

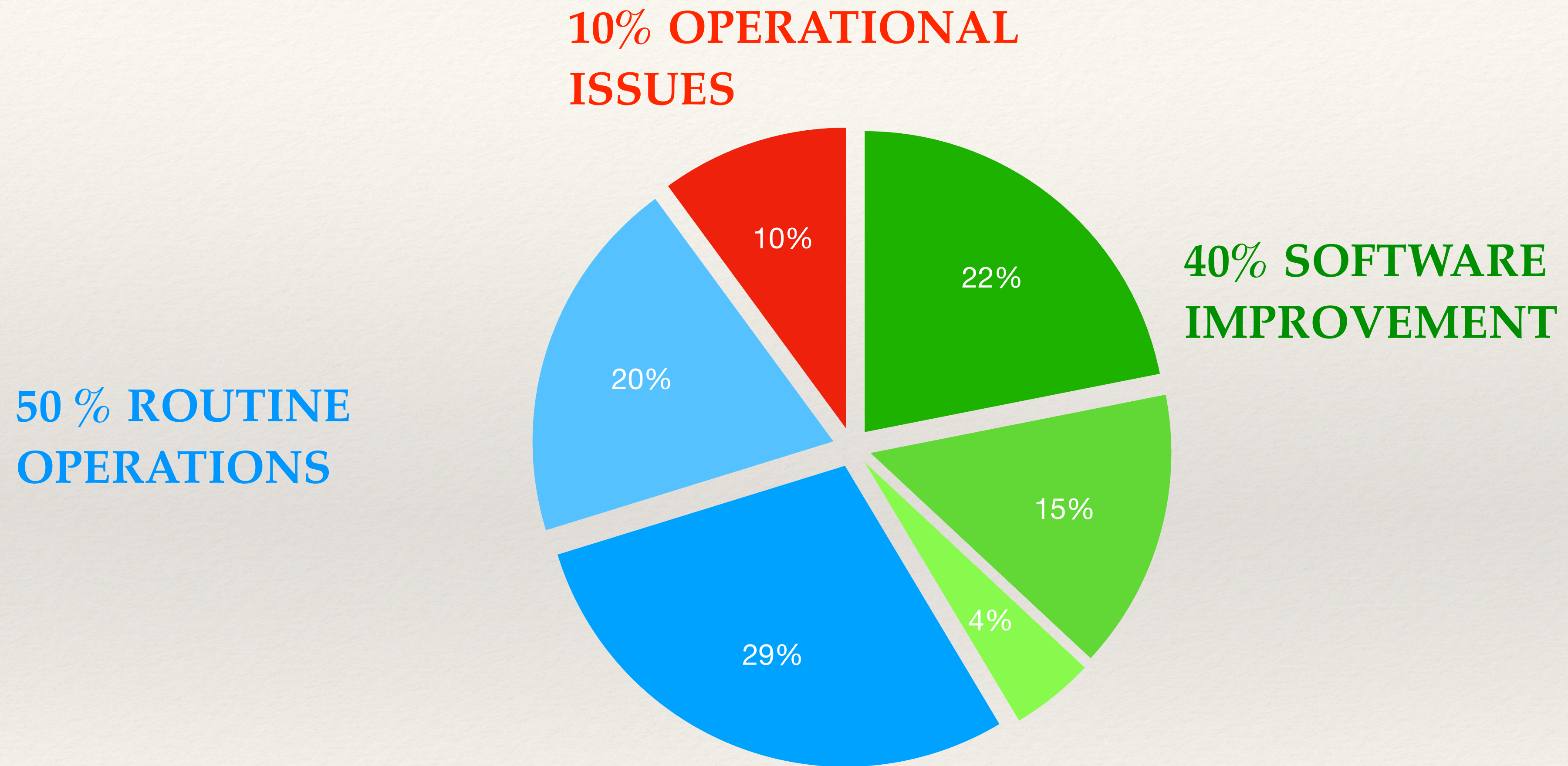
XMM-Newton Science Archive Status

XMM-Newton Users' Group Meeting #25

26 June 2024

XMM-Newton Science Archive Status

PAST YEAR ACTIVITIES (May 23- June 24)

