

**Primary and Secondary Volume Report by Supervisor
Department: Kavli Inst for Astrophysics & Space Rsrh
Fiscal Period 201412**

Primary Volume

Supervisor: Baganoff /Frederick K

P159600 Kavli Inst For Astrophysics & Space Rsrh

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6924539	GO1-12119 X	Smithsonian Inst. - Astrophysical Observatory	6924539	Probing The Flaring Activity And Submill	03/30/2011	03/29/2014		13,627	4,974	861	12,217	31,679	35,672	35,672	0	6924539
6925445	GO2-13110 A	Smithsonian Inst. - Astrophysical Observatory	6925445	Chandra Hetg Ultra-Deep Gratings Spectro	02/08/2012	02/07/2015		5,748	2,098	5,654	7,519	21,018	350,912	113,569	237,343	6925445
6927547	44A-109368 9	California Institute of Technology	6927547	Analysis Of Nustar Observations Of Sgr A	01/01/2013	10/31/2014		15,963	5,827	2,740	12,751	37,281	89,250	55,297	33,953	6927547
6928578	G03-14099 X	Smithsonian Inst. - Astrophysical Observatory	6928578	Monitoring The Tidal Disruption Of A Gas	04/07/2013	04/06/2015		2,863	1,045	2,679	3,397	9,985	72,578	9,985	62,593	6928578
6929736	G04-15091 B	Smithsonian Inst. - Astrophysical Observatory	6929736	Monitoring The Tidal Disruption Of The G	03/15/2014	03/14/2016						0	131,280	0	131,280	6929736
Supervisor Total:								38,201	13,943	11,934	35,884	99,963	679,691	214,522	465,169	

Supervisor: Bautz /Marshall W

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6919419	NNX09AE5 8G	NASA - Goddard Space Flight Center	6919419	Continuing Mit Participation In The Moni	01/20/2009	01/19/2015		66,006	24,092	17,864	67,550	175,512	901,988	863,225	38,762	6919419
6921436	NNX10AE5 0G	NASA - Goddard Space Flight Center	6921436	High Performance Three-Dimensionally Int	02/01/2010	01/31/2016		1,041	380	8,493	6,132	16,045	681,732	208,471	473,261	6921436
6924743	GO2-13006 B	Smithsonian Inst. - Astrophysical Observatory	6924743	Cosmology And Cluster Evolution From The	08/11/2011	09/23/2014		270	99	6,722	2,208	9,299	103,056	62,959	40,097	6924743

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6925636	NNG12FD7 0C	NASA - Goddard Space Flight Center	6925672	Kavli - Regolith X-Ray Imaging Spectrome	12/16/2011	09/30/2013		3	1	35	21	59	114,088	114,088	0	6925672
6925636	NNG12FD7 0C	NASA - Goddard Space Flight Center	6927984	Kavli - Regolith X-Ray Imaging Spectrome	06/01/2013	09/30/2014		25,670	9,369	246	19,873	55,158	92,226	61,526	30,700	6927984
6925951	NNX12AF22 G	NASA - Goddard Space Flight Center	6925951	Directly-Deposited Blocking Filters For	07/01/2012	06/30/2015		48,641	17,754	5,613	37,467	109,475	359,365	147,719	211,646	6925951
6927484	NNX13AE7 7G	NASA - Goddard Space Flight Center	6927484	Mit Participation In Calibration And Gro	02/01/2013	01/31/2015		30,411	11,100	9,673	26,552	77,736	383,458	77,736	305,722	6927484
6927925	HST-GO-13 102.04-A	Space Telescope Science Institute	6927925	Zooming In On The Starburst At The Core	02/01/2013	01/31/2016		464	169	6,273	3,513	10,420	13,960	10,420	3,540	6927925
6928423	AGREEMENT JUNE 1 2013	Japan Aerospace Exploration Agency	6928423	Continuing Support For The Suzaku X-Ray	06/01/2013	03/31/2014		19,468	7,106	159	13,948	40,681	40,681	40,681	-0	6928423
6929647	HST-GO-12 992.01-A	Space Telescope Science Institute	6929647	Are Young Stars Condensing Out Of The Ra	07/01/2013	06/30/2016						0	14,301	0	14,301	6929647

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3978556	AGMT. DTD. 7/12/04	MIT - Internal	6897435	Kavli Instruments Development - Bautz	02/01/2005	06/30/2006		0	0	0	0	0	17,806	17,806	0	6897435
3978556	AGMT. DTD. 7/12/04	MIT - Internal	6899309	Mark Bautz Instrument Development Fund F	03/01/2006	06/30/2008		0	0	0	0	0	2,251	2,251	0	6899309
3978556	AGMT. DTD. 7/12/04	MIT - Internal	6917355	Bautz Fy08-Instrument Development	02/01/2008	01/31/2011		0	0	0	0	0	29,865	29,865	-0	6917355

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3978556	AGMT. DTD. 7/12/04	MIT - Internal	6923500	Bautz #1 Fy11 Instrument Development	03/01/2011	12/31/2012				0		0	12,646	12,646	0	6923500
3978556	AGMT. DTD. 7/12/04	MIT - Internal	6923503	Bautz #2 Fy11 Instrument Development	03/01/2011	06/30/2013						0	0	0	0	6923503
3978556	AGMT. DTD. 7/12/04	MIT - Internal	6925103	Tess Phase A & Gap	09/01/2011	08/31/2013		14,614	5,334	580	0	20,528	260,935	260,935	-0	6925103
Supervisor Total:								206,587	75,404	55,659	177,263	514,913	3,028,357	1,910,327	1,118,030	

**Supervisor: Bertschinger /Edmund W
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3978556	AGMT. DTD. 7/12/04	MIT - Internal Cost Sharing	6897444	Dedm Computer	02/01/2005	01/31/2010		0	0	0	0	0	29,936	29,936	0	6897444
Supervisor Total:								0	0	0	0	0	29,936	29,936	0	

**Supervisor: Burles /Scott M
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3978556	AGMT. DTD. 7/12/04	MIT - Internal	6899308	Scott Burles Instrument Development Fund	07/01/2005	06/30/2008		0	0	0	0	0	4,063	4,063	0	6899308
3978556	AGMT. DTD. 7/12/04	MIT - Internal	6899528	Scott Burles Instrument Development Fund	07/01/2005	06/30/2008				0		0	13,345	13,345	0	6899528
Supervisor Total:								0	0	0	0	0	17,408	17,408	0	

**Supervisor: Canizares /Claude R
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6895250	SV3-73016	Smithsonian Inst. - Astrophysical Observatory	6895250	Support Of The Chandra X-Ray Center (Cxc	09/01/2003	09/30/2015						0	0	0	0	6895250
6895250	SV3-73016	Smithsonian Inst. - Astrophysical Observatory	6895251	Support Of The Chandra X-Ray Center (Cxc	09/01/2003	09/30/2015		16,286	5,944	858	14,604	37,693	8,518,287	1,819,314	6,698,973	6895251
6895250	SV3-73016	Smithsonian Inst. - Astrophysical Observatory	6895252	Support Of The Chandra X-Ray Center (Cxc	09/01/2003	09/30/2015		565,105	204,927	14,758	496,572	1,281,362	7,391,412	13,561,684	-6,170,272	6895252
6895250	SV3-73016	Smithsonian Inst. - Astrophysical Observatory	6895253	Support Of The Chandra X-Ray Center (Cxc	09/01/2003	09/30/2015		391	143	5,280	3,590	9,404	1,744,843	2,006,310	-261,467	6895253
6895250	SV3-73016	Smithsonian Inst. - Astrophysical Observatory	6895254	Support Of The Chandra X-Ray Center (Cxc	09/01/2003	09/30/2015		672,113	238,394	57,664	636,245	1,604,415	14,477,947	13,838,480	639,467	6895254
6895250	SV3-73016	Smithsonian Inst. - Astrophysical Observatory	6895255	Support Of The Chandra X-Ray Center (Cxc	09/01/2003	09/30/2015	44,181	157,177	57,370	50,154	166,405	475,287	9,544,965	9,110,050	434,915	6895255
Supervisor Total:							44,181	1,411,07	506,777	128,714	1,317,41	3,408,16	41,677,454	40,335,839	1,341,615	

