

# Ops Interest Group Introduction and Service Reliability

May 15, 2019

**Tom McGlynn**

# Organization of Session

- Reliability of Services (NAVO monitor)
- Fidelity of Services to Standards: Weather Maps (PADC and ESO)
- Are there services to that should be deprecated?
- Validators review
- Review of Ops Groups charge and activities



# NAVO Service Monitoring

All registered IVOA services are organized by site (IVOA authorization ID)

For each site one service of each type supported (Cone,SIA,SSA,TAP) is tested once per hour.

Only a single, lightweight test is normally done: trying to see if service is up, not that it is right

If service is supposed to return binary data (SIA, SSA) then test looks for presence of FITS data as well as initial VOTable response

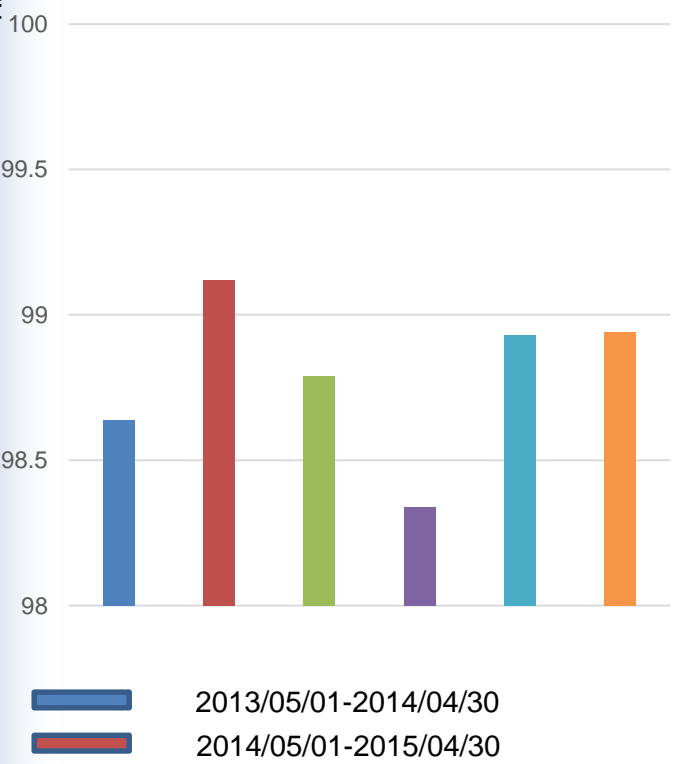


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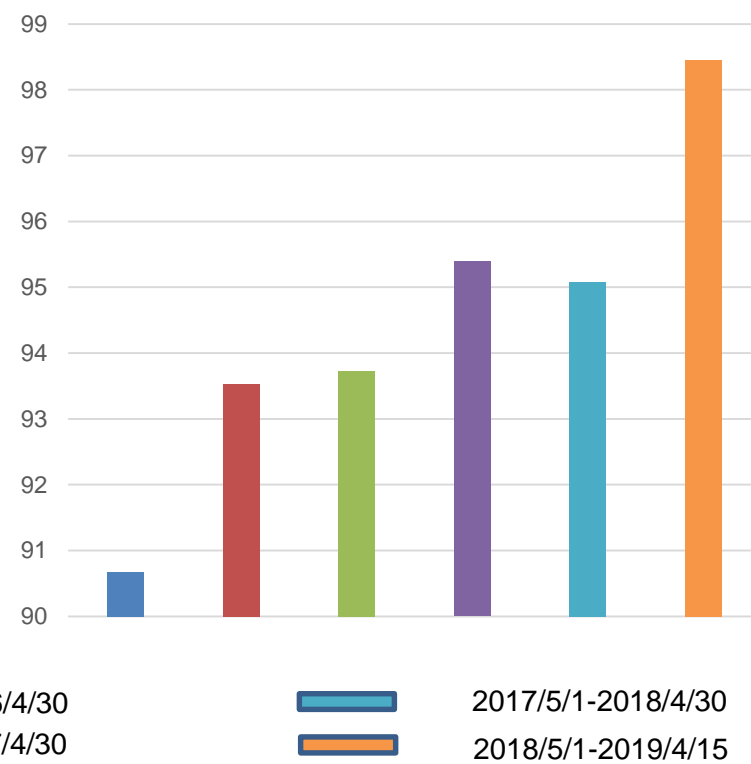
NASA Astronomical Virtual Observatories

