DREAMS The Dynamic REd All-sky Monitoring Sruvey

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DREAMS will be searching for transient and variable events using a 0.5m near-infrared wide-field all-sky surveyor at Siding Spring Observatory, Australia.

Originally designed to search for electromagnetic counterparts to gravitational waves.

<u>NOT</u> an in-kind telescope facility, although benefits of linking to the Rubin survey strategy.

Location





Wavelength Range







Current Status





Detector Gaps / Dither Pattern





DREAMS SIDING SPRING OBSERVATORY, AUSTRALIA

Telescope Time Available N/A

Applying for Telescope Time N/A

Observation Scheduling

Potential to shadow Rubin pointings. Currently supports requests and ToO via HTTP POST API.



Accessing data products

Either internally or potential to push to a Rubin Alert Broker as a value-added product for near-infrared photometry.

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Key Numbers

Aperture	0.5m
Wavelength range	0.9 - 1.7 microns
Instrument suite	(Y), J, H Imager
Other relevant facts	Under construction – deployed S2 2022. Automated all-sky survey. Depth: M _{AB} 17.8 (J-band) every 4-7 nights. Pixel scale: 2.48"/pixel

Not an in-kind facility.



