

A brief look at the Mapping System

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From: Darrel Lewis <darlewis@cisco.com>
To: LISP Beta <lisp-beta@external.cisco.com>
Subject: **3/14** ALT to DDT Cut Over, follow up
Date: Thu, **15** Mar 2012 11:38:13 -0700

Hi all,

The purpose of this email is to give some details on the cut over to DDT on the LISP beta network yesterday, 3/14. **The Cut Over from ALT to DDT was successful.**

[snip]

Migration to DDT

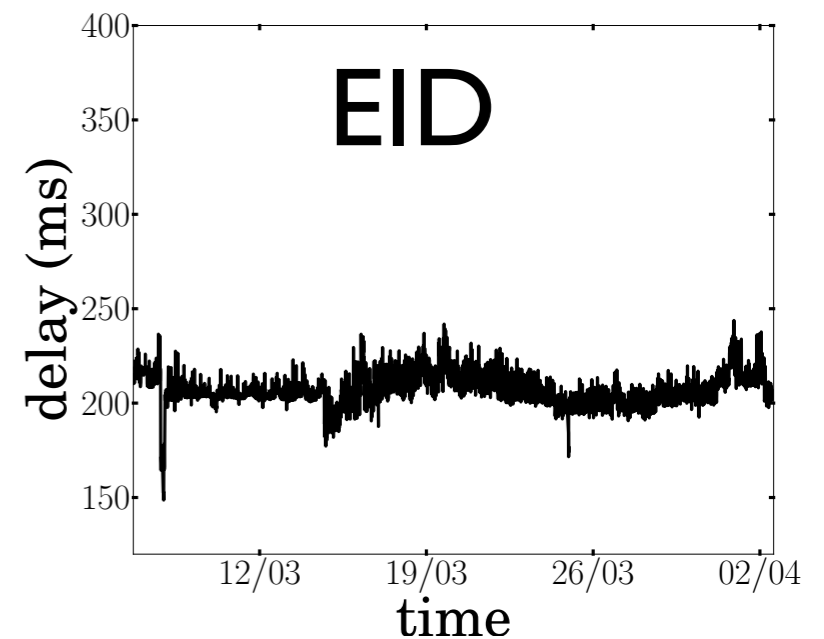
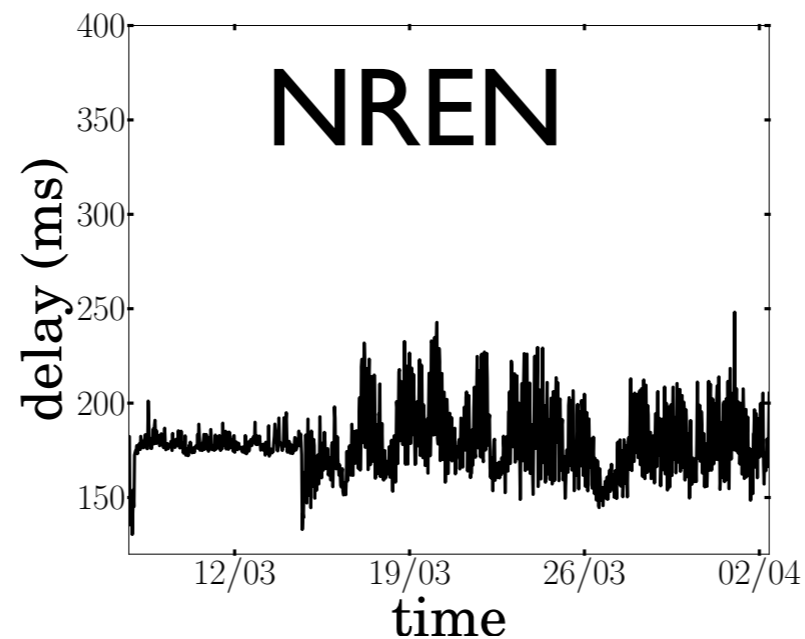
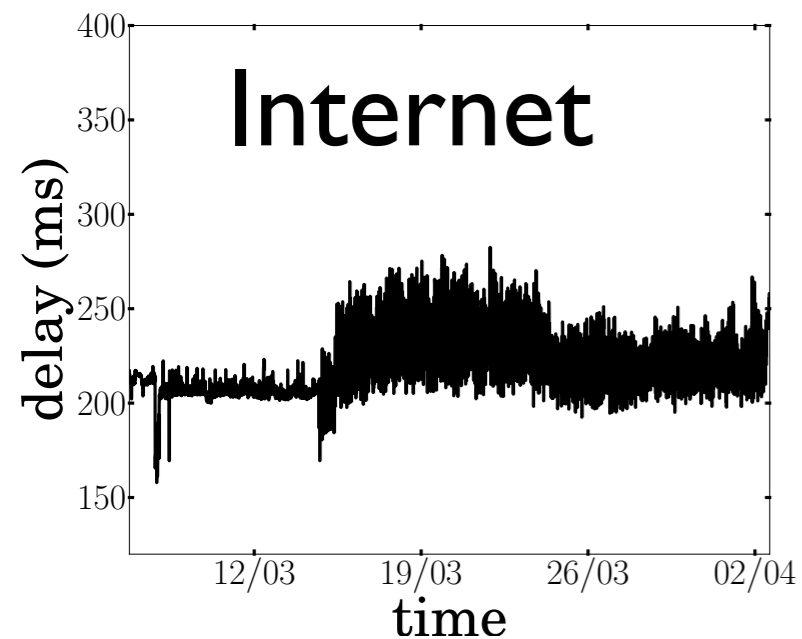
- LISP-DDT was planned to replace LISP +ALT
- *lisp.net* successfully migrated from ATL to DDT on 3/14/2012
- Profit from the flag day to see the implications of the change

