

LTA status

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Lofar Status Meeting

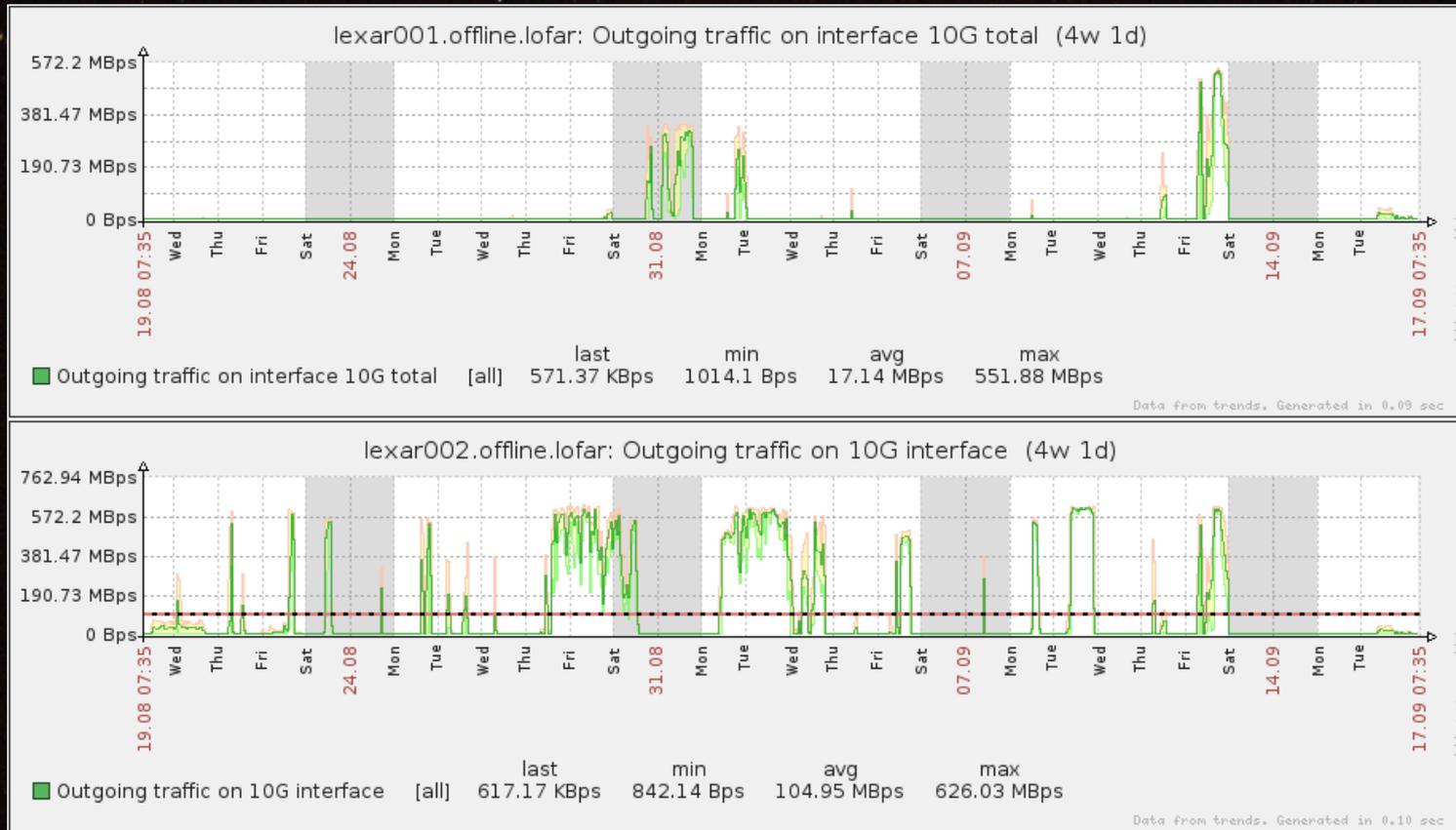
17 September 2014

Results

20 August – 17 September



Data transferred to the LTA: ± 480 TB + transfers by EoR
Data staged/retrieved from the LTA: 108 TB
Total stored: 13.8 PB (3.4 Jülich/8.7 SARA/1.6 Target)



Uptime

20 August – 17 September

Big interruptions (several days to weeks):

- None

Various smaller issues (less than single day)

- Stop days.
- Network interrupts.
- Software bugs.
- Operational support errors.
- Hardware/file system problems.

Ongoing:

- Processing in the LTA: Imaging. (WK)
- User Ingest.
- Public release of LOFAR data.

Implemented:

- Improved monitoring.
- Download server. (JK)
 - Robustness (No more internal server error 500)
 - Speed (less internal copy buffers)
 - Speed (better server hardware)
 - Speed (more simultaneous connections)
 - Download resume function (see LTA Howto)
- GridFTP/SRM service Target/RuG.
- Information page on how to install LOFAR software on clusters.
<http://www.astron.nl/radio-observatory/lofar/lofar-tools/lofar-tools>
- Speed improvements (multiple ingest servers, database opt.).

Planned:

- More speed improvements in ingest and download server.
- More monitoring improvements.
- Download server.
 - Update the Jülich location.
- Data transfer tool (Itacp) improvements.
- GridFTP/SRM service Target/RuG improvements.
 - Currently tape storage is not fully functional.
 - Not only EoR access to the stored data.
- More monitoring visible to users.

Note:

Advice on what to consider when building a cluster for Lofar data.