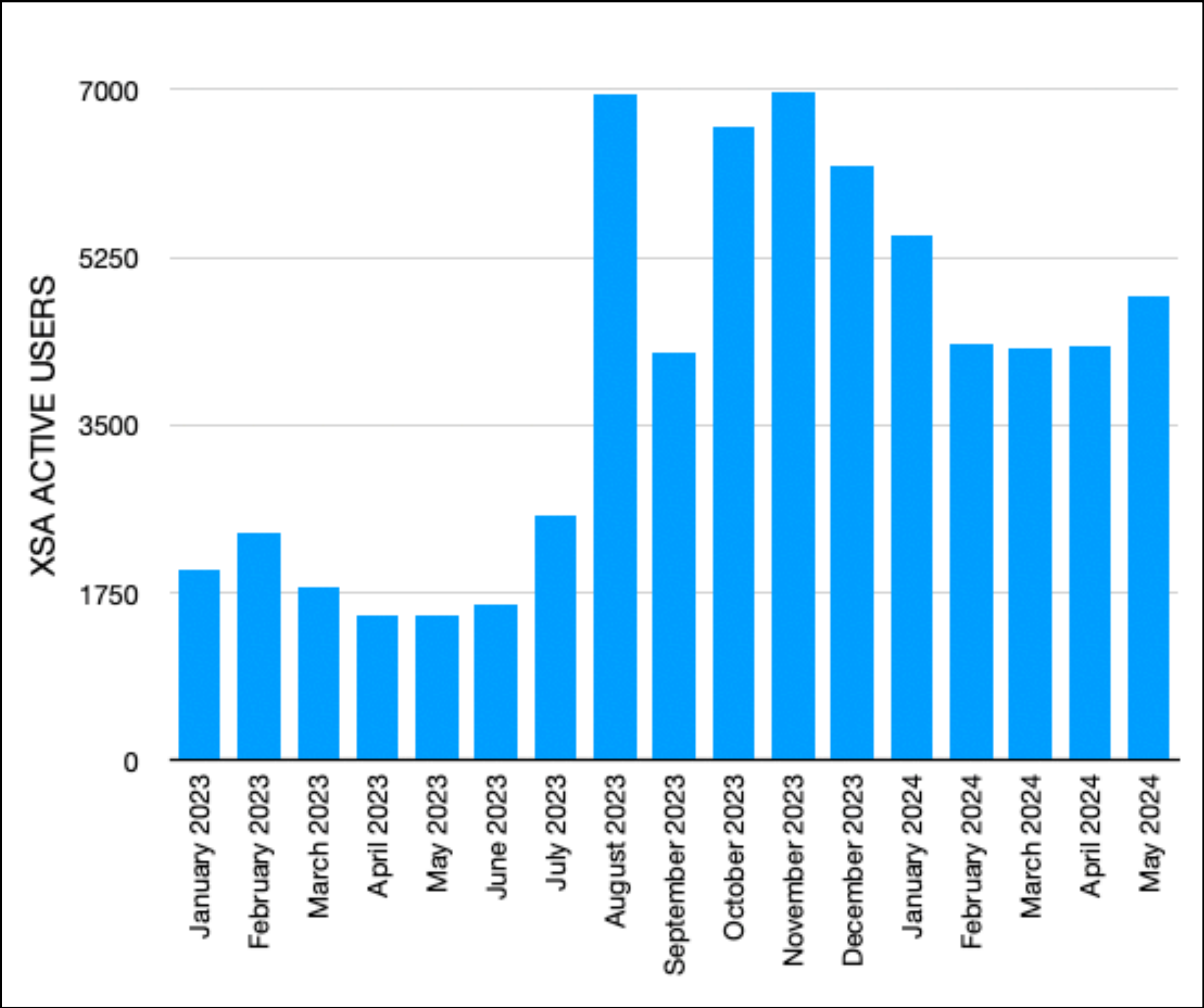


XMM-Newton Science Archive Status

XMM-Newton Routine Observations

	XSA-16.4 11 June 24	XSA-15.2 17 April 23	Increment
Pointed Observations	16,568	15,667	901
EPIC PPS sources	1,117,659	1,040,356	77,303
OM PPS Sources	13,796,809	13,315,633	481,176
Slew Survey PPS Sources	125,147	99,766	25,381
Slew Observations	5,382	5,161	221
Radiation Monitor Files	Up to Rev 4079	Up to Rev 4079	-
Proposals	4,565	4,394	171

