

Dave Morris



Research software engineer

"Research software engineering is the use of software engineering practices in research applications."
- Wikipedia



Gaia analytics platform for big data

Zeppelin notebooks + Spark analysis

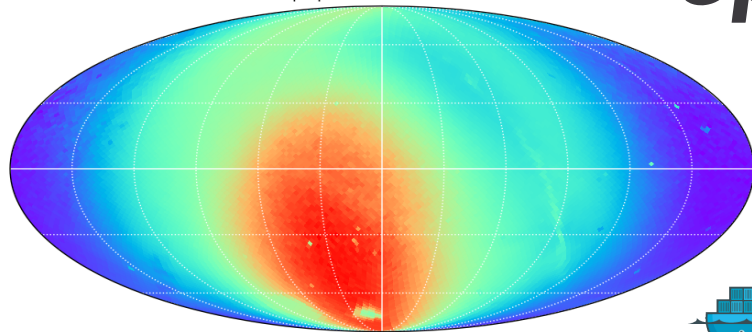
Kubernetes – next gen cloud computing

Docker containers, virtual machines

Openstack and commercial clouds

Gaia eDR3 December 2020

Mean RA proper motion at HEALPix level 5



kubernetes



docker



openstack.



International Virtual Observatory (IVOA)

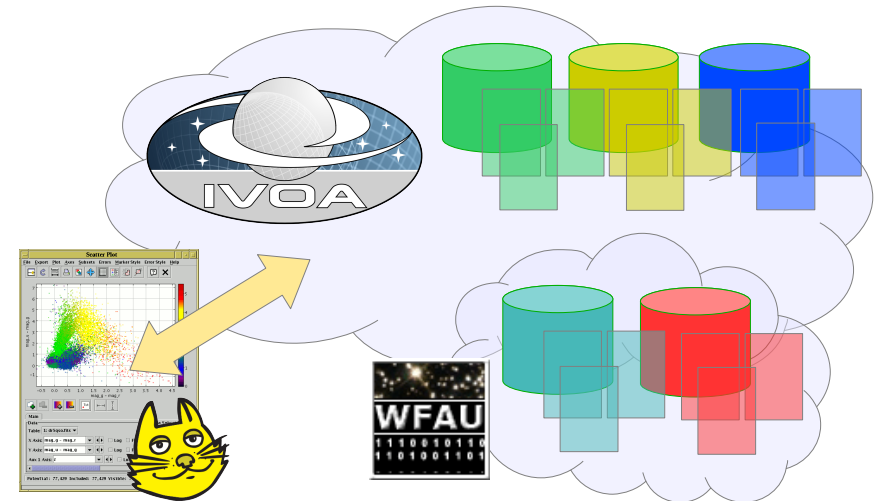
Data access protocols and formats



Astronomy Data Query Language

Time domain and time series

VOEvent – triggers and transients



[our data] + [their data] = [interesting results]



Working from home since 2003