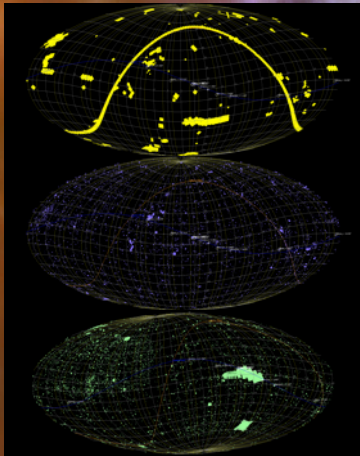


Herschel Overview Status



The screenshot shows the Herschel query interface with the following panels:

- Main Query Panel:** Includes fields for Observation ID, Obs. Lat, and Proprietary Status.
- Common Panel:** Includes Target (Multiple Target), Search (Kepler Name, Circle, Box), Equatorial, Galactic, and Edge/Radius options.
- Instrument Query Panel:** Includes Instrument (SPIRE, PACS, HIFI), Obs. Type, and Standard Data (PACS, SPIRE, HIFI) selection.
- Proposal Query Panel:** Includes Proposal ID and Proposal Name.
- Timing Constraints Query Panel:** Includes Timing Constraints.
- User Provided Data Products Panel (UPDP):** Includes User Provided Data Products.

Göran Pilbratt, Herschel Project Scientist
HUG#9 meeting, ESAC, 18-19 June 2015

HUG#9 – status & overview



- Overall status
- A few milestones
- Publications
 - publishing evolution
 - journals
 - linking to AO's & (sub-)instruments
 - -> publishing timescales
- Key Performance Indicators
- HSA
- Communications & plans
- PS matters

Launch on 14 May 2009 ...

... EoHe in DTCP#1447 on 29 April 2013

... last telecommand on 17 June 2013

... since then in “parking” orbit

Post-operations phase until end of 2017

... ~60% of ICC POP time used

**... ~40% of HSC POP time used
and (much) more in resources!**



A few milestones since HUG#8

- 22-23 May 2014



'User events'



- *Herschel DP newcomer's workshop* – 24-27 June 2014
- HSA 6.0 release - ready for 'instrument advanced panels' – June 2014
- HCSS 12 bulk reprocessing July – November 2014
- *Star Formation Across Space and Time*, 11-14 November 2014
- HSA 6.1 with 'instrument advanced panels' – 26 February 2015
- *SOFIA workshop* – 15-18 March 2015
- HSA 6.2 with database evolution & ingestion of new instrument metadata in HCSS 13 bulk reprocessing – 9 April 2015
- HCSS 13/ HIPE 13 public release – 13 April 2015
- HST#56 – 13-14 April 2015
- *ALMA-Herschel workshop* – 15-17 April 2015
- HCSS 13 bulk reprocessing late April – late June 2015
- HCalSG#36 – 7-8 May 2015
- *Herschel DP newcomer's workshop* – 16-19 June 2015
- HUG#9 – 18-19 June 2015

HERSCHEL
SPACE
OBSERVATORY

Publications

**Statistics, Comparisons, Journals, Time
published (AOs, instruments, sub-instruments),
Archival research**

(Note: the link on the library name is a public link to this library)

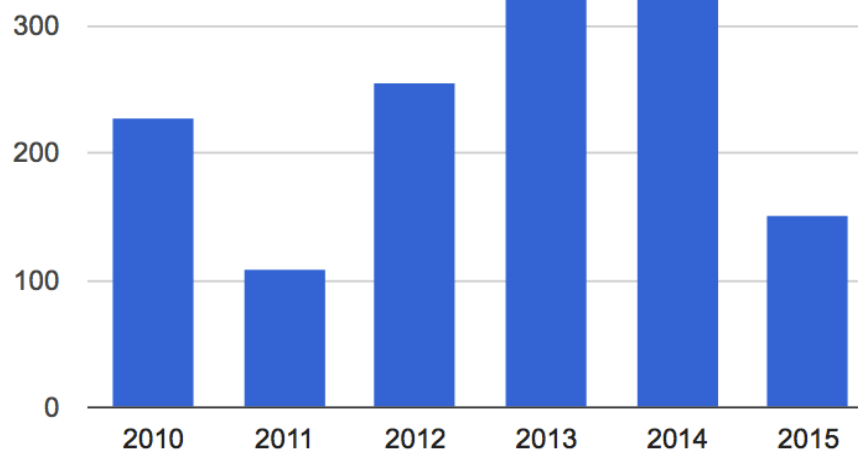
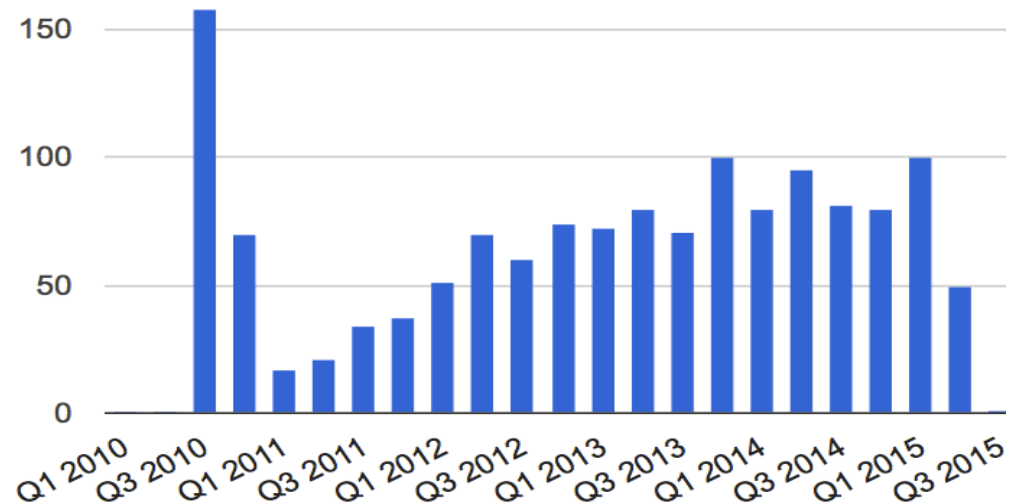
Selected and retrieved 1402 abstracts.

Sort options ▾

#	Bibcode Authors	Score Title	Date	List of Links Access Control Help
1	<input type="checkbox"/> 2015MNRAS.450.3458C Cichowolski, S.; Suad, L. A.; Pineault, S.; Noriega-Crespo, A.; Arnal, E. M.; Flagey, N.	1.000 The infrared and molecular environment surrounding the Wolf-Rayet star WR 130	07/2015	A Z E F X R U
2	<input type="checkbox"/> 2015MNRAS.450.1094P Pattle, K.; Ward-Thompson, D.; Kirk, J. M.; White, G. J.; Drabek-Maunder, E.; Buckle, J.; Beaulieu, S. F.; Berry, D. S.; Broekhoven-Fiene, H.; Currie, M. J.; and 52 coauthors	1.000 The JCMT Gould Belt Survey: first results from the SCUBA-2 observations of the Ophiuchus molecular cloud and a virial analysis of its prestellar core population	06/2015	A Z E F X D R C U
3	<input type="checkbox"/> 2015MNRAS.449.4476W Wang, Lingyu; Viero, Marco; Ross, Nicholas P.; Asboth, Viktoria; Béthermin, Matthieu; Bock, Jamie; Clements, Dave; Conley, Alex; Cooray, Asantha; Farrah, Duncan; and 12 coauthors	1.000 Co-evolution of black hole growth and star formation from a cross-correlation analysis between quasars and the cosmic infrared background	06/2015	A Z E F X D R U
4	<input type="checkbox"/> 2015MNRAS.449.3503D Davis, Timothy A.; Rowlands, Kate; Allison, James R.; Shabala, Stanislav S.; Ting, Yuan-Sen; Lagos, Claudia del P.; Kaviraj, Sugata; Bourne, Nathan; Dunne, Loretta; Eales, Steve; and 5 coauthors	1.000 Molecular and atomic gas in dust lane early-type galaxies - I. Low star formation efficiencies in minor merger remnants	06/2015	A Z E F X D R U
5	<input type="checkbox"/> 2015ApJ...805..140T Timmons, Nicholas; Cooray, Asantha; Nayyeri, Hooshang; Casey, Caitlin; Calanog, Jae; Ma, Brian; Messias, Hugo; Baes, Maarten; Bussmann, R. Shane; Dunne, Loretta; and 10 coauthors	1.000 Extinction and Nebular Line Properties of a Herschel-selected Lensed Dusty Starburst at $z = 1.027$	06/2015	A Z E F X R C U
6	<input type="checkbox"/> 2015ApJ...805...90T Tsai, Chao-Wei; Eisenhardt, Peter R. M.;	1.000 The Most Luminous Galaxies Discovered by WISE	06/2015	A Z E F X R C U

Time distribution of papers

– based on 1402 papers (4 June 2015)



HERSCHEL SPACE OBSERVATORY

(Note: the link on the library name is a public link to this library)

Selected and retrieved 1402 abstracts.