Supervisor: Chakrabarty /Deepto

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6923118	GO1-12063 X	Smithsonian Inst. - Astrophysical Observatory	6923118	Validating Neutron Star Radius Measureme	10/12/2010	11/19/2014	0	2,692	770	25	2,181	5,668	26,071	24,741	1,330	6923118
6924554	NNX11AO1 9G	NASA - Goddard Space Flight Center	6924554	The Gbm All-Sky X-Ray Burst Monitor (Fer	07/28/2011	07/27/2014		299	109	7,208	2,447	10,064	159,987	117,431	42,556	6924554
6925704	NNX12AE6 0G	NASA - Goddard Space Flight Center	6925704	A Swift Study Of Neutron Star Transients	01/20/2012	01/19/2014	2,552	193	70	53	1,576	4,443	14,970	14,970	-0	6925704

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6926090	G02-13038 X	Smithsonian Inst. - Astrophysical Observatory	6926090	Precise Localization Of Transient Low-Ma	04/17/2012	04/16/2014		2,651	758	34	1,930	5,373	20,089	20,089	-0	6926090
6928006	G03-14033 X	Smithsonian Inst. - Astrophysical Observatory	6928006	Precise Localization Of Transient Low-Ma	03/18/2013	03/17/2015	0	11,162	3,194	595	7,754	22,705	22,796	22,705	91	6928006
6929382	G04-15032 X	Smithsonian Inst. - Astrophysical Observatory	6929382	Precise Localization Of Transient Low-Ma	02/09/2014	02/08/2016		5,349	1,529		3,570	10,447	27,155	10,447	16,708	6929382

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3978556	AGMT. DTD. 7/12/04	MIT - Internal	6919509	Chakrabarty Fy09-Instrument Development	01/25/2009	01/31/2012		0	0	0	0	0	29,076	29,076	0	6919509

Supervisor Total: 2,552 22,346 6,430 7,915 19,458 58,701 300,145 239,460 60,684

Supervisor: Chang /Thomas T S

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6920931	AGS-09406 85	NSF	6920931	Collaborative Research: Intermittent Tur	12/01/2009	11/30/2014		37,410	3,925	1,198	26,453	68,987	225,356	200,541	24,815	6920931

Supervisor Total: 37,410 3,925 1,198 26,453 68,987 225,356 200,541 24,815

Supervisor: Corbitt /Thomas R

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3978556	AGMT. DTD. 7/12/04	MIT - Internal	6921668	Corbitt F/Y 10 Instrument Development	01/01/2010	12/31/2012		0	0	0	0	0	9,213	9,213	-0	6921668

Supervisor Total: 0 0 0 0 0 9,213 9,213 -0

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**Supervisor: Defandorf /John M
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3978556	AGMT. DTD. 7/12/04	MIT - Internal Cost Sharing	6897445	Dedm Infrastructure Support	02/01/2005	07/31/2013		0	0	0	0	0	368,259	368,259	0	6897445

Supervisor Total:

0 0 0 0 0 368,259 368,259 0

Supervisor: Figueroa-Feliciano /Enectali

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6919329	PHY-08473 42	NSF	6919329	Career: Increasing The Dark Matter Scien	02/01/2009	01/31/2014	0	3,257	1,189	4,466	5,567	14,479	684,728	684,728	0	6919329
6921378	NNX10AE2 5G	NASA - Goddard Space Flight Center	6918280	Detector System Fo Micro-X Sounding Rock	02/01/2010	08/31/2014				0		0	100,000	235,842	-135,842	6918280
6921378	NNX10AE2 5G	NASA - Goddard Space Flight Center	6921378	Supernova Remnant And Galaxy Cluster Obs	02/01/2010	08/31/2014	0	314	49	894	743	2,000	957,232	808,040	149,191	6921378
6927190	00008052	University of California - Berkeley	6927190	R&D Toward Supercdms At Snolab	09/01/2012	08/31/2014						0	0	0	0	6927190
6927190	00008052	University of California - Berkeley	6927464	6927190 Year 1 And 2 Funding	09/01/2012	08/31/2014		59,935	17,150	22,615	51,484	151,184	260,768	211,699	49,069	6927464
6927242	NNX13AD0 2G	NASA - Goddard Space Flight Center	6927242	Supernova Remnant Observations With Micr	10/01/2012	12/31/2016	13,754	21,089	6,299	17,570	21,234	79,946	269,032	197,166	71,866	6927242
6927242	NNX13AD0 2G	NASA - Goddard Space Flight Center	6927999	Detector System For Supernova Remnant Ob	01/01/2013	12/31/2016				78,654		78,654	150,000	78,654	71,346	6927999
6927408	GO2-13162 A	Smithsonian Inst. - Astrophysical Observatory	6927408	Probing The Nature And Role Of X-Ray Emi	12/02/2012	12/01/2014		225	82	3,035	1,700	5,041	30,872	5,041	25,831	6927408

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6927479	GO3-14080 X	Smithsonian Inst. - Astrophysical Observatory	6927479	Studying Particle Acceleration And Eject	02/04/2013	02/03/2015		3,698	1,350	7,745	6,562	19,355	48,896	48,084	812	6927479

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3978556	AGMT. DTD. 7/12/04	MIT - Internal	6927176	2013 Kavli Investment Fund Award	01/01/2013	08/31/2014		17,613	6,429	118	0	24,160	41,910	28,051	13,859	6927176

Supervisor Total: 13,754 106,131 32,547 135,098 87,289 374,819 2,543,438 2,297,305 246,133

**Supervisor: Fisher /Peter H
P159601 Mki Endowed**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978556	AGMT. DTD. 7/12/04	MIT - Internal	6896962	Mki - Instrument Development Fund - Pete	02/01/2005	06/30/2008		0	0	0	0	0	26,106	26,106	0	6896962
3978556	AGMT. DTD. 7/12/04	MIT - Internal	6899310	Peter Fisher Instrument Development Fund	03/01/2006	06/30/2008		0	0	0	0	0	14,353	14,353	0	6899310
3978556	AGMT. DTD. 7/12/04	MIT - Internal	6915061	Fisher Instrument Development Fy 07	02/01/2007	02/28/2014		0	0	221	0	221	34,238	34,238	0	6915061

Supervisor Total: 0 0 221 0 221 74,697 74,697 0

**Supervisor: Ford /Peter Gerald
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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6924541	GO1-12181 B	Smithsonian Inst. - Astrophysical Observatory	6924541	Effects Of Coronal Mass Ejection (Cme) P	05/02/2011	05/01/2014		4,730	1,727	44	4,085	10,586	12,017	12,017	-0	6924541

Supervisor Total: 4,730 1,727 44 4,085 10,586 12,017 12,017 -0

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**Supervisor: Foster /Richard F
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3978556	AGMT. DTD. 7/12/04	MIT - Internal	6921669	Foster F/Y 10 Instrument Development	01/01/2010	12/31/2012		0	0	0	0	0	11,111	11,111	-0	6921669

Supervisor Total:

0 0 0 0 0 11,111 11,111 -0

Supervisor: Frebel /Anna L.