NAVO

VO Sites including CDS/VizieR



VO Sites excluding CDS/VizieR



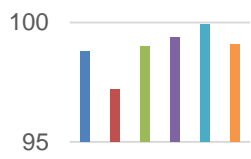
Expectancy that a service is up, weighted by the number of services at each site (from Michael Preciado)



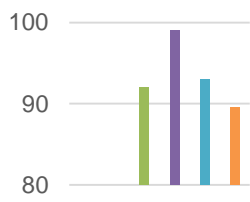
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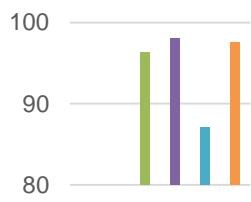
### 3CR Snapshots



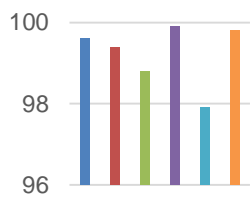
### ARCHES



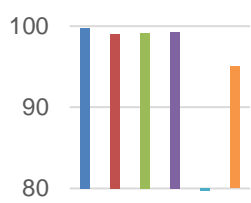
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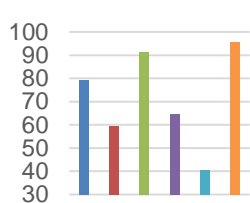
### ASDC



### ASU



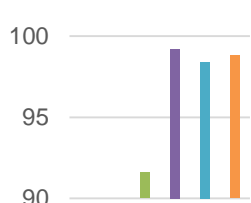
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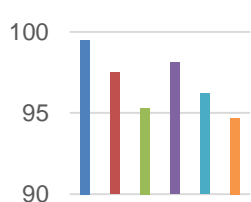
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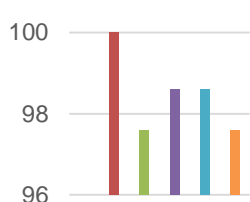
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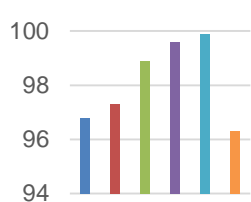
### CADC



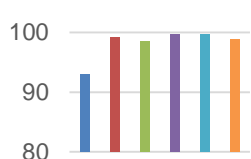
### CDPP



### CDS



### CDS SIMBAD



2013/05/01-2014/04/30  
2014/05/01-2015/04/30

2015/5/1-2016/4/30  
2016/5/1-2017/4/30

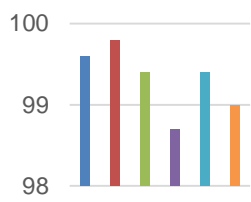
2017/5/1-2018/4/30  
2018/5/1-2019/4/15



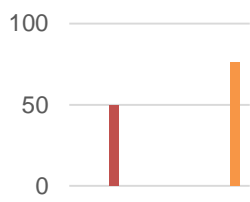
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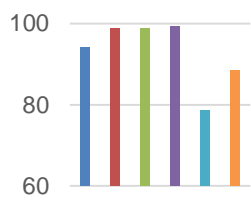
### CDS Vizier



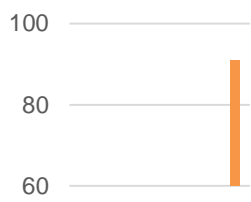
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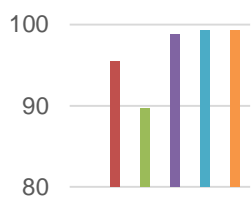
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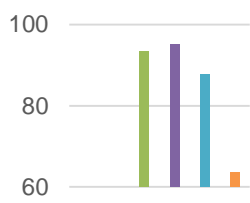
### ChiVO