Sort options ⌵

#	Bibcode	Authors
1	2015MNRAS.450.3458C	Cichowolski, S.; Suad, L. A.; Pineault, S.; Noriega-Crespo, A.; Arnal, E. M.; Flagey, N.
2	2015MNRAS.450.1094P	Pattle, K.; Ward-Thompson, D.; Kirk, J. M.; White, G. J.; Drabek-Maunder, E.; Buckle, J.; Beaulieu, S. F.; Berry, D. S.; Broekhoven-Fiene, H.; Currie, M. J.; and 52 coauthors
3	2015MNRAS.449.4476W	Wang, Lingyu; Viero, Marco; Ross, Nicholas P. Asboth, Viktoria; Béthermin, Matthieu; Bock, Jamie; Clements, Dave; Conley, Alex; Cooray, Asantha; Farrah, Duncan; and 12 coauthors
4	2015MNRAS.449.3503D	Davis, Timothy A.; Rowlands, Kate; Allison, James R.; Shabala, Stanislav S.; Ting, Yuan-Sen; Lagos, Claudia del P.; Kaviraj, Sugata; Bourne, Nathan; Dunne, Loretta; Eales, Steve; and 5 coauthors
5	2015ApJ...805..140T	Timmons, Nicholas; Cooray, Asantha; Nayyeri, Hooshang; Casey, Caitlin; Calanog, Jae; Ma, Brian; Messias, Hugo; Baes, Maarten; Bussmann, R. Shane; Dunne, Loretta; and 10 coauthors

Annual & total numbers:

- 2010: 228 pubs, tot 228
- 2011: 109 pubs, tot 337
- 2012: 255 pubs, tot 592
- 2013: 323 pubs, tot 915
- 2014: 336 pubs, tot 1251
- 2015: 151 pubs, tot 1402

Remarks (*forgetting A&A Spec Issues):

- Feb 2015 new record month with 39 papers*
- Q1 2015 now at 100 papers
- => It all looks healthy
- Elbaz, André, Kennicutt, Rodhigiero, Molinari top cited astronomical papers (ADS)
- Total citations 32400/28200 (ADS)
- Herschel h-index is 74 (ADS)

Extinction and Nebular Line Properties of a Herschel-selected Lensed Dusty Starburst at $z = 1.027$

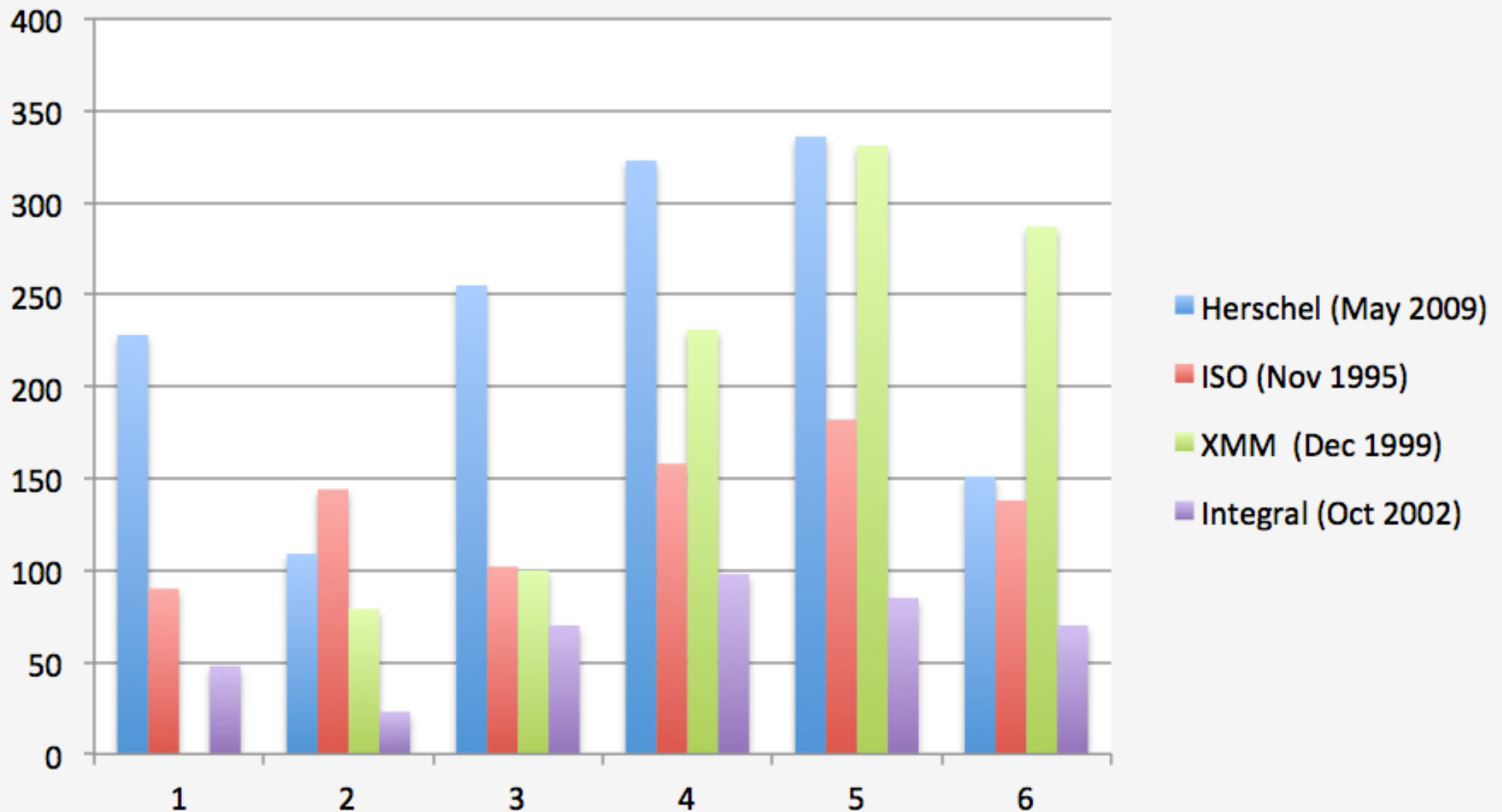
6	2015ApJ...805...90T	Tsai, Chao-Wei; Eisenhardt, Peter R. M.;
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1.000 06/2015 [A](#) [Z](#) [E](#) [F](#) [X](#) [R](#) [C](#) [U](#)
The Most Luminous Galaxies Discovered by WISE

#Pubs vs #calendar years after launch



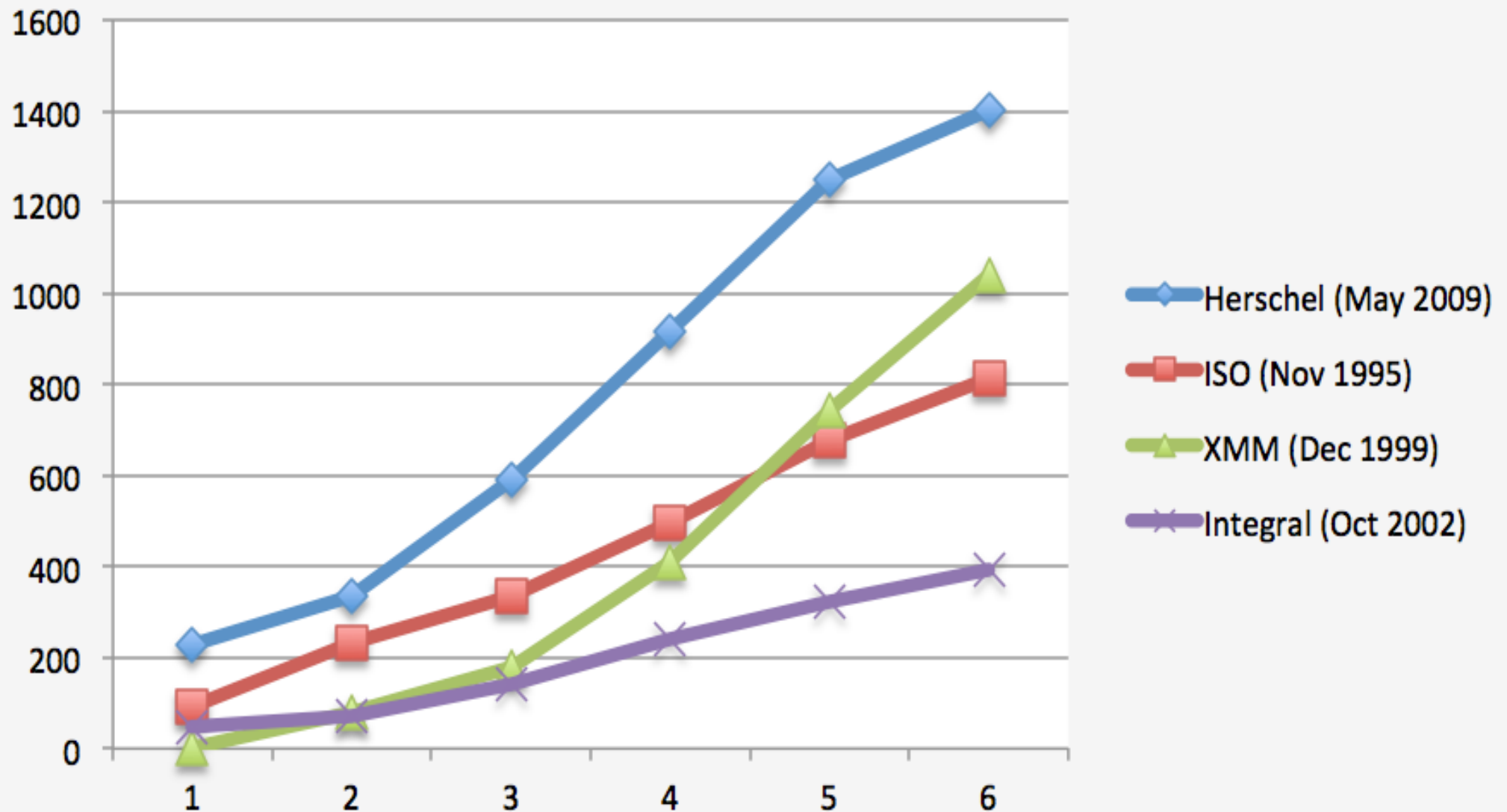
– based on 1402 papers (4 June 2015)



