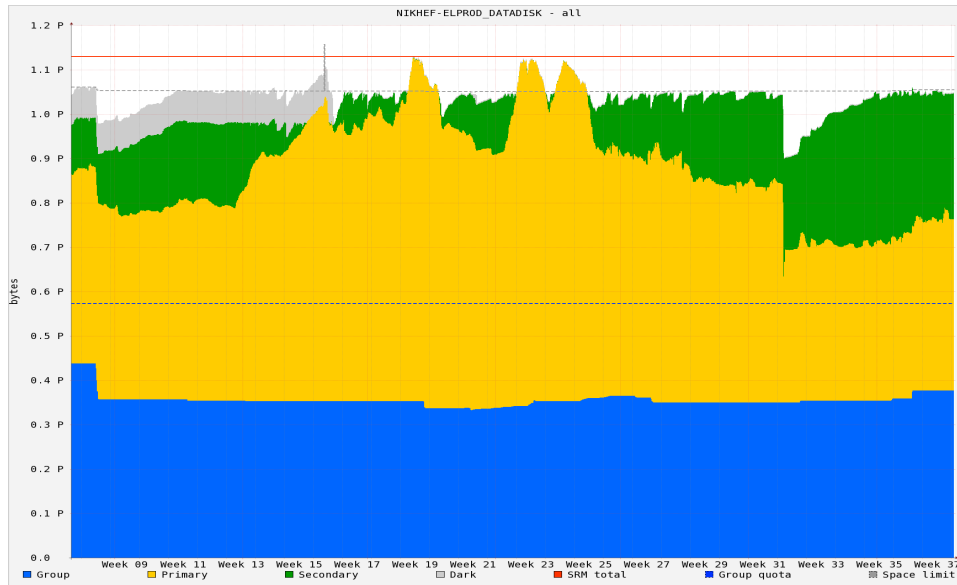# Automatic rebalancing of data in ATLAS distributed data management

- Overloads due to Imbalances due to computing slots and available capacity arise regularly.
- *Balancer of Bits*[8] (BB8) is a daemon to automatically re-balance data.
- Automatic and semi-automatic mode.

- Daemon selects sites based on imbalances; selects data based on filter criteria; and selects destination site and executes transfers.
- Once completed, original data is removed to free up space.
- Since May-2016, 2.5PB of data have been re-balanced.

Aggregated re-balanced data (TB)