

# Operations Interest Group November 2018



## Summary

Tom McGlynn, Chair  
Mark Taylor, Vice-chair

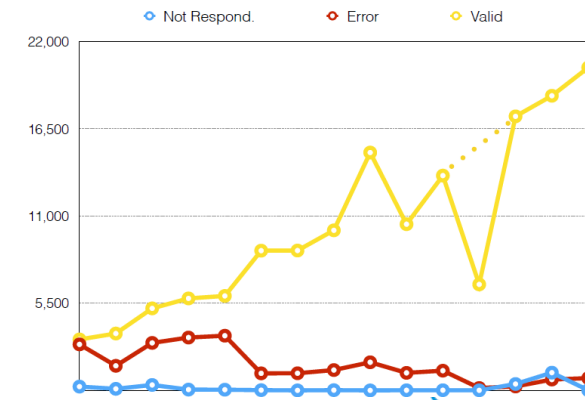


IVOA InterOp Meeting: Nov 8-10, 2018  
College Park, Maryland, USA

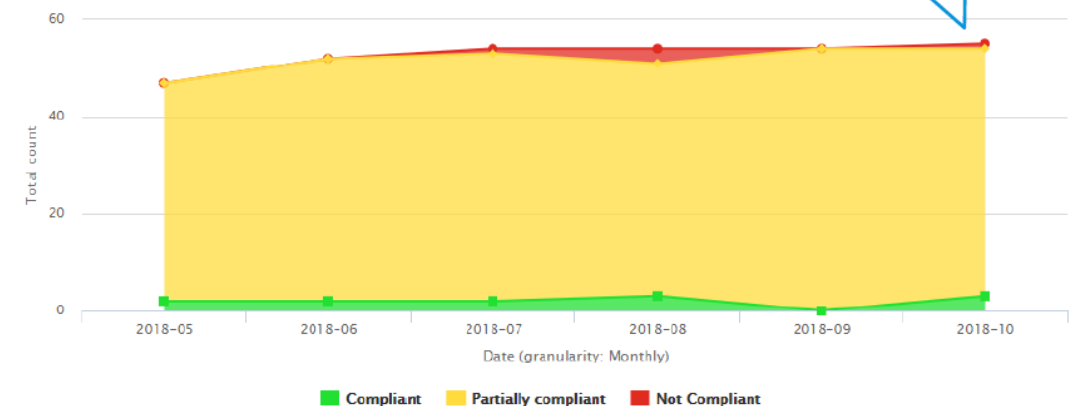
# Monitoring and Weather Reports

- Monitoring services shows VO up times ~98-99% overall.
- Weather reports from VOParis/ESA show:
  - Cone searches are now generally fully compliant with VO standards
  - SIA (v1) reasonably compliant but issues still common
  - SSA, TAP most services show issues.
  - Validation of SIA v2, HiPS and other protocols (e.g., DataLink) not being done or reported on. [PADC to test registered HiPS?]
- Some issues may be most appropriately resolved by updating standards.

CS History



TAP compliance category distribution over time for all registries



# Validators review and identification

- No change in validator coverage, but individual validators have been tweaked somewhat. VOEvent still has no validators.
- Validation (and other non-science queries) can be a significant, sometimes dominant, fraction of service load but can be difficult to isolate. How can we fix this?
  - Mark Taylor will write a Wiki page to suggest a syntax to put in the user agent HTTP header to allow servers to distinguish validation queries
  - Validators web page will be updated to provide IP addresses and domains for main validating sites or maybe add new page with just this info.

# HTTPS

- HTTPS is a major pain to support and HTTPS based services are significantly more likely to have access issues.
  - Breaks WebSamp but all other VO protocols seem compatible with HTTPS.
  - Seems to be becoming more popular protocol and is mandated in some contexts (e.g., US government Web sites).
  - Should support both HTTP and HTTPS where possible – this is not the same as redirecting HTTP to HTTPS which doesn't really help (and can break software that will not redirect).
- Looks like we're going to have to live with it!

# VOSI usage query

- VOSI uptime access point is generally being used by monitoring tools but not by science software.
- VOSI capabilities may be especially useful in contexts with a common source for both client and server (cf CADC).
- Capabilities endpoint may be essential for authenticated TAP 1.1 services.