XSA Active Users downloading data

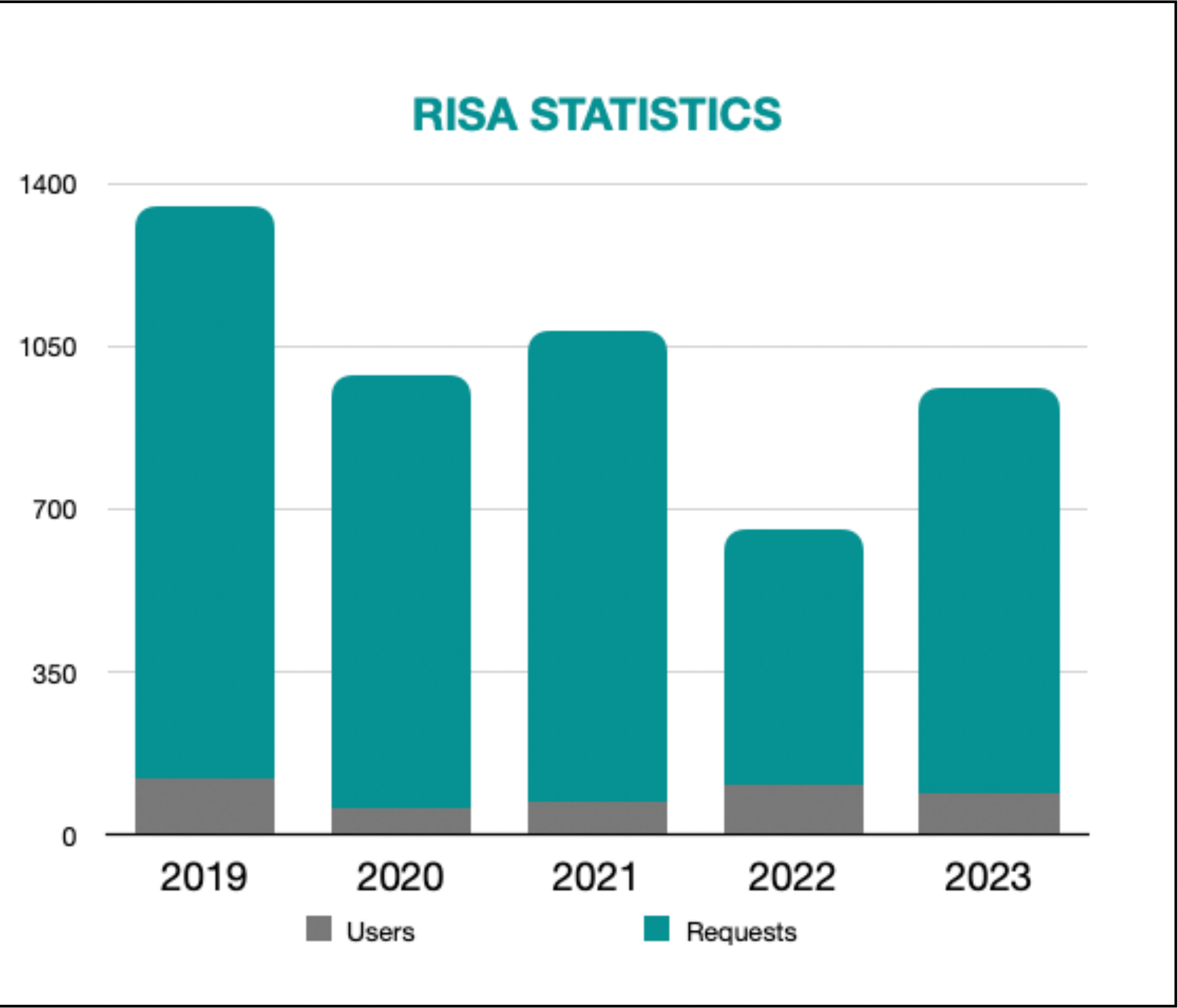


XMM-Newton Science Archive Status

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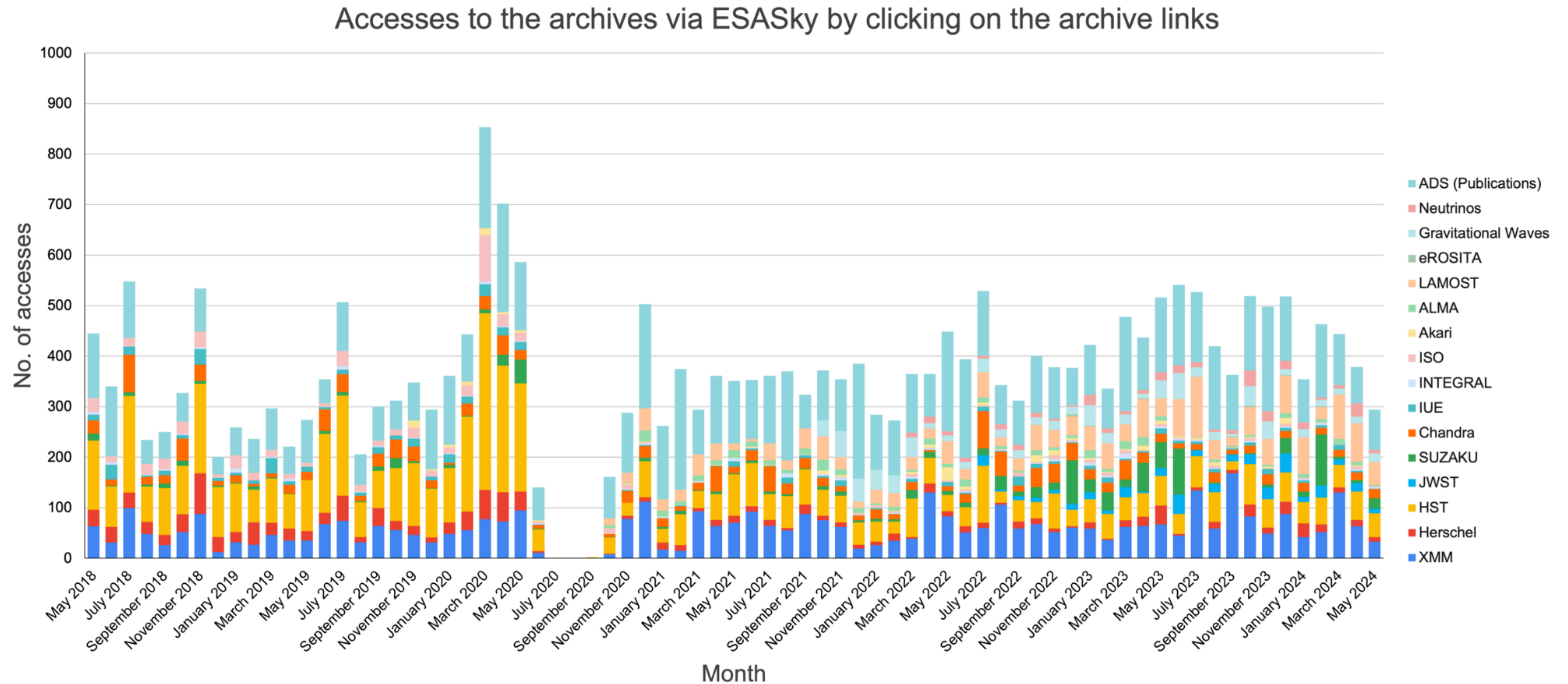
RISA Users and Requests



XMM-Newton Science Archive Status

Accesses to Archives in ESASky by clicking on archive links

XMM-Newton



XMM-Newton Science Archive Status

PAST YEAR ACTIVITIES (May 23- June 24)

