

UK involvement in the LSST

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LSST:UK Project Leader



Rubin and LSST basics

VERA C. RUBIN OBSERVATORY

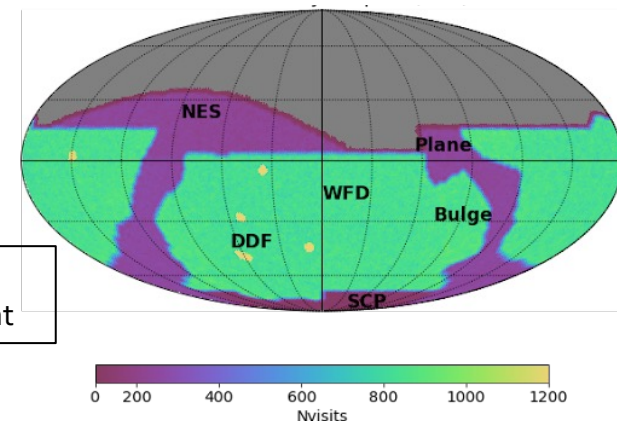
- Under construction in Chile
- Simonyi Telescope
 - 6.5m effective
 - 9.6 sq deg FOV
- LSSTCam
 - 3.2 Gigapixels
 - u, g, r, i, z, y
- System First Light: late 2024



LEGACY SURVEY OF SPACE & TIME

- 10 years

Baseline
survey footprint



- Main data products
 - Alerts (public: < 60 s)
 - Data Releases (proprietary – data rights earned by in-kind contributions)

UK participation in the LSST

LSST:UK
Consortium



Defines the
priorities for...

Earns data
rights for...

LSST:UK Science Centre (LUSC)



UK in-kind contributions to Rubin Operations

- Largest & broadest of all in-kind programmes
 - 25% of Data Release Processing workload
 - operating a full Data Access Centre
 - many data and analysis software contributions
 - plus commissioning, EPO, in-kind prog. management
- Valued as equivalent to data rights for
 - 300 PIs – faculty and senior fellows
 - 1200 Junior Associates – postdocs and students

LSST sessions at NAM 2023

- This afternoon: mainly intro and overview
 - Bob Blum – *Rubin Observatory update*
 - Christina Williams – *Community Science update*
 - Ashley Villar – *Science Collaborations*
- Tomorrow
 - 09.00-10.30: mainly in-kind contributions
 - 14.15-15.45: preparatory science

Getting Involved

- Information
 - www.lsst.org and www.rubinobservatory.org
 - www.lsst.ac.uk and lsst-uk.atlassian.net (wiki)
- Sign up for mailing lists, apply for **data rights**, etc
- Join Science Collaborations, explore Data Previews



Next six months

- UK's Data Rights Agreement
- LSST:UK Consortium
 - Institutional to individual membership
- LSST:UK All Hands Meeting
- More info on *lusc-announce* email list (see wiki)

<https://lsst-uk.atlassian.net>

Questions

<https://lsst-uk.atlassian.net>



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