LTA status

Hanno Holties
Lofar Status Meeting
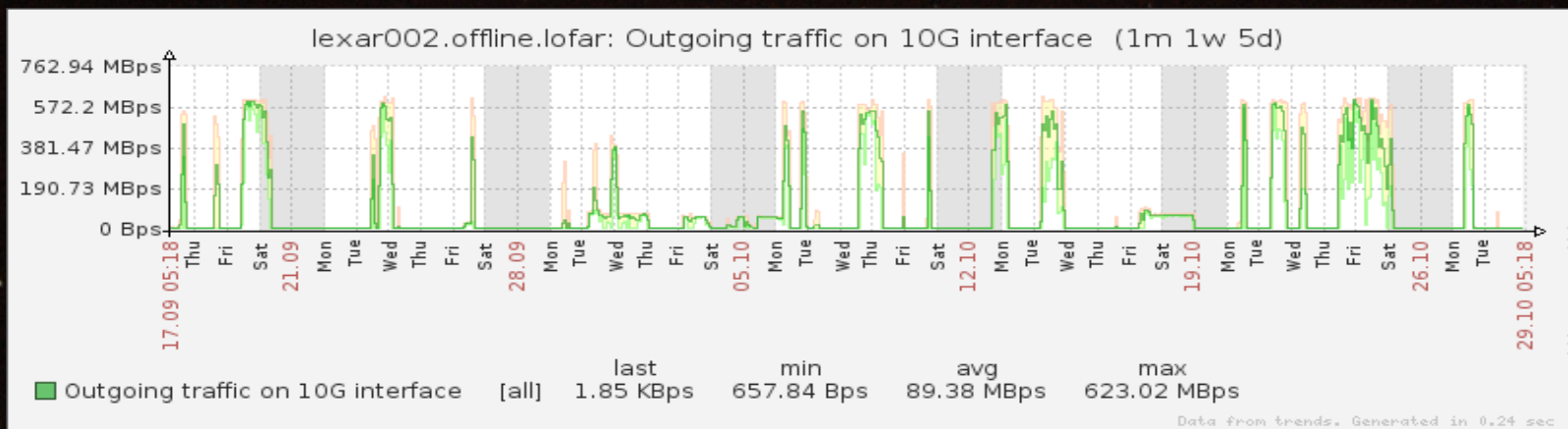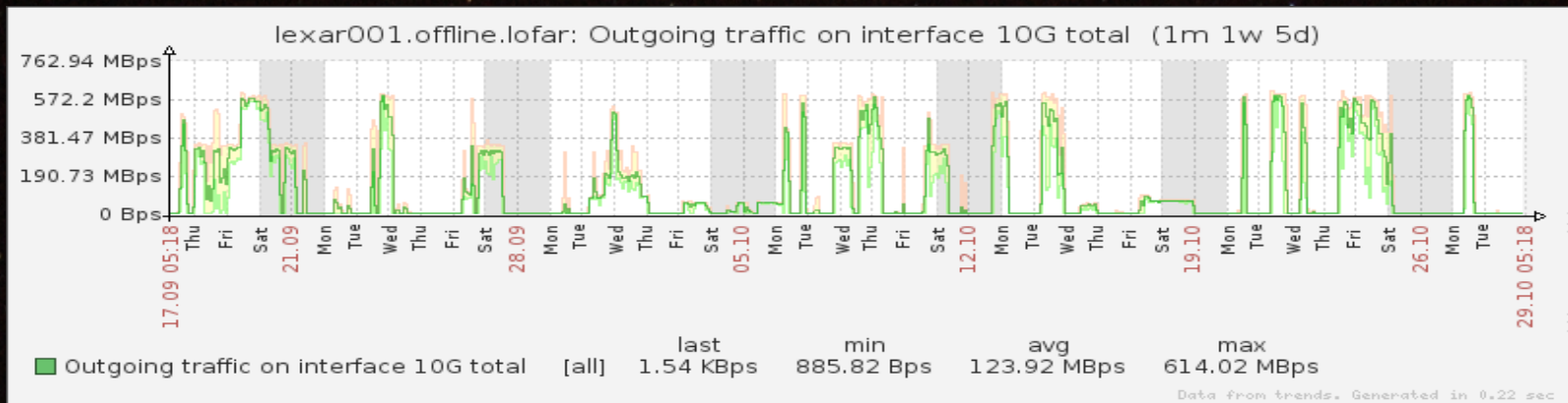
29 October 2014

September/October results
17 September – 28 October

ASTRON

Data to the LTA: ±777 TB + transfers to EoR (±500 TB)
Data staged/retrieved from the LTA: 97 TB
Total stored: 12.1PB (2.8 Jülich/7.7 SARA/1.6 Target)

lexar001.offline.lofar: Outgoing traffic on interface 10G total (1m 1w 5d)

	last	min	avg	max
Outgoing traffic on interface 10G total [all]	1.54 KBps	885.82 Bps	123.92 MBps	614.02 MBps

lexar002.offline.lofar: Outgoing traffic on 10G interface (1m 1w 5d)

	last	min	avg	max
Outgoing traffic on 10G interface [all]	1.85 KBps	657.84 Bps	89.38 MBps	623.02 MBps

September/October uptime
17 September – 28 October

Big interruptions (several days to weeks):
- No big interruptions

Various smaller issues (single day)
- Stop days.
- Network interrupts.
- Maintenance, etc.

Target ingest (EOR) mostly stable
- Transfer rate CEP – Target 10 – 13 Gbps
- 7/8 October unscheduled outage (Target LDAP server down)

Work and plans
- Further improve robustness ingest data transfers
- Public availability of data in the LTA

LTA Data retrieval

ASTRON

- Tutorial in preparation for LOFAR Data School
- Grid client tools installed on CEP3 ('use Srm')
- Two grid certificate Registration Authorities (RA) at ASTRON
  - John Romein
  - Hanno Holties (new!)

- All LOFAR users can apply for personal grid certificate
- Enables use of better performing & more robust data retrieval
- If not possible or convenient at home institute:
  - Use visit to ASTRON
  - Application: https://ca.dutchgrid.nl/start/
  - Select ASTRON for institute association
  - Get form validated by ASTRON RA (ID required!)

- Further details:
  http://www.lofar.org/wiki/doku.php?id=public:lta_howto