#Pubs vs #calendar years after launch



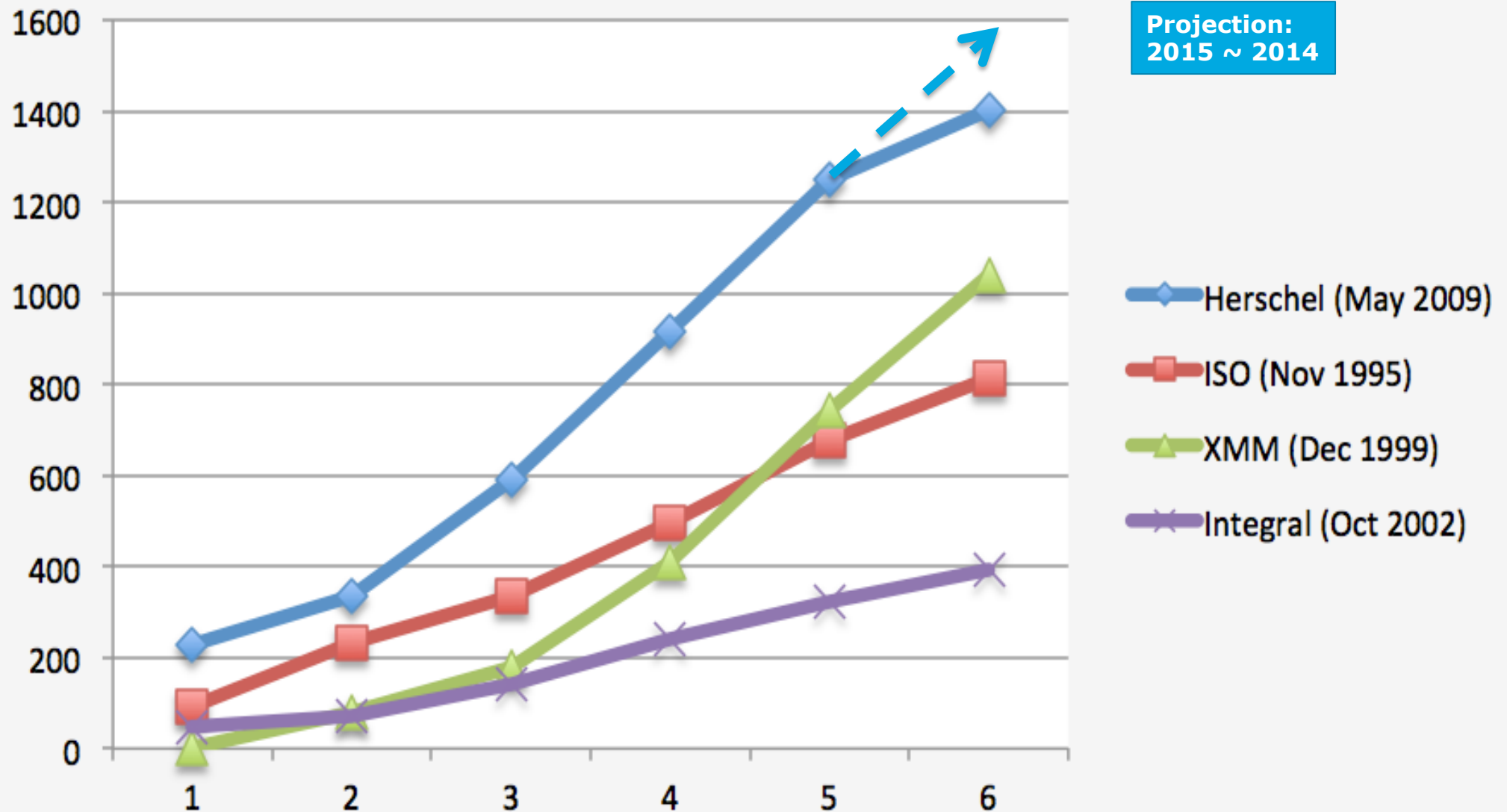
– based on 1402 papers (4 June 2015)



#Pubs vs #calendar years after launch

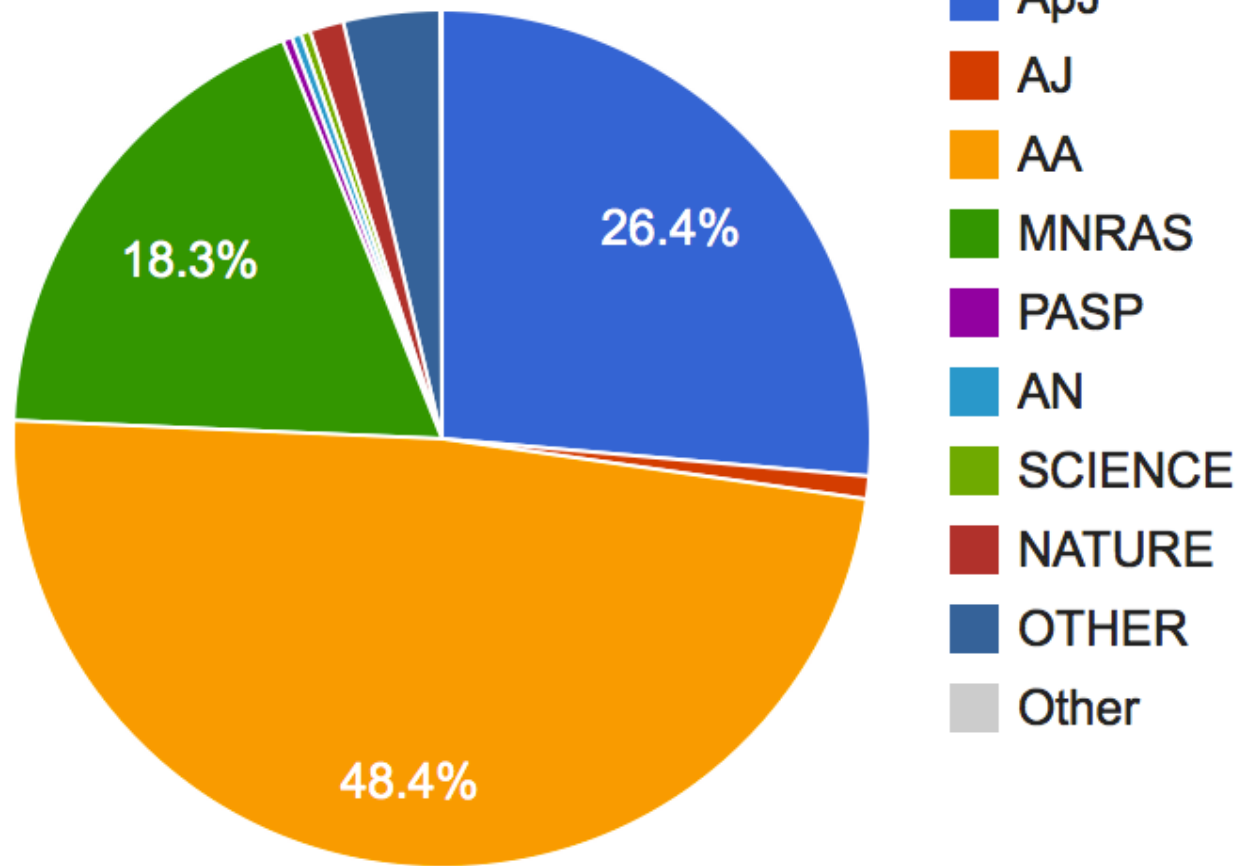


– based on 1402 papers (4 June 2015)



Journal distribution of papers

– based on 1402 papers (4 June 2015)



Some remarks:













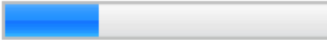

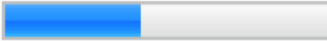


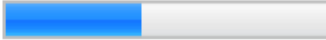
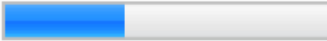
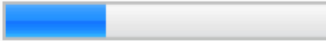

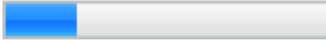
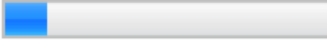
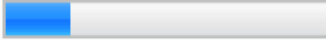
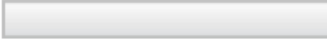
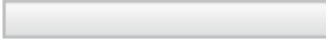
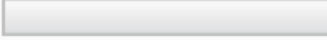
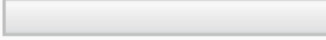
- Top 3: A&A, ApJ, MNRAS
- Number 4 is Nature with 18 papers (1.3%)
- Top 4 total repr 94.4%

HERSCHEL SPACE OBSERVATORY

OBSIDs linked to publ – 'AO's

- 12 June 2015



Name	Executed obs	Executed time (h)	Published obs	Published number %	Published time (h)	Published time %
SDP	544	565.31	486	 89.34	534.88	 94.62
KPOT	6412	5,067.37	5513	 85.98	4,160.24	 82.10
KPGT	7130	4,999.02	4205	 58.98	3,400.45	 68.02
GT1	1106	500.22	624	 56.42	305.34	 61.04
TOTAL	37160	21,813.23	16074	 43.26	11,067.20	 50.74
AOTVAL	55	25.06	28	 50.91	12.56	 50.11
GT2	457	346.50	115	 25.16	158.47	 45.73
TOO	208	34.65	78	 37.50	15.67	 45.24
DDT	656	274.21	317	 48.32	108.46	 39.55
OT1	11392	5,333.49	3723	 32.68	1,531.29	 28.71
Calibration	11696	4,389.90	4451	 38.06	897.97	 20.46
OT2	9110	4,608.96	985	 10.81	839.84	 18.22
OBS	90	58.45	0	 0.00	0.00	 0.00
						

