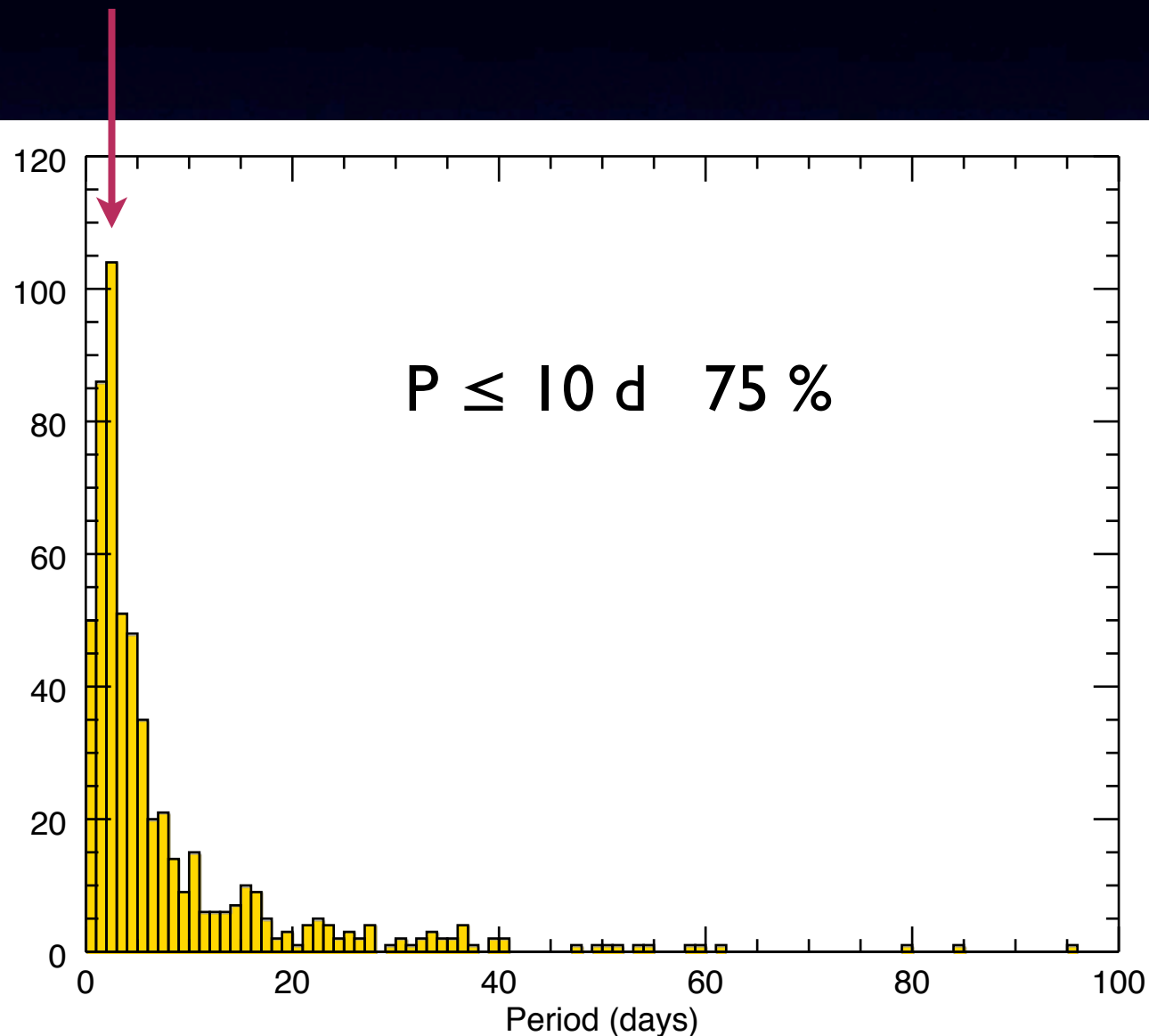
Follow-up observations

64 % of the candidates observed by ground-based facilities (334)
72% in the anti-center and 58 % in the center fields
LRc06 : 25% of the candidates followed up, 95% in the LRa02
➙ numbers to be updated with the latest results from FUp observations

Comparison with results from follow-up observations

➡ a few runs are missing : SRa03 & LRc08

➡ promising for FUp observation strategy

➡ conservative approach : candidates with number of flag ≤ 1
FP : 86 %
10 to 15 planets expected among unresolved but maybe out of reach with the current facilities