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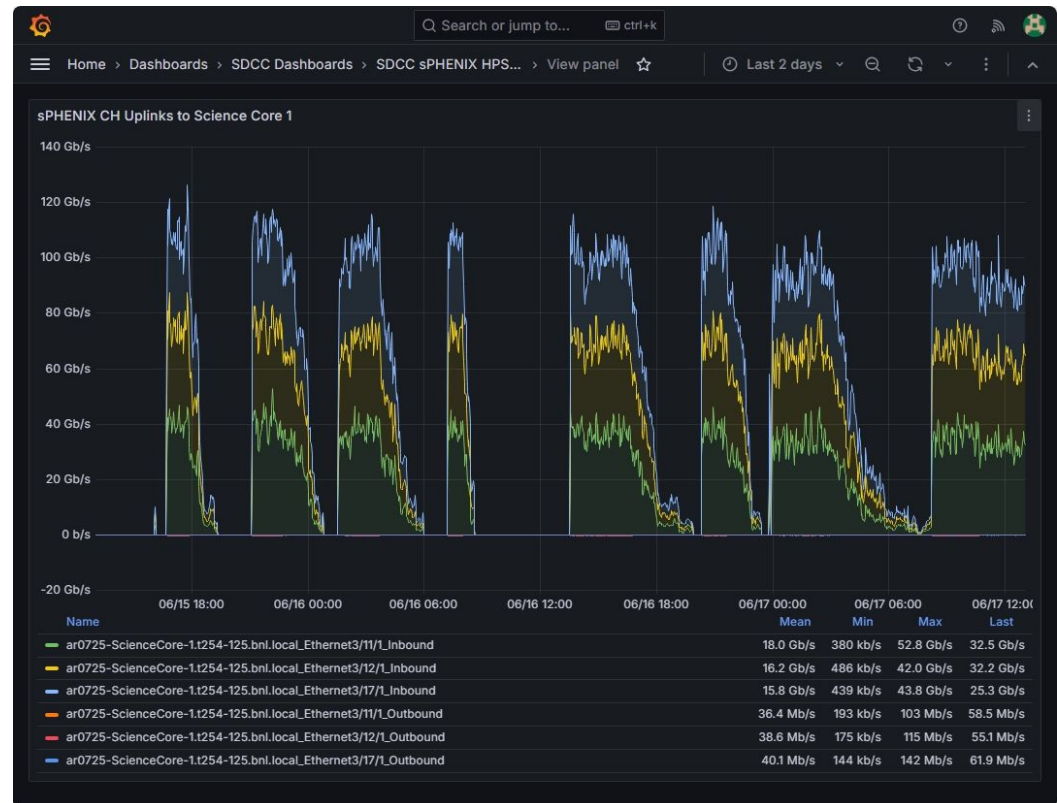U.S. DEPARTMENT of ENERGY

Time Meeting 6-17-2025
SDCC/SCDF

@BrookhavenLab

Update on SCDF Service Disruption : Monday 6/9

- Multiple critical services were affected starting around 3:00PM
  - On the order of 50 to 100 VMs affected
- All services restored within 5 hours.
- Problems traced failure of the network interfaces on NFS appliance after redundant "head" reboot post firmware upgrade
  - Failure the network module to re-establish an LACP bonded link
  - Several other NFS appliances were previously upgraded with no issues.
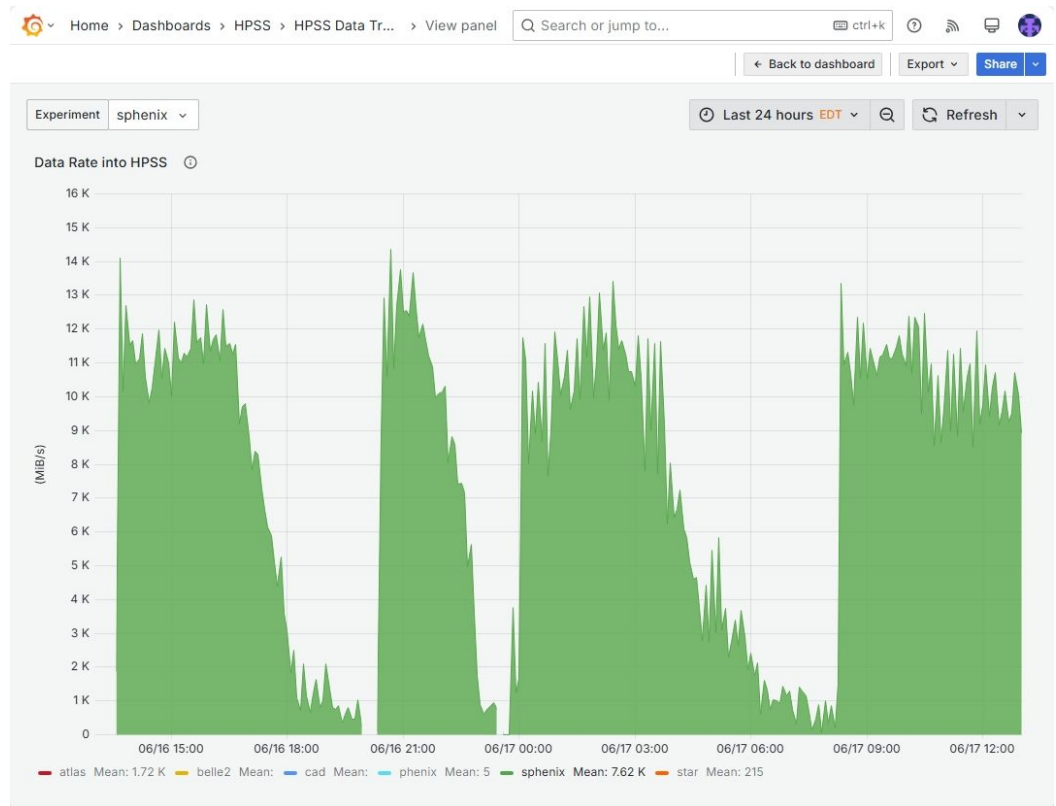
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Network Traffic from sPHENIX to SCDF