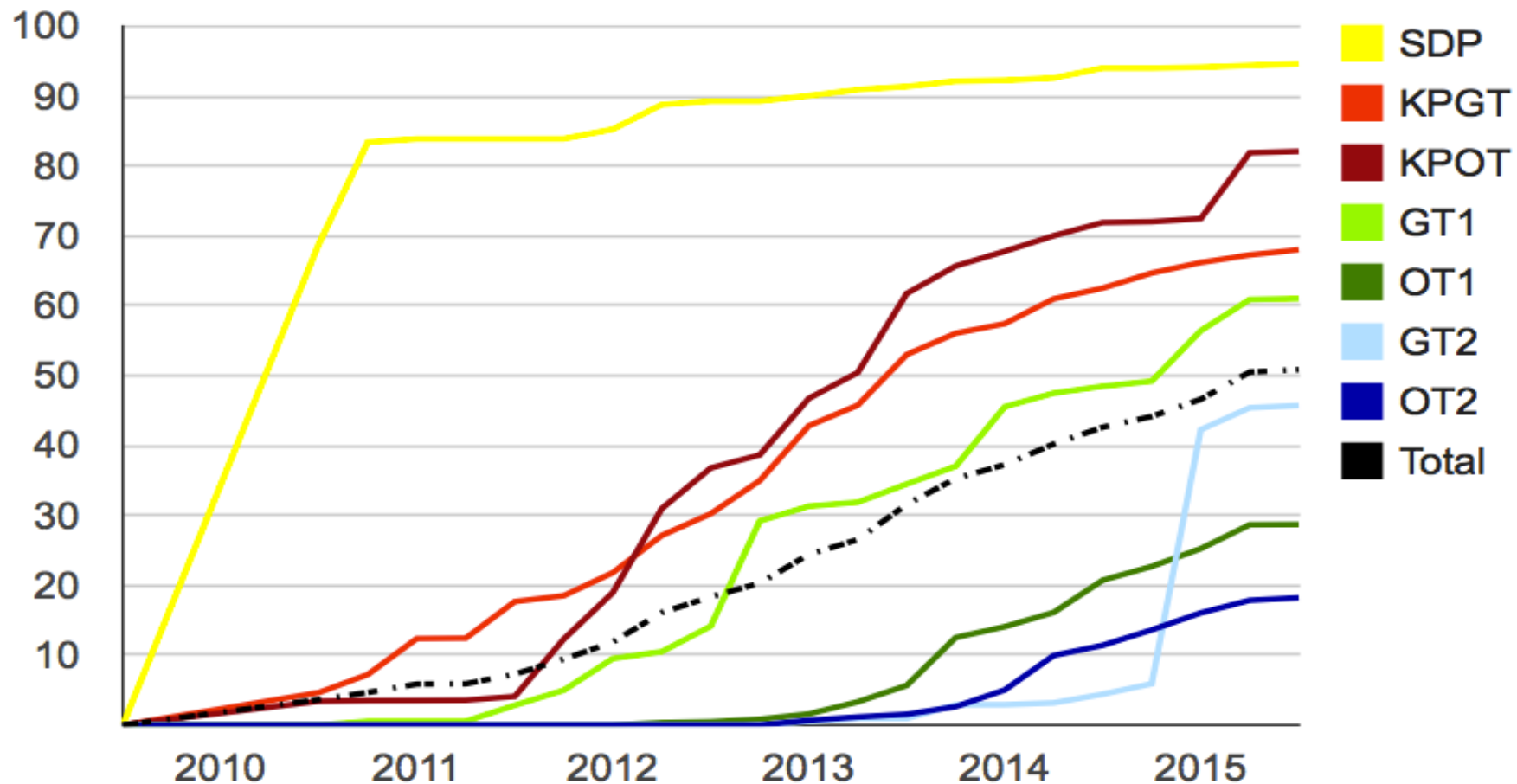
Publications evolution vs AOs

– based on 1382 pubs



HOTAC awarded time published – total >50%

- Pubs 'linked' to OBSIDs – add up the observing times of all 'linked' observations



- SDP obs Nov-Dec 2009, KP early 2010-, AO1 early 2011-, AO2 early 2012-

HERSCHEL SPACE OBSERVATORY

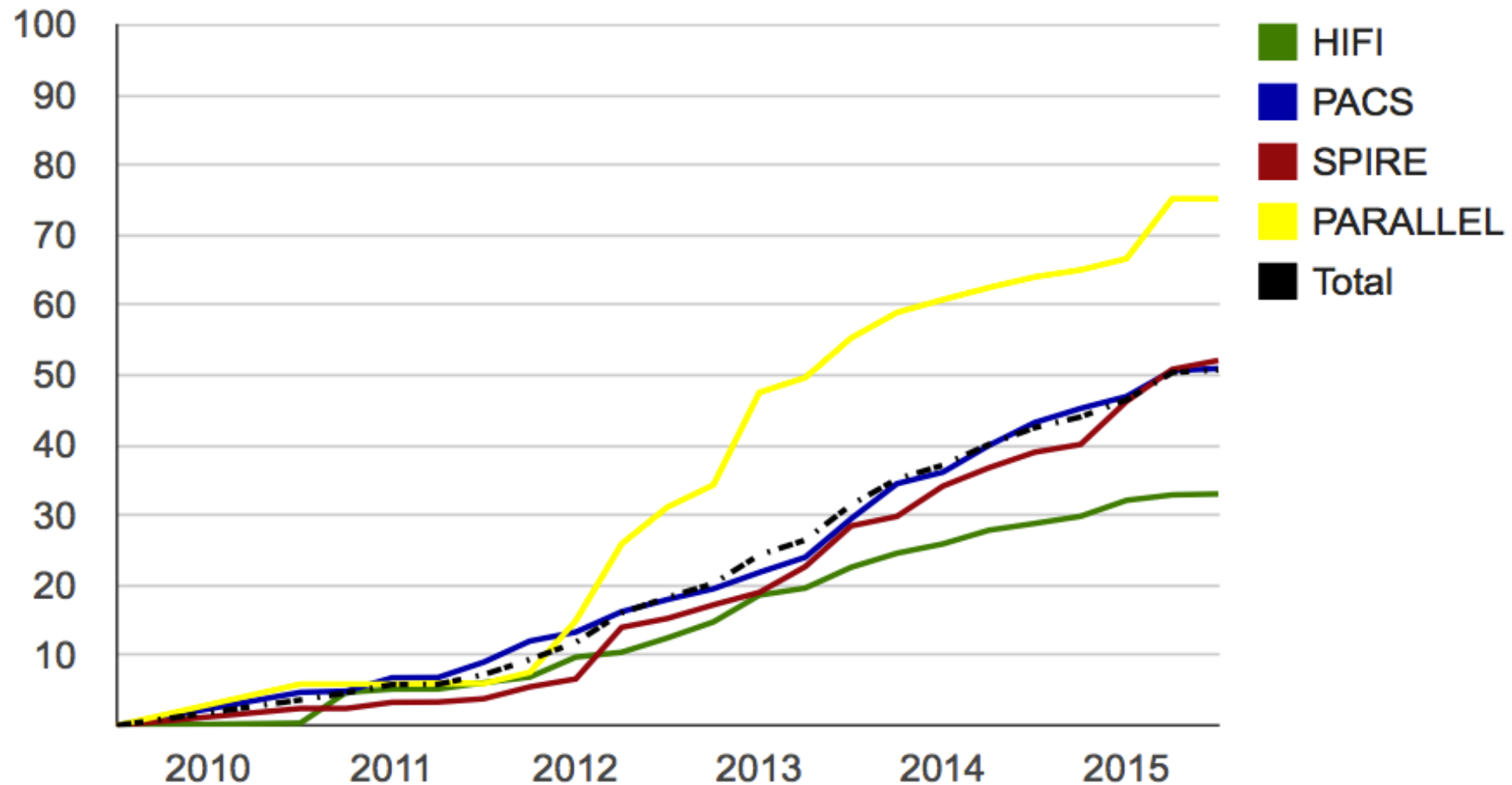
Publications evolution vs instruments

– based on 1382 pubs



HOTAC awarded time published – total >50%

- Pubs 'linked' to OBSIDs – add up the observing times of all 'linked' observations



