

# Xrootd Monitoring

This page describes various monitoring tools used for the Fermi Xrootd cluster.

## Ganglia

- [Ganglia Xrootd](#) shows various metrics related to memory, I/O and load of the xrootd cluster.
- The redirectors are not shown in the xrootd Ganglia page but are part of the glastlnx cluster: [glastlnx04](#) and [glastlnx05](#)

## Disk Usage and Files

- [Xrootd Disk Usage](#)
- [Files on disk](#)

## HPSS

- [Files Backed up to HPSS](#)
- [FGST files added to HPSS](#)
- [Files added to HPSS](#)
- List of files in HPSS.

[/nfs/farm/g/glast/u18/xrootd/hpss/file\\_listing/](#)

Contains the listing of files in HPSS. The current format is `hl_<topdir><date>` where *<topdir>* is the directory below all files are listed. The common *\_/glast* prefix is omitted. The listing contains filename, the size of a file in bytes and the date the file was put into HPSS. The date format is YYYYMMDDHHMMSS.

## Misc

- [Testing access time to xrootd](#)