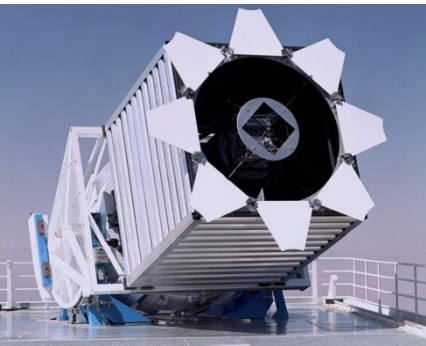


University of
St Andrews

25 years of SDSS Public Data Releases

Anne-Marie Weijmans
University of St Andrews

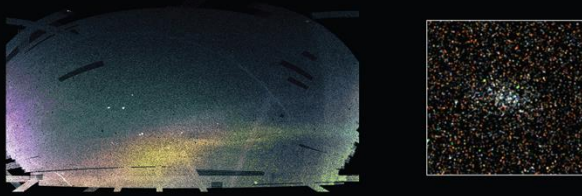


25 years of Sloan Digital Sky Survey

Asteroids and Comets



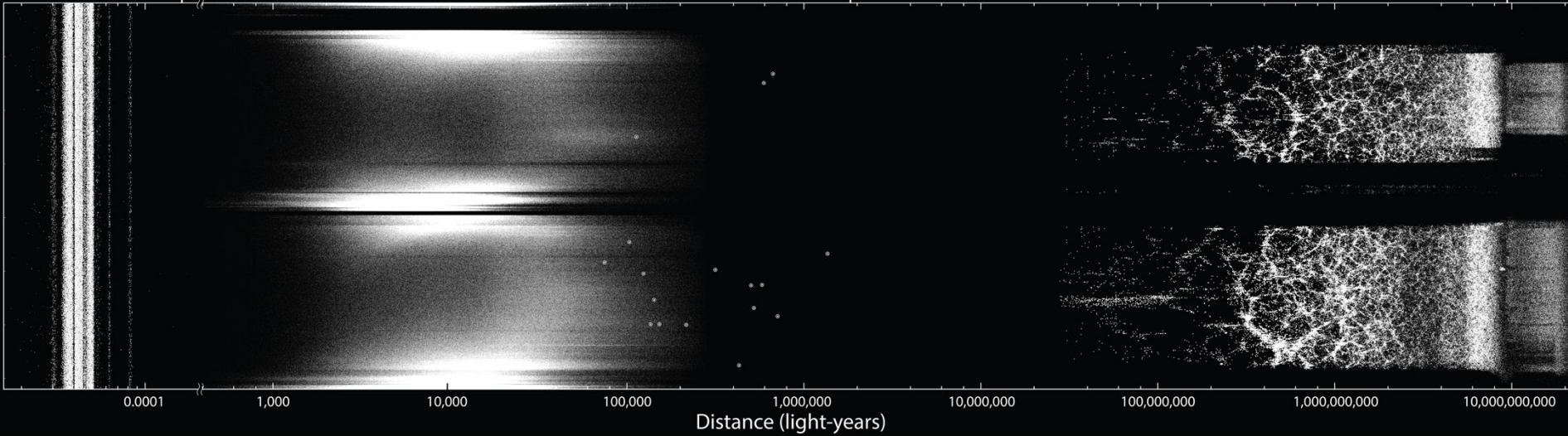
Milky Way and Its Satellites



Galaxies

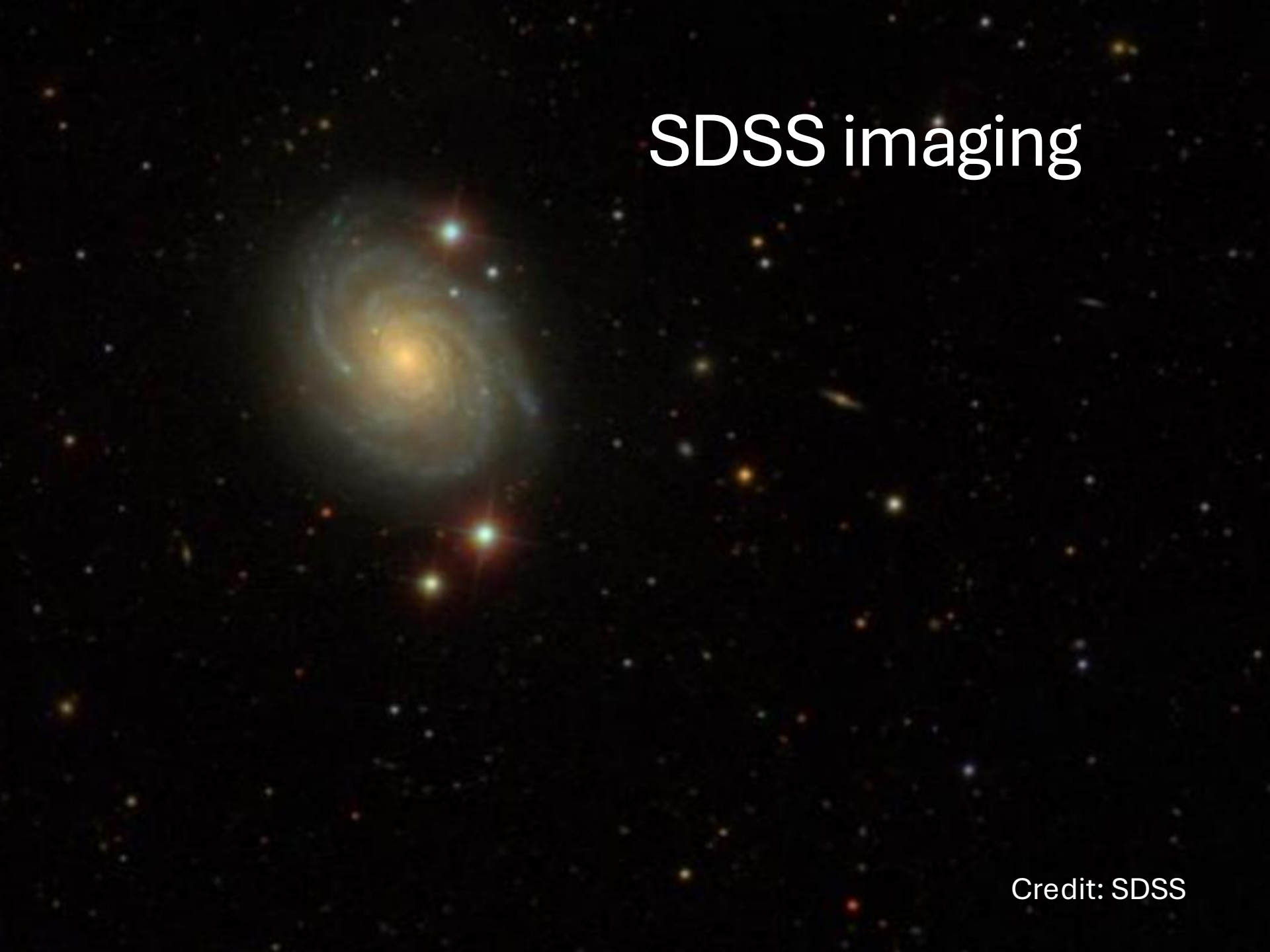


Quasars



Credit: SDSS

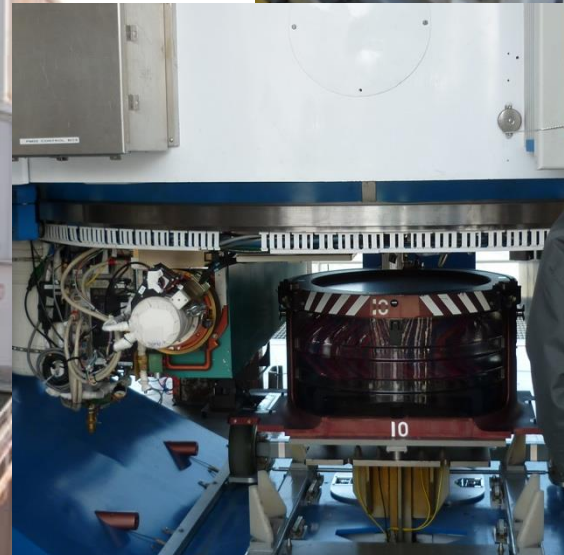
SDSS imaging



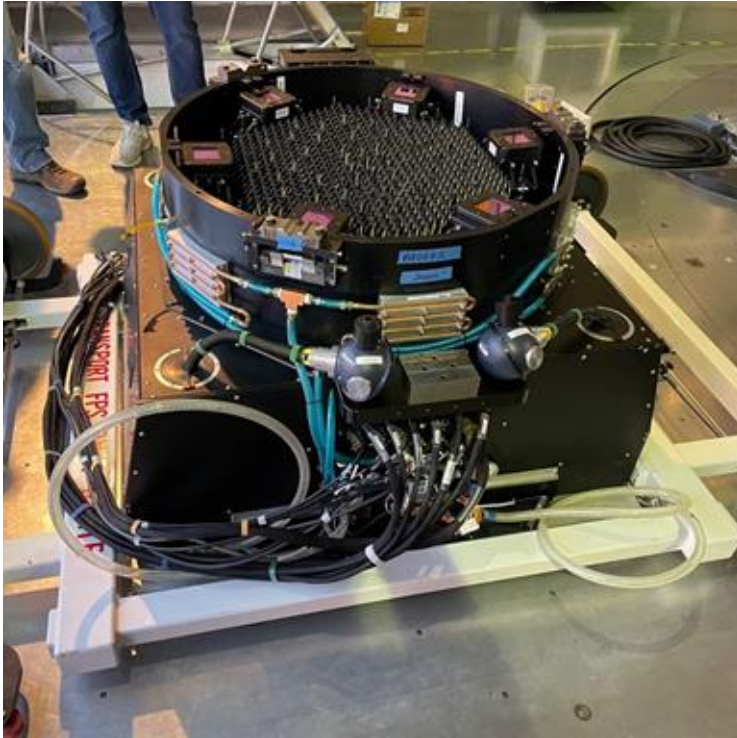
Credit: SDSS

SDSS operations (till 2021)

Credit: SDSS



SDSS operations (now)



Credit: SDSS

SDSS Public Data Releases: why?

- To increase impact of our science
- To enable reproducibility of our results
- To increase the longevity of the data
- To enable new projects by non-SDSS scientists
 - and provide input for Education and Outreach projects!
- To keep ourselves honest
- Because that's how we roll!





Search...



Data Release 19