Methodology

- Actively measure the mapping system from 03/07 to 04/02
- 3 vantages points (hosted in US commercial ISP, France NREN, and Germany *lisp4.net*)
- *lig* to every EID prefix every 15 minutes

Observations

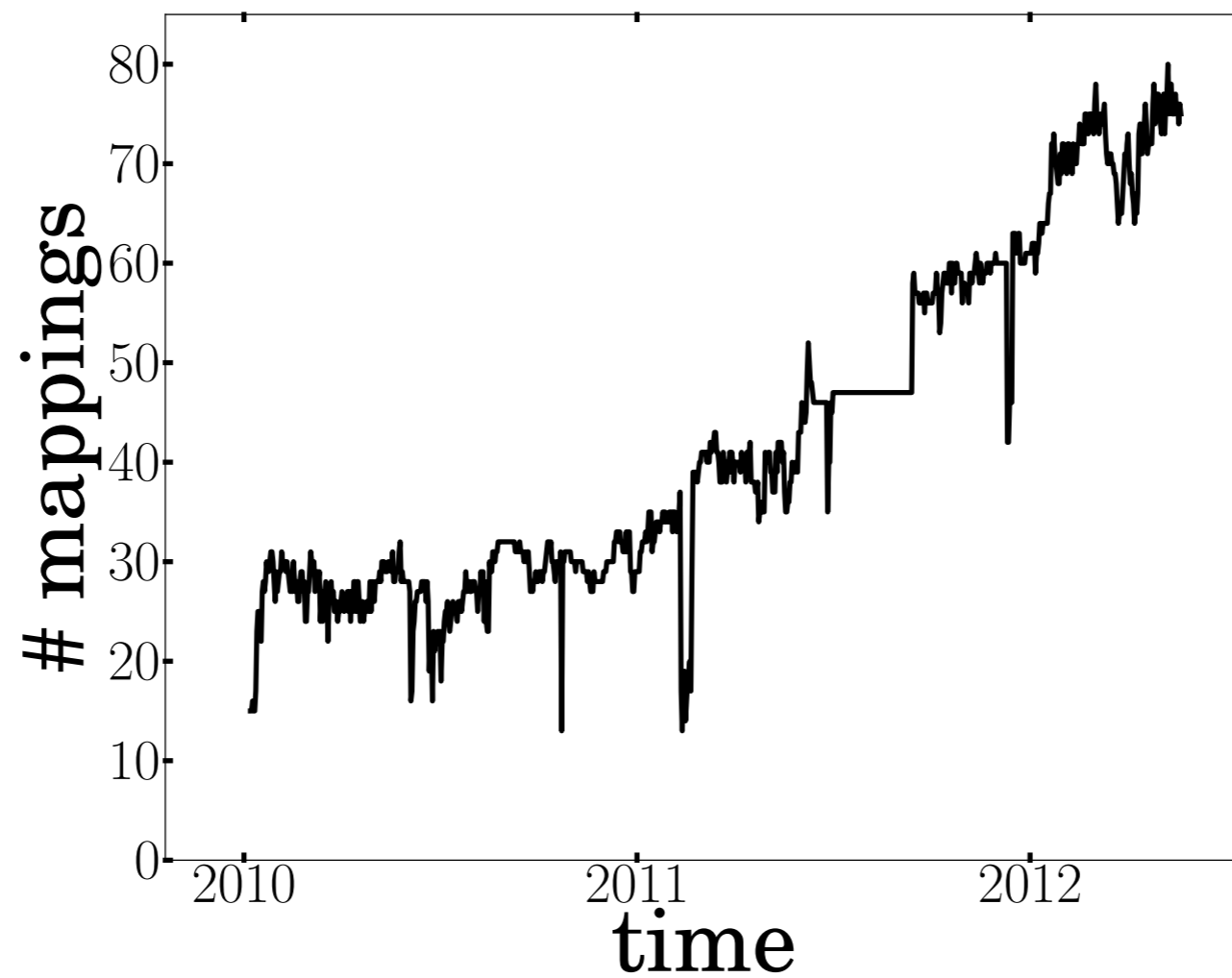
- no visible impact on the mappings
- impact on the delay



