Heliophysics R&A Update

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Heliophysics R&A Lead

for the
Heliophysics Division R&A Team

Outline

- Funding Trends
- ROSES13-15 Step-1 Enc./Disc. Process
- ROSES16 Plans and Changes

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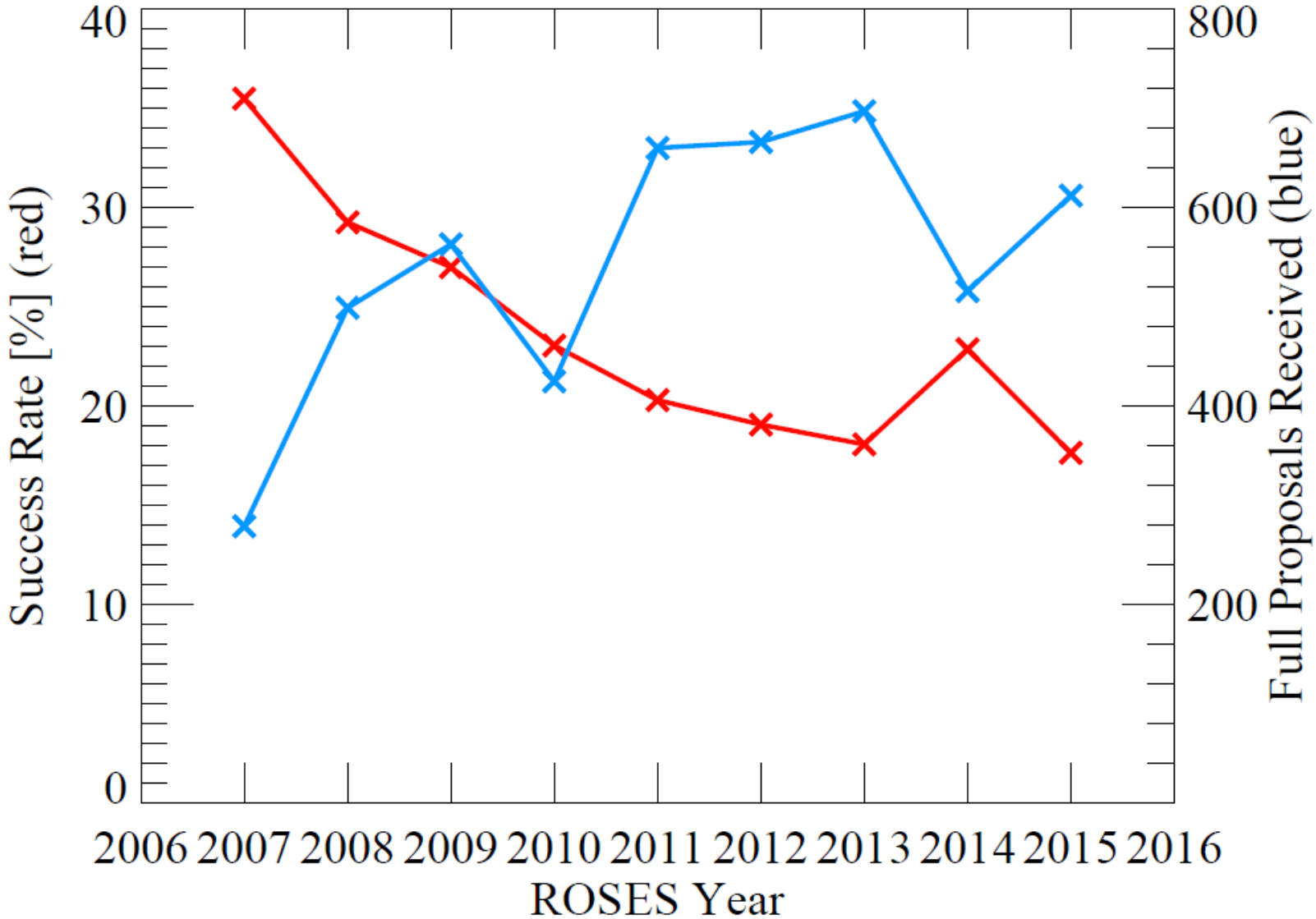
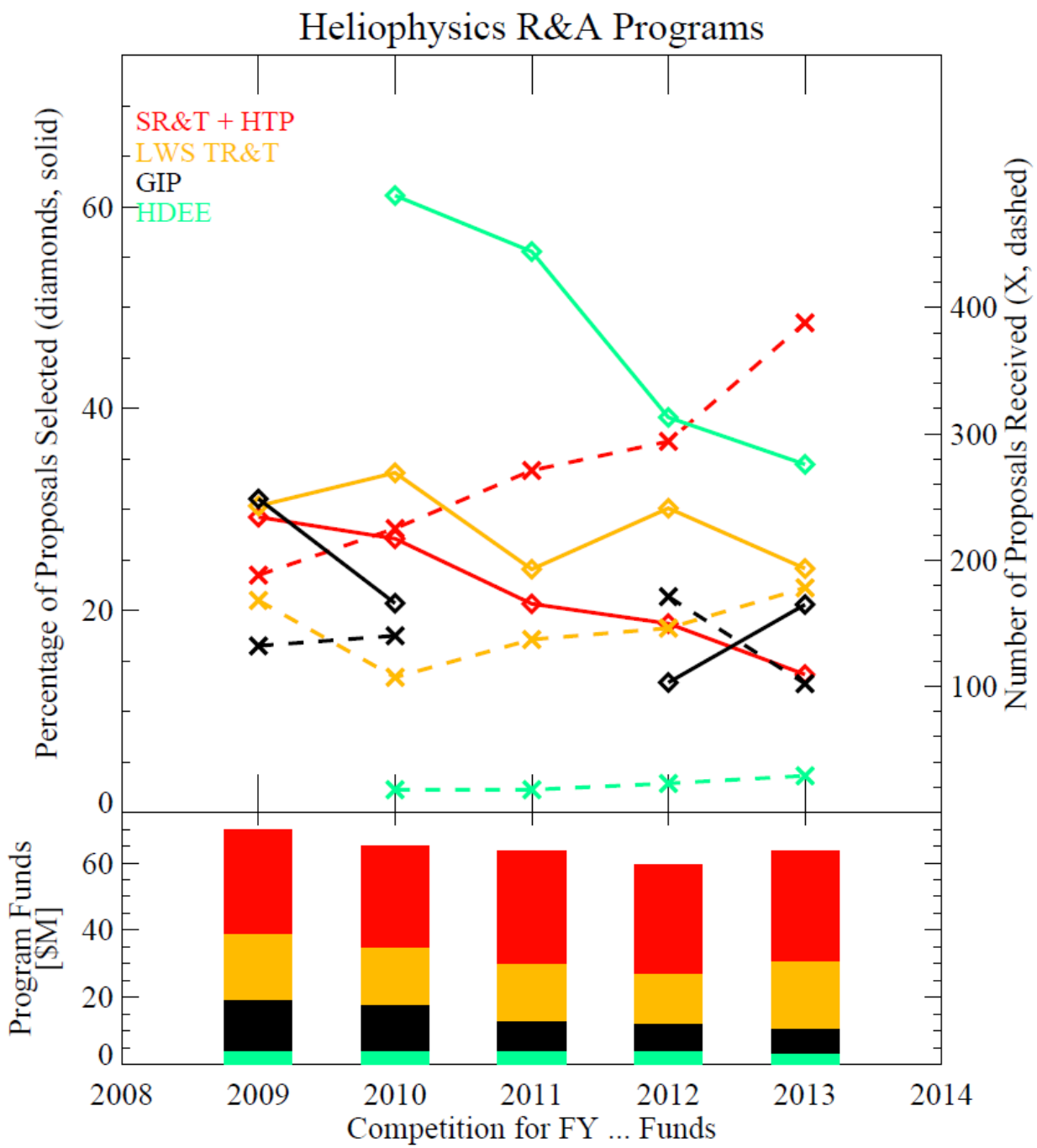
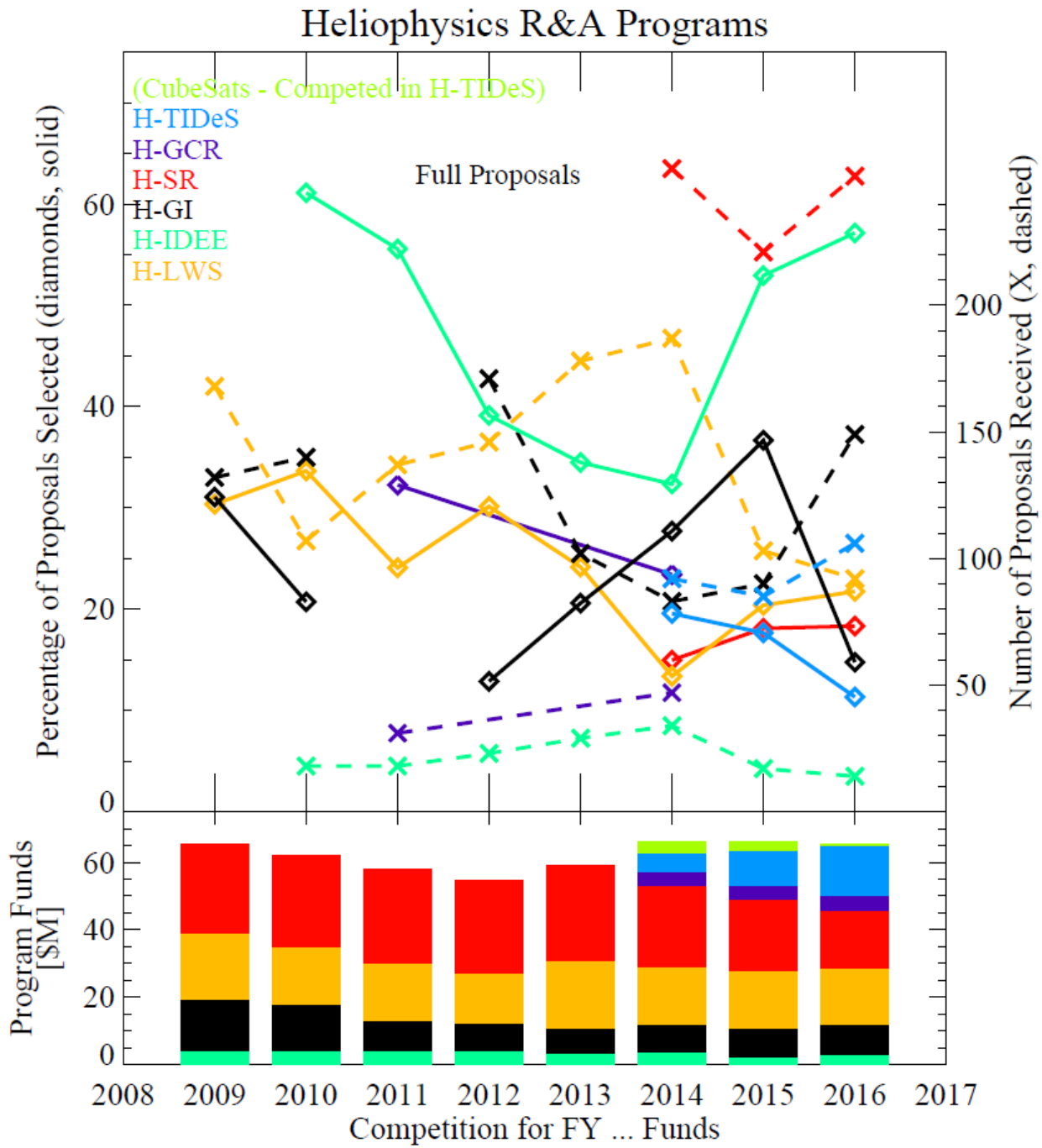
HPD ROSES Success Rates

