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Netherlands Institute for Radio Astronomy
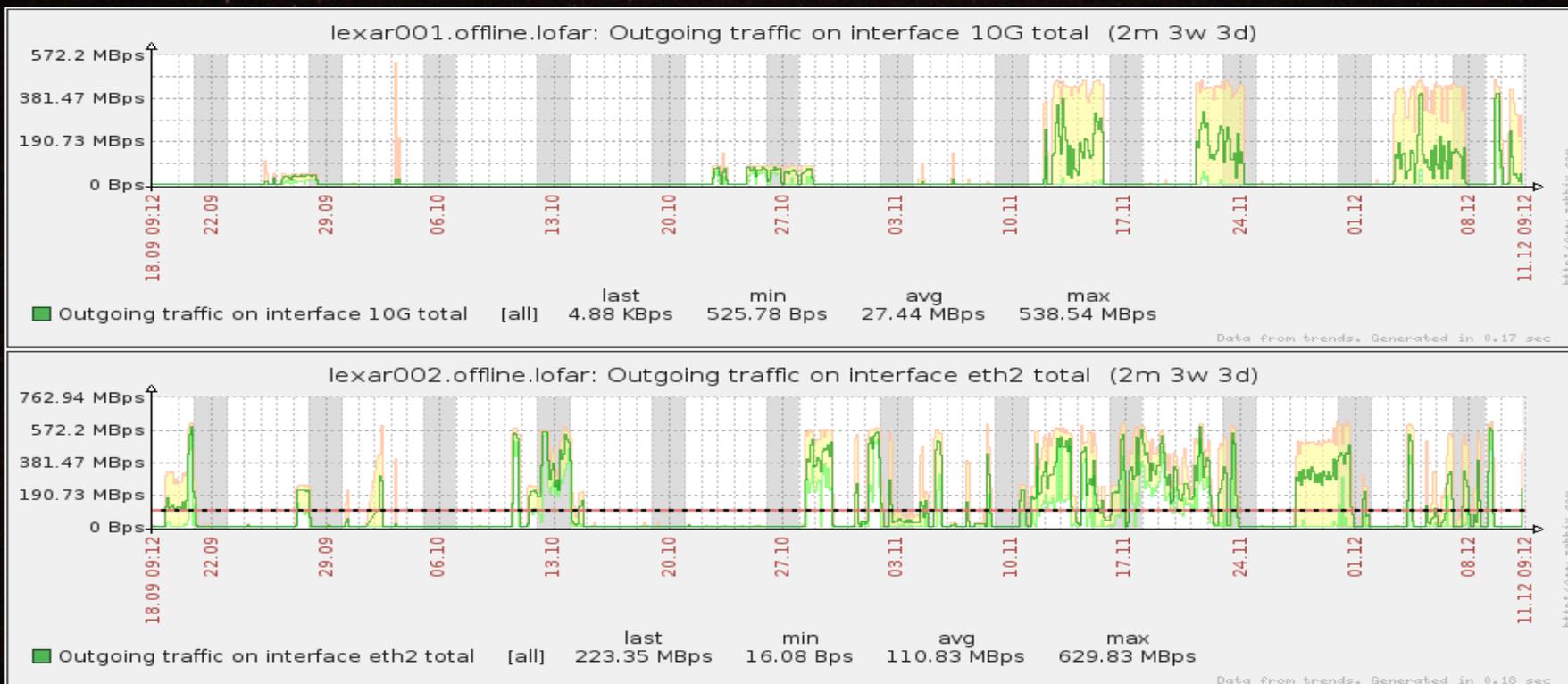
LTA status

Adriaan Renting
Lofar Status Meeting

11 December 2013

September/October/November results
18 Sept-11 Dec

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Data transferred to the LTA: 933 TB + ~250 TB EoR
Data staged/retrieved from the LTA: 245 TB
Total stored: 8.4PB (1.9 Jülich/4.9 SARA/1.6 Target)

September/October/November uptime
18 Sept-11 Dec

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Big interruptions (several days to weeks):
- Network upgrade/configuration/revert for Cobalt.
- Jülich downtime to install extra disk space.
- Jülich FZJ downtime to upgrade tape handling.
- SARA downtime due to hardware failures.
- SARA downtime due to migration to new hardware.
- EoR-Target network problems.
- Target tape migration problems.
- Target extra maintenance due to July problems.
- Target network failure.
- Target storage problems.

Various smaller issues (single day)
- power outages.
- stop days.
- CEP archiving nodes network problems.

Work and plans

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Ongoing:
- Processing in the LTA.
- Improved queue handling and reporting

Implemented:
- Ingest of Old Pulsar Pipeline data (outside MoM)
- Improved tape speeds and disk buffers at Jülich FZJ
- EoR data transfer workarounds
- Updated LTA manual, queries/tricks.
  http://www.lofar.org/operations/doku.php?id=public:lta_tricks

Planned:
- More speed improvements (database server upgraded).
- Cobalt support.

On hold:
- GridFTP service Target/RuG.
- User Ingest.