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6925405	HST-GO-12 268-11-A	Space Telescope Science Institute	6925405	Production Of The Heavy Elements In The	02/01/2012	01/31/2015						0	2,726	0	2,726	6925405
6925442	HST-GO-12 254-10-A	Space Telescope Science Institute	6925442	The Origins Of Carbon-Enhanced Metal-Poo	03/01/2012	02/28/2015						0	1,497	0	1,497	6925442
6927611	AST-12551 60	NSF	6927611	Career: The Origin Of The Metal-Poor Hal	07/01/2013	06/30/2018	15,119	32,435	9,445	25,203	36,721	118,922	315,284	118,922	196,362	6927611
6928929	HST-AR-13 246.01-A	Space Telescope Science Institute	6928929	The Nucleosynthetic Origins And Chemical	10/31/2013	09/30/2016						0	32,328	0	32,328	6928929
6929525	HST-GO-12 976.06-A	Space Telescope Science Institute	6929525	The Most Complete Template For R-Process	01/01/2013	12/31/2015						0	7,437	0	7,437	6929525

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3978556	AGMT. DTD. 7/12/04	MIT - Internal	6927174	2013 Kavli Investment Fund Award	01/01/2013	06/30/2013				0		0	51,595	51,595	0	6927174

Supervisor Total:

15,119 32,435 9,445 25,203 36,721 118,922 410,867 170,517 240,350

Supervisor: Heilmann /Ralf K

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3978556	AGMT. DTD. 7/12/04	MIT - Internal	6917354	Heilmann Fy08-Instrument Development	02/01/2008	01/31/2010				0		0	25,036	25,036	0	6917354
3978556	AGMT. DTD. 7/12/04	MIT - Internal	6923502	Heilmann Fy11 Instrument Development	03/01/2011	06/30/2013				0		0	49,996	49,996	0	6923502
3978556	AGMT. DTD. 7/12/04	MIT - Internal	6927173	2013 Kavli Investment Fund Award	01/01/2013	06/30/2013				0		0	31,154	31,154	0	6927173
Supervisor Total:										0		0	106,186	106,186	0	

Supervisor: Hewitt /Jacqueline N

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6918926	AST-08213 21	MIT - Internal Cost Sharing	6918927	Mri: Acquisition Of An Archive For The M	07/01/2008	07/31/2013		0	0	6	4	11	260,451	260,451	0	6918927
6918926	AST-08213 21	NEROC	6918926	Mri: Acquisition Of An Archive For The M	07/01/2008	07/31/2014	0	84,232	30,745	160,638	73,809	349,423	727,666	701,116	26,550	6918926

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3978556	AGMT. DTD. 7/12/04	MIT - Internal	6896961	Kavli Research & Programs	08/01/2004	08/31/2014		195	71	-71,604	0	-71,337	606,364	488,085	118,279	6896961
Supervisor Total:								0	84,427	30,816	89,040	73,813	278,097	1,594,481	1,449,651	144,830

Supervisor: Homan /Jeroen

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6924511	GO1-12062 X	Smithsonian Inst. - Astrophysical Observatory	6924511	Spectral State Dependence Of The Extende	07/27/2011	07/26/2013		4	2	60	36	102	55,000	55,000	-0	6924511

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6924744	GO2-13052 X	Smithsonian Inst. - Astrophysical Observatory	6924744	Quasi-Persistent Neutron-Star X-Ray Bina	09/16/2011	09/23/2014		1,693	618	1,172	1,944	5,427	26,706	23,910	2,797	6924744
6924746	GO1-12045 X	Smithsonian Inst. - Astrophysical Observatory	6924746	Crustal Cooling Of The Neutron Star In E	07/05/2011	07/04/2013		-97	-36	31	-58	-160	15,462	15,462	-0	6924746
6924820	GO1-12055 B	Smithsonian Inst. - Astrophysical Observatory	6924820	Transient Lmxbs In Globular Clusters: Mo	08/30/2011	08/29/2013		3	1	47	28	80	13,480	13,480	-0	6924820
6925507	GO2-13048 X	Smithsonian Inst. - Astrophysical Observatory	6925507	An Accurate X-Ray Position Of The Neutro	02/23/2012	02/22/2014		4,709	1,719	112	3,682	10,221	16,297	16,297	-0	6925507
6925524	NNX12AE1 4G	NASA - Goddard Space Flight Center	6925524	Lense-Thirring Precession In Neutron-Sta	01/18/2012	01/17/2015		9,114	3,327	101	7,063	19,605	92,505	68,669	23,836	6925524
6925675	NNX12AD5 6G	NASA - Goddard Space Flight Center	6925675	The Final Stages Of Outbursts In Soft X-	01/10/2012	01/09/2014		8,997	3,284	97	6,971	19,348	33,979	33,979	-0	6925675
6926392	GO2-13061 X	Smithsonian Inst. - Astrophysical Observatory	6926392	The Shortest Orbital Period Black-Hole X	07/05/2012	07/04/2014		11,222	4,096	106	8,041	23,465	42,516	38,633	3,883	6926392
6927125	NNX12AE6 3G	NASA - Goddard Space Flight Center	6927125	The Final Stages Of Outbursts In Soft X-	01/20/2012	01/19/2014		2,621	957	2,705	3,498	9,781	14,966	14,966	0	6927125
6927154	GO3-14031 X	Smithsonian Inst. - Astrophysical Observatory	6927154	Crust Cooling Of Accretion Heated Neutro	09/18/2012	09/17/2014		5,886	2,148	57	4,218	12,309	28,188	18,048	10,140	6927154
6927223	GO2-13045 B	Smithsonian Inst. - Astrophysical Observatory	6927223	Transient Lmxbs In Globular Clusters: Mo	08/07/2012	08/06/2014		3,032	1,107	97	2,207	6,443	16,801	8,341	8,460	6927223
6927465	GO2-13060 X	Smithsonian Inst. - Astrophysical Observatory	6927465	The Cooling Neutron Star In The Super-Ed	10/29/2012	10/28/2014		7,021	2,563	63	5,029	14,675	35,645	17,667	17,978	6927465

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6927553	GO3-14034 B	Smithsonian Inst. - Astrophysical Observatory	6927553	Observations Of A Cooling Neutron Star C	02/25/2013	02/24/2015		2,034	742	102	1,499	4,377	5,000	4,377	623	6927553
6927864	GO3-14032 B	Smithsonian Inst. - Astrophysical Observatory	6927864	Transient Lmxbs In Globular Clusters (Ch	05/01/2013	04/30/2015		6,465	2,360	47	4,626	13,499	20,311	13,499	6,812	6927864
6927921	NNX13AJ72 G	NASA - Goddard Space Flight Center	6927921	Constraining The Episodic Low-Level Accr	04/23/2013	04/22/2015		8,069	2,945	59	6,237	17,309	19,997	17,309	2,688	6927921
6929387	NNX14AE6 7G	NASA - Goddard Space Flight Center	6929387	The Final Stages Of Outbursts In Soft X-	02/25/2014	02/24/2015						0	31,494	0	31,494	6929387
6929699	G04-15048 X	Smithsonian Inst. - Astrophysical Observatory	6929699	The Cooling Neutron Star In The Super-Ed	02/20/2014	02/19/2016						0	58,603	0	58,603	6929699
Supervisor Total:								70,772	25,832	4,857	55,021	156,482	526,950	359,637	167,313	

**Supervisor: Huenemoerder /David P
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6921269	NNX10AD4 1G	NASA - Goddard Space Flight Center	6921269	Atomic Data Unleashed: Interactive, Scri	12/15/2009	12/15/2014		3,988	1,456	351	3,663	9,458	367,246	242,379	124,867	6921269
6924542	GO1-12017 B	Smithsonian Inst. - Astrophysical Observatory	6924542	Understanding The Weak Winds: High-Resol	06/26/2011	06/25/2013		0	0	-81	0	-81	9,244	9,244	0	6924542
6927863	GO3-14003 A	Smithsonian Inst. - Astrophysical Observatory	6927863	Wolf-Rayet Winds At High Spectral Resolu	05/06/2013	05/05/2015		3,851	1,405	2,654	4,087	11,997	81,200	11,997	69,203	6927863
Supervisor Total:								7,838	2,861	2,925	7,750	21,374	457,690	263,619	194,071	

**Supervisor: Hughes /Scott A
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6923670	PHY-10687 20	NSF	6923670	Gravitational-Wave And Strong-Gravity As	07/01/2011	06/30/2014	36,441	2,734	998	21,497	24,940	86,611	360,000	360,035	-35	6923670
6930200	PHY-14032 61	NSF	6930200	Strong-Gravity Binary Phenomenology And	07/01/2014	06/30/2017						0	360,000	0	360,000	6930200

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3978556	AGMT. DTD. 7/12/04	MIT - Internal	6921670	Hughes F/Y 10 Instrument Development	01/01/2010	12/31/2011		0	0	0	0	0	26,353	26,353	0	6921670
Supervisor Total:							36,441	2,734	998	21,497	24,940	86,611	746,353	386,388	359,965	

