



S2 Data Access Report

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LSC Meeting
March 19, 2003



Current / Recent Raw Data

Past ~8 days at Livingston, past ~12 days at Hanford

Viewable with Data Viewer or DTT

Inside the control room

Outside the control room (Data Viewer & DTT in LIGOTOOLS for Solaris)

From control room at other site

Retrievable using lidax

Retrievable from LDAS

Using guild or getFrames, *e.g.*:

```
getFrames -d //ligo/raw/llo/s2 -t 730245000-730245200 -c L1:LSC-AS_DC\!4
```

Can downsample

Directly readable on fortress and decatur

Use FrameCacheQuery to locate specific files

Or use Matlab script supplied by Sam Finn



Past Raw Data

Data being shipped to Caltech

Copied into SAM-QFS

All S2 (and E9 and S1) data directly visible to Caltech LDAS system

Analyzable with Caltech LDAS system

Retrievable from LDAS

Using `getFrames`, *e.g.*:

```
getFrames -d //ligo/raw/llo/s2 -t 730245000-730245200 -c L1:LSC-AS_DC\!4
```

Or using `guild`

`getFrames` knows what data is at each site

Chooses where to get the requested data from

Precedence: 1. Local system 2. Caltech archive 3. Observatory site



RDS Data

Being produced at LLO and LHO, and at Caltech

Directly visible on fortress and decatur

Not yet on saiph RAID disks

Analyzable with LDAS

Also being moved to MIT?

getFrames does not make use of RDS data so far

Always gets the channels you ask for from raw frame data

That's sufficient, but using RDS frames could improve access speed



Trend Data

Viewable using Data Viewer (Solaris only) or ligo-viewer

DMT trends available too

But you have to connect to the right server !

In the control room:

LHO: connect to fb3

LLO: connect to fb2

Outside the control room:

LHO: connect to red.ligo-wa.caltech.edu, port 8089

LLO: connect to london.ligo-la.caltech.edu, port 8089

In control room at other site:

View LLO from LHO: connect to portal, port 8189

View LHO from LLO: connect to gateway, port 8189



Data Access Web Page

Accessible from a link on S2 home page

<http://blue.ligo-wa.caltech.edu/scirun/S2/DataAccess/>

Many links not yet filled in!

See also LIGOTOOLS FAQ