First Observations with WFIRST

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Wide Field Imaging Surveys

Wide	2227 sq. deg.	YJHF184 26.2-26.9
Shallow SN	27.44 sq. deg.	Y=27.1, J=27.4
Medium SN	8.96 sq. deg.	J=27.6, H=28.1
Deep SN	5.04 sq. deg.	J=29.3, H=29.4

Deep SN Survey

- Overlap with LSST deep drilling fields
- HSC deep fields
- Spitzer data?
- EROSITA data?
- Other wavelengths??

Benefits of Early Deep Observations

- Targets for JWST/ELTs
- Training for high latitude survey
- Characterize Wide Field Instrument performance
- Where should we look?

Microlensing:The Other Deep Survey

- Z,W band: 6 x 72 days, W:every 15 min, Z: every 12 hours (357 days)

- Very accurate photometry and astrometry

- Stellar seismology

- Deep KBO survey (Gould 2014)

- Characterize on-going WFIRST camera performance