WFAU quarterly- December 2016
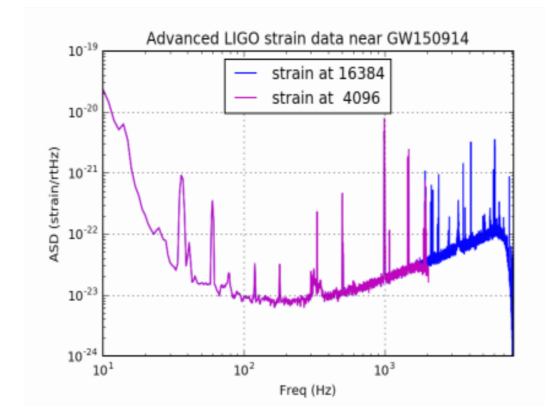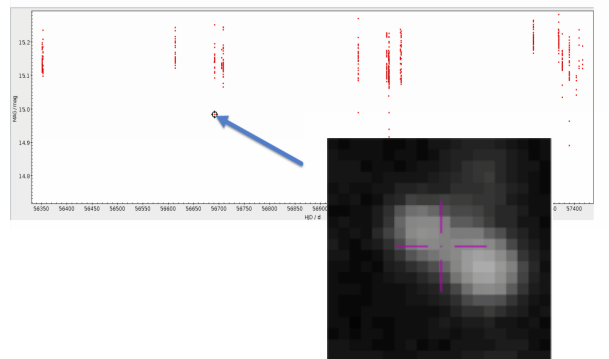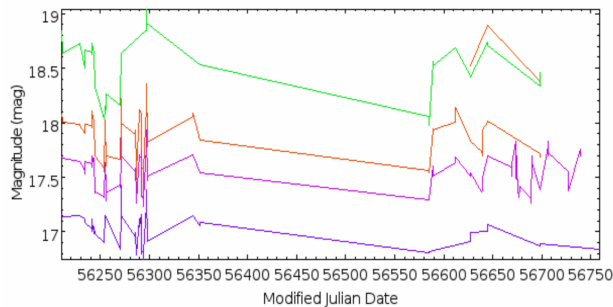
Virtual Observatory services

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December 2016

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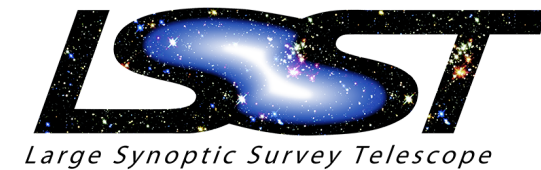**IVOA conference, Trieste, Italy**

- Time domain interest group

  - Sparse cube data model proposal
    - Jiří Nádvorník

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**IVOA conference, Trieste, Italy**

- Time domain interest group

  - Discussion on the future development of VOEvent

    - LSST Firehose and LIGO diamonds
    - Extend protocol to support replay
    - Embedded images in event stream

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IVOA conference, Trieste, Italy**

- Data Access Layer working group

  DAL group decided to delay next version of ADQL until
  BNF grammar has been validated.

  Lyonetia - GitHub project created to work on validating the BNF grammar

  https://github.com/ivoa/lyonetia

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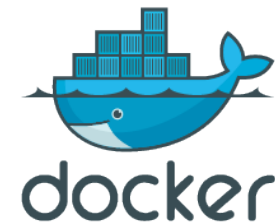IVOA conference, Trieste, Italy**

- Applications working group

  - Proposal for JSON data format

    - Presentation covering existing approaches and options
    - Open discussion on requirements and use case

    - Significant interest from several groups, not least LSST
    - Working on IVOA note to combine input from ROE, LSST, CADC + others

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WFAU services**

- Docker containers deployed on new hardware

- Supporting test, development and live deployments

  - Test infrastructure deployment – in testing

  - Genus demo deployment – in progress

  - Pathfinder for other VO services

    - OSA archive pages
    - WFAU TAP services
    - Cone search services

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WFAU services**

Most VO institutes provide a single TAP service containing multiple data sets.

- CDS
- CADC
- GAVO
- GACS

Current AstroGrid services register individual TAP services for each WFAU archive.

- OSA
- WSA
- VSA
- SSA

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WFAU services**

Deployment options

Individual TAP services for each WFAU archive

- OSA
- WSA
- VSA
- SSA

Single TAP service containing all the archives

- WFAU

Plan to deploy both options

Evaluate performance of each configuration, including how they are displayed in TopCat and Aladin.

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