

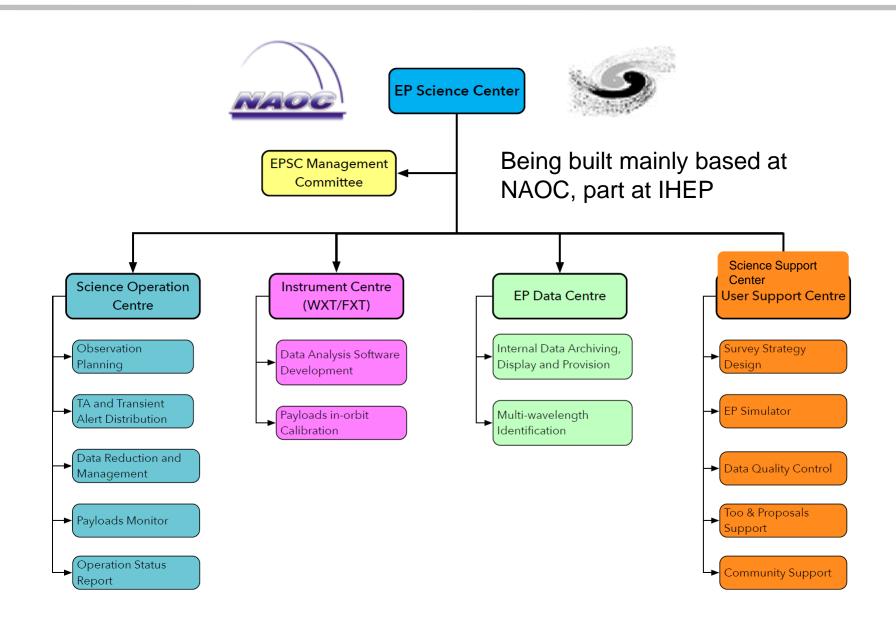




The Status of **Einstein Probe Science Center** Chinese Academy of Sciences

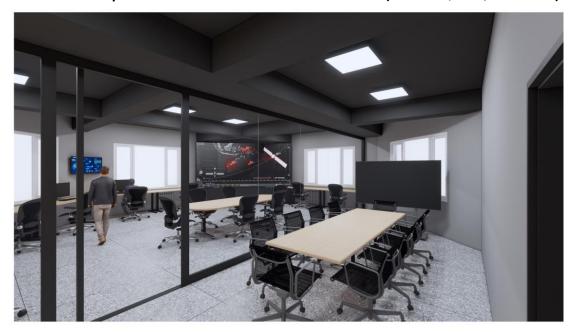
On behalf of EPSC

EP Science Center



Science Operations and Control Room

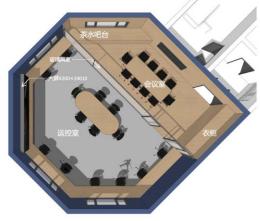
Science Operation and Control Room (NAOC, EP/SVOM)



The Science Operation and Control Room (NAOC) is currently under renovation and is expected to be fully equipped in about two months. It will provide various software and hardware services for scientists, including payload monitoring, data analysis, and observation plan applications.



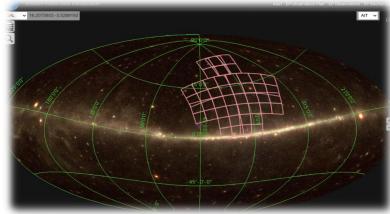




Visualizing Tools for monitoring

ID	观测请求编号	观漫类型	状态
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283	5955c33c-ba64-4366-8f6b-531ace 23c022	ToO-NOM-AT	已提交
282	a94ccbe6-5e76-4217-a853-e6dc4 d57bf57	ToO-NOM-AT	已提交
281	1200bb3b-c579-454b-8449-397f61 e2430e	ToO-NOM-AT	已提交
280	81c3aa89-d811-4b21-94f4-f4b662 290000	ToO-NOM-AT	已提交
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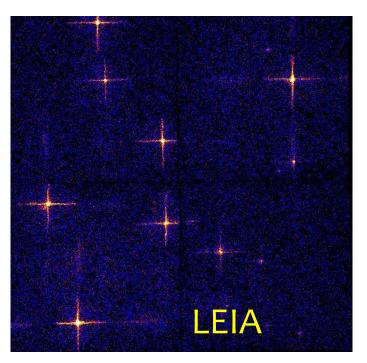


