SARA March 2013 CAPS Talk

These are the slides presented to the National Academies Space Studies Board, Committee on Astrobiology and Planetary Science in Early March 2013 in Washington D.C.
Selection Rates: Caveats and Factors

- Years on X axis of plots are "ROSES" years, funds come one year later e.g., ROSES 2010 = Fiscal 2011.
- Even the ROSES 2011 data is not quite yet done, the LASER program data is missing
- Given a fixed budget for R&A one would expect:
  - an increase in the number of proposals to cause a decrease in selection rate
  - an increase in award size to cause a decrease in selection rate
- Award size and # of proposals appear in plots below
- Award duration can also be a (more complicated) factor at certain times.
PSD Win % and # Props Submitted

- # of Proposals submitted
- Overall % Win Rate

% selected vs. ROSES Year (= Calendar -1)

2007: 1142
2008: 1246
2009: 1435
2011: 1310

* I don't have data for the LASER program in ROSES 2011
Average award size is the average size of the first year of the new awards (only).

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Planetary Geology Summary

% selected, # of props submitted & award in $K

ROSES Year (add 1 for FY)
Planetary Atmospheres Summary

![Graph showing the selection rate, award size, and number of proposals from 2003 to 2012. The graph indicates a trend of decreasing selection rate and increasing award size, with a question mark suggesting a potential delay of about 20% later.](image-url)
Planetary Astronomy Summary

% selected, # of props submitted & award in $ K

Selection Rate
Award Size
# Props

~20% later

ROSES Year (add 1 for FY)
Mars Data Analysis Summary

% selected, # of props submitted & award in $K

ROSES Year (add 1 for FY)
Moon and Mars Analog Mission Activities

% selected, # of props submitted & award in $K

ROSES Year (add 1 for FY)
Near Earth Object Observations

% selected, # of props submitted & award in $10 K

- % Selected
- Award size/10
- # Props

ROSES Year (add 1 for FY)
Planetary Protection Research

% selected, # of props submitted & award in $K

- % Selected
- Award Size/2
- # Props

ROSES Year (add 1 for FY)
* For this chart only award size Yr1 is/10 e.g., the average first year of awards in response to ROSES 2012 was not $23 K it was $230 K.
OSS Summary Chart

ROSES Year (add 1 for FY)

~20% Later?
Thank you

• Again, lots of data at http://sara.nasa.gov
• Poster at LPSC with more data points
• PSD makes a lot of data available e.g., via the SARA web page
• Send questions about the SMD R&A program to SARA@nasa.gov
Overall SMD Win Rates vs. ROSES Year by Org

% Win Rate

2007 2008 2009 2010

ROSES Year (= Calendar -1)

Total Win Rate
Center Win Rate
Non-Center Win Rate