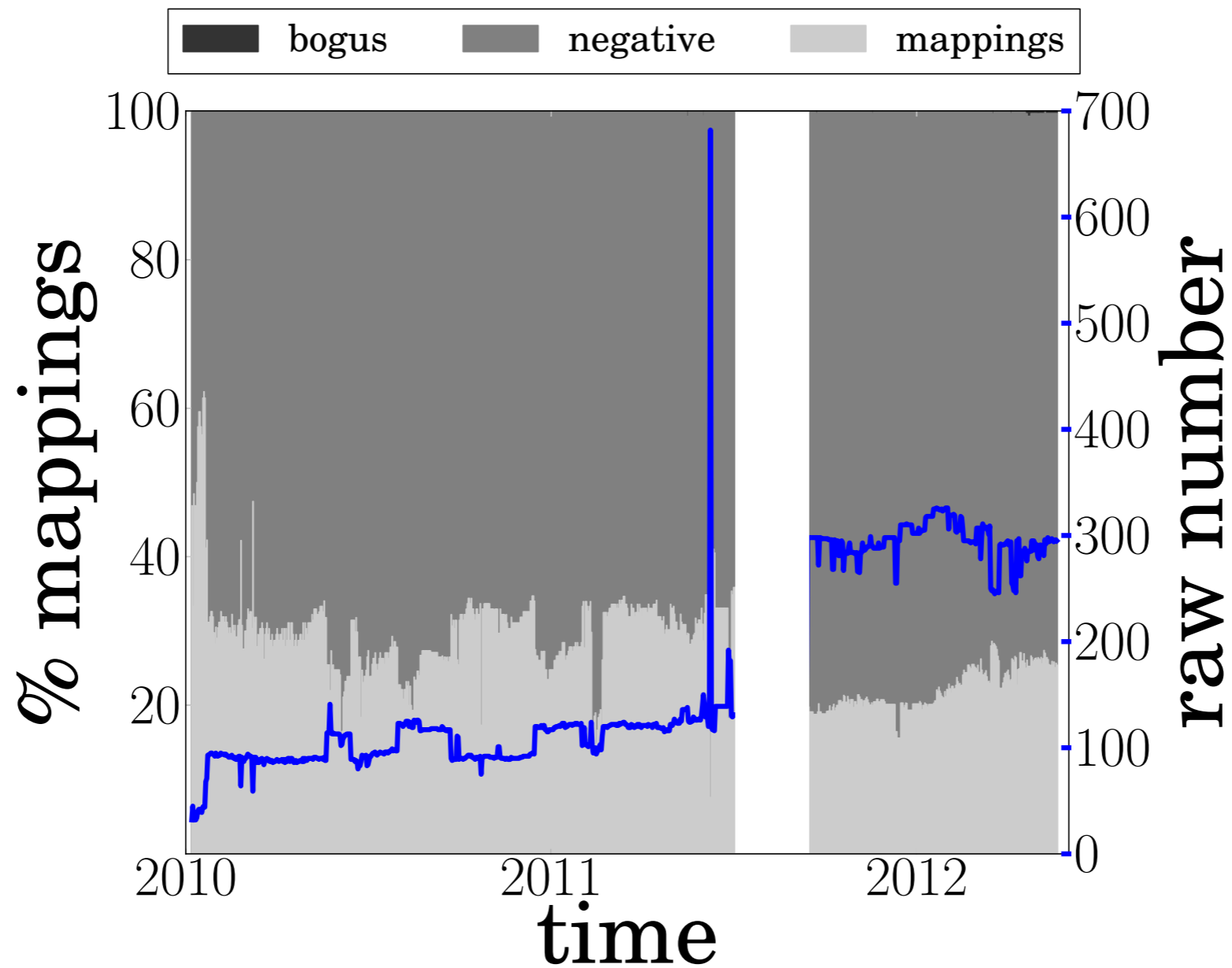
Trends on the long run?