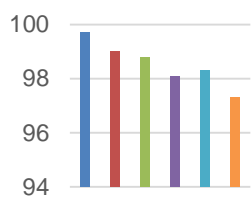
### China VO



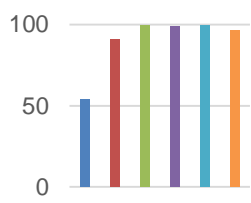
### DAME



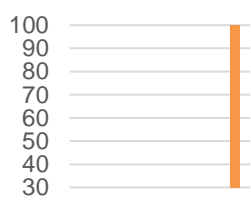
### ESA VO



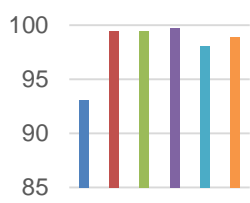
### ESO ORG



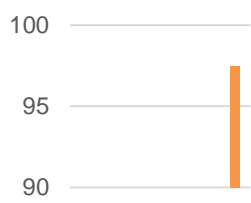
### FU-Berlin



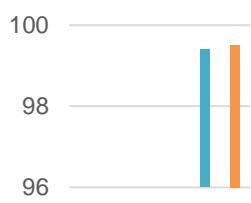
### GAVO







### GAVO AIP





### GAVO Purx



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 2016/5/1-2017/4/30

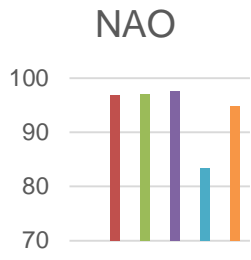
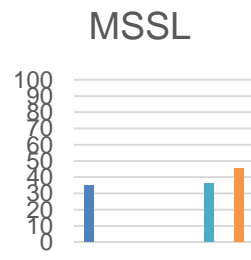
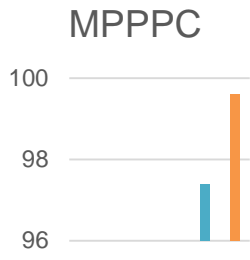
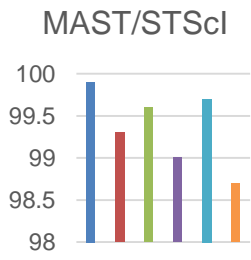
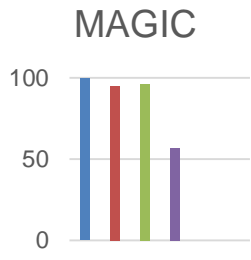
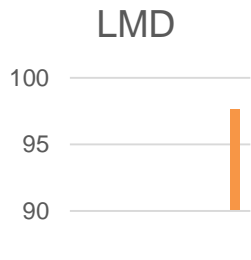
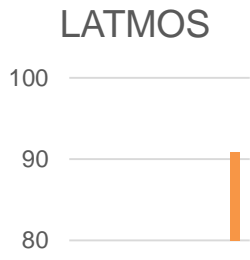
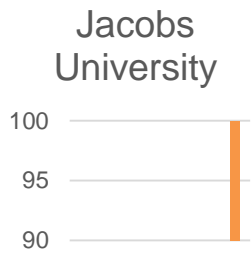
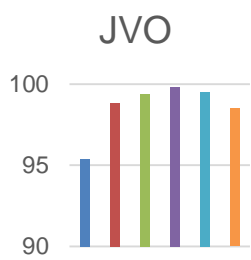
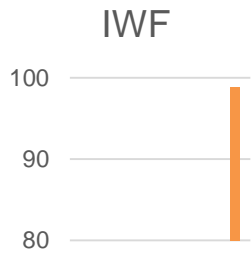
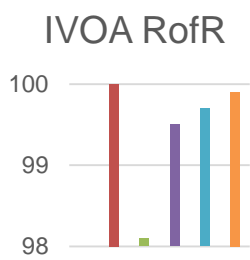
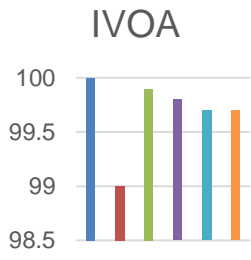
