>> Major Incidents

None

>> Incidents

- Followup on the GVA-CHI LHCOPN trans-Atlantic fiber cut of 4/18
  - Cable cut was repaired by vendor on 4/24
  - But there was a Ciena module failure at CERN that kept the link
    down until 4/29.
  - We transparently operated on 5.5Gb/s bandwith during the outage,
    with no user reports of problems.
  - Since the restoration of full service, there has been a successful
    non-disruptive fail-over test (last week).

>> Changes & Announcements

None

>> Releases

- CMS Nexus 7000 switches have been staged & are running in FCC2 & GCC
  - License problem has appeared; we need Enterprise license
    - Due to a vendor specification error, they were sold to us with a
      "basic LAN license"
    - We are discussing interim options with vendor

>> Problems

- New network device drivers were installed on perfSONAR-PS appliances.
  - We now consistently see the expected results from measurements

- Routed IP traffic has been high. Much of it has been traced to UFL.
  - UFL lost its UltraLight connection. We are working with them on
    options for establishing a new circuit path.

- Analysis of traffic from UNM Encanto supercomputer to FNAL founding
  routing instabilities. They have been fixed by network operators and
  performance is stable and faster.
  - We're encouraging more investigation to improve data rates further.

==
+ Additional WAN group activities

```
>> Announcements / Other

- Revised narrative on proposal for Network Weather & Performance
  Service E-Center submitted
  - Working on official FWP submission now

- Review of Wenji's SRPIC paper submission (ComNet) resulted in
  request for minor revisions
  - Wenji has made them and resubmitted the paper

- Telecon with NIU on modifying their StarLight access via the MAN
  - They are looking to move their Ciena gear to DNTP, but keep their
    MAN channels

- Grigoriev attended perfSONAR developers meeting
  - Deployment roadmap layed out for perfSONAR-PS

- Reqs prepared & submitted:
  - StarLight CoLo fees               -  $31.2k
  - E2E router & perimeter upgrades   -  $36.4k
  - GridWorks network upgrade         -  $26.1k
  - Ciena hub split                   -  $62.4k
  - FNAL/ANL 10GE R&D channel         -  $17.9k
```