XSA-16.0-16.1

*12th June 2023
16th August 2023*

XSA-16.2

17th October 2023

Angular-XSA-o.1B

Feb 2024

XSA-16.4

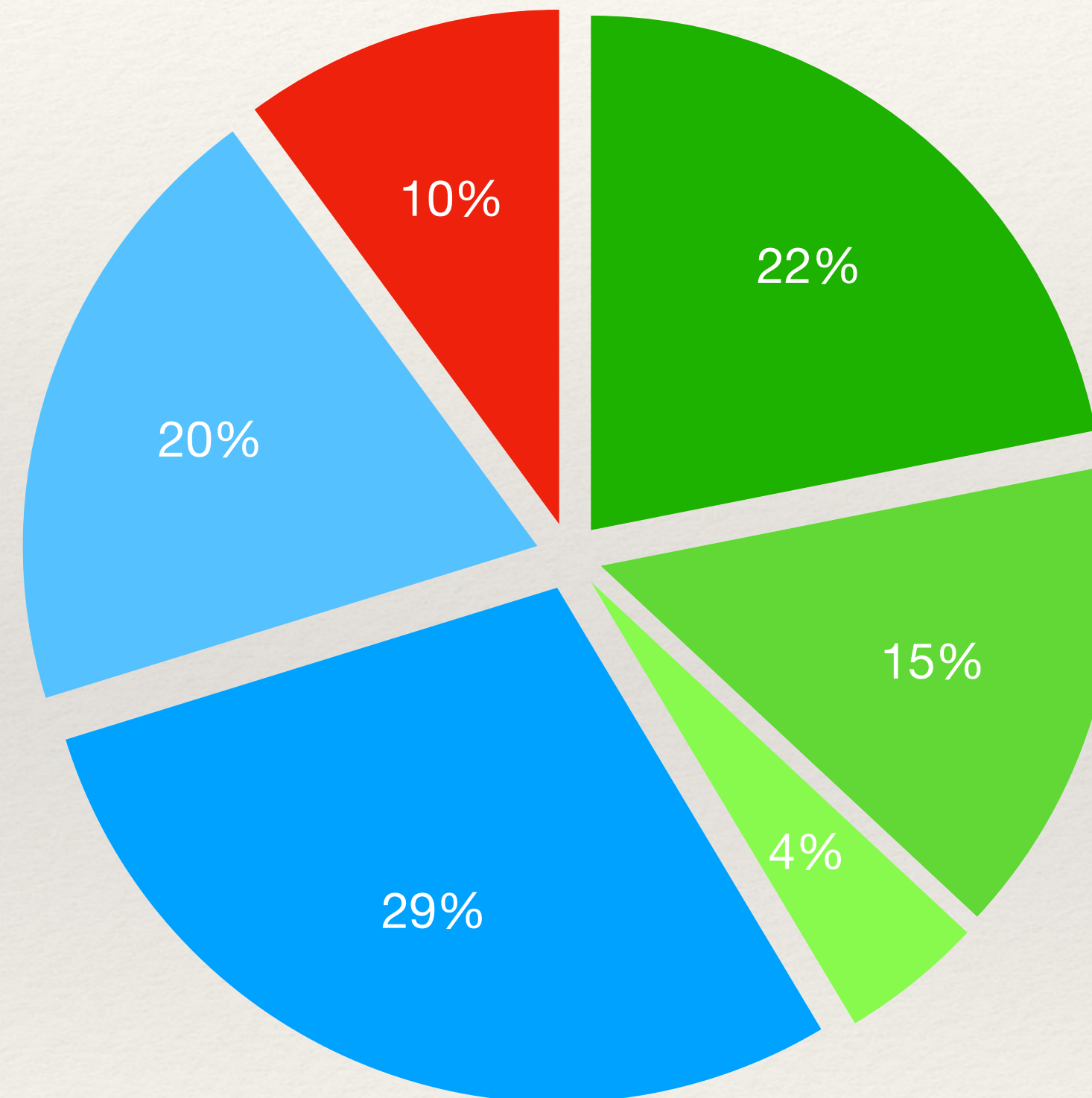
15th May 2024

50 % ROUTINE OPERATIONS

20% 4XMM-DR13, 4XMM-DR13S & OM SUS 6 catalogue ingestion

29% EPIC HiPS Ingestions

10% OPERATIONAL ISSUES



40% SOFTWARE IMPROVEMENT

15% Automatic Ingestion (not finished)
4% Angular Migration
22% Internal Software update