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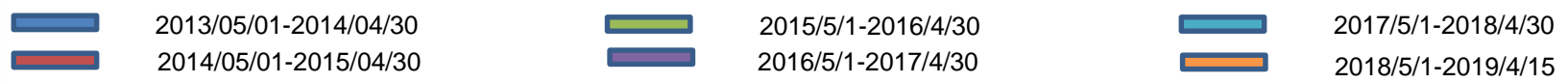
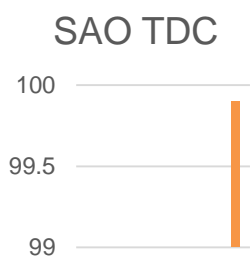
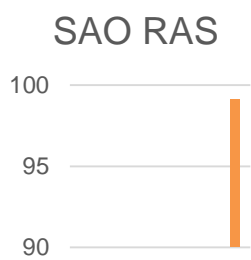
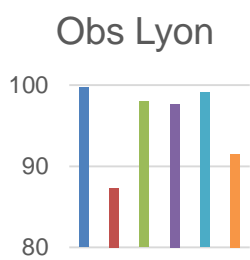
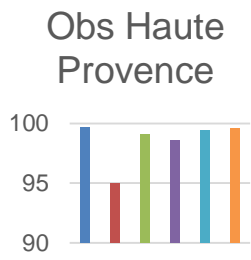
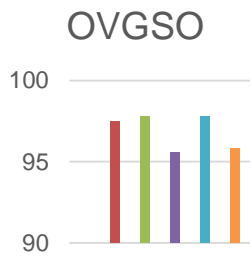
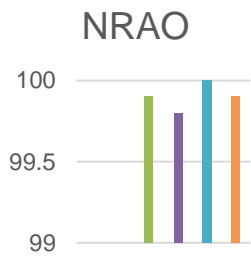
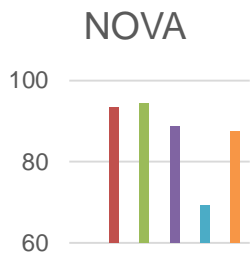
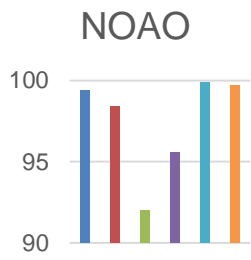
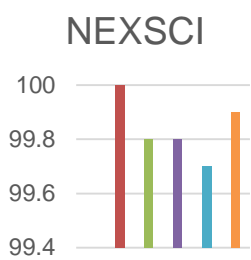
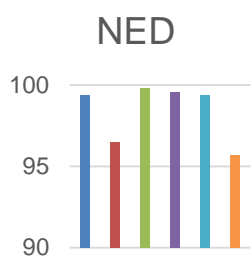
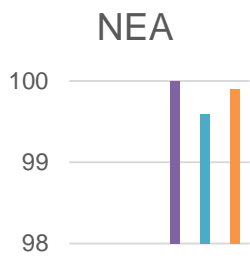
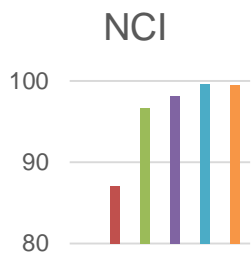
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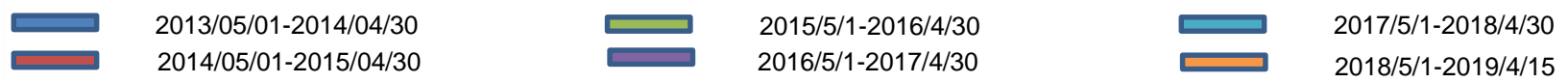
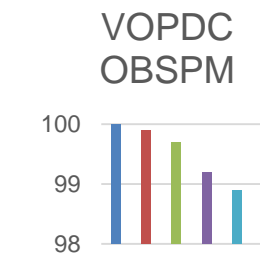
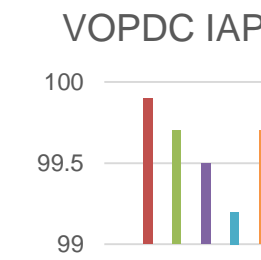
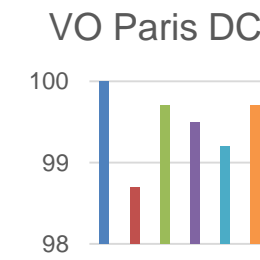
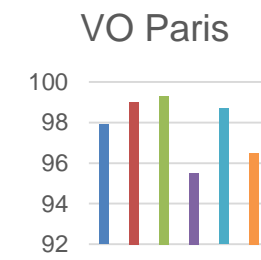
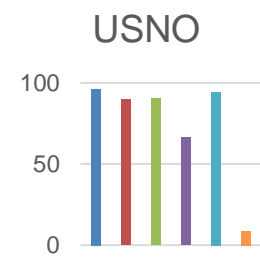
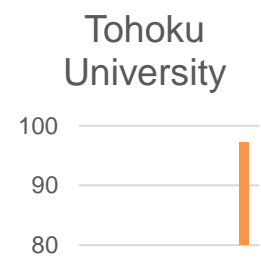
