

MBA: 2015

Working in open collaboration, to build a transparent measurement collection and reporting methodology, and to publish a freely available dataset of US consumer broadband performance, since 2010.

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M-Lab Overview

MLAB

- Platform & Resources
- Monitoring
- Capacity
- Locations
- Connectivity

Pre-July 2015

- Higher speed plans from ISPs led to increased utilisation across M-Lab sites
- Slowly began to affect multiple speed tiers from spring 2015 onwards. Most noticeable on 50Mbps+, with gap developing between M-Lab and Level3/on-net
- M-Lab had provisioned many new sites in the US though. SamKnows introduced these into testing on Wednesday 1st July 2015
- This eliminated the gap for tiers under 100Mbps

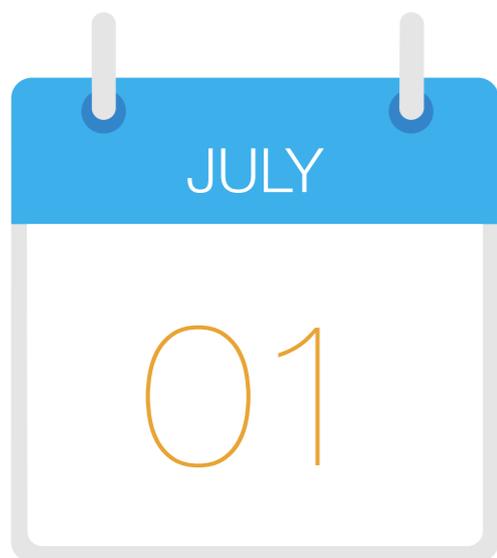




1 Site (1Gbps)



4 Sites (4Gbps)

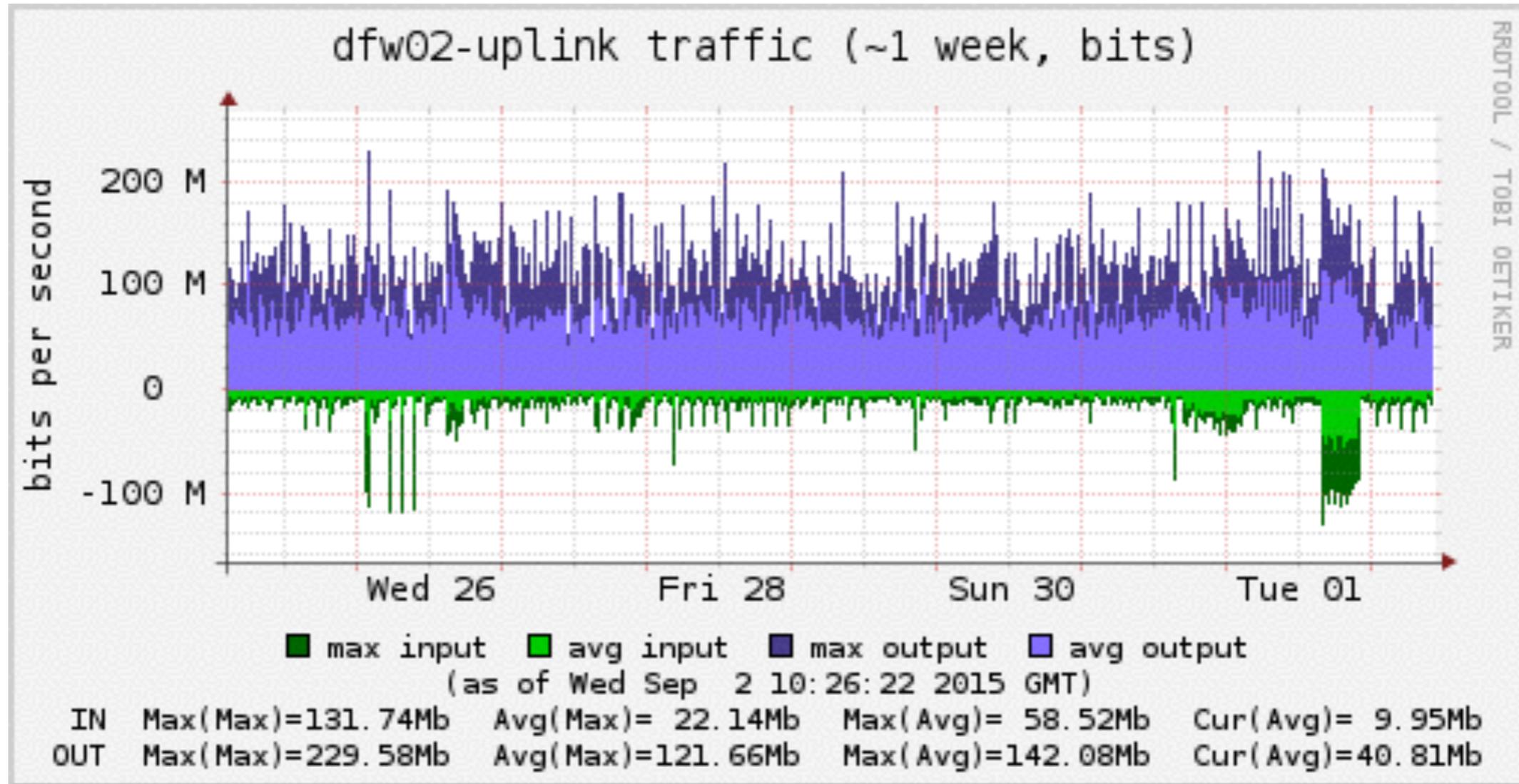


Post-July 2015

- Gap between M-Lab and Level3/on-net still observed for 100Mbps+ plans, albeit smaller.
- No evidence of network or resource capacity issues at M-Lab sites.
- Not isolated to one particular site or ISP.
- Investigation actively ongoing between SamKnows, M-Lab and carriers.



DFW02 Network Utilisation



Next Steps

- ✓ Continue to work with M-Labs closely to identify the issue.
- ✓ Provide update report to collaborative on Wednesday 9th September 2015.
- ✓ Measurement Month to start on Tuesday 1st September 2015.
- ✓ Extend measurement month till Saturday October 31st 2015 as per FCC policy.



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