Beyond ATels:
The 4PiSky VOEvent Hub

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Outline

Astronomers should email less and sleep more

Web-services, not websites

VOEvent

4PiSky Hub

Transient rates today

Notices / events in a 30 day period around April 2015:

- ▶ GCN: 106 (perhaps 10 new events)
- ▶ ATEL: 146 (probably similar ratio of new / follow-up)
- ▶ GAIA: 17 (public)
- ▶ PTF: 299 (internal)
- ▶ CRTS: 81(CSS) + 105 (MLS) (automatic detections)

Just counting initial events: ∼500 / month, or ∼17 /day

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- Problematic: until the shiny gets built on top, we *need* good documentation and outreach to drive uptake.
  (Where can we improve on this?)

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A quick summary

- Balances standardization vs flexibility.

- Surprisingly comprehensive standard.

- Very little docs five years ago. **Now much improved,** but probably we can do better - talk to us!

- `http://voevent.readthedocs.org` (links to *Comet* doc, *voevent-parse* tutorial,)

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What we can do for you today

▶ Redistribution of NASA-GCN **with custom-filtered multi-format alerts**
(e.g. event class, RA/Dec; VOEvent, email, SMS)

▶ We can either collaborate to set up alerts on our system, or you can DIY following example code:
http://github.com/timstaley/fourpiskytools

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- ▶ Act as a (re-)publication house for **your events**

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- ▶ We plan to provide a central version, but would encourage local project-specific copies. Open sourced install scripts: http://github.com/4pisky/voeventdb-deploy

What we can do for you soon

- VOEvents instead of ATels (Should we try web-scraping?)

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► Anything else?

References

- http://voevent.readthedocs.org

- http://4pisky.org/voevent

- http://voeventdb.4pisky.org *(in beta!)*