ESASky 6.0

22th Feb 2024

ESASky 6.0

23rd May 2024

ESASky 6.2

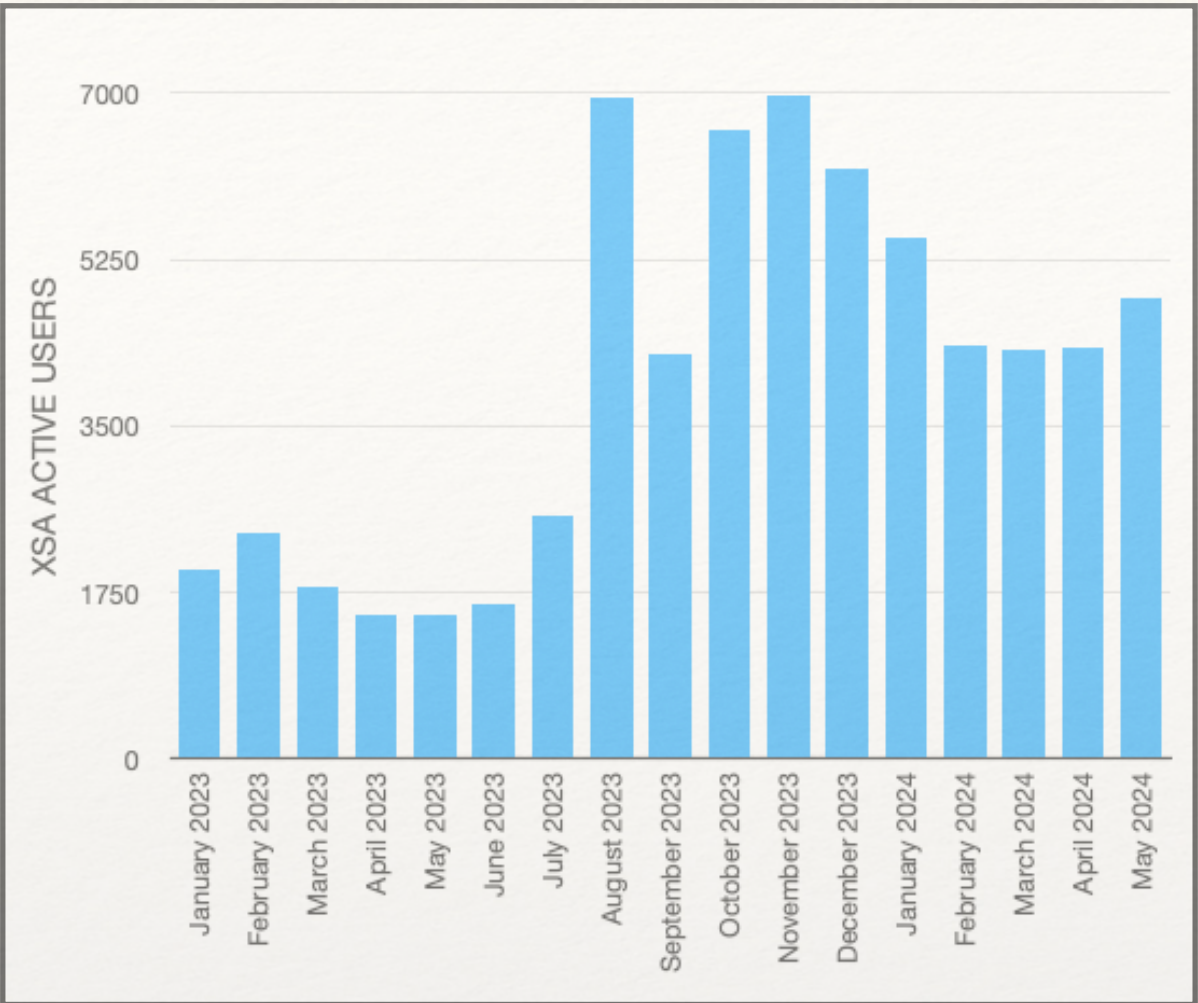
11th June 2024

XMM-Newton Science Archive Status

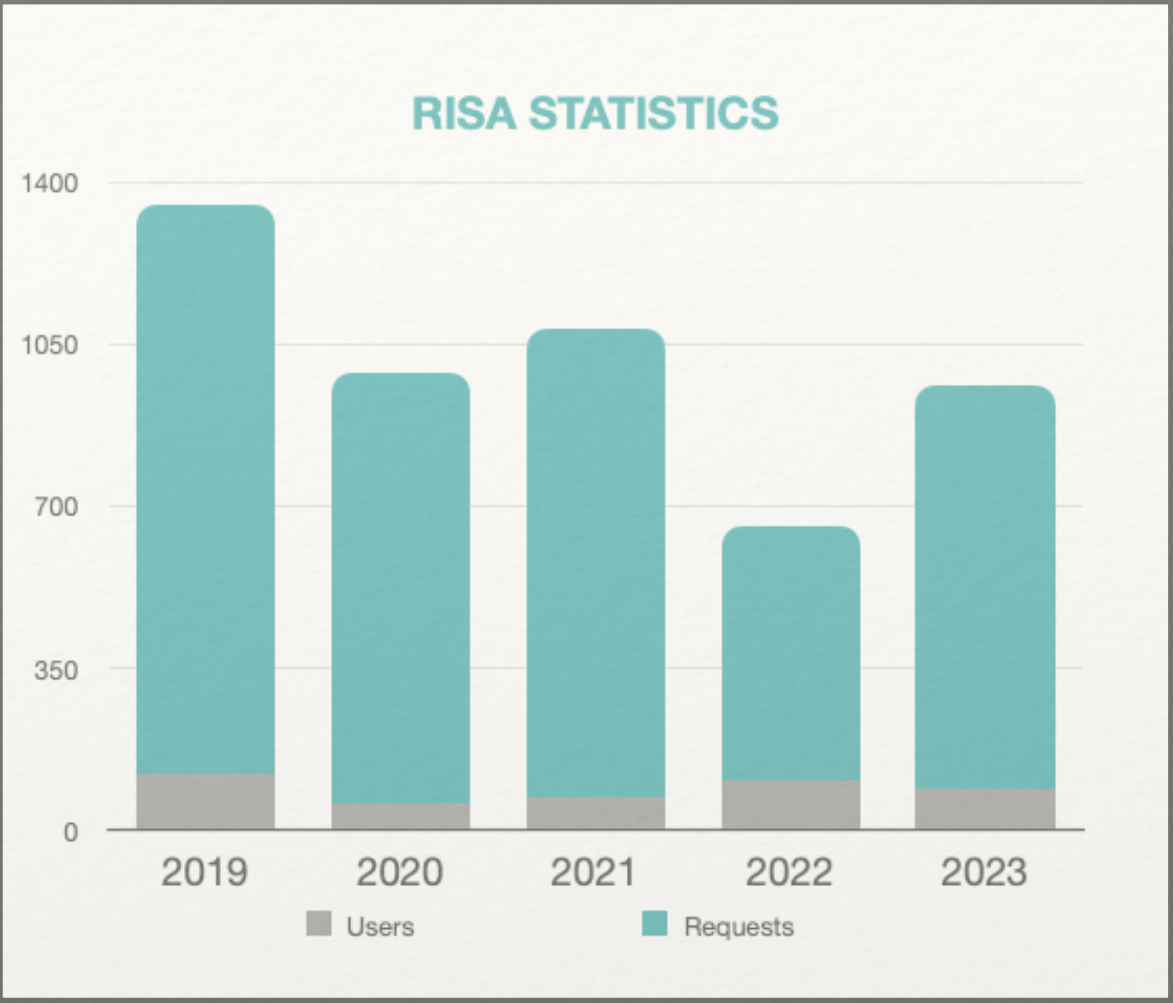
XMM-Newton Catalogues

	XSA-16.0 Oct 24	XSA-15.2 April 23	Increment
4XMM-DR13 Catalogue of Serendipitous Sources	983,948 (681,993)	929,270 (656,997)	54,678 (24,996)
4XMM-DR13S EPIC Stacked Catalogue	401,596	386,043	15,553
OM Sources Catalogue (OM- SUSS6.0)	9,920,390	8,863,922	1,056,468
Clean Slew Survey Catalogue (XMMSL2)	72,352	72,352	-