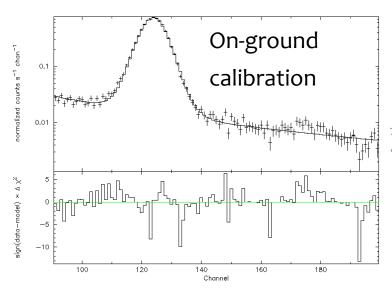


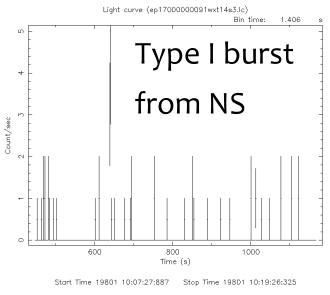
The operation and control room provides a variety of monitoring tools. Near real-time information via VHF

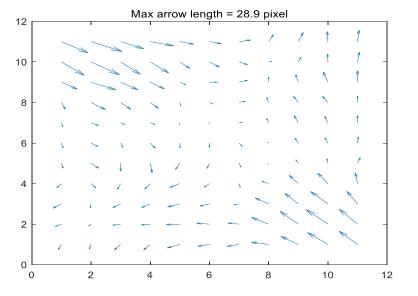
WXT Data Analysis software

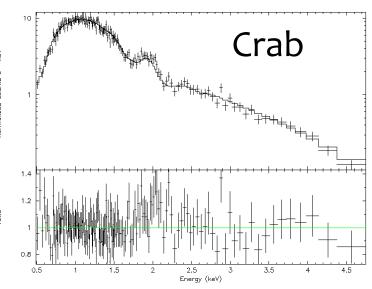
- Define data products
- Build CALDB
- Develop and test software
- HEASARC framework





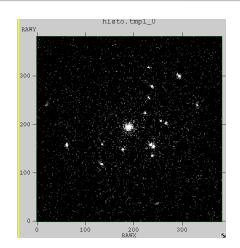




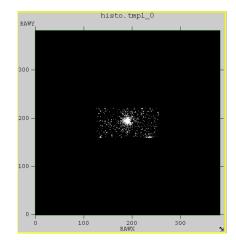


FXT Data Analysis Software

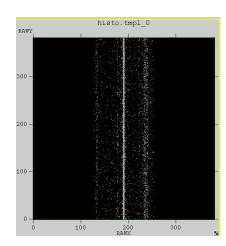
- FXT-DAS
- FXT-CALDB
- HEASARC framework