Supervisor: Katsavounidis /Erotokritos

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6926610	123405535	University of Wisconsin	6926610	Data Handling And Analysis Infrastructure	12/15/2011	11/30/2014		31,746	11,587	10,527	30,180	84,040	149,652	104,656	44,996	6926610
Supervisor Total:								31,746	11,587	10,527	30,180	84,040	149,652	104,656	44,996	

Supervisor: Lazarus /Alan J

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6922946	NNX10AP3 5G	NASA - Goddard Space Flight Center	6922946	The Wind Swe/Faraday Cup: Mission Operat	07/19/2010	07/31/2013		8,431	3,077	125	7,309	18,942	163,335	163,335	0	6922946
6928624	NNX13AP3 7G	NASA - Goddard Space Flight Center	6928624	The Wind Swe/Faraday Cup: Mission Operat	08/07/2013	08/06/2014		16,290	5,946	136	11,663	34,035	60,143	34,035	26,108	6928624
Supervisor Total:								24,721	9,023	261	18,972	52,976	223,477	197,369	26,108	

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Supervisor: Levine /Alan M

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6923972	NNX11A102 G	NASA - Goddard Space Flight Center	6923972	A Major Addition To The Number Of Source	05/02/2011	05/01/2014		13,867	5,061	131	11,977	31,036	221,853	221,864	-11	6923972
6925032	GO2-13105 B	Smithsonian Inst. - Astrophysical Observatory	6925032	Colliding Galaxies Arp 256 And Ngc 5754/	10/31/2011	10/30/2013		4,613	1,684	43	3,570	9,910	14,922	14,924	-2	6925032
6926869	GO3-14090 B	Smithsonian Inst. - Astrophysical Observatory	6926869	Arp143: Collisional Ring Galaxy (Proposa	12/11/2012	12/10/2014		3,142	1,147	29	2,251	6,568	14,371	6,568	7,803	6926869
6927390	GO3-14092 B	Smithsonian Inst. - Astrophysical Observatory	6927390	Galaxies In Collision: Ngc 2207 & Ic 216	12/31/2012	12/30/2014		427	156	43	326	952	14,371	12,560	1,811	6927390
6929648	HST-GO-12 987.02-A	Space Telescope Science Institute	6929648	Possible Disintegrating Short-Period Sup	02/01/2013	01/31/2016						0	9,999	0	9,999	6929648
Supervisor Total:								22,049	8,048	246	18,124	48,466	275,516	255,916	19,600	

Supervisor: Lewin /Walter H G

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6925681	GO2-13029 X	Smithsonian Inst. - Astrophysical Observatory	6925681	Close Binary Populations In Metal-Rich G	01/05/2012	01/04/2015		8,833	3,224	1,133	7,413	20,603	35,645	28,372	7,273	6925681
6925695	HST-GO-12 746.01-A	Space Telescope Science Institute	6925695	Close Binary Populations In Metal-Rich G	04/01/2012	03/31/2015		29	11	393	238	670	30,101	1,155	28,946	6925695
Supervisor Total:								8,862	3,235	1,526	7,651	21,273	65,746	29,527	36,219	

Supervisor: Marshall /Herman

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6923688	HST-GO-12 261-01-A	Space Telescope Science Institute	6923688	Resolving The Pictor A Jet	02/01/2011	03/31/2014		0	0	4	2	6	19,961	19,961	-0	6923688
6925474	AR2-13009 B	Smithsonian Inst. - Astrophysical Observatory	6925474	A Serendipitous 695-Ks Hetg Observation	01/01/2012	02/28/2015		157	57	2,116	1,280	3,610	10,000	8,008	1,992	6925474
6925777	NNX12AE8 3G	NASA - Goddard Space Flight Center	6925777	The Seyfert 1 H0557-385: A Long Transiti	01/24/2012	01/23/2015		0	0	0	0	0	12,999	8,807	4,192	6925777
6925875	NNX12AH1 2G	NASA - Goddard Space Flight Center	6925875	Laboratory Verification Of Instrumentati	03/22/2012	03/21/2015	15,464	23,721	4,659	21,975	29,159	94,978	243,947	173,856	70,091	6925875
6925875	NNX12AH1 2G	NASA - Goddard Space Flight Center	6927794	Fabricated Equipment - Detector Multilay	03/22/2012	03/21/2015				41,303		41,303	72,000	41,303	30,697	6927794
6926210	G02-13131 A	Smithsonian Inst. - Astrophysical Observatory	6926210	Variability And Particle Acceleration In	06/18/2012	06/17/2015		1,159	114	3,387	2,561	7,222	17,555	10,535	7,020	6926210
6929290	G03-14120 B	Smithsonian Inst. - Astrophysical Observatory	6929290	Probing The Causes Of The High/Low Jet P	04/15/2013	03/18/2015		556	203	305	550	1,614	15,217	1,614	13,603	6929290

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3978556	AGMT. DTD. 7/12/04	MIT - Internal	6919507	Marshall Fy09-Instrument Development	01/25/2009	01/31/2013		0	0	0	0	0	7,299	7,299	0	6919507
3978556	AGMT. DTD. 7/12/04	MIT - Internal	6919508	Fabricated Equipment: Marshall Fy09	01/25/2009	01/31/2013				0		0	21,978	21,978	0	6919508
3978556	AGMT. DTD. 7/12/04	MIT - Internal	6925350	2012 Kavli Investment Fund Award	01/01/2012	06/30/2014		0	0	0	0	0	1,321	2,360	-1,040	6925350

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3978556	AGMT. DTD. 7/12/04	MIT - Internal	6925794	Fab Eq - X-Ray Polarimeter	01/01/2012	06/30/2014				10,337		10,337	26,040	26,040	0	6925794

Supervisor Total: 15,464 25,593 5,033 79,427 33,553 159,071 448,317 321,760 126,557

Supervisor: Mavalvala /Nergis

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6918263	PHY-07581 88	NSF	6918263	Quantum Effects In Radiation-Pressure-Do	09/01/2008	08/31/2012	0	-126	-45	-1,800	-1,224	-3,195	696,251	696,251	-0	6918263
6924185	PHY-10687 72	NSF	6924185	Quantum Opto-Mechanics On Multiple Scale	07/15/2011	06/30/2015	50,705	48,680	17,614	57,312	77,483	251,794	879,669	797,725	81,944	6924185
6924185	PHY-10687 72	NSF	6928575	Fabricated Equipment-Optics Experiment	07/15/2011	06/30/2014				44,537		44,537	73,609	44,537	29,072	6928575

Supervisor Total: 50,705 48,554 17,570 100,049 76,259 293,137 1,649,529 1,538,514 111,015

Supervisor: Miller /Eric D

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6922815	NNX10AV0 2G	NASA - Goddard Space Flight Center	6922815	The Outer Limits Of Rich Clusters: Suzak	09/10/2010	09/09/2013		2,193	801	50	1,912	4,956	97,550	97,550	0	6922815
6923397	GO1-12165 X	Smithsonian Inst. - Astrophysical Observatory	6923397	The Outer Limits Of Clusters With Chandr	01/14/2011	01/13/2015		8,334	3,042	109	7,204	18,688	53,219	36,591	16,628	6923397
6925446	GO2-13152 X	Smithsonian Inst. - Astrophysical Observatory	6925446	To The Outer Limits Of Clusters With Cha	02/10/2012	02/09/2015		3,229	1,179	682	2,758	7,849	66,631	24,952	41,679	6925446
6927467	GO3-14132 X	Smithsonian Inst. - Astrophysical Observatory	6927467	To The Outer Limits Of Clusters With Cha	01/15/2013	01/14/2015		849	310	8	608	1,776	45,990	1,776	44,214	6927467

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Supervisor Total: 14,606 5,331 849 12,483 33,268 263,390 160,868 102,521