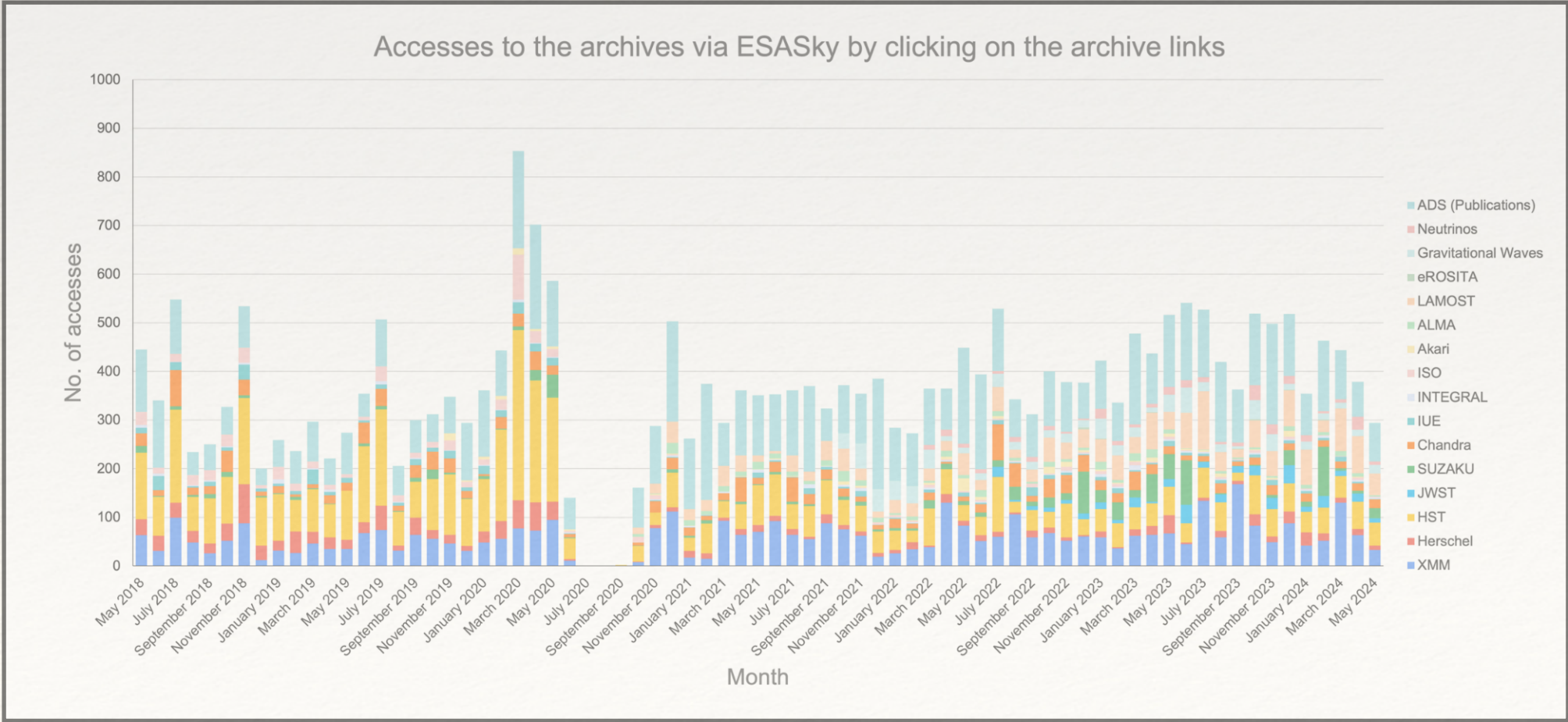
XSA Active Users downloading data



RISA Users and Requests



Accesses to Archives in ESASky by clicking on archive links

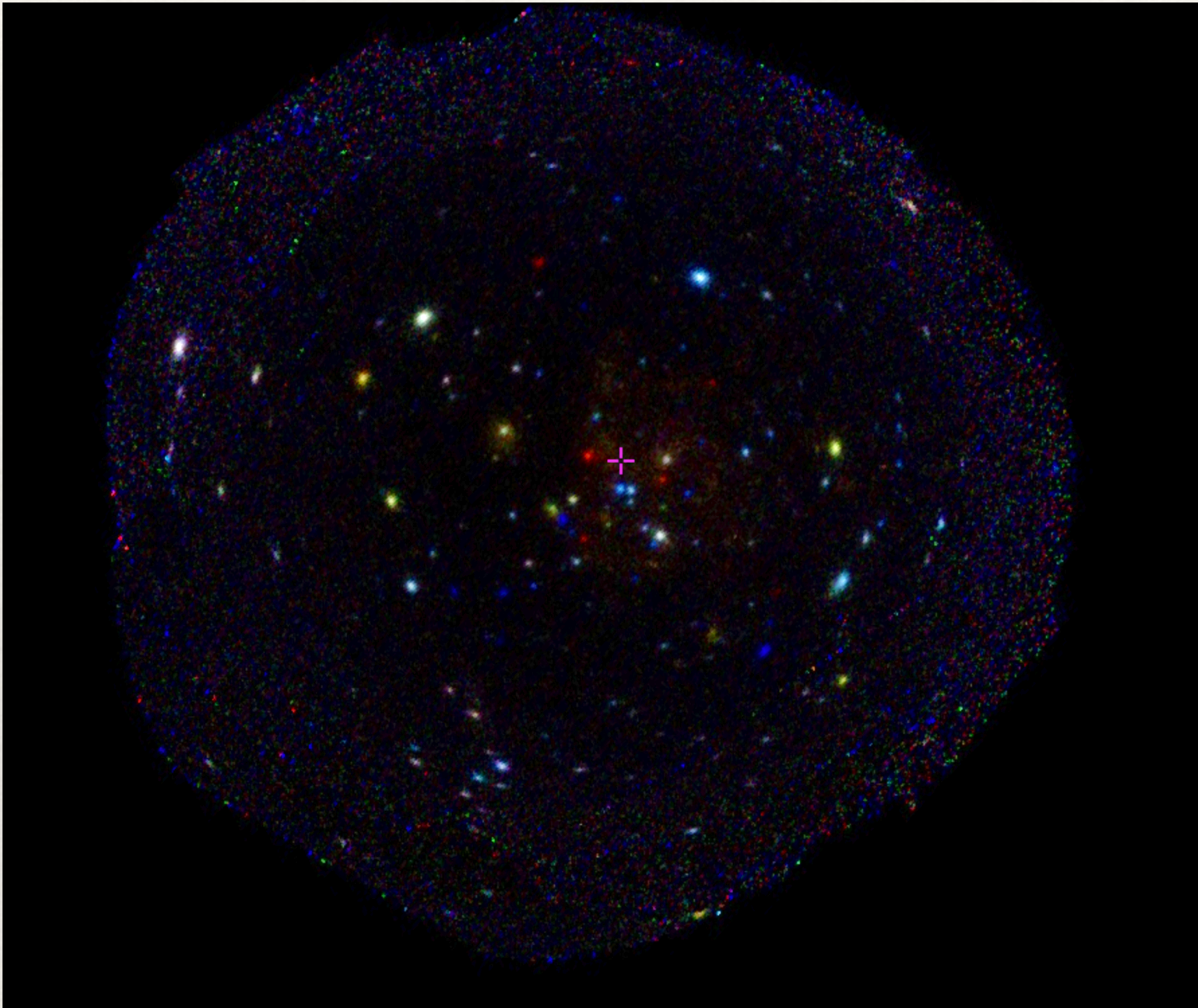


XMM-Newton Science Archive Status

PAST YEAR ACTIVITIES (May 23- June 24)