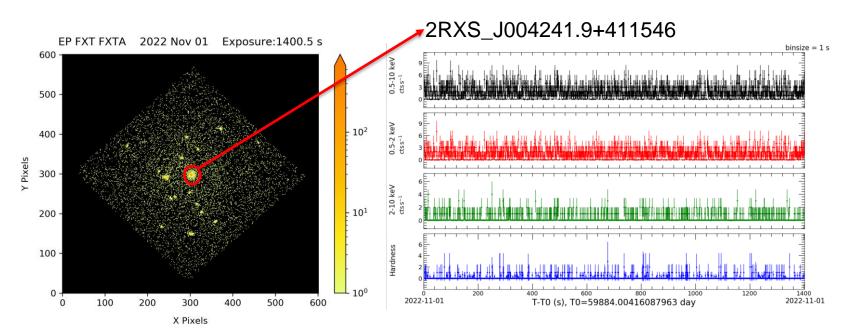
Full frame

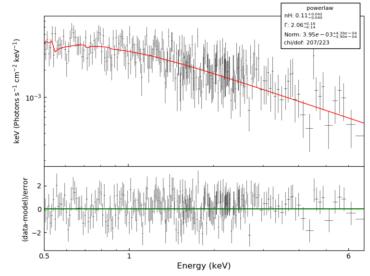


Partial window



Timing mode

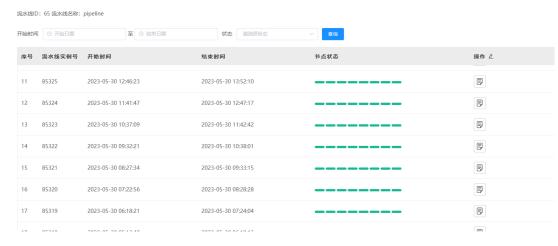




Pipelines

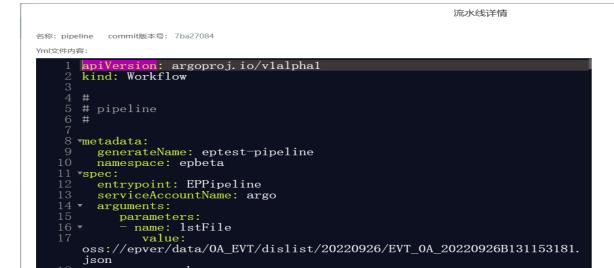
Pipelines





Pipelines status

Pipelines History

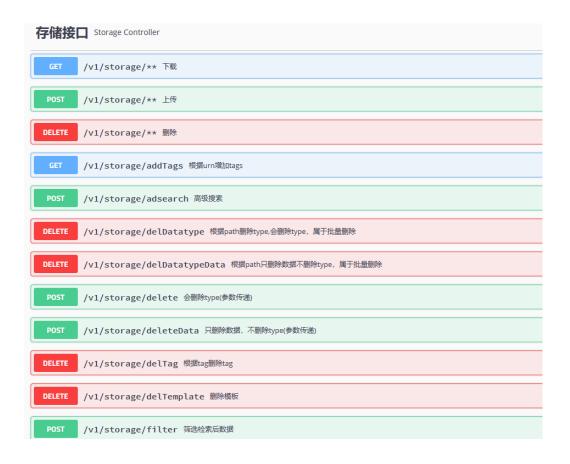




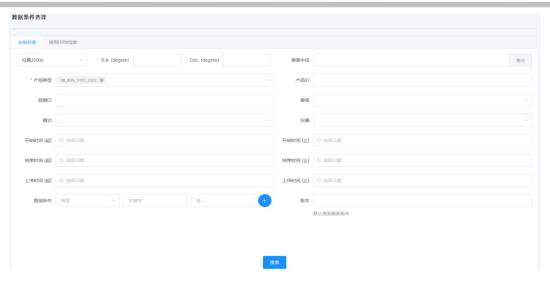
Pipelines Details

Products Management

Products



Products API

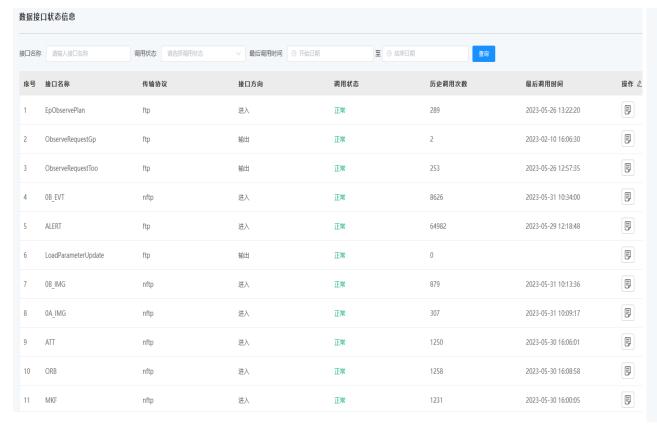


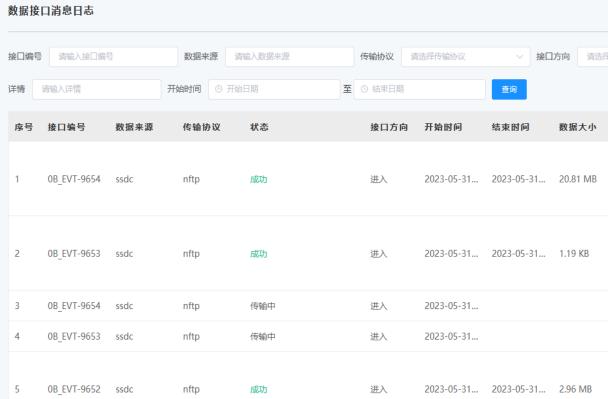
收据下载 搜索摘要 产品类型=0B_IMG_SY01_SSDC										
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	4	0	1.3			IMG_0B_20230528B061325955.json	2023-05-28 0 6:35:31			
