



Data Backup

Local EOL Archive

- EOL's local archive is hosted on an NFS server gemini7 and synced twice daily to gemini6.
- Backups will be made to CISL-managed hardware in the future.

Campaign Storage Archive

- Campaign Storage and Quasar are CISL-managed hardware.
- Campaign Storage archive uses clustered RAID technology.
- EOL's Campaign Storage Archive is backed up to the Quasar tape storage system.
- EOL developed a Quasar Backup Utility to package and transfer newly archived files to Quasar each day for backup. Backup metadata are tracked in EOL's database.

Disaster Recovery

Files backed up to the Quasar tape system are stored on tapes which, when full, are removed and placed in a fire-proof safe.

EOL Data Stewardship

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EOL's Data

EOL's Field Data Archive (FDA) is unique in that the focus is on **observational data** derived from field projects that take place all over the world.

Datasets are collected using a mix of research aircraft, airborne instrumentation, and ground-based systems and are currently associated with over 600 field projects. Ongoing real-time collections of operational datasets compliment the field-collected data.

Data Integrity

EOL is committed to long-term stewardship and does not plan to ever delete any data that has been archived.

In order to ensure data fixity EOL has begun an initiative to maintain checksums for all data files in the archive, and uses a custom-built Checksum Utility to facilitate this objective.