Supervisor: Nowak /Michael A

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6923338	NNX11AC8 6G	NASA - Goddard Space Flight Center	6923338	Hunting For The Variable Iron Line In Ng	12/14/2010	12/13/2013		5,477	1,999	57	4,734	12,268	17,986	17,986	-0	6923338
6925481	NNX12AE3 7G	NASA - Goddard Space Flight Center	6925481	Leveraging High Resolution Spectra To Un	01/19/2012	01/19/2015		95	35	1,283	776	2,189	85,887	20,703	65,184	6925481
6925654	GO2-13034 X	Smithsonian Inst. - Astrophysical Observatory	6925654	A Further Drop Into Quiescence By The Ne	01/30/2012	01/29/2015		13	5	3,460	109	3,588	39,809	11,762	28,047	6925654
6925685	GO2-13035 X	Smithsonian Inst. - Astrophysical Observatory	6925685	Investigating New Integral Sources With	03/19/2012	03/18/2014		3,479	1,270	34	2,693	7,476	16,964	16,964	0	6925685
6929020	HST-GO-13 380.01-A	Space Telescope Science Institute	6929020	Probing Black Hole Disk Atmospheres With	11/01/2013	10/31/2016						0	14,666	0	14,666	6929020

Supervisor Total: 9,064 3,308 4,835 8,313 25,520 175,312 67,415 107,897

Supervisor: Prigozhin /Gregory

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3978556	AGMT. DTD. 7/12/04	MIT - Internal	6921671	Prigozhin F/Y 10 Instrument Development	01/01/2010	03/31/2014		0	0	0	0	0	19,194	5,744	13,449	6921671

Supervisor Total: 0 0 0 0 0 19,194 5,744 13,449

Supervisor: Remillard /Ronald A

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6924105	AST-11091 52	NSF	6924105	Investigations Of Black Holes, Neutron S	07/01/2011	06/30/2013		-120	-43	-1	-103	-267	229,927	229,927	0	6924105

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6925397	GO1-12058 B	Smithsonian Inst. - Astrophysical Observatory	6925397	A Long Multiwavelength Study Of Grs 1915	06/25/2011	06/24/2013		277	99	3	236	615	9,857	9,857	-0	6925397
Supervisor Total:								157	56	1	134	348	239,783	239,783	0	

Supervisor: Richardson /John D

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6899758	1283622	CalTech - Jet Propulsion Lab	6899758	Voyager Interstellar Mission (Vim) Plasm	06/01/2006	09/30/2017	0	126,356	46,120	18,452	97,575	288,503	2,948,085	2,722,789	225,296	6899758
6927059	SV3-83001	Smithsonian Inst. - Astrophysical Observatory	6927059	Mit Participation In Phase C/D Activitie	09/01/2012	06/30/2014		16,517	6,264	252	18,507	41,539	147,416	71,233	76,183	6927059
6927060	111556	Applied Physics Lab of Johns Hopkins	6927060	Are Saturn Tori Variable?	03/31/2012	03/31/2015		22,383	8,170	3,450	17,681	51,685	105,966	62,653	43,313	6927060
Supervisor Total:							0	165,256	60,553	22,155	133,763	381,727	3,201,467	2,856,674	344,792	

Supervisor: Ricker /George R

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6924662	NNX11AQ2 1A	NASA - Goddard Space Flight Center	6924662	Mit Participation In The Station Experim	09/01/2011	05/31/2014	0	283,917	103,230	203,907	259,285	850,339	1,502,149	1,496,518	5,631	6924662
6924861	NNG12FG0 9C	NASA - Goddard Space Flight Center	6924861	Transiting Exoplanet Survey Satellite (T	10/14/2011	05/17/2013	0	35	13	2,122	305	2,474	267,563	267,563	-0	6924861
6926645	SV2-82023	Smithsonian Inst. - Astrophysical Observatory	6926645	Acis Science Support For The Chandra Pro	10/01/2012	09/30/2014		170,631	62,280	29,290	133,373	395,574	900,000	676,879	223,121	6926645

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6927906	NNG14FC03C	NASA - Goddard Space Flight Center	6926694	Tess Bridge Preaward	05/22/2013	11/17/2013		27,124	8,893	161,754	51,170	248,940	1,252,348	344,357	907,991	6926694
6927906	NNG14FC03C	NASA - Goddard Space Flight Center	6927906	Transiting Exoplanet Survey Satellite	05/22/2013	07/31/2014						0	3,293,902	0	3,293,902	6927906
6927906	NNG14FC03C	NASA - Goddard Space Flight Center	6928070	Tess Bridge Preaward Pi Science	05/22/2013	11/17/2013	1,365	118,867	43,387	6,857	88,173	258,649	0	258,649	-258,649	6928070
6927906	NNG14FC03C	NASA - Goddard Space Flight Center	6928071	Tess Bridge Preaward Payload Management	05/22/2013	11/17/2013		55,121	20,119	4,999	41,768	122,008	0	122,008	-122,008	6928071
6927906	NNG14FC03C	NASA - Goddard Space Flight Center	6928072	Tess Bridge Preaward Payload Engineering	05/22/2013	11/17/2013		74,315	27,125	4,219	55,033	160,691	0	160,691	-160,691	6928072
6927906	NNG14FC03C	NASA - Goddard Space Flight Center	6928950	Tess Bridge-4.1 Pi Science	05/22/2013	07/31/2014	20,577	143,076	51,110	26,724	112,513	354,001	0	354,001	-354,001	6928950
6927906	NNG14FC03C	NASA - Goddard Space Flight Center	6928951	Tess Bridge-4.2.1 Mit Co-I Science	05/22/2013	07/31/2014		78,183	28,537	613	55,956	163,290	0	163,290	-163,290	6928951
6927906	NNG14FC03C	NASA - Goddard Space Flight Center	6928952	Tess Bridge-4.2.4 Other Co-I Science	05/22/2013	07/31/2014		888	324	47,543	6,720	55,475	0	55,475	-55,475	6928952
6927906	NNG14FC03C	NASA - Goddard Space Flight Center	6928960	Tess Bridge-5.1.1 Payload Management	05/22/2013	07/31/2014		137,320	50,122	23,304	102,615	313,360	0	313,360	-313,360	6928960
6927906	NNG14FC03C	NASA - Goddard Space Flight Center	6928961	Tess Bridge-5.1.2 Systems Engineering	05/22/2013	07/31/2014		163,674	59,741	13,703	123,444	360,562	0	360,562	-360,562	6928961
6927906	NNG14FC03C	NASA - Goddard Space Flight Center	6928962	Tess Bridge-5.1.3 Discipline Engineering	05/22/2013	07/31/2014		39,850	14,545	8,473	32,662	95,531	0	95,531	-95,531	6928962

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6927906	NNG14FC03C	NASA - Goddard Space Flight Center	6928963	Tess Bridge-5.1.4 Quality Assurance	05/22/2013	07/31/2014		738	270	91,859	5,588	98,454	0	98,454	-98,454	6928963
6927906	NNG14FC03C	NASA - Goddard Space Flight Center	6928965	Tess Bridge-5.2.1.1 Focal Plane Module &	05/22/2013	07/31/2014		73,112	26,656	224,349	108,401	432,518	0	432,518	-432,518	6928965
6927906	NNG14FC03C	NASA - Goddard Space Flight Center	6928966	Tess Bridge-5.2.1.2 Optical Assembly	05/22/2013	07/31/2014		19,684	7,185	9,862	19,013	55,744	0	55,744	-55,744	6928966
6927906	NNG14FC03C	NASA - Goddard Space Flight Center	6928968	Tess Bridge-5.3 Data Handling Unit	05/22/2013	07/31/2014				0		0	0	0	0	6928968
6927906	NNG14FC03C	NASA - Goddard Space Flight Center	6928969	Tess Bridge-5.3.1.1 Data Handling Unit -	05/22/2013	06/30/2014				0		0	0	0	0	6928969
6927906	NNG14FC03C	NASA - Goddard Space Flight Center	6928971	Tess Bridge-5.3.2 Data Handling Unit - S	05/22/2013	06/30/2014		83,568	30,502	59,655	63,485	237,210	0	237,210	-237,210	6928971
6927906	NNG14FC03C	NASA - Goddard Space Flight Center	6928973	Tess Bridge-5.5 Payload Gs Equipment	05/22/2013	07/31/2014		712	260	11,000	5,391	17,363	0	17,363	-17,363	6928973
6927906	NNG14FC03C	NASA - Goddard Space Flight Center	6928975	Tess Bridge-9.3 Payload Ops. Hw & Sw	05/22/2013	07/31/2014		18,966	6,923	161	13,581	39,630	0	39,630	-39,630	6928975
6927906	NNG14FC03C	NASA - Goddard Space Flight Center	6928977	Tess Bridge-9.4.2 Science Anaysis Hardwa	05/22/2013	07/31/2014		962	351	49,974	7,280	58,567	0	58,567	-58,567	6928977
6927906	NNG14FC03C	NASA - Goddard Space Flight Center	6928978	Tess Bridge-9.4.3 Archive Hardware & Sof	05/22/2013	07/31/2014		1,317	481	17,795	9,965	29,557	0	29,557	-29,557	6928978
6929299	NNG14PJ13C	NASA - Goddard Space Flight Center	6929299	Neutron Star Composition Explorer (Nicer	03/01/2014	09/08/2016		180,098	65,068	119,850	155,665	520,680	2,580,000	520,680	2,059,320	6929299

