http://stars2.naoj.hawaii.edu/stars1min.html

## How to Receive Your Data at the Subaru Telescope

There are four redundant paths for receiving data from the Subaru Telescope:

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| 1. | **DA Servers** (during observation) | During observation, onsite observers use ProposalID accounts (e.g, o08121) to access DA Servers: DA1 & DA2, in order to reduce or FTP data. Onsite observers can FTP from DA1 and DA2 to local laptops or offsite servers at their home institute. |
| 2. | **STARS Archive** (after observation) | Througout the night, all observation data is forwarded to the STARS Archives for long-term storage. The STARS Archives consist of mirrored download archives in Hawaii and Japan, and a single query server in Hawaii. After observation, PIs and CoIs worldwide may access STARS with individual accounts (e.g., smithb) and query accessible ProposalIDs (e.g., o08121) to receive download links from both Hawaii and Japan Archives. These links are only active for 90 days. |
| 3. | **NextDay Delivery email** (next day after observation) | After 14:00 HST every day, STARS sends a 'NextDay Delivery' email to the PI with last night's data queried and queued for download. The email includes download links for Hawaii and Japan Archives. This email may be forwarded to CoIs. These links are only active for 90 days. |
| 4. | **SMOKA Archive** (after 18 months) | 18 months after observation, observation data is forwarded to the SMOKA Archive in Japan and released to the general astronomy community through SMOKA's query system. SMOKA access requires a separate account. |

**Note 1:** Data in STARS Archives continue to be available after 18 months.

**Note 2:** DA Servers hava /work areas for data reduction during observation. These /work areas are not protected and can be recycled for free space AT ANY TIME. If you have /work data you wish to keep, *please transfer the data to your laptop/home institute before leaving the summit*. Data in /work areas can be erased without notice if disk usage is high.

**STARS Query:** https://stars2.naoj.hawaii.edu
**SMOKA:** http://smoka.nao.ac.jp

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### If you **ARE** observing at Subaru, use DA Servers while here, STARS Query afterwards.

**Observing PI:** During your observation, data is available from DA Servers with ProposalID logins *only* (ie, o08121). Your STARS User account has been created, and you can access STARS Query at any time. Your STARS User Account will allow you to access STARS data through the internet *after* observation.

**Observing CoI:** You may FTP data from DA Servers to your laptop or your home institute. You **DO NOT** need a STARS User account to receive data at summit, as data is available from DA Servers with ProposalID logins *only* (ie, o08121).

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### If you **ARE NOT** observing at Subaru, use STARS Query.

**Non-Observing PI:** Your STARS User account has been created, and you can access STARS Query. Your Observing Co-I can receive data during observation without a STARS User account.

**Non-Observing CoI:** If you are listed on the PIs Proposal application as a CoI, request STARS account and we will create account and assign ProposalID. If you are not listed on the PIs Proposal Application, you **MUST** get PI approval first.

Subaru Telescope ARchive System

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**1 Minute STARS - Tutorial**

Probably, you have already been assigned a STARS User account and password and your Proposal IDs have been assigned to your STARS User account. Observers receive a letter on arrival in Hilo that detail the STARS User and ProposalID accounts for the observation. STARS User and Proposal ID information is sent through email for non-attending observers. User accounts are in the format: smithb. ProposalIDs are in the format: o07428.

**10 Steps to Receive Data:**

1. access 'https://stars2.naoj.hawaii.edu'
2. validate login and password (STARS User account format is 'bsmith')
3. select 'Search by ProposalID and Instrument'
4. Choose the correct ProposalID from table. Data is displayed in new window. Confirm results in table or enter additional parameters and select 'Search'.
5. When Search results are correct and you are ready to download, select 'Store Query'
6. 'Last Stored Query' link appears in yellow (below parameter box and above results table). Select 'Last Stored Query' link.
7. There is displayed sets of URL links for archive-route-protocol-authentication. Choose the closest and best option to your current location
8. Enter login and password as needed
9. When FITS files are displayed, use a Download Manager like DownThemAll for Firefox for easy multifile selection, authentication, and parallel download.
10. Alternately, you may download the S2Query.tar for your Stored Query to a *NIX computer, execute {'tar -xvf ./S2Query.tar', then './zadmin/unpack.py'} and choose the correct archive-route-protocol-authentication for your location

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Any questions, comments, or problems are welcome at starshelp@naoj.org.

Update: 2013/05/13 by Winegar
Update: 2009/02/13 by Winegar
Update: 2008/10/28 by Winegar
Update: 2008/08/01 by Winegar