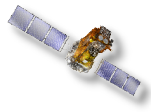
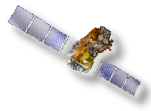


# Project Scientist Status Report

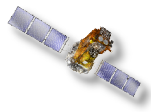
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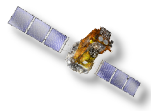
**Observatory status**



Community interfaces

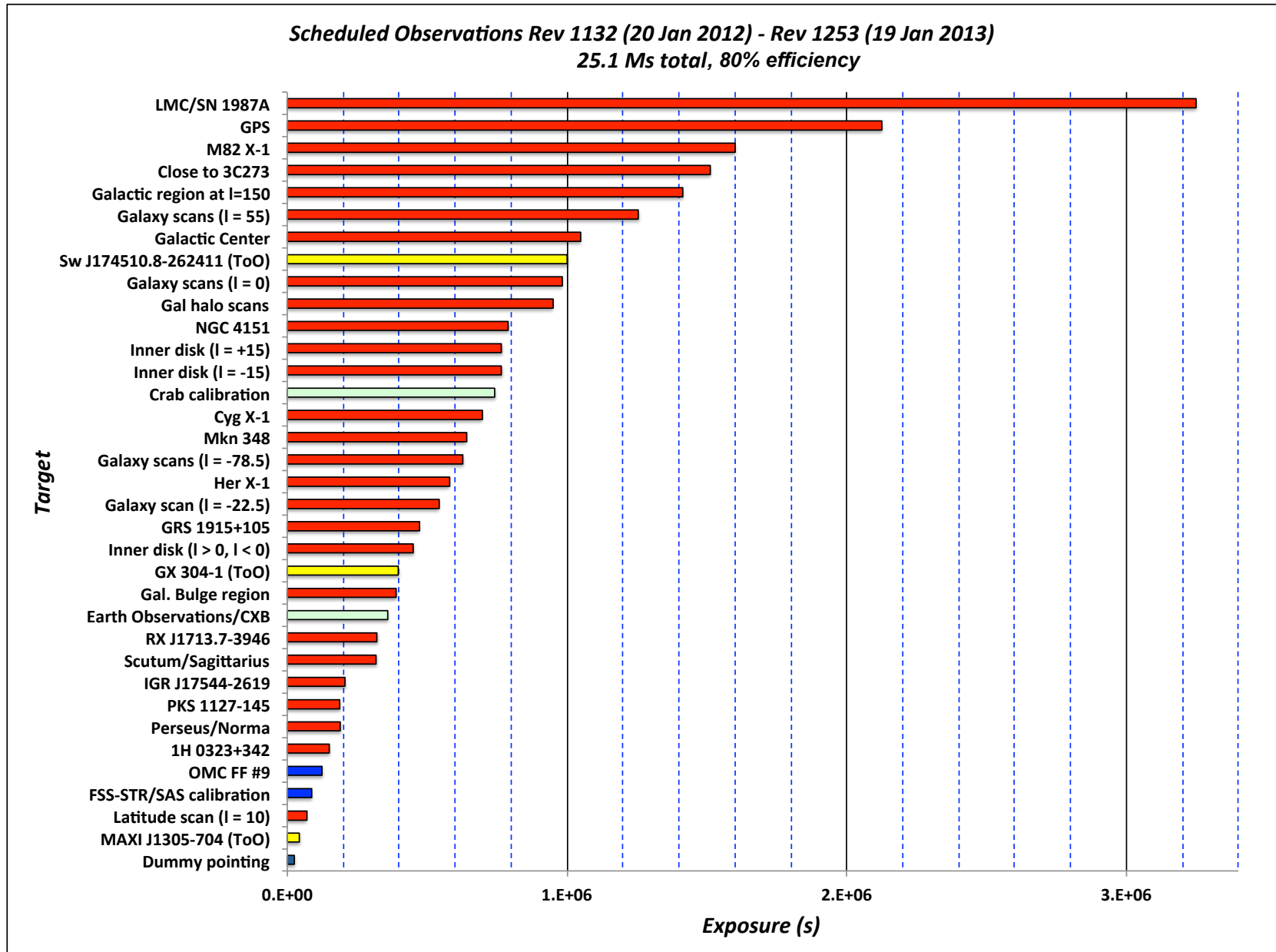


Science highlights



Outreach

# Observatory status: scheduled observations



# TOO follow-up observations + GRB (Jan 2012 – Jan 2013)

Trigger Date	Source	PI	Comments
18 Sep 2012	Swift J174510.8-262411	T. Belloni	#940005, scheduled
17 April 2012	MAXI J1305-704	C. Sanchez	New, scheduled
14 Jan 2012	GX 304-1	D. Klochkov	#940023, scheduled
16 Sep 2012	Swift J174510.8-262411	C. Ferrigno	New, rejected, overlap with existing proposal
12 Sep 2012	Swift J1753.5-0127	S. Tsygankov	New, rejected, higher priority AO observation was scheduled
23 August 2012	Swift J1910.2-0546	E. Kalemci	#940017, rejected, TAC criteria not met
1 May 2012	1 E2259+586	P. den Hartog	#940016, rejected, source not (yet) visible
18 Feb 2012	PKS 1510-089	E. Pian	#930084, rejected, TAC criteria not met
GRB 121212A	GRB inside FOV	L. Hanlon	#940025
GRB 121102A	GRB inside FOV	- Public -	GRB occurred during public GPS
GRB 120821A	GRB inside FOV	S. Sazonov	#940011
GRB 120711A	GRB inside FOV	L. Hanlon	#940025, peak flux 10 ph/cm <sup>2</sup> s !! POM Sep
GRB 120512A	GRB inside FOV	S. Sazonov	#940011
GRB 120419A	GRB inside FOV	L. Hanlon	#940025
GRB 120202A	GRB inside FOV	L. Hanlon	#940025

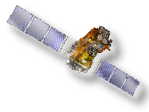
## AO-9 wrap up (Courtesy Erik & Celia)

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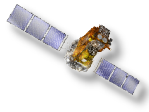
- AO-9: 2 Jan 2012 until 1 Jan 2013; rev 1126-1247
- Total science time scheduled: 25 Ms (+ slew, GSHO, RWB...)