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3978556	AGMT. DTD. 7/12/04	MIT - Internal	6915062	Ricker Instrument Development Fy 07	02/01/2007	01/31/2009		0	0	0	0	0	57,569	57,569	-0	6915062
3978556	AGMT. DTD. 7/12/04	MIT - Internal	6917356	Ricker Fy08-Instrument Development	02/01/2008	06/30/2009		0	0	0	0	0	21,717	21,717	-0	6917356

Supervisor Total: 21,941 1,672,15 607,119 1,118,01 1,451,38 4,870,61 9,875,248 6,237,890 3,637,358

Supervisor: Schattenburg /Mark L

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6921698	NNX10AF59 G	NASA - Goddard Space Flight Center	6921698	Development Of High-Resolution Lightweig	03/01/2010	02/28/2014	19,480	147,057	53,676	46,885	157,071	424,168	1,871,389	1,871,389	0	6921698
6921698	NNX10AF59 G	NASA - Goddard Space Flight Center	6921777	Fabricated Equipment - Upgraded Mirror S	03/01/2010	02/28/2014				12,010		12,010	186,317	186,317	0	6921777
6923683	NNX11AF30 G	NASA - Goddard Space Flight Center	6923683	Development Of A Critical-Angle Transmis	03/01/2011	02/28/2015	9,829	66,255	24,183	177,215	163,812	441,293	1,706,681	1,873,026	-166,345	6923683
6923683	NNX11AF30 G	NASA - Goddard Space Flight Center	6925196	Fab Eq - Upgraded Nanoruler	03/01/2011	02/28/2015				53,168		53,168	75,000	91,616	-16,616	6925196
6923683	NNX11AF30 G	NASA - Goddard Space Flight Center	6925210	Fab Eq - Stray Light Test Facility Grati	03/01/2011	02/28/2015				0		0	9,619	5,751	3,868	6925210
6923683	NNX11AF30 G	NASA - Goddard Space Flight Center	6926914	Fab Eq - Hydrogen Panel For Reactive-Ion	03/01/2011	02/28/2015				0		0	10,050	9,549	501	6926914
6923683	NNX11AF30 G	NASA - Goddard Space Flight Center	6927654	Fab Eq - Plasma Therm 770 Reactive Ion E	09/01/2012	02/28/2015				3,996		3,996	6,000	9,119	-3,119	6927654

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6923683	NNX11AF30G	NASA - Goddard Space Flight Center	6928822	Fab-E Laser Alignment System	09/01/2012	02/28/2015				4,436		4,436	4,150	4,436	-286	6928822
6923683	NNX11AF30G	NASA - Goddard Space Flight Center	6929752	Fab Eq: Semtech Sem Upgrade	04/01/2014	02/28/2015				700		700	33,700	700	33,000	6929752
6923683	NNX11AF30G	NASA - Goddard Space Flight Center	6930103	Fab Equipment: Scanning Beam Interferenc	09/01/2012	02/28/2015				1,828		1,828	20,000	1,828	18,172	6930103
6925722	NNX12AF21G	NASA - Goddard Space Flight Center	6925722	Development Of Fabrication Process For C	01/27/2012	01/26/2015	47,845	136,190	49,709	515,549	145,529	894,822	1,482,046	985,714	496,332	6925722
6925722	NNX12AF21G	NASA - Goddard Space Flight Center	6928726	Fabricated Equipment - Spts Pegasus Tool	08/01/2013	01/26/2015				57,733		57,733	67,000	57,733	9,267	6928726
6929731	NNX14AE76G	NASA - Goddard Space Flight Center	6929731	Research Opportunities In Space And Eart	04/01/2014	03/31/2015	6,915	24,790	9,048	7,604	22,346	70,704	140,874	70,704	70,170	6929731
6929731	NNX14AE76G	NASA - Goddard Space Flight Center	6929866	Fabricated Equipment: Ion Implantation W	04/01/2014	03/31/2015				749		749	34,200	749	33,451	6929866
6929731	NNX14AE76G	NASA - Goddard Space Flight Center	6929867	Fabricated Equipment: Glass Slumping Too	04/01/2014	03/31/2015				899		899	49,800	899	48,901	6929867

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3978556	AGMT. DTD. 7/12/04	MIT - Internal	6919511	Schattenburg Fy09-Instrument Development	01/25/2009	02/28/2011	0	0	0	0	0	0	48,535	48,535	0	6919511
3978556	AGMT. DTD. 7/12/04	MIT - Internal Cost Sharing	6897443	Instrument Development - Schattenburg	02/01/2005	06/30/2006		0	0	0	0	0	5,293	5,293	-0	6897443

Supervisor Total:

84,069 374,291 136,616 882,771 488,759 1,966,501 5,750,655 5,223,358 527,296

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Supervisor: Schechter /Paul L

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6929649	HST-AR-13 238.04-A	Space Telescope Science Institute	6929649	Resolving Galaxy Cluster Substructure Wi	10/01/2013	09/30/2016						0	23,936	0	23,936	6929649
Supervisor Total:												0	23,936	0	23,936	

Supervisor: Schulz /Norbert S

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6921249	GO9-0018X	Smithsonian Inst. - Astrophysical Observatory	6921249	The True Nature Of Hd 110432: The Most E	11/24/2009	11/23/2013		213	78	441	456	1,188	72,070	72,070	0	6921249
6923398	GO1-12018 X	Smithsonian Inst. - Astrophysical Observatory	6923398	Magnetic Activity In Very Young O-Stars	10/06/2010	12/31/2013		2,130	778	8,532	7,045	18,485	44,221	44,221	-0	6923398
6929558	G04-15007 X	Smithsonian Inst. - Astrophysical Observatory	6929558	The Eye Of The Hurricane. Exploring The	02/04/2014	02/03/2016						0	26,099	0	26,099	6929558
Supervisor Total:								2,343	855	8,973	7,501	19,673	142,390	116,291	26,099	

Supervisor: Seager /Sara

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3978556	AGMT. DTD. 7/12/04	MIT - Internal	6919506	Seager Fy09-Instrument Development	01/25/2009	12/31/2012		0	0	0	0	0	55,001	55,001	0	6919506
3978556	AGMT. DTD. 7/12/04	MIT - Internal	6921672	Seager F/Y 10 Instrument Development	01/01/2010	12/31/2012		0		0		0	41,537	41,537	-0	6921672
3978556	AGMT. DTD. 7/12/04	MIT - Internal	6923501	Seager Fy11 Instrument Development	03/01/2011	12/31/2013		0	0	17,518	0	17,518	25,254	25,254	-0	6923501
Supervisor Total:								0	0	17,518	0	17,518	121,792	121,792	-0	

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Supervisor: Shoemaker /David H