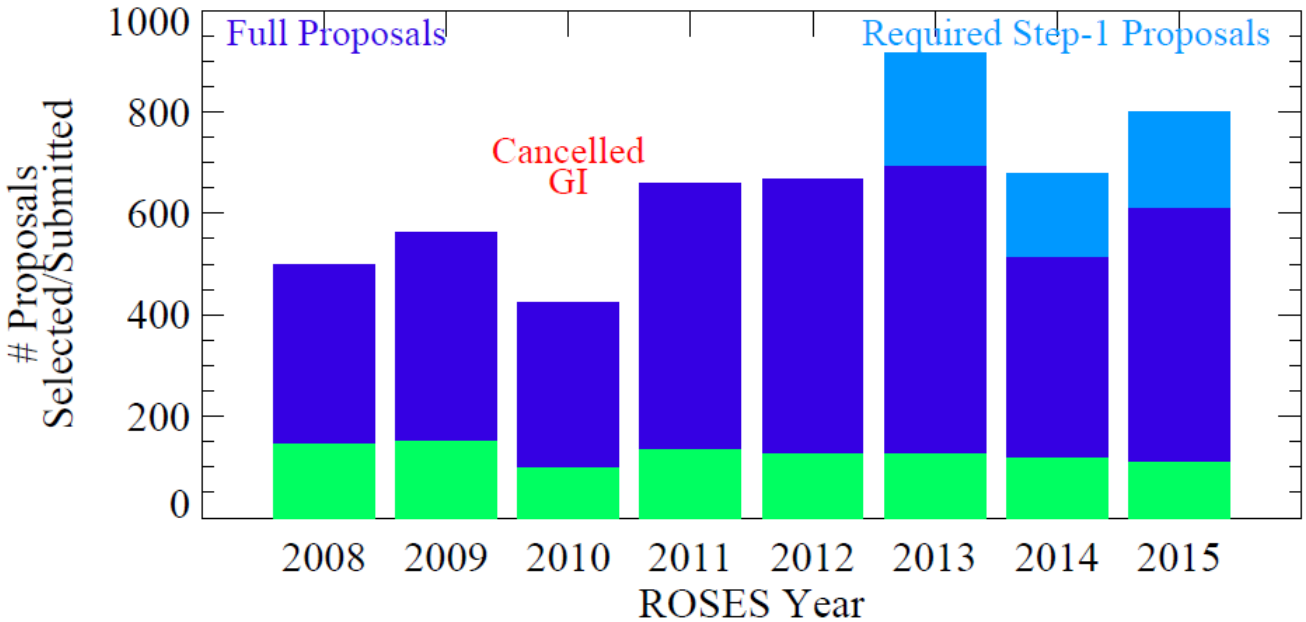



Heliophysics R&A Programs
SR&T + HTP
LWS TR&T
GIP
HDEE
Percentage of Proposals Selected (diamonds, solid)
Number of Proposals Received (X, dashed)
0
20
40
60
100
200
300
400
Program Funds [$M]
0
20
40
60
2008
2009
2010
2011
2012
2013
2014
Competition for FY ... Funds


Heliophysics R&A Programs
(CubeSats - Competed in H-TIDeS)
H-TIDeS
H-GCR
H-SR
H-GI
H-IDEE
H-LWS
Full Proposals
Percentage of Proposals Selected (diamonds, solid)
Number of Proposals Received (X, dashed)
0
20
40
60
50
100
150
200
Program Funds [$M]
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
Competition for FY ... Funds

HPD ROSES15 Selections for FY16 Funds

ELEMENT	STEP 1 PROPOSALS	STEP 2 PROPOSALS	AWARDS	YEAR 1 ($M)
B.2 H-SR	345	251	46 (18%)	5.4
B.3 H-TIDeS	135	106	12 (11%)	4.7
B.4 H-GI	204	149	22 (15%)	2.9
B.6 H-LWS	103	92	20 (22%)	3.5
B.7 H-IDEE	15	14	8 (57%)	0.5
TOTALS	**799**	**612**	**108 (18%)**	**17.0**



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H-SR14 Step-1 Statistics

Encourage/ Discourage Process	# Step-1 Proposals	# En-couraged	# Dis-couraged	# Non-compliant	% En-couraged
Sun	100	62	37	1	62%
Heliosphere	80	45	35	0	56%
Magneto-sphere	105	41	62	2	39%
ITM	40	21	19	0	53%
All	**325**	**169**	**153**	**3**	**52%**

H-SR15 Step-1 Statistics

Encourage/ Discourage Process	# Step-1 Proposals	# En-couraged	# Dis-couraged	# Non-compliant	% En-couraged
Sun	99	70	28	1	71%
Heliosphere	84	54	30	0	64%
Magneto-sphere	115	68	47	0	59%
ITM	47	29	18	0	62%
All	**345**	**221**	**123**	**1**	**64%**

H-SR14 Step-1 Statistics and Step-2 Submissions

Encourage/ Discourage Process	# En-courage Total	# Step-2 Proposals from Enc.	# Dis-courage Total	# Step-2 Proposals from Disc.	Step 2 vs Step 1 Through-put
Sun	62	61	37	15	76%
Heliosphere	45	43	35	17	75%
Magneto-sphere	41	40	62	21	58%
ITM	21	20	19	4	60%
All	**169**	**164**	**153**	**57**	**68%**

H-SR15 Step-1 Statistics and Step-2 Submissions

Encourage/ Discourage Process	# En-courage Total	# Step-2 Proposals from Enc.	# Dis-courage Total	# Step-2 Proposals from Disc.	Step 2 vs Step 1 Through-put
Sun	70	65	28	13	79%
Heliosphere	54	53	30	11	76%
Magneto-sphere	68	62	47	17	69%
ITM	29	27	18	3	64%
All	**221**	**207**	**123**	**44**	**73%**