- Total calibration: 1.3 Ms
  
- Russian return: 8.8 Ms (6.9 Ms allocated): No compensation for under-return in AO-11 (if AO-10 goes as expected)!
  
- Carry over from AO-9 to AO-10:
  - \* 651 ksec of total 1600 ksec on Gal. halo scan (0920003)
  - \* 970 ksec of total 2500 ksec on Inner Gal. disk (0920013)
  - \* 400 ksec of total 2000 ksec on M82 X-1 (0920014)
  - \* 74 ksec of total 500 ksec on GRS 1915+105 (0920008)
  - \* 427 ksec of total 604 ksec on Per/Norma (0920015)
  - \* 264 ksec of total 604 ksec on Scutum/Sag (0920015)
  - \* 690 ksec of total 2000 ksec on Region at  $l=150$  (0920021)
  - \* 932 ksec of total 2000 ksec on Galactic Center (0920025)

# PS Status Report

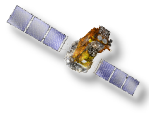
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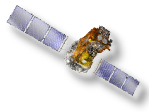
Observatory status



**Community interfaces**



Science highlights



Outreach

## Mission Extension

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- Science case (only) + apx A & B on WWW (IUG pages)
- AWG/SSAC/SPC meetings Oct/Nov 2012
  
- SPC confirms extended operations until 31 Dec 2014
- SPC in June 2013 will decide on cost saving options for all ? Some ? Missions....
  
- Extension til 31 Dec 2016 TBD (June 2013 ?)

# Community Response to AOs

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## AO-10 Observing proposals

- 20 April: 59 proposals
- Over-subscription in time: 3.3
- 18 KP (incl. 8 MY-KP), 31 ToO
- TAC meeting early June, recommended 42 proposals (incl 18 ToO), approved by ESA on 12 June
- (PS: 1 proposal #1020007, "annihilation asymmetry", 3 Ms, PI G.Weidenspointner, had to be removed later because of technical infeasibility)
- Russian proposals: 12 Ms approved (vs. [5 + 2.55] MS return)