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6917530	SUBAWAR D NO. 75ADV-108 5563	California Institute of Technology	6917530	Advanced Ligo	04/01/2008	03/31/2015						0	9,186,947	0	9,186,947	6917530
6917530	SUBAWAR D NO. 75ADV-108 5563	California Institute of Technology	6917531	C.O.40.M.Laa Core Optics - Salaries And	04/01/2008	03/31/2015		0	0	0	0	0	0	74,901	-74,901	6917531
6917530	SUBAWAR D NO. 75ADV-108 5563	California Institute of Technology	6917533	Fm.40.M.Laa Facilities Modifications - S	04/01/2008	03/31/2015		0	0	0	0	0	0	82,522	-82,522	6917533
6917530	SUBAWAR D NO. 75ADV-108 5563	California Institute of Technology	6917535	Project Management - Salaries And Wages	04/01/2008	03/31/2015		119,252	41,556	0	101,723	262,530	0	2,296,747	-2,296,747	6917535
6917530	SUBAWAR D NO. 75ADV-108 5563	California Institute of Technology	6917537	System Engineering - Salaries And Wages	04/01/2008	03/31/2015		29,719	10,847	0	25,685	66,251	0	885,051	-885,051	6917537
6917530	SUBAWAR D NO. 75ADV-108 5563	California Institute of Technology	6917538	Systems Engineering - Other	04/01/2008	03/31/2015		0	0		0	0	0	-0	0	6917538
6917530	SUBAWAR D NO. 75ADV-108 5563	California Institute of Technology	6917539	Si.12.M.Laa Seismic Lead - Salaries And	04/01/2008	03/31/2015		13,026	4,755	0	11,258	29,039	0	738,708	-738,708	6917539
6917530	SUBAWAR D NO. 75ADV-108 5563	California Institute of Technology	6917541	Seismic Fabrication - Salaries And Wages	04/01/2008	03/31/2015		7,138	2,605	0	6,169	15,912	0	1,888,736	-1,888,736	6917541
6917530	SUBAWAR D NO. 75ADV-108 5563	California Institute of Technology	6917543	Ao.40.C.Laa Auxiliary Optics Systems	04/01/2008	03/31/2015		0	0	0	0	0	0	65,116	-65,116	6917543
6917530	SUBAWAR D NO. 75ADV-108 5563	California Institute of Technology	6917545	Suspensions Fabrication - Salaries And W	04/01/2008	03/31/2015		0	0	0	0	0	0	224,070	-224,070	6917545

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6917530	SUBAWAR D NO. 75ADV-108 5563	California Institute of Technology	6919000	Advanced Ligo Coc Management (Core Optic	04/01/2008	03/31/2015		0	0	0	0	0	0	0	-0	6919000
6917530	SUBAWAR D NO. 75ADV-108 5563	California Institute of Technology	6922385	Interferometer Sensing And Control Fabri	04/01/2008	03/31/2015		9,213	3,363	0	7,962	20,538	0	604,783	-604,783	6922385
6917530	SUBAWAR D NO. 75ADV-108 5563	California Institute of Technology	6922568	Is.12.M.Laa Isc Subsystem Management - S	04/01/2008	03/31/2015		7,130	2,603	0	6,162	15,895	0	257,159	-257,159	6922568
6917530	SUBAWAR D NO. 75ADV-108 5563	California Institute of Technology	6922569	In.10.M.Laa Installation Mgmt Mit	04/01/2008	03/31/2015		103,840	37,901	0	89,743	231,484	0	430,883	-430,883	6922569
6917530	SUBAWAR D NO. 75ADV-108 5563	California Institute of Technology	6922570	In.20.M.Laa Installation Technical Sup	04/01/2008	03/31/2015		106,438	38,568	0	91,796	236,801	0	732,198	-732,198	6922570
6917530	SUBAWAR D NO. 75ADV-108 5563	California Institute of Technology	6922571	Da.40.C.Laa Daq Fabrication Labor	04/01/2008	03/31/2015		0	0	0	0	0	0	20,303	-20,303	6922571
6917530	SUBAWAR D NO. 75ADV-108 5563	California Institute of Technology	6926229	Advlgo 1.1.5 Ligo India (Cit).	04/01/2008	03/31/2015		0	0	0		0	0	0	-0	6926229
6917530	SUBAWAR D NO. 75ADV-108 5563	California Institute of Technology	6927157	Pm.15.M.Laa H2 Storage Labor Mit	04/01/2008	03/31/2015		2,076	758	0	1,794	4,627	0	18,824	-18,824	6927157
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6918881	Ligo Operations	10/01/2008	09/30/2018						0	17,289,452	0	17,289,452	6918881
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6918882	Ligo Operations: Detector Alignment Desi	10/01/2008	09/30/2018	42,122	76,121	27,784	12,969	91,736	250,732	0	3,123,423	-3,123,423	6918882
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6918883	Ligo Operations: Detector Length Control	10/01/2008	09/30/2018		12,006	4,382	0	10,376	26,764	0	1,379,071	-1,379,071	6918883

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6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6918884	Ligo Operations: Laboratory Operations	10/01/2008	09/30/2018	0	30,391	11,093	173,515	74,835	289,835	0	2,494,908	-2,494,908	6918884
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6918885	Ligo Operations:Project Management	10/01/2008	09/30/2018		61,479	17,680	0	49,896	129,055	0	820,909	-820,909	6918885
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6918886	Ligo Operations: Project Administration	10/01/2008	09/30/2018		14,604	5,331	11,830	19,909	51,674	0	596,696	-596,696	6918886
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6918887	Ligo Operations: General Computing Supp	10/01/2008	09/30/2018	10,916	83,727	30,560	35,619	96,492	257,315	0	3,758,141	-3,758,141	6918887
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6918889	Ligo Operations: Stochastic Forces S&W	10/01/2008	09/30/2018	0	18,808	5,314	3,546	17,384	45,051	0	1,859,147	-1,859,147	6918889
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6918890	Ligo Operations: Fabrication - Adaptive	10/01/2008	09/30/2018				0		0	6,500	8,063	-1,563	6918890
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6918891	Ligo Operations: Adaptive Optics S&W	10/01/2008	09/30/2018		0	0	0	0	0	0	15	-15	6918891
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6923033	Ligo Ops Fabe Suspended Instrument Platf	10/01/2008	09/30/2018				11,969		11,969	6,000	24,931	-18,931	6923033
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6923034	Ligo Ops Fabe I/O Expansion Chassis	10/01/2008	09/30/2018				0		0	66,000	69,185	-3,185	6923034
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6925472	Ligo Ops Filter Cavity	10/01/2008	09/30/2018				51,985		51,985	225,100	187,700	37,400	6925472
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6926807	Ligo Ops 1.1.5 Ligo India (Cit)	10/01/2008	09/30/2018		5,458	1,664	0	4,493	11,615	0	55,213	-55,213	6926807
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6928016	Fabricated Equipment - Thermal Noise	10/01/2008	09/30/2018				91,506		91,506	174,250	91,506	82,744	6928016
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6929469	Ligo Ops Project Administration	10/01/2008	09/30/2018		989	361	13,364	9,088	23,802	0	23,802	-23,802	6929469
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6929470	Ligo Operations: Salaries - Staff And Fa	10/01/2008	09/30/2018		538,079	193,469		463,040	1,194,588	0	1,194,588	-1,194,588	6929470

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6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6929471	Ligo Operations: Salaries - Post Doctora	10/01/2008	09/30/2018		211,128	77,062		182,466	470,656	0	470,656	-470,656	6929471
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6929472	Ligo Operations: Salaries - Graduate Stu	10/01/2008	09/30/2018	136,423	10,095	3,685	112,174	92,768	355,144	0	355,144	-355,144	6929472
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6929473	Ligo Operations: Salaries - Short Term -	10/01/2008	09/30/2018		115	42	1,558	1,059	2,774	0	2,774	-2,774	6929473
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6929474	Ligo Operations: General Computing Suppo	10/01/2008	09/30/2018		1,223	446	31,415	11,236	44,320	0	44,320	-44,320	6929474
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6929475	Ligo Operations: Travel	10/01/2008	09/30/2018		2,677	977	36,172	24,597	64,423	0	64,423	-64,423	6929475
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6929476	Ligo Operations: Visitors	10/01/2008	09/30/2018		219	80	2,961	2,014	5,274	0	5,274	-5,274	6929476
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6929477	Ligo Operations: Laboratory Equipment	10/01/2008	09/30/2018		873	319	11,797	8,022	21,011	0	21,011	-21,011	6929477
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6929478	Ligo Operations: Lasti Hardware	10/01/2008	09/30/2018		199	73	2,685	1,826	4,782	0	4,782	-4,782	6929478
6918881	SUBAWAR D NO. 75-1086390	California Institute of Technology	6929479	Ligo Operations: Materials And Services	10/01/2008	09/30/2018		80	29	1,391	732	2,231	0	2,231	-2,231	6929479
Supervisor Total:							189,461	1,466,10	523,305	606,458	1,504,26	4,289,58	26,954,249	24,977,913	1,976,337	