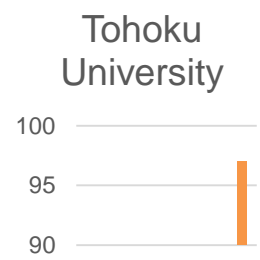
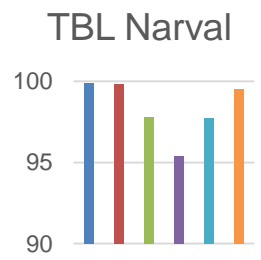
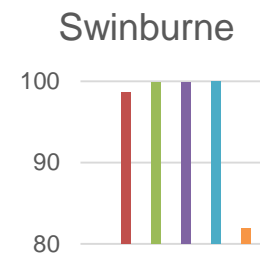
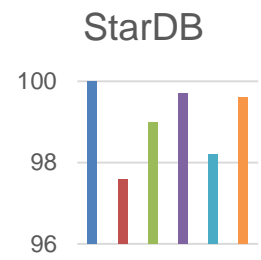
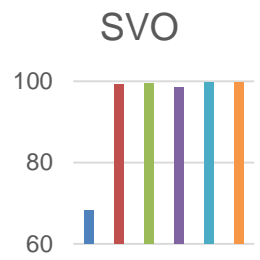
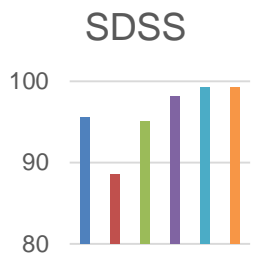
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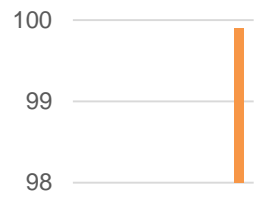




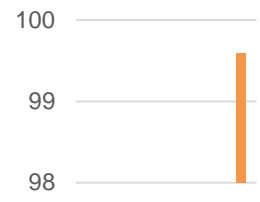
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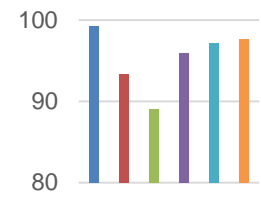
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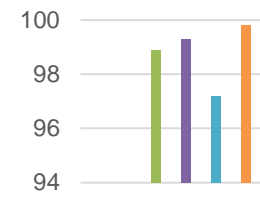
### VOXAstro



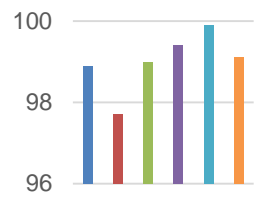
### WFAU







### XAOVO





### XCAT



 2013/05/01-2014/04/30  
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 2018/5/1-2019/4/15



# Summary

Reliability of VO services is now approaching 99% overall, with or without CDS included.

Newer services seem to be starting with high levels of reliability.