## AO-10 Data-rights proposals

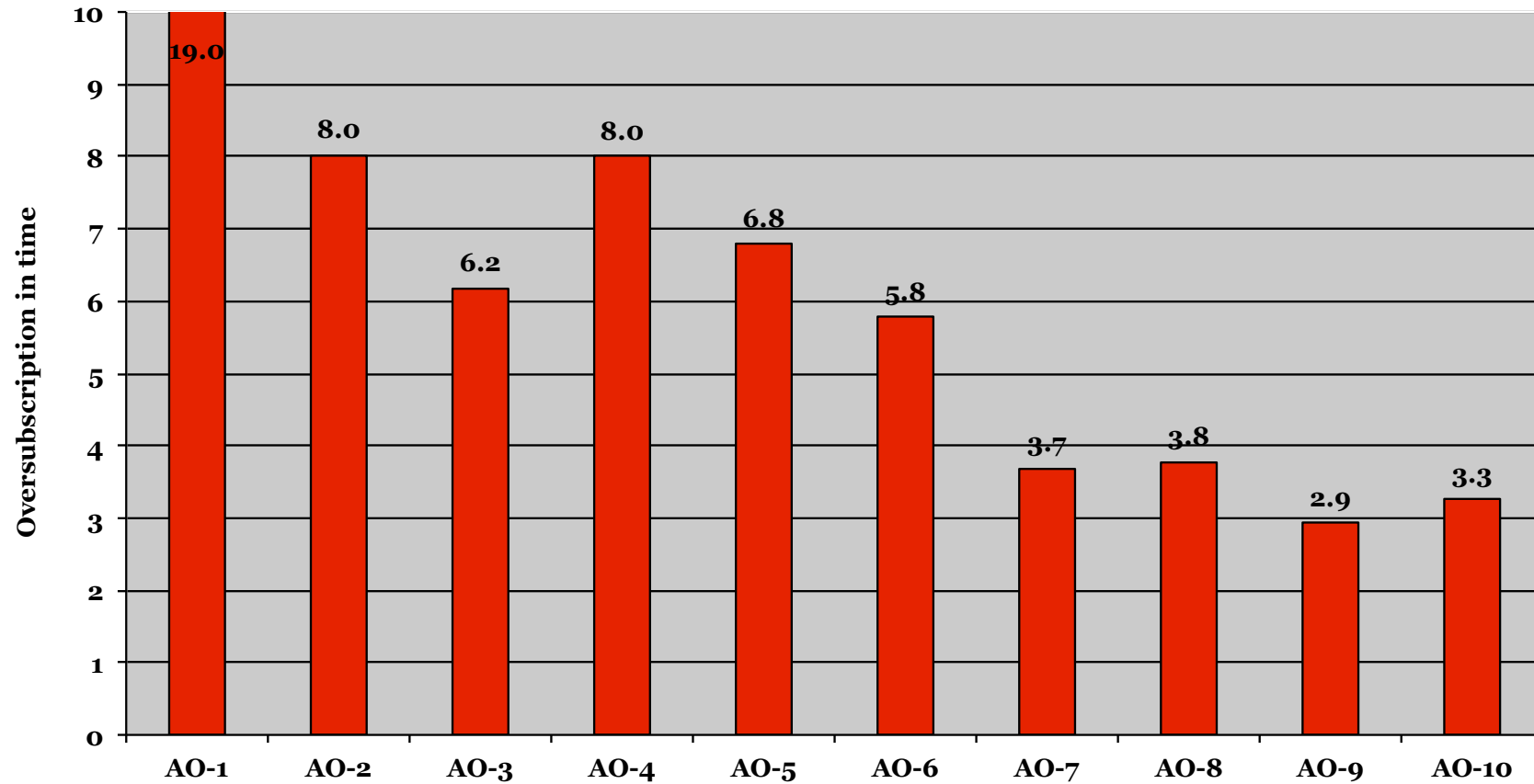
- 28 September: 38 proposals
- 132 subscribed fields
- 453 sources
- TAC recommended 33 proposals (17 Nov), approved by ESA on 26 November

## AO-11

- Release AO-11 for observation proposals: [4 March 2013](#), due [12 April 2013](#)
- Release AO-11 for data-rights proposals: 9 September 2013, due 4 October 2013