	5	0	1.3			SY01_WXT_0B_IMG_20230526T02341 2_0AA.xmI	2023-05-27 1 2:31:31			
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	7	0	1.3			SY01_WXT_0B_IMG_20230519T03541 2_0AA.xmI	2023-05-20 0 7:04:50			
	8	0	1.3			SY01_WXT_0B_IMG_20230519T03550	2023-05-20 0			

WEB UI

Interfaces Management

Interfaces





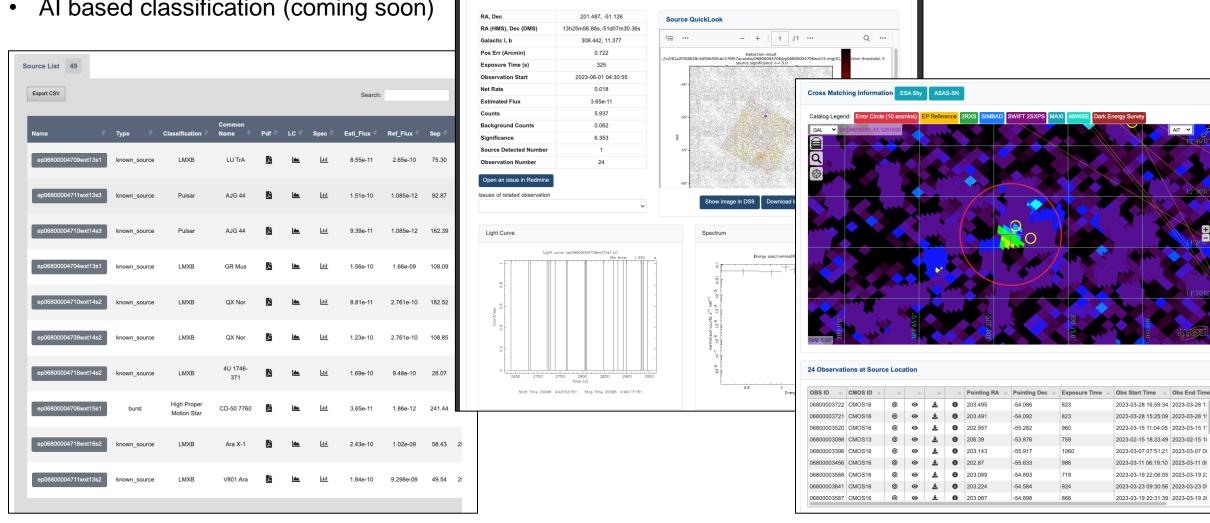
Interfaces status

Interfaces messages

Transient Identification

ep06800004706wxt15s1

- Comparison of archived X-ray catalogues
- Multi-wavelength data as reference
- Al based classification (coming soon)