- SDP obs Nov-Dec 2009, KP early 2010-, AO1 early 2011-, AO2 early 2012-

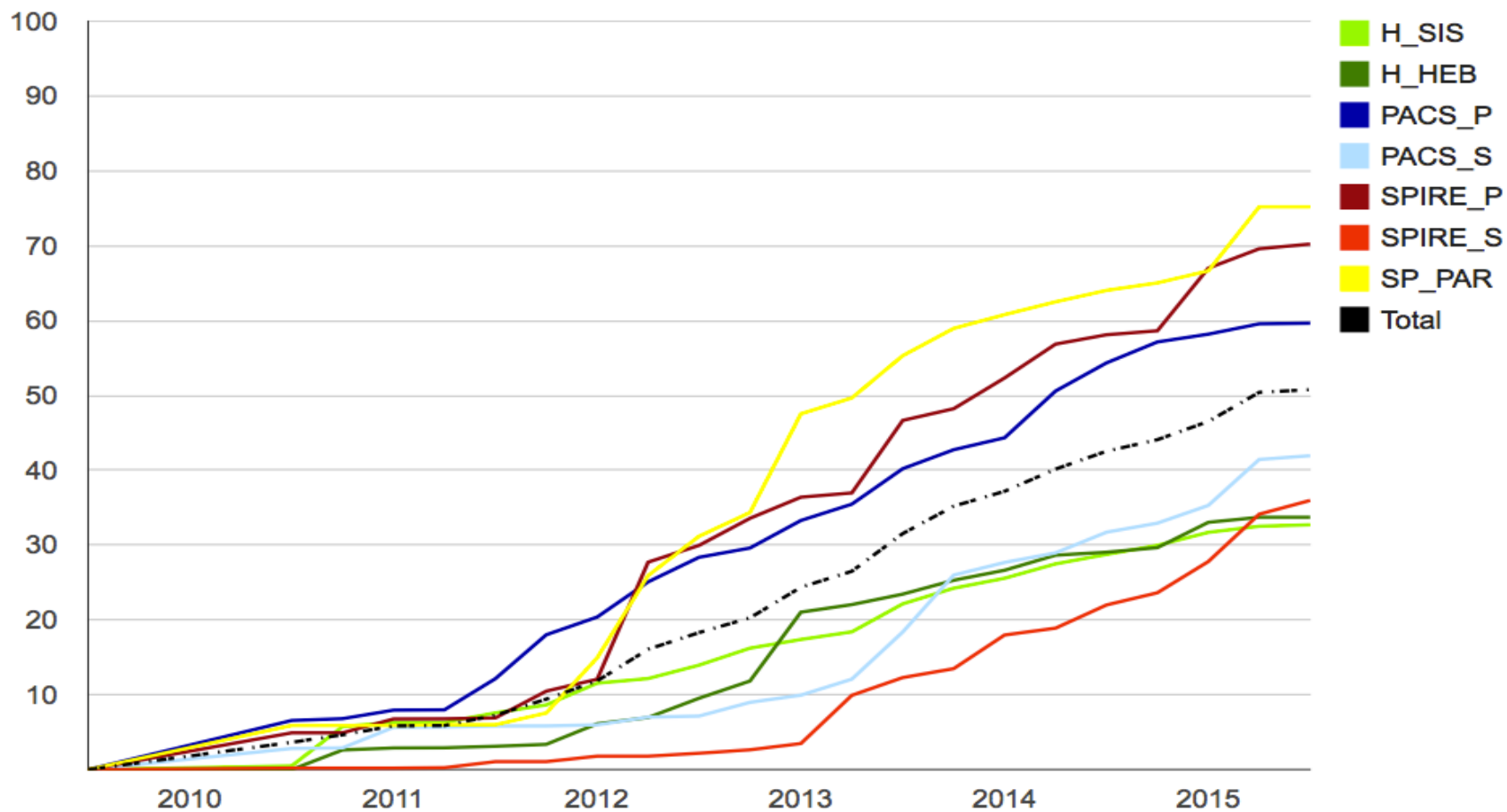
Publications evolution vs sub-instr

– based on 1382 pubs



HOTAC awarded time published – total >50%

- Pubs 'linked' to OBSIDs – add up the observing times of all 'linked' observations



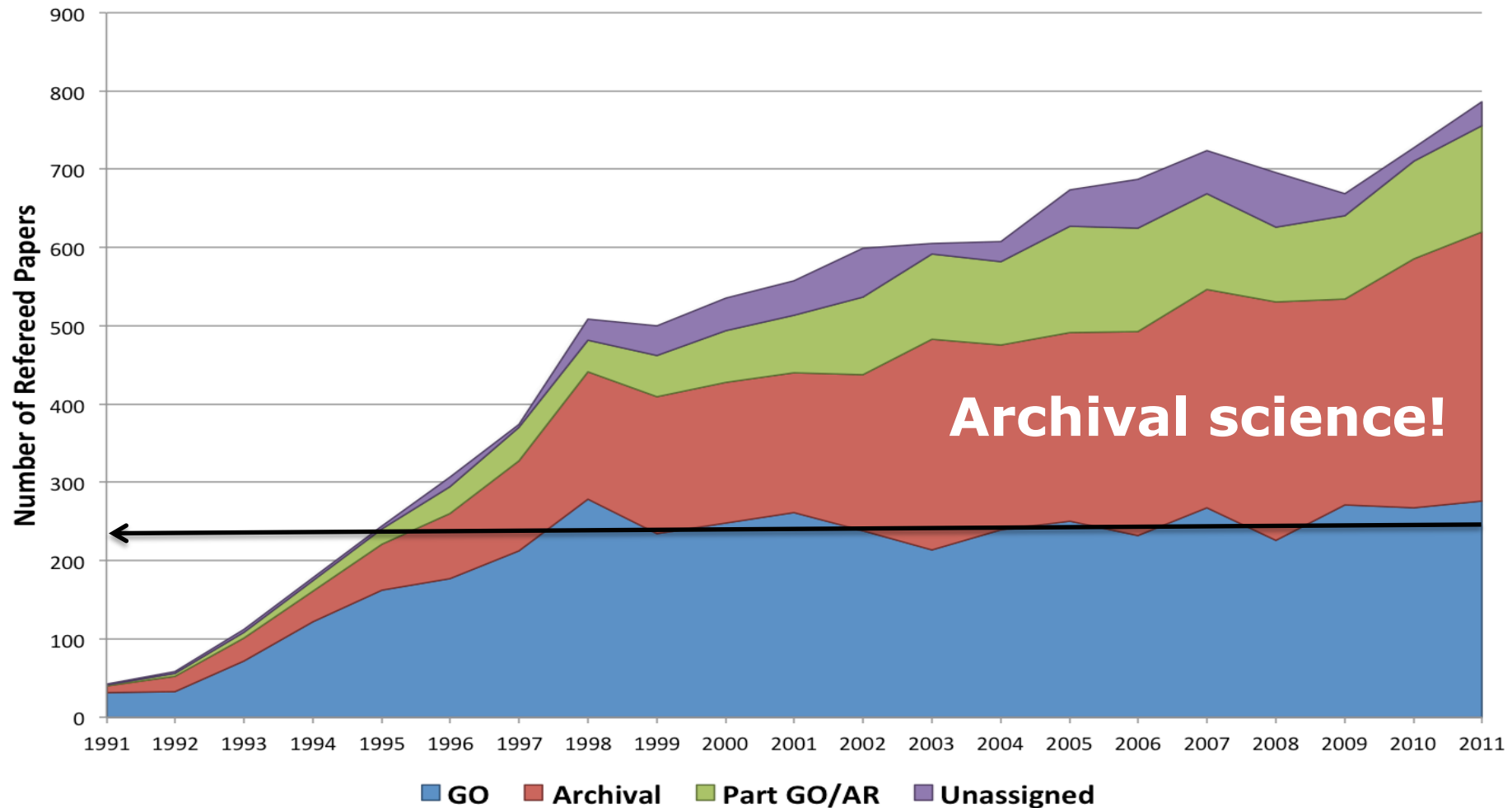
- SDP obs Nov-Dec 2009, KP early 2010-, AO1 early 2011-, AO2 early 2012-