# Response to AO-10

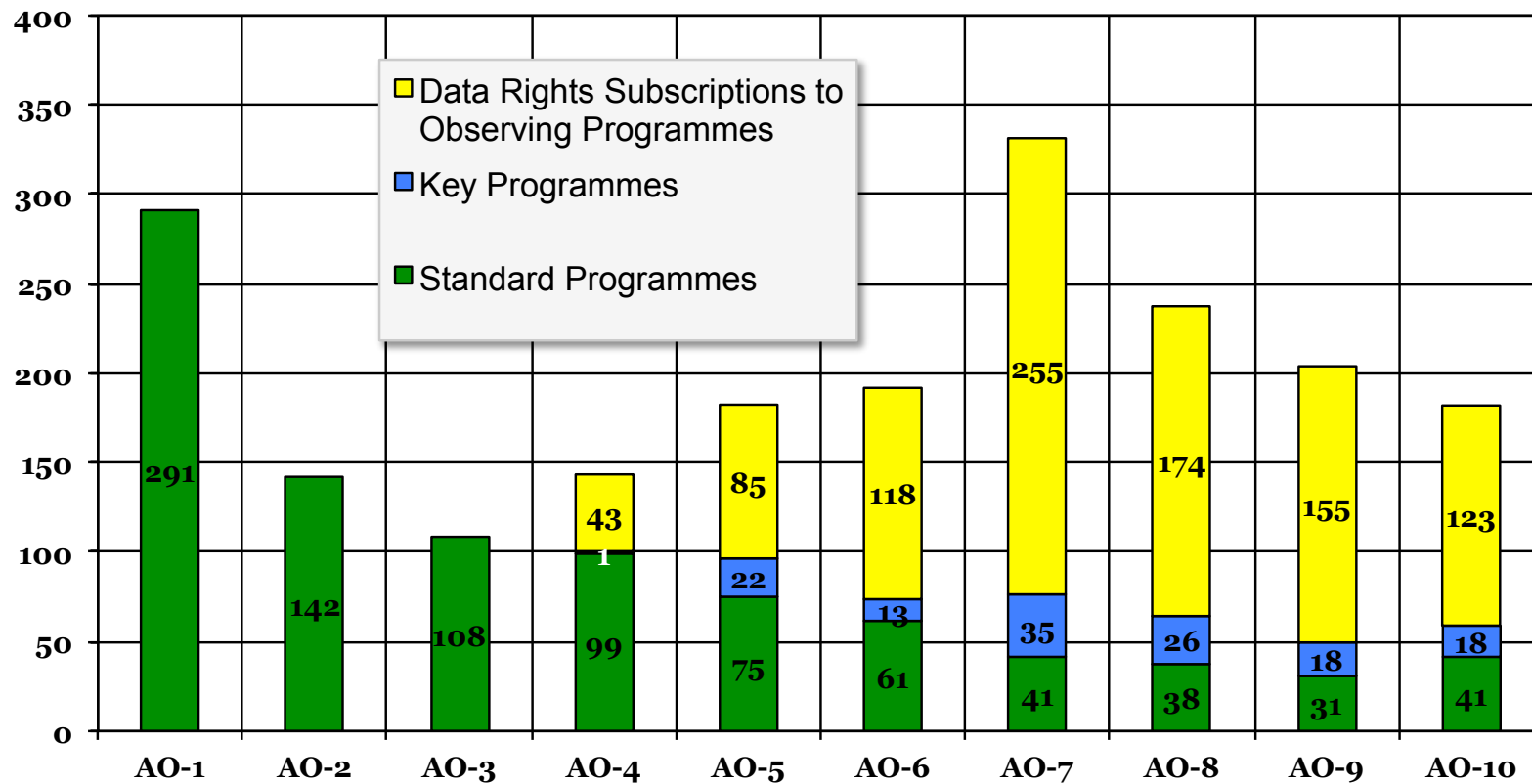
INTEGRAL AO: over-subscription in observing time





# Response to AO-10

Number of observing proposals and data-rights subscriptions received in response to INTEGRAL AO



## IUG: rotation of membership

New IUG members (July 2012 – July 2016)

- Lorraine Hanlon, Dublin
- Dieter Hartmann, Clemson
- Tony Bird, Southampton

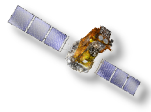


New IUG chair TBD for July 2013 – July 2017

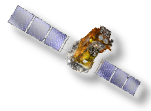


# PS Status Report

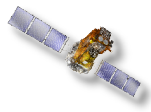
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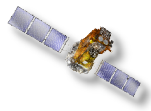
Observatory status



Community interfaces



**Science highlights**



Outreach

## “My” science highlights

Title	Paper
Energetic feedback and $^{26}\text{Al}$ from massive stars and their supernovae in the Carina region	R. Voss et al. 2012, A&A 539, A66
Temporal and Spectral Evolution in X- and $\gamma$ -Rays of Magnetar 1E 1547.0-5408 since its 2008 October Outburst: The Discovery of a Transient Hard Pulsed Component after its 2009 January Outburst	L. Kuiper et al., 2012, ApJ 748, 133
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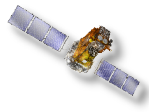