Supervisor: Simcoe /Robert A

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6924303	AST-11091 15	NSF	6924303	Feedback From The First Stars: Chemical	08/01/2011	07/31/2014	38,315	16,874	5,168	49,973	44,629	154,959	413,711	342,811	70,900	6924303
6928928	HST-GO-13 303.01-A	Space Telescope Science Institute	6928928	The Structure Of MglI Absorbing Galaxies	10/01/2013	09/30/2016	2,838	210	77		1,589	4,714	74,209	4,714	69,495	6928928

P159601 Mki Endowed

**Primary and Secondary Volume Report by Supervisor
Department: Kavli Inst for Astrophysics & Space Rsrh
Fiscal Period 201412**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978556	AGMT. DTD. 7/12/04	MIT - Internal	6915060	Simcoe Instrument Development Fy07	02/01/2007	01/31/2009			0		0	0	0	0	0	6915060
3978556	AGMT. DTD. 7/12/04	MIT - Internal	6915727	Fab E Benchtop Optical Testing Apparatus	05/01/2007	01/31/2009				0	0	0	21,203	21,203	0	6915727
3978556	AGMT. DTD. 7/12/04	MIT - Internal	6925349	2012 Kavli Investment Fund Award	01/01/2012	08/31/2014		114	42	4,100	0	4,256	33,600	33,311	289	6925349
3978556	AGMT. DTD. 7/12/04	MIT - Internal	6927175	2013 Kavli Investment Fund Award	01/01/2013	08/31/2014		570	208	12,159	0	12,937	15,232	12,937	2,295	6927175

Supervisor Total: 41,153 17,768 5,495 66,232 46,219 176,866 557,955 414,977 142,978

Supervisor: Tegmark /Max Erik

P159600 Kavli Inst For Astrophysics & Space Rsrh

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6924484	AST-11058 35	NSF	6924484	Miteor: A Hera Pathfinder Instrument For	09/01/2011	08/31/2014	41,153	71,893	20,728	35,423	82,075	251,272	513,544	435,776	77,768	6924484
6924484	AST-11058 35	NSF	6924749	Fab Eq -Hera Pathfinder Instrument For P	09/01/2011	08/31/2014				14,297		14,297	86,452	81,730	4,722	6924749

P159601 Mki Endowed

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
3978556	AGMT. DTD. 7/12/04	MIT - Internal	6919510	Tegmark Fy09-Instrument Development	01/25/2009	12/31/2013	0	0	0	-400	0	-400	33,799	33,799	-0	6919510
3978556	AGMT. DTD. 7/12/04	MIT - Internal	6921673	Tegmark F/Y 10 Instrument Development	01/01/2010	12/31/2013	0	0	0	400	0	400	45,100	45,100	0	6921673

Supervisor Total: 41,153 71,893 20,728 49,720 82,075 265,568 678,894 596,405 82,490

Supervisor: Weinberg /Nevin N.

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**Primary and Secondary Volume Report by Supervisor
Department: Kavli Inst for Astrophysics & Space Rsrh
Fiscal Period 201412**

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6929062	NNX14AB4 OG	NASA - Goddard Space Flight Center	6929062	Tidal Evolution Of Coalescing Compact Bi	01/01/2014	12/31/2016	10,998	5,594	797	7,908	8,909	34,206	100,000	34,206	65,794	6929062
Supervisor Total:							10,998	5,594	797	7,908	8,909	34,206	100,000	34,206	65,794	

Supervisor: Winn /Joshua Nathan

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6923868	NNX11AG8 5G	NASA - Goddard Space Flight Center	6923868	Exoplanetary Spin-Orbit Angles	03/28/2011	03/27/2015	23,170	3,118	1,138	54,117	19,170	100,713	705,762	525,073	180,689	6923868
6924213	AST-11085 95	NSF	6924213	Spin-Orbit Alignment In Binary Stars	08/01/2011	07/31/2014	2,729	36,118	13,183	14,304	35,439	101,772	327,793	326,910	883	6924213
6925433	NNX12AC7 6G	NASA - Goddard Space Flight Center	6925433	Obliquities Of Kepler Stars: Clues To PI	01/01/2012	12/31/2014	1,673	16,461	4,752	56,573	28,006	107,466	200,928	166,804	34,124	6925433
6929298	RSA 1499620	CalTech - Jet Propulsion Lab	6929298	Measuring The Masses Of The Shortest-Per	03/03/2014	09/30/2015	158	95	35	6,361	721	7,371	15,750	7,371	8,379	6929298
Supervisor Total:							27,730	55,793	19,108	131,355	83,337	317,322	1,250,233	1,026,158	224,075	

Supervisor: Zuber /Maria

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<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id_2</u>	<u>Project Wbs Name_2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpended Balance</u>	<u>Project Wbs Id</u>
6918267	NNX08AX1 5G	NASA - Goddard Space Flight Center	6918267	A Search For Extra-Terrestrial Genomes (09/01/2008	08/31/2014		21,230	5,337	12,778	12,071	51,416	1,158,587	1,154,475	4,112	6918267
6918267	NNX08AX1 5G	NASA - Goddard Space Flight Center	6922419	Fab Eq - Upgraded Portable Instrument	09/01/2008	08/31/2013				0		0	15,602	15,602	0	6922419
Supervisor Total:								21,230	5,337	12,778	12,071	51,416	1,174,189	1,170,077	4,112	

**Primary and Secondary Volume Report by Supervisor
Department: Kavli Inst for Astrophysics & Space Rsrh
Fiscal Period 201412**

Primary Volume Total	594,720	6,062,462	2,153,809	3,605,908	5,890,040	18,306,939	106,160,532	94,153,928	12,006,604
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Secondary Volume

Supervisor: Bautz /Marshall W

P799018 Lincon: Subawards From Campus

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpend ed Balance</u>	<u>Project Wbs Id</u>
6925951	NNX12AF22 G	NASA - Goddard Space Flight Center	6930046	Ddbf-Lincoln Lab	05/21/2014	06/30/2014						0	30,000	0	30,000	6930046

Supervisor Total:

0	30,000	0	30,000
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Supervisor: Ricker /George R

P799018 Lincon: Subawards From Campus

<u>Master Project Number</u>	<u>Government Contract Number</u>	<u>Sponsor Name</u>	<u>Project Wbs Id 2</u>	<u>Project Wbs Name 2</u>	<u>Project Wbs Effective Date</u>	<u>Project Wbs Expiration Date</u>	<u>Graduate Student Staff</u>	<u>Salaries</u>	<u>Employee Benefits</u>	<u>Operating Expenses</u>	<u>F&A Costs</u>	<u>Fytd Amount</u>	<u>Auth Total</u>	<u>Cumulative Amount</u>	<u>Unexpend ed Balance</u>	<u>Project Wbs Id</u>
6929299	NNG14PJ13 C	NASA - Goddard Space Flight Center	6929390	Nicer - Lincoln Lab	03/01/2014	09/08/2016		217		3,013		3,230	32,000	3,230	28,770	6929390

Supervisor Total:

217		3,013	3,230	32,000	3,230	28,770
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Secondary Volume Total

217		3,013	3,230	62,000	3,230	58,770
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Primary and Secondary Volume Total

594,720	6,062,679	2,153,809	3,608,921	5,890,040	18,310,169	106,222,532	94,157,158	12,065,374
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