HERSCHEL SPACE OBSERVATORY

Hubble – importance of archive



HST Publication Statistics

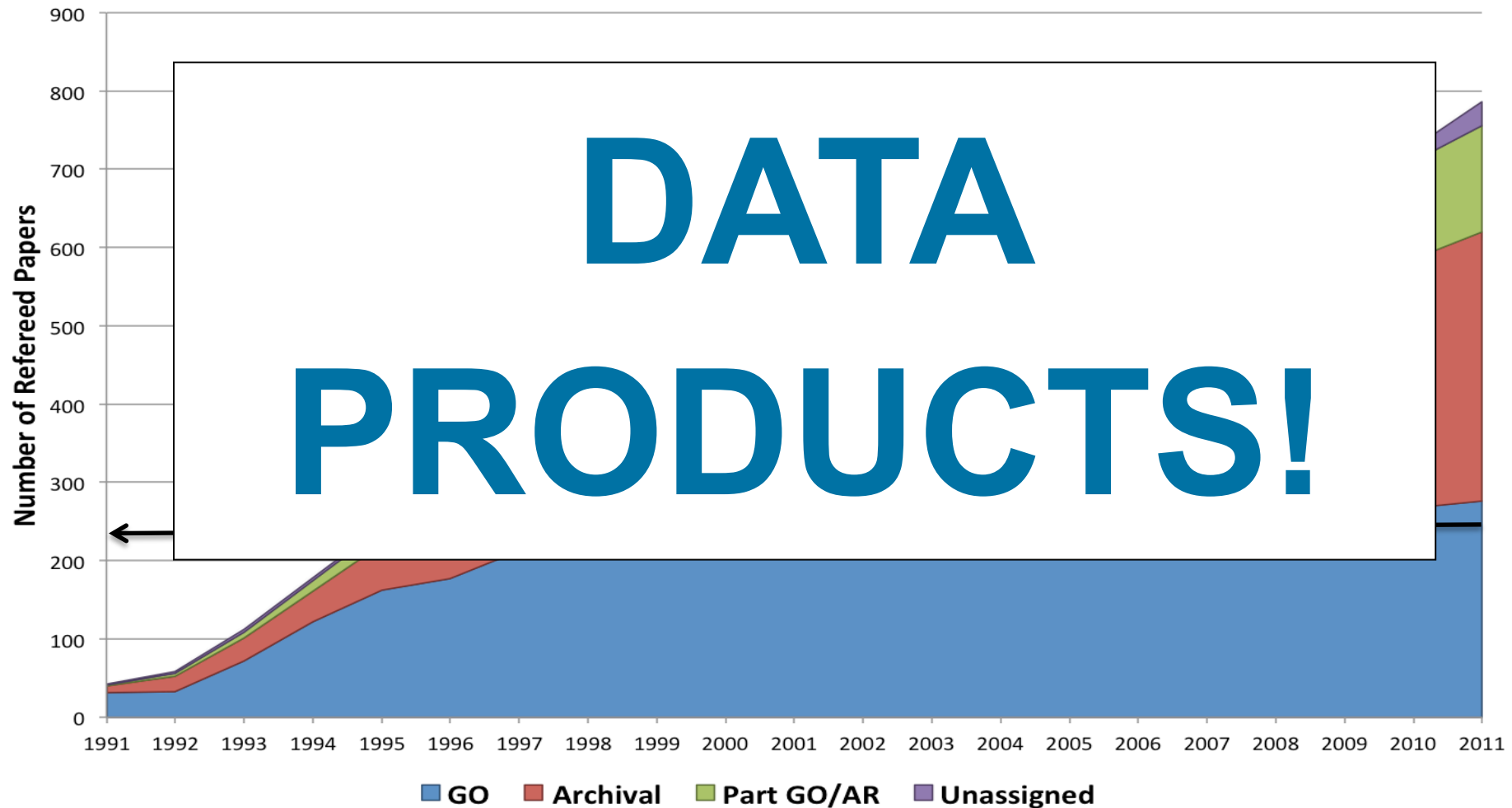


HERSCHEL SPACE OBSERVATORY

Hubble – importance of archive



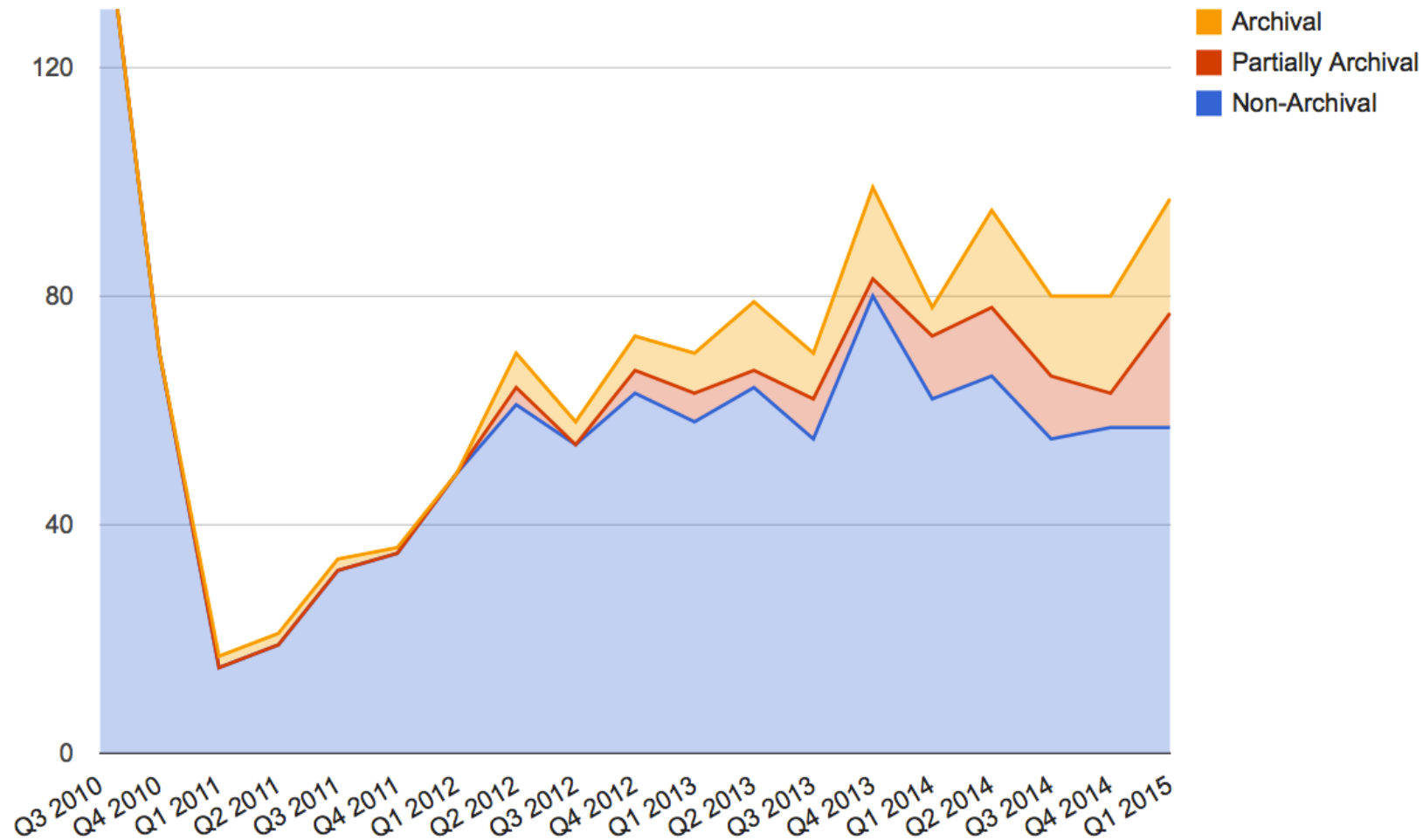
HST Publication Statistics



HERSCHEL SPACE OBSERVATORY

(Partial) Archival publications/Q

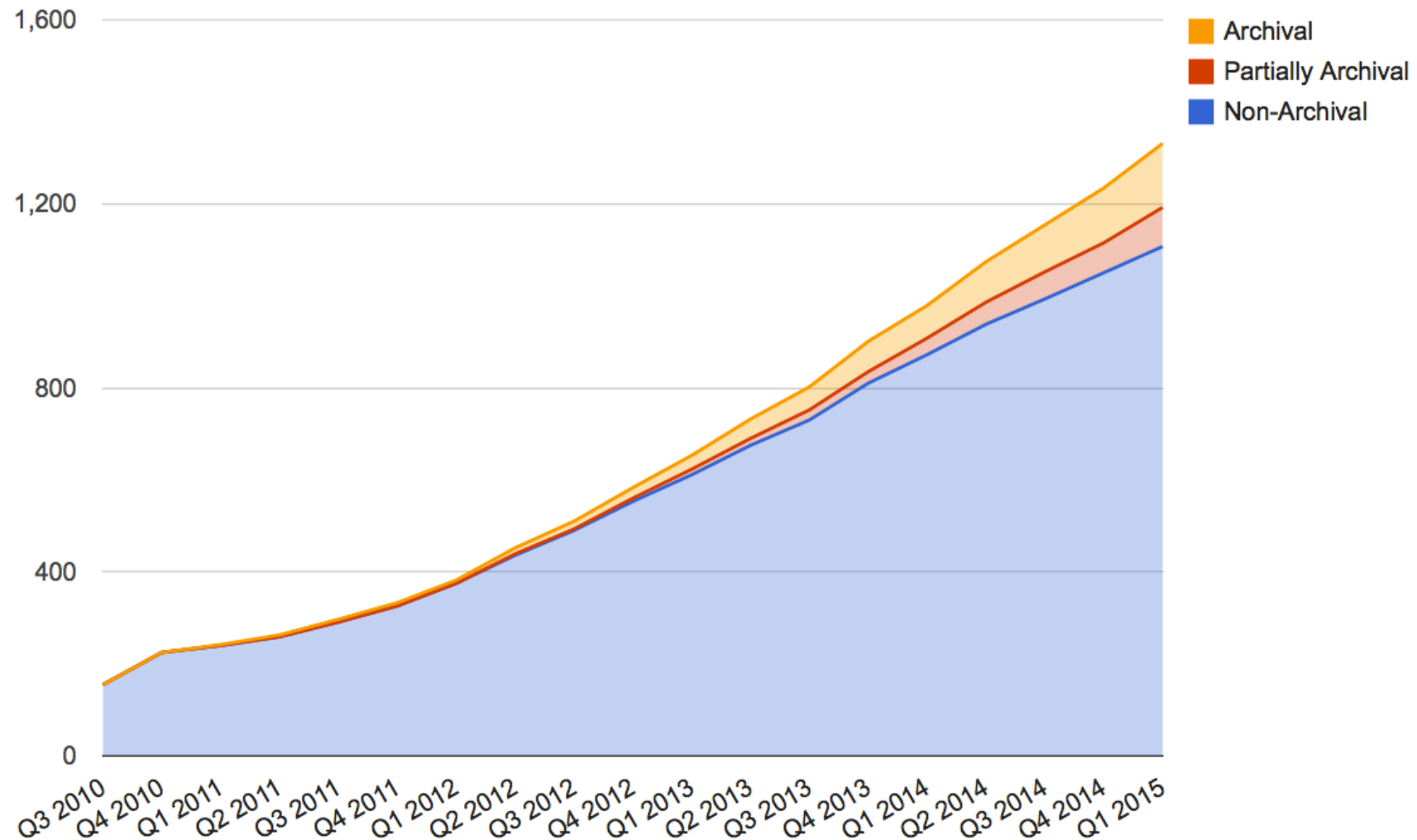
– based on 1382 pubs



HERSCHEL SPACE OBSERVATORY

(Partial) Archival pubs/cumulative

– based on 1382 pubs



HERSCHEL SPACE OBSERVATORY

Key Performance Indicators

KPIs – for the SPC

Key Performance Indicators to SPC

– ESA/SPC(2015)14 (10 June 2015)



What are KPIs?



- The Financial Regulations(!) stipulate that ESA should report annually on its performance
- Five KPIs have been defined – three(!) deal with publications
 - KPI-S3: Number of refereed papers from ESA missions
 - KPI-S4: ‘Impact factor’ of ESA-led missions
 - KPI-S5: Fraction of refereed papers from all ESA missions of all refereed astrophysics papers in a given year
- Definition of KPI-S4 for mission x for year y:
 - $\frac{\text{\# of citations to the papers for mission x in the two years preceding y}}{\text{\# of papers for mission x in the two years preceding y}}$
- KPIs are reported for the first time and will be provided annually
 - Paper # are maintained by the respective PSs & reported to the SPC three times a year
 - Paper lists (e.g. ADS) must also be provided three times a year

HERSCHEL
SPACE
OBSERVATORY

Key Performance Indicators to SPC

– ESA/SPC(2015)14 (10 June 2015)



ESA-led Missions	(2) Launch	(3) End of Operations	(4) 2014 Publications	(5) Total Publications	(6) MS/Total First Authors	(7) Number of Citations	(8) Unique Names	(9) Impact Factor
COS-B	1975	1982		174	0.83	4,800	240	
IUE	1978	1996	15	3,994	0.42	110,000	9,000	
Exosat	1983	1986	2	734	0.67	23,950	1,060	
Hipparcos	1989	1993	51	2,453	0.43	75,650	4,840	4.5
Ulysses	1990	2009	32	1,672				
ISO	1995	1998	3	1,543				
SOHO	1995		206	4,982	0.38	120,300	5,840	3.8
Huygens	1997	2005	5	208	0.43	4,550	780	3.1
XMM-Newton	1999		306	4,015	0.53	110,250	9,880	5.4
Cluster	2000		154	2,104	0.43	29,000	3,020	3.4
INTEGRAL	2002		47	852	0.76	25,400	2,420	3.5
SMART-1	2003	2006	7	79	0.75	650	400	1.6
Mars Express	2003		64	819	0.66	16,700	1,980	2.6
Rosetta	2004		41	395	0.80	3,750	1,820	2.2
Venus Express	2005	2014	44	442	0.65	4,250	1,240	1.7
Herschel	2009	2013	336	1,382	0.66	31,450	5,900	8.9
Planck	2009	2013	328	629	0.54	20,000	3,540	6.7
PROBA-2	2009		13	55	0.62	350	240	3.4
Gaia	2013		32	49	0.73	160	220	



Herschel Science Archive

HSA, UPDPs, HPDPs (aka EPDPs)

HERSCHEL SPACE
OBSERVATORY



Search

All science data are public!