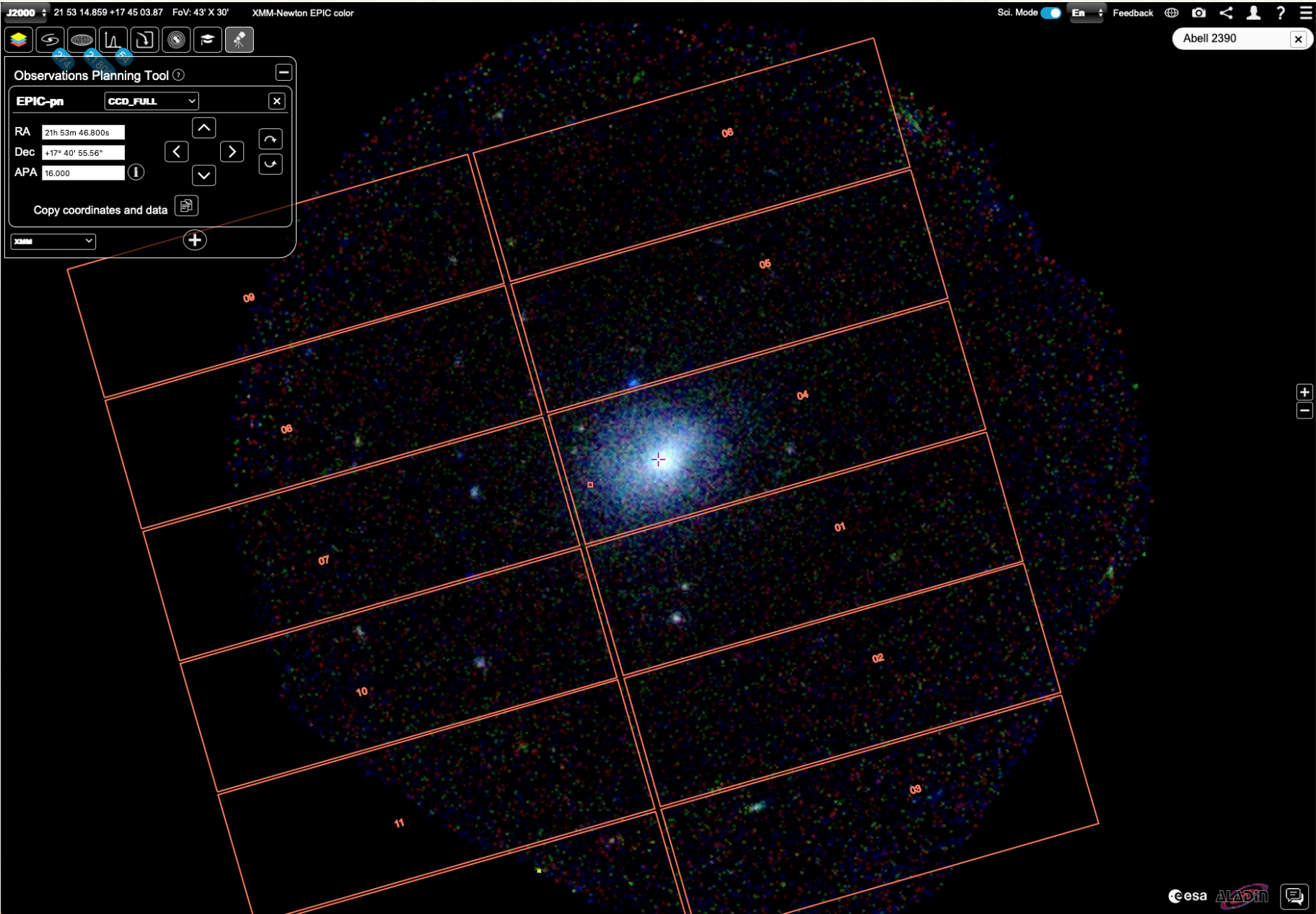
EPIC HiPS in ESASky

M101



EPIC-pn Planning Tool in ESASky

Abell 2390



OM HiPS in ESASky

M101



XMM-Newton Science Archive Status

PAST YEAR ACTIVITIES (May 23- June 24)

Angular Basic Search

XMM-Newton Science Archive

Home

Search

User Guides

esa

EXPAND ALL

COLLAPSE ALL

Basic Search

Spatial Search
Target

Field of View
Observation FoV

Target
ngc4303

'ngc4303' resolved: 185.47886774286997 4.47377704644

SEARCH

CLEAR

	Observation ID	Observation Equatorial Sp...	RA	Dec	Proprietary End Date	Proposal ID	With Science
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1 items

Page Size 50FirstPrev1NextLast

(v-0.2.0-SNAPSHOT)

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European Space Agency

XMM-Newton Science Archive Status

SUMMARY AND FUTURE WORK

Accomplished Projects in this Period: 2023-2024

- Ingestion of the 4XMM-DR13 Catalogue
- Ingestion of the 4XMM-DR13S Catalogue
- Ingestion the OM-SUSS-6 Catalogue
- XMM-Newton HiPS in ESASky (only EPIC)
- EPIC-pn footprints in ESASky
- Web Framework Migration: Angular

XMM-Newton Science Archive Status

SUMMARY AND FUTURE WORK

Projects for next Period: 2024-2025 (Partial)

- Include OM HiPS in ESASky (July 2024)
- Finalised automation of the ingestion of the Slew catalogue
- Automation of the 5XMM-DR15 catalogue
- 4XMM-DR14(S) (July 2024) & 5XMM-DR15 catalogues ingestion
- Slew catalogue ingestion
- OM catalogue ingestion
- Bulk reprocessed data ingestion
- Suggestions by UG

XMM-Newton Science Archive Status

SUMMARY AND FUTURE WORK

Pending Projects

- Multiwavelength Searches: The UG recommends that the XSA enables queries that make use of the multi-wavelength information included in the catalogue (UG: 2021-06-10/07)
- XMM-Newton HiPS: The UG recommends to update the XMM-Newton Hierarchical Progressive Surveys (HiPS) in ESASky, which is lacking a few years of observation, and to maintain afterwards regular update visible in ESASky in a timely manner.(UG: 2023-05-11/07) **Partially done.**
- Include XMM-Newton Outreach PR and Gallery pictures in XSA (suggested by PS)
- Anonymous download of multiple observations (suggested by PS)
- Further develop XMM-Newton astroquery module
- Visual display of selected products: EPIC-spectra, OM ...
- Advanced ADQL searches in the web XSA.
- Link to other ESA missions observations of the same field or object through XSA