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TESS Planet Detection Simulation Yield Report

Until the next header, data are from POSTAGE STAMPS and MIXED PS-pFFIs
(i.e. psPriNotExt, psPriPffiExt, notPriPsExt, psPriPsExt, pffiPriPsExt)
2016-07-11 09:48:37.906854

Data file (stored in logs): 160708_pm0_shemi_nhemi_shemiAvoid_t20-ext.fits
Run type (Burt|Mess|Astseis(2)|Sullivan(10/100)|none: [b/m/a2/s10/s100/n]): ed
Saved catalog? n
SNR threshold throughout: 7.3
Number of trials: 20.0
possible TODO: show binary statistics, multiplanet counts (e.g., as tables?)

Comments:
160708


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TESS Planet Detection Simulation Yield Report
This report gives stats on the DIFFERENCES between a primary and ext mission.

Until the next header, all data are from things observed as PSEUDO-FFIS ONLY
(i.e. pffiPriNotExt, notPriPffiExt, pffiPriPffiExt)
2016-07-11 09:49:18.819657

Data file (stored in logs): 160708_pm0_shemi_nhemi_shemiAvoid_t20-ext.fits
Run type (Burt|Mess|Astseis(2)|Sullivan(10/100)|none: [b/m/a2/s10/s100/n]): ed
Saved catalog? n
SNR threshold throughout: 7.3
Number of trials: 20.0
possible TODO: show binary statistics, multiplanet counts (e.g., as tables?)

Comments:
160708


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Planet yield (primary mission)

Bar chart comparing average number of planets detected per trial, per bin for Full frame images* (blue) and Postage stamps (red) across four categories: Earths, Super-Earths, Sub-Neptunes, and Giants. Y-axis is logarithmic from 10^0 to 10^4.

Figure showing the distribution of detections on an Aitoff projection in ecliptic coordinates. Axes labeled "Ecliptic latitude" (vertical) and "Ecliptic longitude" (horizontal). Latitude gridlines at 75°, 60°, 45°, 30°, 15°, 0°, −15°, −30°, −45°, −60°, −75°. Longitude gridlines at 150°, 120°, 90°, 60°, 30°, 0°, 330°, 300°, 270°, 240°, 210°.

Legend:
- Detected in primary (FFI)
- Detected in primary (PS)
- New from extended (FFI)
- New from extended (PS)