Observing statistics

- Total successful HOTAC allocated ~23400 hr ~37,000 AORs
- + Routine science calibration ~2600 hr ~6600 AORs

Main Query Panel

Observation

Proprietary

Geometry

Target

Shape

• Circle

• Box

Ecliptic

NOTES

Instruments Query Panel

Instrument

Obs. Type

☒ Standard Data

All
HIFI
PACS
SPIRE
SPIREPACS

HIFI

Single Point
Mapping
Spectral Scan

PACS

Pacs Photometer
Range Spectroscopy
Line Spectroscopy

SPIRE

Photometer
Spectrometer

SPIREPACS

Parallel Mode

Instruments Advanced Query Panel

User Provided Data Products Panel (UPDP)

Proposal Query Panel

Pipeline Processing Query Panel

Timing Constraints Query Panel

Log Console

gpilbrat has logged in at 21:07:25

Observing statistics

- **Total successful HOTAC allocated** ~23400 hr ~37,000 AORs
- **+ Routine science calibration** ~2600 hr ~6600 AORs

Science categories (HOTAC allocations)

- | | | |
|-----------------|----------|-----|
| • Galaxies/AGNs | 6503 hr | 28% |
| • Cosmology | 5074 hr | 22% |
| • ISM/SF | 9044 hr | 39% |
| • SSO | 956 hr | 4% |
| • Stars/SE | 1899 hr | 8% |
| • Total | 23476 hr | |

All science data are public!

Observing statistics

- Total successful HOTAC allocated ~23400 hr ~37,000 AORs
- + Routine science calibration ~2600 hr ~6600 AORs

Charged to observers

Photometry (hours)

PACS-P	6116.54
SPIRE-P	1686.27
SPPParallel	3025.51
Total-P	10828.32

Total-P+S 22846.30 (excl 'reimbursed' SDP time)

Spectroscopy (hours)

PACS-S	5458.90
SPIRE-S	1693.47
HIFI	4865.61
Total-S	12017.98

All science data are public!

Observing statistics

- Total successful HOTAC allocated ~23400 hr ~37,000 AORs
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- # All science data are public!
- ## Observing statistics
- Total successful HOTAC allocated ~23400 hr ~37,000 AORs
 - + Routine science calibration ~2600 hr ~6600 AORs
- ## Charged to observers
- ### Photometry (hours)
- | | |
|-------------|----------|
| PACS-P | 6116.54 |
| SPIRE-P | 1686.27 |
| SPPParallel | 3025.51 |
| Total-P | 10828.32 |
- Total-P+S 22846.30 (excl 'reimbursed' SDP time)
- ### Spectroscopy (hours)
- | | |
|---------|----------|
| PACS-S | 5458.90 |
| SPIRE-S | 1693.47 |
| HIFI | 4865.61 |
| Total-S | 12017.98 |

All science data are public!

Observing statistics

- Total successful HOTAC allocated ~23400 hr ~37,000 AORs
- + Routine science calibration ~2600 hr ~6600 AORs

Charged to observers

Photometry (hours)

PACS-P	6116.54
SPIRE-P	1686.27
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PACS-S	5458.90
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All science data are public!

Observing statistics

- Total successful HOTAC allocated ~23400 hr ~37,000 AORs
- + Routine science calibration ~2600 hr ~6600 AORs

Charged to observers

Photometry (hours)

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Spectroscopy (hours)

PACS-S	5458.90
SPIRE-S	1693.47
HIFI	4865.61
Total-S	12017.98

HSA Science Archive v6.2.1

File View Windows Account Tools Help

HERSCHEL ESA

All science data are public!

Observing statistics

- Total successful HOTAC allocated ~23400 hr ~37,000 AORs
- + Routine science calibration ~2600 hr ~6600 AORs

Data products

- Pipeline (SPG) products – processing levels 0 - 3
- User Provided Data Products (UPDPs) – provided ‘as is’
- + (future) Highly Processed Data Products – ‘certified’

Log Console

gpilbrat has logged in at 21:07:25

esa

Herschel Science Centre e-News #33
17 June 2015
<http://www.cosmos.esa.int/web/herschel>
#####

New UPDPs available through the Herschel Science Archive

=====

Several new sets of "User Provided Data Products" (UPDPs) have recently been ingested in the Herschel Science Archive and are available for retrieval.

The Herschel Science Archive user interface can be reached at:

<http://www.cosmos.esa.int/web/herschel/science-archive>

The new UPDPs are:

- * DIGIT/FOOSH/COPS: PACS and SPIRE spectroscopy of protostars and disk sources - datacubes, contour maps, automated line fitting results and 1-D spectra for all protostellar and disk sources observed with PACS in range spectroscopy mode and with SPIRE FTS under these programmes.
- * HERITAGE: Band-merged point source catalogue containing information for 35,322 unique sources in the Large Magellanic Cloud (LMC) and 7,503 in the Small Magellanic Cloud (SMC) spanning the wavelength range from 3.6 to 500 microns, combining data obtained with PACS/Herschel and SPIRE/Herschel under the HERITAGE Key Program, and with IRAC/Spitzer and MIPS/Spitzer under the SAGE Spitzer survey.
- * HEXOS_HIFI: HIFI observations of EXtra-Ordinary Sources: The Orion and Sgr B2 star-forming regions - fully reduced single sideband HIFI spectral scans, including model spectra for each detected molecular species in Orion KL and HIFI maps of water and OH transitions as well as deep integrations toward Sgr B2(S).
- * MESS_PPHOT: PACS images of the circumstellar environment of 107 post-main sequence objects taken under the MESS Key Programme. Most of the observations consist of a blue (70 microns) and a red (160 microns) image per target. Several sources were also observed and are available in the green filter (100 microns).
- * HELGA: Herschel images at five wavelengths from 100 to 500 microns of a $\sim 5.5 \times 2.5$ degree area centred on the local galaxy M31 (Andromeda), taken as part of this Herschel programme
- * PPDISKS: SPIRE spectroscopy of 14 additional protoplanetary disks taken under the programmes GT1_golofs01_4 and GT2_jbouwman_3

The number of UPDPs served by the HSA is gradually increasing. The full list of available UPDPs at any time is available at:

<http://www.cosmos.esa.int/web/herschel/user-provided-data-products>

Please contact the Herschel Science Centre Helpdesk if you have any question or if you need assistance on how to deliver your own User Provided Data Products.