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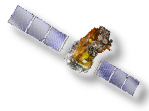
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# PS Status Report

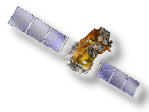
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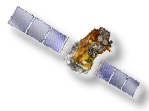
Observatory status



Community interfaces



Science highlights



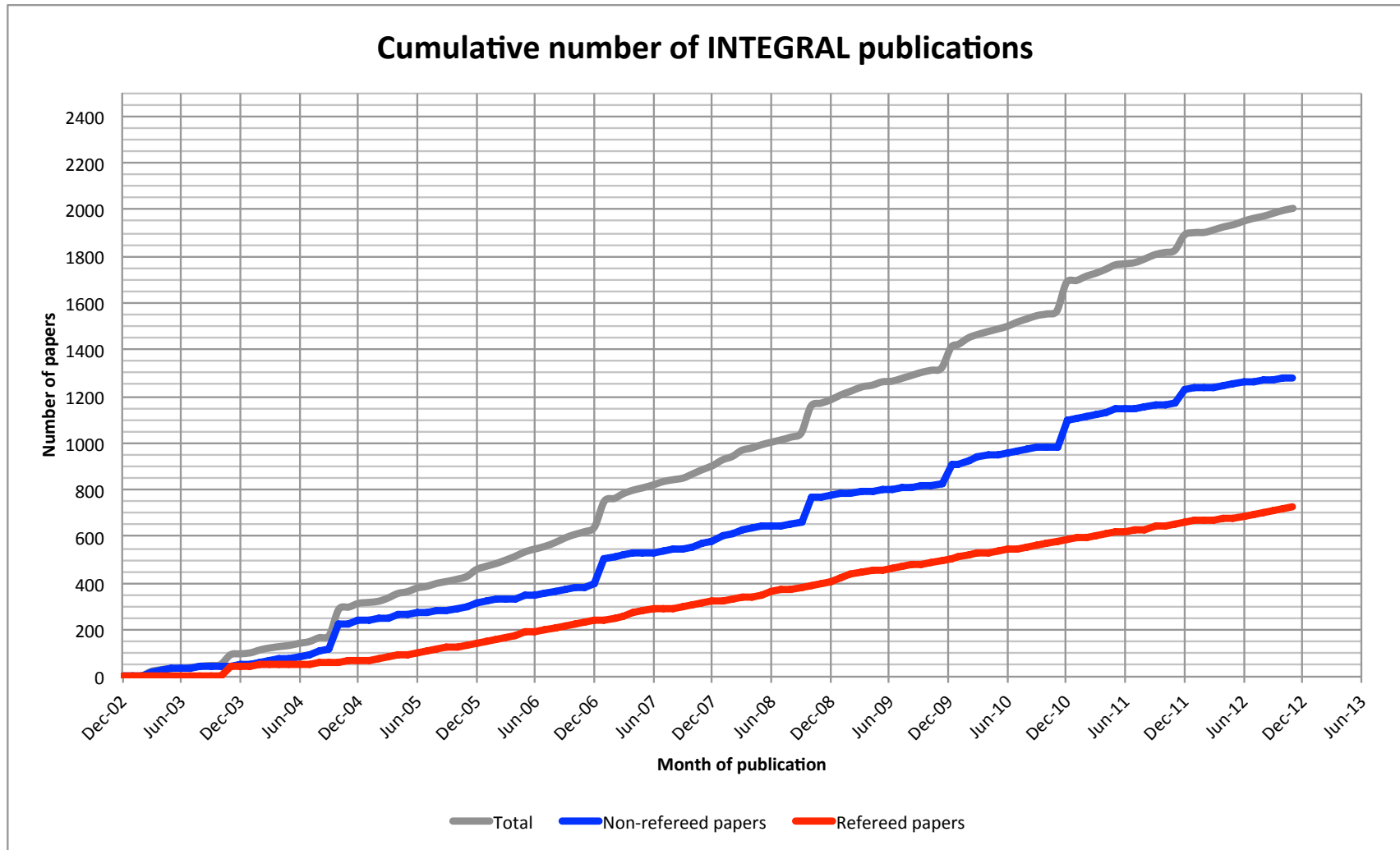
**Outreach**

## Outreach: status since last meeting (January 2012)

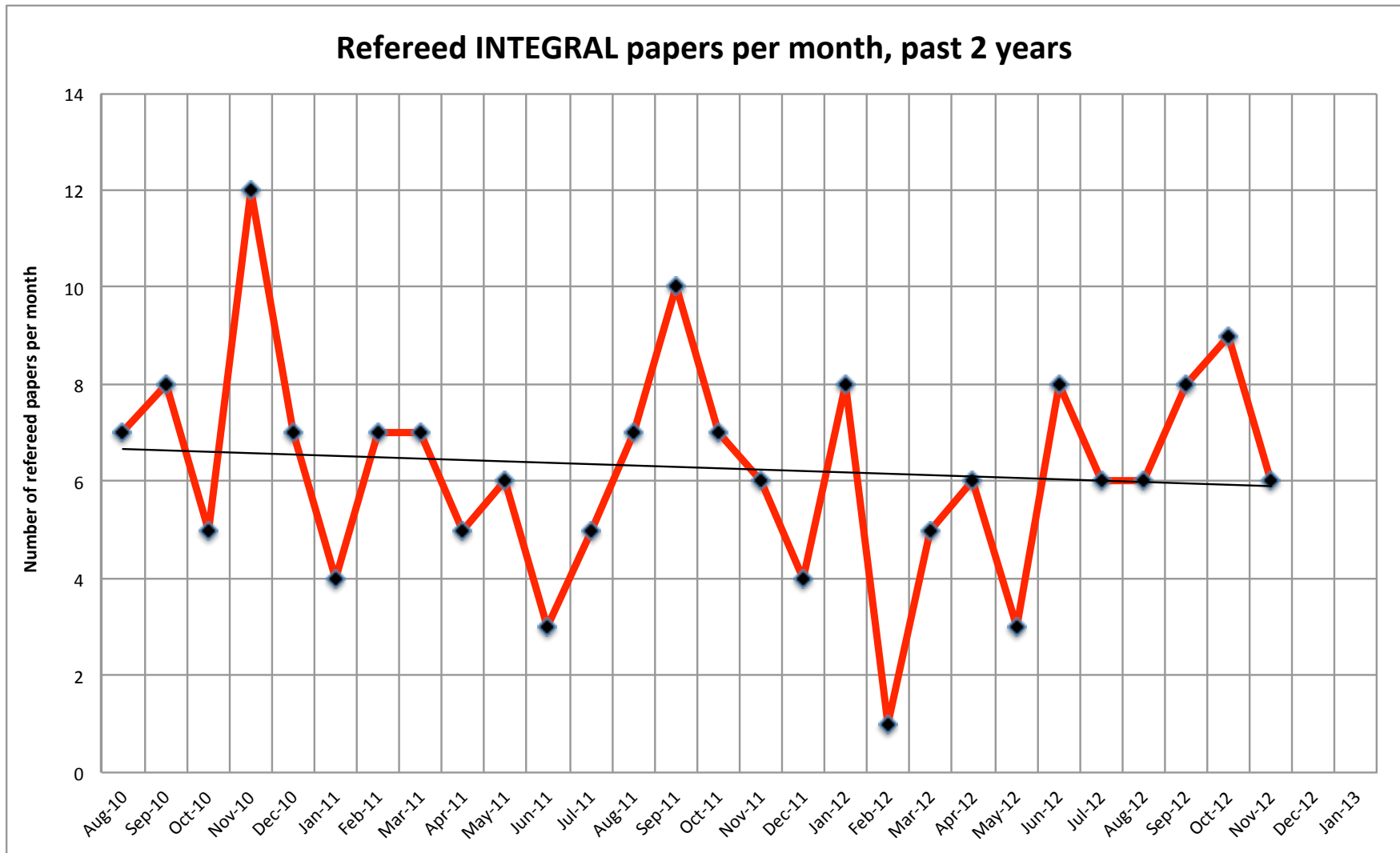
Outreach Activity	Status
9th INTEGRAL Workshop (15 - 19 October 2012) and 10th INTEGRAL launch anniversary (17 October 2012).	Videos, school competition, brochures, articles, stickers ...
<b>Web-stories</b>	
INTEGRAL reveals new facets of the Vela PWN (Mattana et al.)	25 Jan 2012
Massive glitch moves magnetar modelling forward (Kuiper et al.)	12 April 2012
Explore the high-energy universe - competition results (10 <sup>th</sup> launch anniv.)	31 May 2012
INTEGRAL finds titanium in supernova remnant 1987A (Grebenev et al.)	17 Oct 2012
Integral: a decade revealing the high-energy sky (10 <sup>th</sup> launch anniv.)	17 Oct 2012
INTEGRAL celebrates a decade of discoveries (10 <sup>th</sup> launch anniv.)	17 Oct 2012
Astronomers develop new method to determine neutron star mass (Manousakis et al.)	9 Nov 2012
Black hole wakes up, snacks on wandering planet (Nikolajuk & Walter)	In preparation ...

