

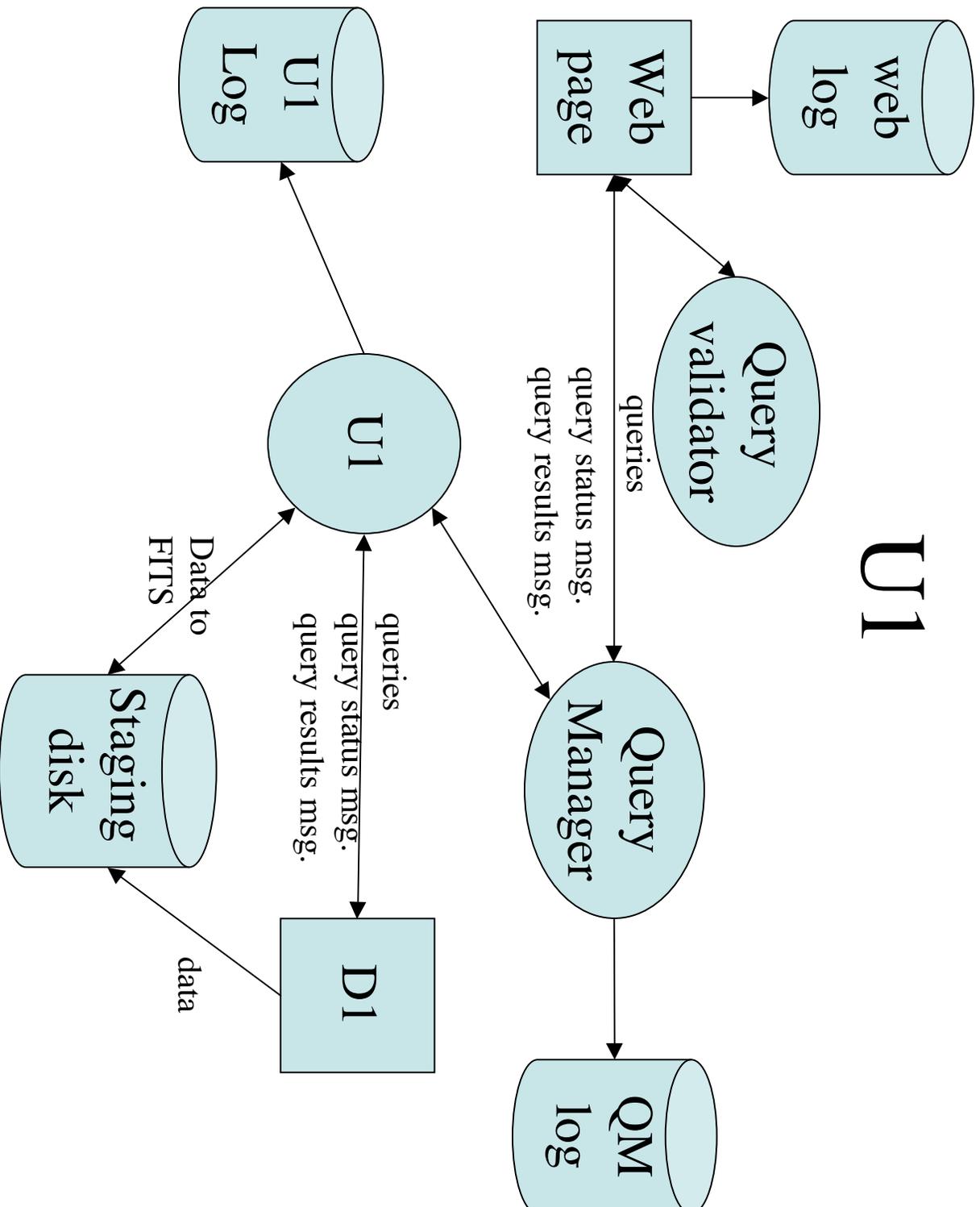
**U1 Arch**

**BS**

# U1 and U3 DB gatekeepers

- U1 and U3 - one instance per query
- U1 will be controlled by middleware to limit the number of concurrent searches.
- Functionality
  - Receive and validate queries from users through web cgi programs.
  - Pass messages from DB
  - Validate queries
  - Writes a log file
  - Receives data from db and reformats it into properly formatted FITS files.
  - Send queries to db.

# U1



# U1 notes

- Query manager will be there to sort queries by size and do them in an appropriate order
  - Large queries wait until not “busy”
  - Will be able to ask for status of submitted q’s.
  - Not part of standard analysis environment.
  - Will hold requests depending on the number of concurrent searches we want to allow in the database.
- U1 may not have to do any reformatting.

# U3