H-SR14 Statistics: Origins of Step-2 Competitive Range

Encourage/ Discourage Process	# En-couraged	# (%) in Competitive Range Step-2 from Enc.	# Dis-couraged	# (%) in Competitive Range Step-2 from Disc.
Sun	61	24 (39%)	15	3 (20%)
Heliosphere	43	17 (40%)	17	8 (47%)
Magneto-sphere	40	13 (33%)	21	5 (24%)
ITM	20	8 (40%)	4	0 (0%)
All	**164**	**62 (38%)**	**57**	**16 (28%)**

H-SR15 Statistics: Origins of Step-2 Competitive Range

Encourage/ Discourage Process	# En-couraged	# (%) in Competitive Range Step-2 from Enc.	# Dis-couraged	# (%) in Competitive Range Step-2 from Disc.
Sun	65	18 (28%)	13	3 (23%)
Heliosphere	53	11 (21%)	11	5 (45%)
Magneto-sphere	62	13 (21%)	17	5 (29%)
ITM	27	8 (30%)	3	1 (33%)
All	**207**	**50 (24%)**	**44**	**14 (32%)**

H-SR14 Grade Distributions and Funding

	E	E/ VG	VG	VG/ G	G	G/F	F	F/P	Avg
Enc.	13	49	39	28	17	13	1	1	VG
%	7.9	29.9	23.8	17.1	10.4	7.9	0.6	0.6	(6.78)
Disc.	4	12	11	15	7	7	1	0	VG/G
%	7.0	21.1	19.3	26.3	12.3	12.3	1.8	0.0	(6.40)

	# Enc.	# Funded	# Disc.	# Funded	Total
Sun	61	9 (15%)	15	1 (7%)	10 (13%)
Heliosphere	43	7 (16%)	17	3 (18%)	10 (17%)
Magnetosphere	40	12 (30%)	21	4 (19%)	16 (26%)
ITM	20	7 (35%)	4	0 (0%)	7 (29%)
All	**164**	**35 (21%)**	**57**	**8 (14%)**	**43 (19%)**

H-SR15 Grade Distributions and Funding

	E	E/ VG	VG	VG/ G	G	G/F	F	F/P	Avg
Enc.	12	29	45	49	34	25	8	2	VG/G
%	5.9	14.2	22.1	24.0	16.7	12.2	3.9	1.0	(6.11)
Disc.	3	8	6	11	7	4	3	1	VG/G
%	7.0	18.6	14.0	25.6	16.3	9.3	7.0	2.3	(6.07)

	# Enc.	# Funded	# Disc.	# Funded	Total
Sun	65	12 (18%)	13	2 (15%)	14 (18%)
Heliosphere	53	8 (15%)	11	3 (27%)	11 (17%)
Magnetosphere	62	11 (18%)	17	4 (24%)	15 (19%)
ITM	27	5 (19%)	3	1 (33%)	6 (20%)
All	**207**	**36 (17%)**	**44**	**10 (23%)**	**46 (18%)**

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Heliophysics Review Panels: ROSES16 Volunteer Search

Call for panel volunteers for all Heliophysics ROSES16 program elements. Will send to Newsletters and to NSPIRES distribution list in March. You cannot submit to and volunteer for the same program!

http://science.nasa.gov/researchers/volunteer-review-panels/heliophysics/

Open until Apr. 30.

Heliophysics R&A ROSES-16 Due Dates (all 2016)

Appendix	Full Program Name	Program Acronym	Step-1/2 Due Dates	Progr. Off.
B.2	Heliophysics Supporting Research	H-SR	July 29 Sept. 9	A. Posner E. Talaat
B.3	Heliophysics Technology and Instrument Development for Science	H-TIDeS	June 10 July 22	D. Moses
B.4	Heliophysics Guest Investigators (Open Element)	H-GI	March 18 Apr. 18	W. Paterson
B.5	Heliophysics Grand Challenges Research (Theory, Modeling, Simulations Element)	H-GCR	Sept. 23 Nov. 4	M. Kessel
B.6	Heliophysics Living With a Star Science	H-LWS	Oct. 7 Nov. 18	J. Morrill
B.7	Heliophysics Data Environment Enhancements	H-DEE	May 20 July 22	J. Hayes A. Roberts

Additional Elements in Heliophysics ROSES-16

Appendix	Full Program Name	Program Acronym	Due Dates	Progr. Off.
B.8	Heliophysics Guest Investigators (MMS Element)	H-GI MMS	TBD	W. Paterson
B.9	Heliophysics Grand Challenges Research (Science Centers Element)	H-GCR SC	TBD	M. Kessel
B.10	USPI	H-USPI	TBD	E. Talaat