Suggestions and proposals for new outreach products to Chris, please

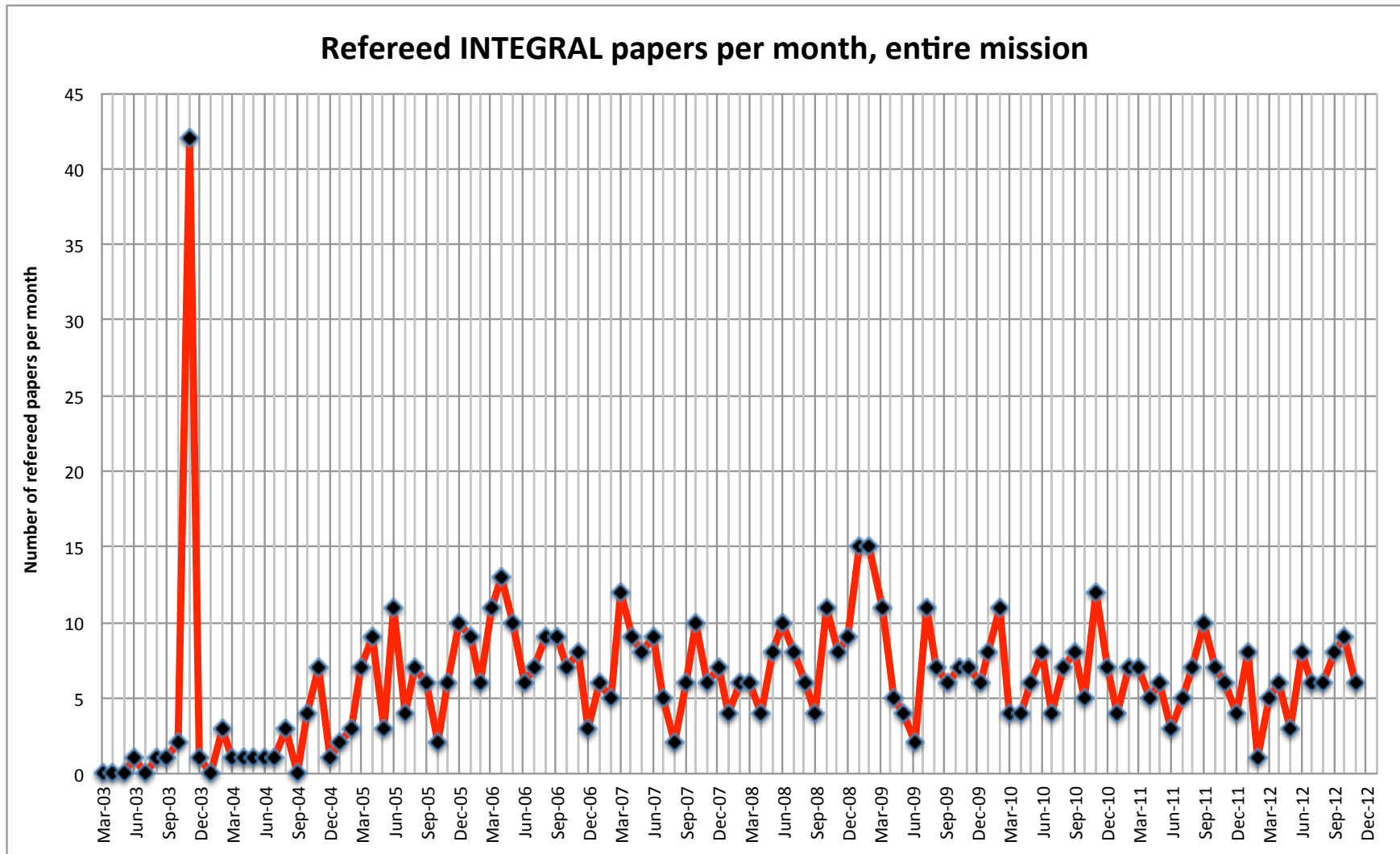
# Publications (Oct 2002 – Nov 2012)