- Network traffic sPHENIX to SCDF
- One of two "links"
  - 50% of total BW
- 48 hours window

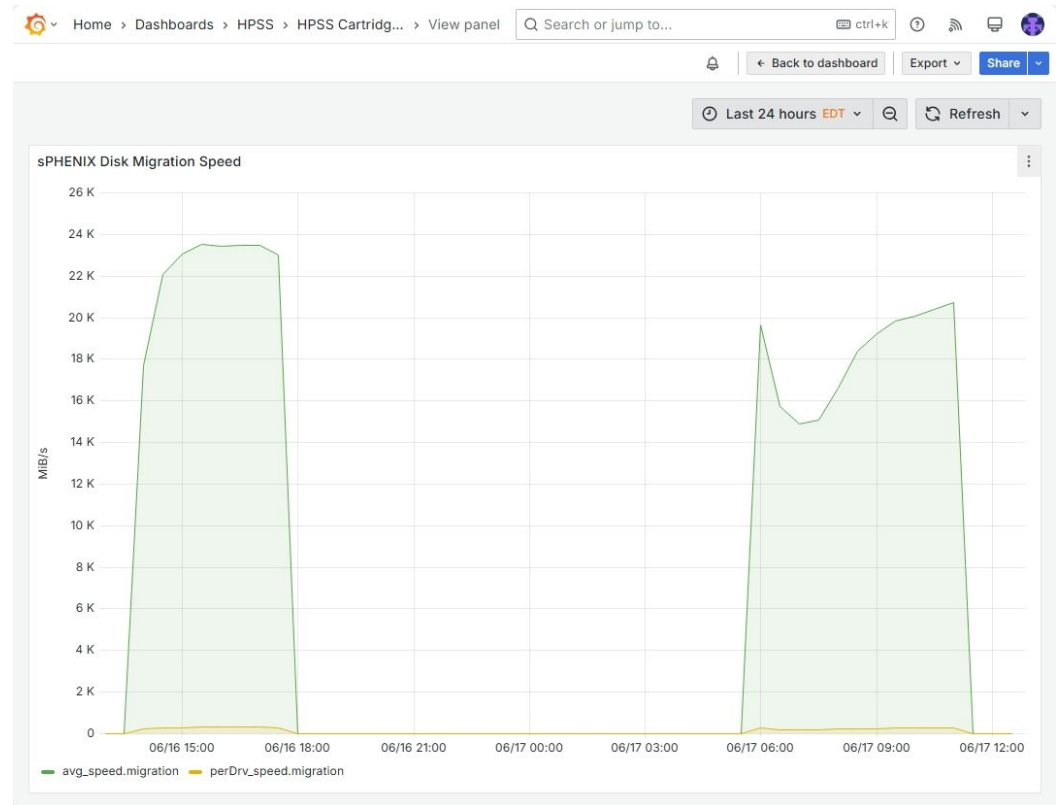**Brookhaven** National Laboratory

sPHENIX Data to HPSS

- Write rate into HPSS tape system
- 48 hour window

sPHENIX Data to Tape

- Migration rate - HPSS disk cache to tape ~18 to 24 GiB/s

- 75 tape drives available for writing

sPHENIX Data to Lustre

- sPHENIX writes data to the HPSS tape system as well as sPHENIX Lustre file system