Proposal ID	Proposal Name	Release Note	User Provided Data Products Repository	Related Publications	Latest update	Ingested in HSA ?							
KPOT_nevans_1, OT1_jgreen02_2, OT2_jgreen02_6	Dust, Ice, and Gas in Time (DIGIT) FU Orionis Objects Surveyed with Herschel (FOOSH) CO in Protoplanetary Disks (COPS)	DIGIT-FOOSH-COPS Release Note	DIGIT-FOOSH-COPS Data	Cieza et al. 2013 Green et al. 2013b	[13-APR-2015]	YES	KPOT_mjuvela_1	Galactic Cold Cores: A Herschel survey of the source populations revealed by Planck	ColdCores Release Note	ColdCores Data Repository	Juvela et al. 2010, 2011, 2012	[1-Oct-2013]	YES
							KPOT_celsoa_1	Cold Disks around Nearby Stars. A Search for Edgeworth-Kuiper Belt analogues (DUNES: Dust disks around Nearby Stars)	The DUNES archive (Release Note)	DUNES Final Archive	Eiroa et al. 2013	[09-Jul-2013]	YES
GT1_jfritz_1	HELGA: Herschel Exploitation of local galaxy Andromeda	HELGA Release Note	HELGA Data	Fritz J. et al. 2012 Smith M. W. L. et al. 2012 Ford G. P. et al. 2013 Visani S. et al. 2014 Mattsson L. et al. 2014 Kirk J. et al. 2015	[11-Mar-2015]	YES	KPOT_pgolds01_1	Herschel Oxygen Project (HOP)	Data Release Document	HOP Data	Goldsmith et al. 2011	[6-May-2013]	YES
KPGT_mgroen01_1	Mass-loss of Evolved Stars (MESS)	MESS Release Note	MESS Data	Groenewegen et al. 2011 Kerschbaum et al. 2010	[05-Mar-2015]	YES	OT1_pharve01_3	The Auriga-California Molecular Cloud: A Massive Nearby Cloud With Powerful Diagnostics For Early Stages of Star Formation.	Harvey et al. 2013	Data Repository	Harvey et al. 2013	[11-Mar-2013]	YES
KPGT_ebergin_1	HEXOS: Herschel Observations of Extra-Ordinary Sources: The Orion and Sgr B2 Star-Forming Regions	HEXOS Release Note	HEXOS Data	Crockett et al. 2014a Crockett et al. 2014b Neill et al. 2014	[19-Feb-2015]	YES	KPGT_dlut_1	PACS Evolutionary Probe (PEP)	PEP Release Note (PACS data) PEP Release Note (SPIRE data)	PEP public data releases	Lutz et al. 2011 PEP related publications	[01-Mar-2013]	YES
KPOT_mmeixner_1	Herschel Inventory of The Agents of Galaxy Evolution (HERITAGE) in the Magellanic Clouds	HERITAGE README file	HERITAGE Data HERITAGE Band Merged Catalogs	Meixner et al. 2013 Seale et al. 2014	[21-Nov-2014]	YES	KPGT_vbugara_1	HIFISTARS: The physical and chemical properties of circumstellar environments around evolved stars	HIFISTARS Release Note	HIFISTARS Data Repository	Bujarborja et al. 2012	[16-Nov-2012]	YES
GT1_golof01_4 GT2_jbouman_3	SPIRE spectroscopy of protoplanetary disks	Data Release Note	Data Repository	van der Wiel et al. 2014	[29-Oct-2014]	YES	KPOT_delfaz_1	The Great Observatories Origins Deep Survey : far-infrared imaging with Herschel (GOODS)	GOODS-Herschel release documentation	GOODS-North Data GOODS-South Data	GOODS-Herschel related publications	[12-Sep-2012]	YES
KPGT_soliver_1	HerMES	HerMES Release note	HerMES Data Release	HerMES related publications	[11-Jul-2014]	YES							
KPGT_cwik01_1	Physical Processes in the Interstellar Medium of Very Nearby Galaxies	VNGS Release note (SPIRE data) VNGS Release note (PACS Phot data) VNGS Release note (PACS Spec data)	VNGS Data release (SPIRE data) and postcards VNGS Data release (PACS Phot data) and postcards VNGS Data release (PACS Spec data)	Bendo et al. 2012	[10-Jul-2014]	YES	KPOT_ckrame01_1	Herschel M33 extended survey (HerM33es)	HerM33es : Herschel M33 extended survey - SPIRE Data Products Delivery User's Guide HerM33es: Herschel M33 extended survey - PACS Data Products Delivery User's Guide	HermesPublicData	Xilouris et al. 2012 Boquien et al. 2011 Kramer et al. 2010	[2-Mar-2012]	YES
KPOT_wlanger_1	State of the Diffuse ISM: Galactic Observations of the Terahertz CII Line (GOT CPlus)	GOT CPlus Release Note	GOT CPlus Data GOT CPlus Postcards	Pineda et al. 2013 Langer et al. 2014	[07-Feb-2014]	YES	KPOT_jdavis01_1	The Herschel Virgo Cluster Survey (HeViCS)	Data Reduction for HEViCS Public Data Release of 2 Scan Data	The first HeViCS public data release	The HeViCS papers	[2-Sep-2011]	NO
KPGT_aaberg01_1	Evolution of interstellar dust	Release Note	Herschel 300C Database (HES300C)	Related Publications	[18-Nov-2013]	NO							
KPOT_kennic01_1	Key Insights on Nearby Galaxies: a Far Infrared Survey with Herschel (KINGFISH)	KINGFISH Data Products Delivery - DR3 User's Guide	KINGFISH Data Products (DR3) repository	Kennicutt et al. 2011	[21-Oct-2013]	YES	KPOT_seales01_2	H-ATLAS	First data release of the Herschel ATLAS	H-ATLAS SOP images and files H-ATLAS SOP catalogue	PACS maps (Eber et al. 2010) SPIRE maps (Pascale et al. 2010) 5-band source catalogue (Rigby et al. 2010)	[24-Oct-2010]	NO

Communications

Communications, & Non-communications...

ESA NEWS & PRESS RELEASES RELATED

2015



[Stars forming in the Taurus Molecular Cloud](#)
ESA Space Science - Image of the Week
8 June 2015



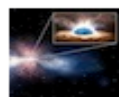
[Threading the Milky Way](#)
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28 May 2015



[Herschel and Planck find missing clue to galaxy cluster formation](#)
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31 March 2015



[The tumultuous heart of the Large Magellanic Cloud](#)
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30 March 2015



[Black hole winds pull the plug on star formation](#)
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25 March 2015

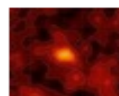


[Exploring the colours of the Small Magellanic Cloud](#)
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[Herschel's view of the early Universe reveals galaxy cluster fireworks](#)
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ESA SciTech News
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[Star factory NGC 7538](#)
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27 January 2014



[Herschel discovers water vapour around dwarf planet Ceres](#)
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22 January 2014

2013

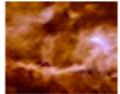


Young sun's violent history solves meteorite mystery
ESA Space Science News - also in-depth on ESA SciTech News
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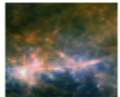


From oldest to youngest: a line of star nurseries
ESA Space Science - Image of the week
22 June 2014



Stars fo
ESA Sp
8 June

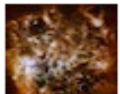
Herschel doing very well re web-stories



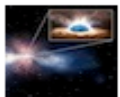
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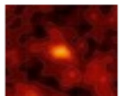
Explorir
ESA Sp
23 Febr

- 2010: 18 releases (incl 9 on 6 May...)
- 2011: 13 releases
- 2012: 15 releases
- 2013: 24 releases (incl 2 EoHe & 7 SSIWs)
- 2014: 14 releases (incl 6 SSIWs) **[Rosetta!!!]**
- 2015: 7 releases (incl 2 SSIWs) so far **[Rosetta]**



Herschel
ESA Sci
18 Dec

- **AND promising (TBC!!) ...**



Herschel
ESA Sci
17 Oct

- **... for Herschel in *draft* 2015 Communications Plan & budget**



Nearby M33 galaxy blossoming with star birth
ESA Space Science - Image of the Week
28 July 2014



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22 January 2014



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DOCUMENT

Science and Robotic Exploration

Communication Plan 2015



Herschel (post operations)	Herschel Science Summary Brochure
Herschel (post operations)	Herschel image repository (ESA Sky, OSHI)
Herschel (post operations)	Herschel mission video
Herschel (post operations)	Herschel Science Summary Brochure
Herschel (post operations)	Herschel app slider from optical to infrared
Herschel (post operations)	Herschel calendar

Science and Robotic Exploration

Communication Plan 2015



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But *BUDGET!*

- **There is (probably) hope for the Brochure!**
- **Rumours of big cut in the communications budget**

Communication Plan 2015



PS matters...

... much more Personnel matters later

PS matters



- **PS full time on Herschel since until end of March 2014**
- **Senior Advisor for PLATO since 1 April 2014**
 - **Herschel 75%, PLATO 25%**
- **Study Scientist for M4 candidate Ariel – since last week**
 - **Ariel Study Scientist 50% (yet to be formalised)**
 - **Discontinue PLATO support (formally)**
 - **Herschel 50%**
- **Timescales**
 - **Herschel POP ends end of 2017**
 - **M4 downselection summer 2017, adoption end of 2018**
 - **My ESA contract ends end of January 2019**

Water in the Universe: From clouds to Oceans

Cosmos » Herschel » General Information » Conferences / Workshops » Water in the Universe: from Clouds to Oceans

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Documentation ▶
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WATER IN THE UNIVERSE: FROM CLOUDS TO OCEANS

ESA/ESTEC, NOORDWIJK, 12-15 APRIL 2016

The conference will cover all astrophysical aspects of water, including the water trail, from the formation of water in molecular clouds to water on planetary bodies, including in our own solar system; water as a probe of physics and chemistry; and water in nearby to water in extra-galactic and high redshift sources.

SCIENCE ORGANIZING COMMITTEE

Yuri Aikawa, University of Tsukuba, JP
Ted Bergin, University of Michigan, USA
Cecilia Ceccarelli, University of Grenoble, F
Ewine van Dishoeck, Leiden Observatory, NL
Yu Gao, Purple Mountain Observatory, Nanjing, CN
Paul Hartogh, MPS, Göttingen, D
Derek Lis, LERMA, Paris, F
Göran Pilbratt, ESA/ESTEC, Noordwijk, NL
Axel Weiss, MPIfR, Bonn, D

Pre-announcement issued on 23 October 2014

First Announcement issued on 12 June 2015

Second Announcement and Call for Papers will appear in September 2015

Please consult the conference website:

<http://www.congrexprojects.com/2016-events/16a06>

Water in the Universe: From Clouds to Oceans

The conference will cover all astrophysical aspects of water, including the water trail, from the formation of water in molecular clouds to water on planetary bodies, including in our own solar system; water as a probe of physics and chemistry; and water in nearby to water in extra-galactic and high redshift sources.

ESA/ESTEC, Noordwijk, 12-15 April 2016

<http://www.congrexprojects.com/2016-events/16a06>

First Announcement

12 June 2015

Introduction and Aims

Water consists up of the two most common reactive elements in the Universe. Does it mean it exists everywhere in the Universe? How and where is it formed and destroyed? What roles does it play under different circumstances? Where did Earth's water form and how did it arrive here?

Water in the Universe: From Clouds to Oceans

The conference will cover all astrophysical aspects of water, including the water trail, from the



water in the universe: from clouds to oceans

12 - 15 april 2016

European Space Agency

List of events

Introduction



Introduction

Aims & Scope



Meeting Format



Calendar of Events



Organising Committees



Venue



Contact



Water in the Universe: From Clouds to Oceans

ESA/ESTEC, Noordwijk, 12-15 April 2016

The conference will cover all astrophysical aspects of water, including the water trail, from the formation of water in molecular clouds to water on planetary bodies, including in our own solar system; water as a probe of physics and chemistry; and water in nearby to water in extra-galactic and high redshift sources.

For more information, please click [here](#) to download the 1st Announcement, issued 12 June 2015.

Welcome!