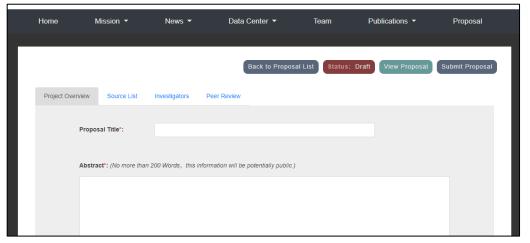


Proposal Tools

Proposal submission and review



Proposal Management



Proposal Content Filling



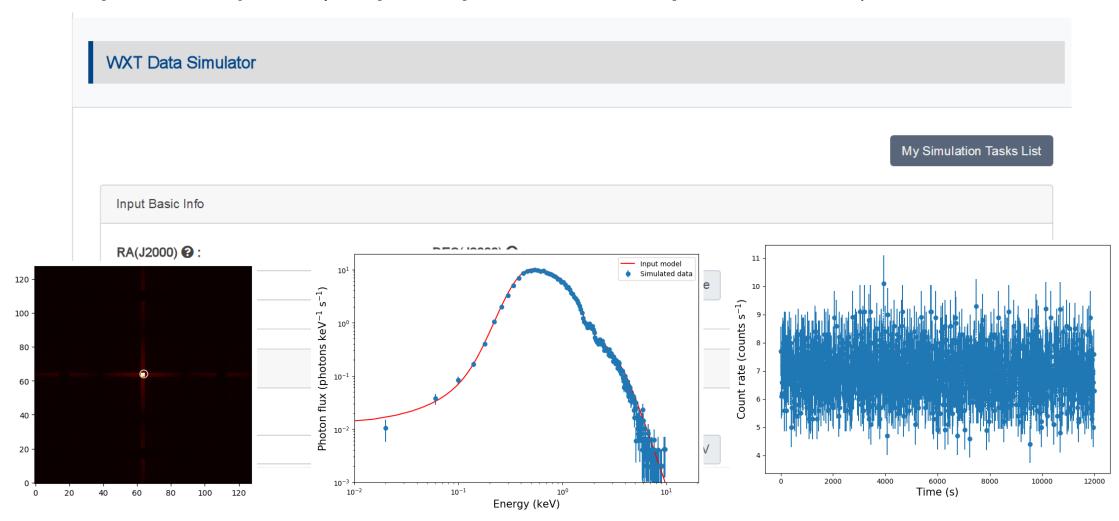
Science Use Case Submission



Proposal Review Management

WXT/FXT online simulator

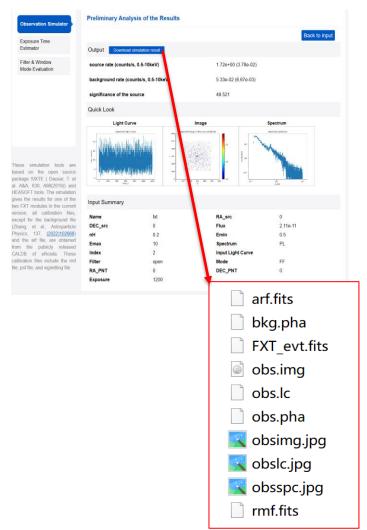
Simple and quick (https://ep.bao.ac.cn/ep/simulator/)



