

Software

Raw data will have 12 Tbytes of images, 360 Gbyte of spectra.

Data Acquisition

- Photometry data rate of 4.6 Mbyte/sec
130 Gbytes on a good night.
- Photometric array split into 2 DAQ systems.
- One column recorded onto 1 Exabyte and 1 backup.
12 Exabytes running simultaneously.
With compression: 1/2 Mbyte/sec/exabyte.
- Tapes shipped to Fermilab for offline processing.

Processing pipelines

- Astrometric pipeline.
Use bright stars to transform coordinates.
- Monitor telescope pipeline.
Use bright stars for photometric calibration.
- Postage stamp pipeline.
First pass to determine photometric parameters.
- Frames pipeline.
Full photometric processing of frames.
- Spectroscopic pipeline.
Extract 1-D spectra from spectroscopic frames.