

## DATA-ARCHIVES & TELESCOPES

### DSS

The Online Digitized Sky Surveys server at the [ESO Archive](#) provides access to the DSS1 and DSS2 surveys produced at the [Space Telescope Science Institute](#) through its [Guide Star Survey group](#). The images of these surveys are based on photographic data obtained using the Oschin Schmidt Telescope on Palomar Mountain and the UK Schmidt Telescope.

North look at <http://www.astro.caltech.edu/palomar/about/telescopes/oschin.html>

The Samuel Oschin telescope (also named Oschin Schmidt) is a 48-inch-aperture (1.22 m) [Schmidt camera](#) at the [Palomar Observatory](#) in northern [San Diego County, California](#). It consists of a 49.75-inch [Schmidt corrector plate](#) and a 72-inch (f/2.5) mirror. The instrument is strictly a camera; there is no provision for an eyepiece to look through it. It originally used 10- and 14-inch glass [photographic plates](#). Since the focal plane is curved, these plates had to be preformed in a special jig before being loaded into the camera.

South, look at the <https://www.aao.gov.au/about-us/uk-schmidt-telescope>

The 1.2 metre UK Schmidt Telescope (UKST) is operated by the Australian Astronomical Observatory (formerly the [Anglo-Australian Observatory](#)), and located adjacent to the 3.9 metre [Anglo-Australian Telescope](#) at [Siding Spring Observatory, Australia](#). It is very similar to the [Samuel Oschin telescope](#) in California.

Retrive a .fits.gz

e.g. 10x10 arcmin

ESO ARCHIVE (European Southern Observatory)

Paranal (VLT,VISTA) 4 telescopi di 8m, La Silla (3.6m,NTT) CHILE

[http://archive.eso.org/eso/eso\\_archive\\_main.html](http://archive.eso.org/eso/eso_archive_main.html)

CADC CANADIAN ASTRONOMICAL DATA CENTER

<http://www.cadc-ccda.hia-ihp.nrc-cnrc.gc.ca/en/>

HST cercare taget Abell 370 image PREVIEW

CFHT

MEGAPIPE already reduced e.g. Abell 1914 take fits

FOR OBJECT VISIBILITY !!!!!!!!!!!!!!!

<http://catserver.ing.iac.es/staralt/index.php>

ISAAC NEWTON GROUP ARCHIVE (NOT 4.2m, INT 2.5m,

<http://casu.ast.cam.ac.uk/casuadc/ingarch/query>

ANGLO-AUSTRALIAN

[http://site.aao.gov.au/arc-bin/wdb/aat\\_database/observation\\_log/make](http://site.aao.gov.au/arc-bin/wdb/aat_database/observation_log/make)

SUBARU TELESCOPE (Japan) 8m

<http://smoka.nao.ac.jp/search.jsp>

ESA HST ARCHIVE

<http://archives.esac.esa.int/hst/>

TNG Telescopio Nazionale Galileo La Palma (Canarie) 2 telescopi di 8m

<http://www.tng.iac.es/>

<http://ia2.oats.inaf.it/archives/tng>

LBT archive Large Binocular Telescope (Italy-US)

<http://ia2.oats.inaf.it/archives/lbt-distributed-archive>

Keck 10m 2 telescopi di 10m Mauna Kea Observatory

Gemini North e South 8m ciascuno Mauna Kea - Cerro Pachon

Gran Telescopio Canarias (GTC) GranTeCan 10m

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SDSS

Sloan Digital Sky Survey

<http://www.sdss.org/>

Before astronomers can make a map of the sky, they need a telescope. Past surveys, such as the Palomar Sky Survey, were done with Schmidt telescopes with correcting lenses 48 inches (1.5 m) across. To map more distant, fainter objects, Sloan astronomers decided to build a brand new telescope with lenses 2.5 meters (100 inches) across.