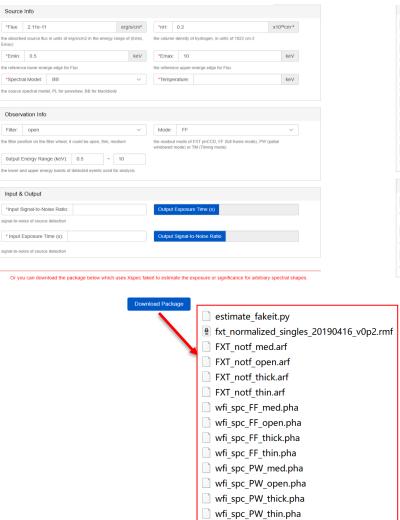
FXT Online Tools

http://epfxt.ihep.ac.cn/simulation —— 提供: 快视结果 & 数据文件下载

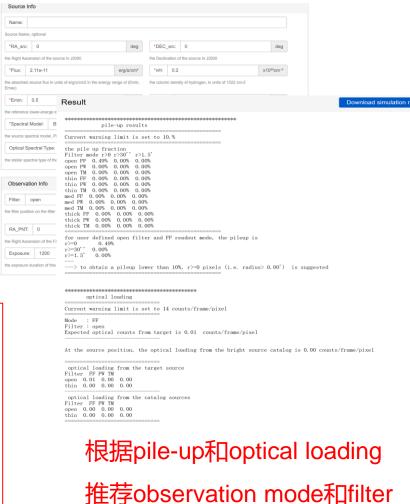
Observation Simulator



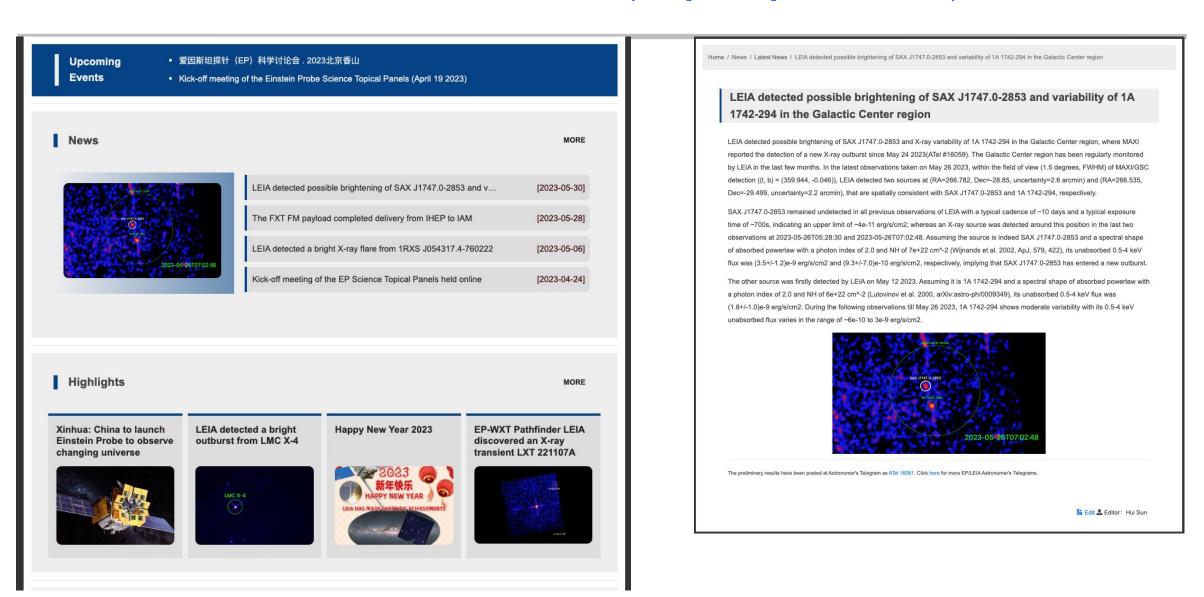
Exposure Time Estimator



Filter & Window Mode Evaluation



News and Announcement (https://ep.bao.ac.cn)



Access to the most current updates on EP-related news, events, transient alerts, and proposal call

Science Team and the STP Kick-off meeting

- Built the EP science team: STP members and associate members
- Current team: STP members (~90), associate members (~120)



Scientific Activities:

- International STP Kick-off meeting,
 19th April 2023
- Online user meeting, 11th Nov. 2022



Summary

- Significant progress since 2017
- Develop and test software
- Verify some functions by LEIA (obs planning, instrument monitoring, WXT data reduction, Beidou alert, TA management, transient identification, alert distribution)
- Update FM CALDB of WXT/FXT
- Interface testing with VHF and ground supporting system
- Whole system test (August)
- Distribute software and train TA

Thanks!