- First trial with LISPmon (lispmon.net)
 - deployed by UPC in Spain (lori)
- Continuously monitors *lisp.net* since 01/06/2010
 - low monitoring frequency
 - logs are archived and publicly available
- LISPmon aims to become the equivalent of potaroo.net for LISP

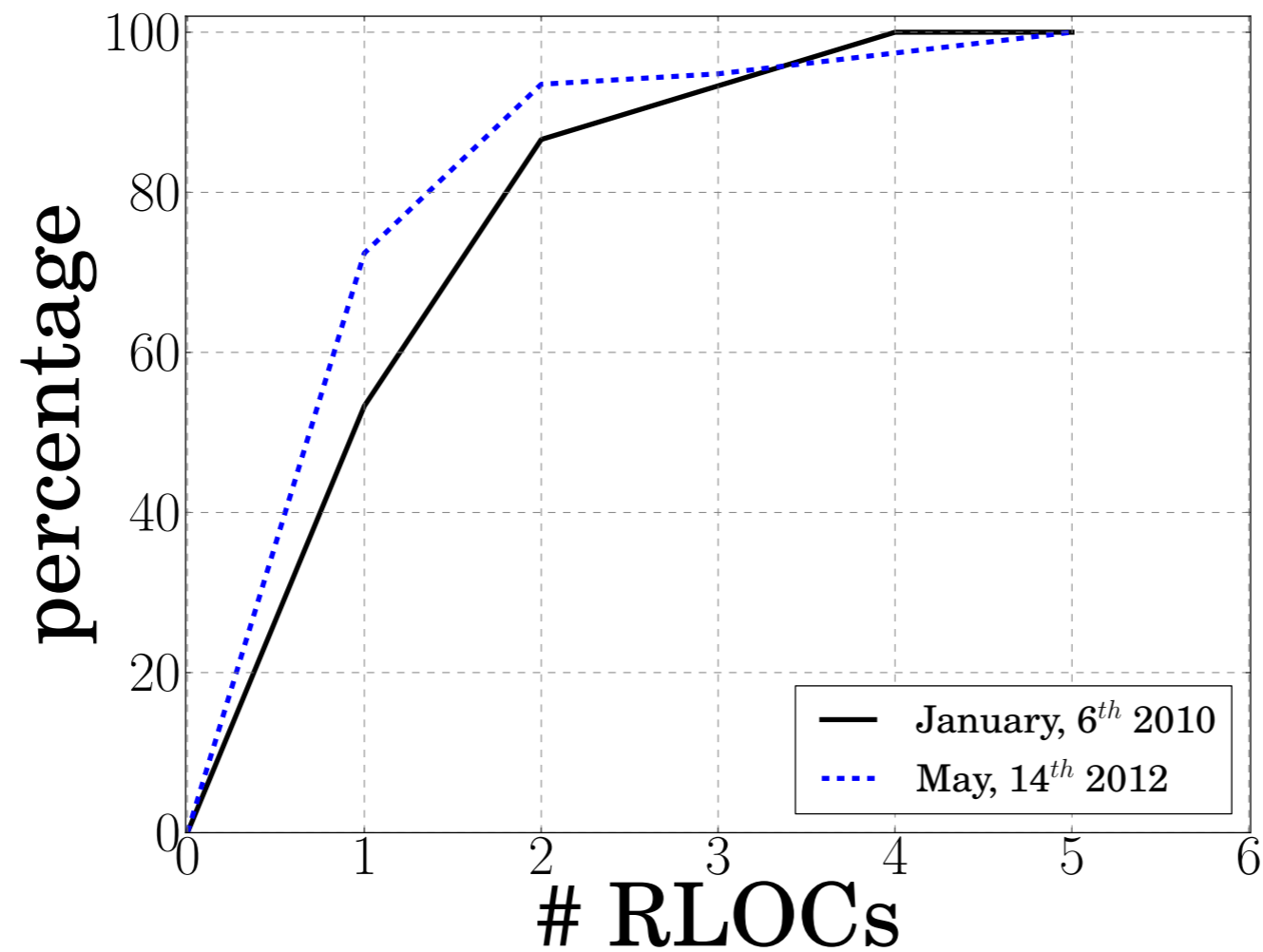
Increasing number of mappings



Large number of negative replies



Limited usage of RLOC list



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