

ICAT at ISIS

ICAT +

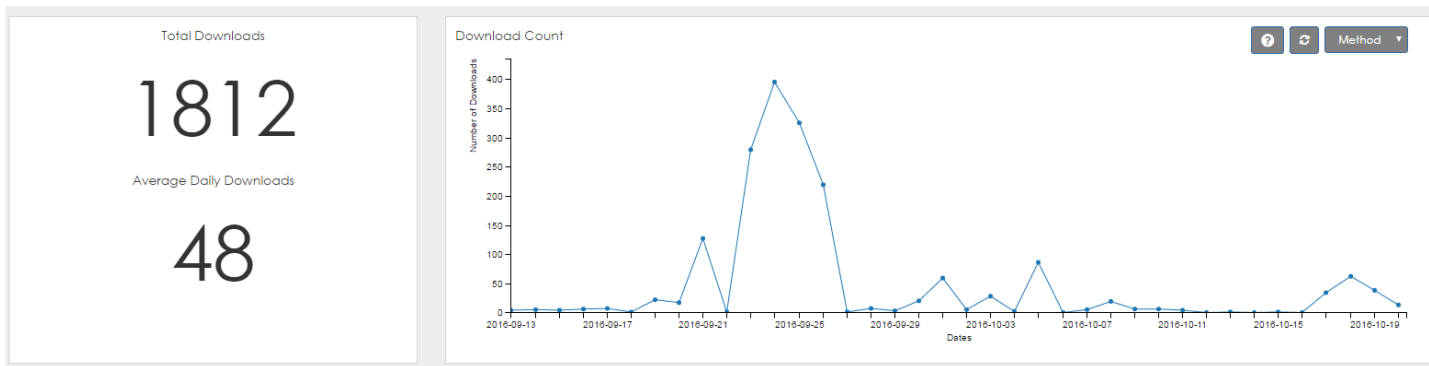


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ISIS

Some background...

- Over 14 million datafiles
- Nearly 2,000 downloads in this cycle
- Deployed ICAT, TopCAT, Dashboard...



WebDav

File folder (1)



ISIS
File folder



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ISIS

Historic DOIs

Investigation title: Why are donuts so tasty?

- **A** **Release date:** Sun May 01 08:28:29 BST 2011
- **E** **Creator:** *Dr Homer Simpson*
- **E** **DOI:** 10.5286/ISIS.E.24003093
- **F** **Date of Experiment:** Mon Mar 03 09:08:30 GMT 2008
- **F** **Publisher:** STFC ISIS Facility
- **E** **Data format:** RAW/Nexus
Select the data format above to find out more about it.

Data Citation

The recommended format for citing this dataset in a research publication is as:
[author], [date], [title], [publisher], [doi]

For Example:

Dr Homer Simpson; (2008): 720002, STFC ISIS Facility, doi:10.5286/ISIS.E.24003093



ActiveMQ

- Maintainable, Scalable and Testable
- Recently moved messages from KahaDb to MySQL
- Future – Even more robust



NXIngest

- Rewrite in Python

- Features for other facilities

- Unit testing

- Maintainability

```
<record type="tag">
  <icat_name> inv number </icat_name>
  <value [REDACTED] </value>
</record>
<record type="tag">
  <icat_name> visit id </icat_name>
  <value [REDACTED] </value>
</record>
<record type="tag">
  <icat_name> instrument </icat_name>
  <value [REDACTED] </value>
</record>
<record type="tag">
  <icat_name> title </icat_name>
  <value [REDACTED] </value>
</record>
```

mapping_let_v1



Questions?



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