DR19 is the second data release for the fifth phase of the Sloan Digital Sky Survey (SDSS-V). Its content is described in detail on the [DR19 data release paper](#).

What's New in DR19

Data Access

Scope

DR19 includes the following:

- The very first set of spectra and data products from the [Milky Way Mapper](#) (MWM) science programs, and a significant update of spectra and data products from the [Black Hole Mapper](#) (BHM) science programs
- A preview from [Local Volume Mapper](#), in the shape of a Helix Nebula tile
- [Targeting catalogs](#) prepared for the BHM and MWM science programs, as well as for the [open fiber programs](#)
- Several [Value Added Catalogs](#) (VACs), prepared by the BHM and MWM science teams
- Brand-new user interfaces, [Zora and Valis](#), to interact with SDSS-V spectra and data products, in a web browser or API
- Several [Python Notebooks tutorials](#) that also run in [SciServer Compute](#), to showcase what you can do with SDSS data products

Access to the DR19 data products is described on [this page](#), while the [Black Hole Mapper](#), [Milky Way Mapper](#), and [Local Volume Mapper](#) data pages offer more detailed descriptions of the data products, as well as caveats.

Previous SDSS Data Releases

For previous SDSS data releases (including final SDSS-IV Data Release 17), please visit the [SDSS-IV data pages](#). These pages contains descriptions, data access information, tutorials and caveats for the following completed SDSS surveys:



DocuOrca 2024



Image credit: Jennifer Johnson, eScience Institute





The SDSS telescope at Apache Point Observatory taking calibration observations. For these observations, the telescope's cover is closed and the inside is illuminated by a special lamp. Photo courtesy of SDSS/David Law.

<https://impact.sloan.org/share-tactics-bad63e328931>

The Sky Survey That Set the Data Free

How the Sloan Digital Sky Survey's two-decade commitment to open data is revolutionizing astronomy



Colton Poore

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