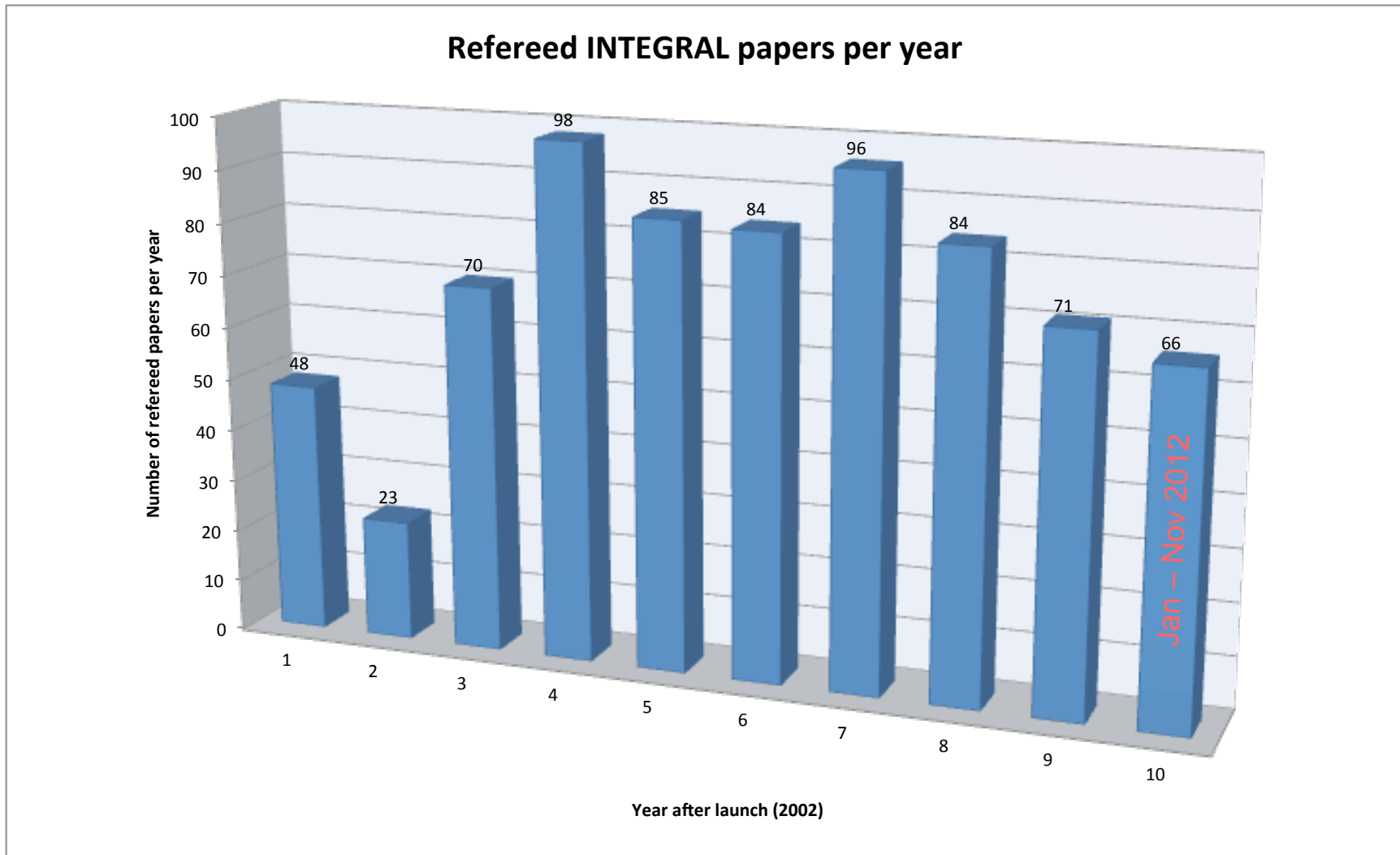
# Monthly publication rate, past 2 years



# Monthly publication rate, entire mission



# Yearly publication rate



# IUG Dinner

- Tonight, **19:00**, Restaurant “De Zeemeeuw” ( *‘The seagull’* )
- Opposite the lighthouse, on the beach (!)
- Koningin Wilhelminaboulevard, Noordwijk,  
T:071-3625295

