

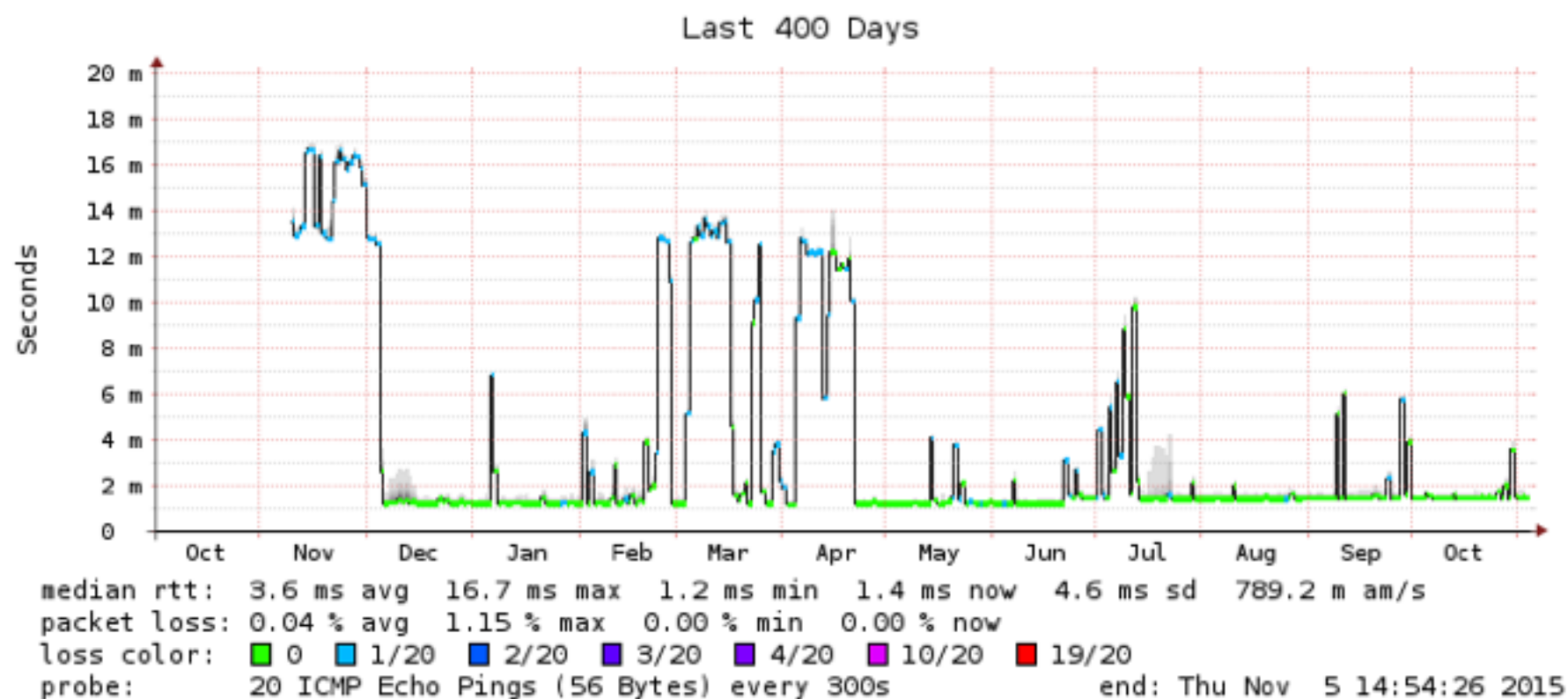
Wifimon - crowdsourced performance measurement

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3G/4G
14V/100mA
ALP



3G/4G USB



RIPE
NCC



NCC
RIPE

Step 1: Rip off Geoff Huston

Performance per Access Point

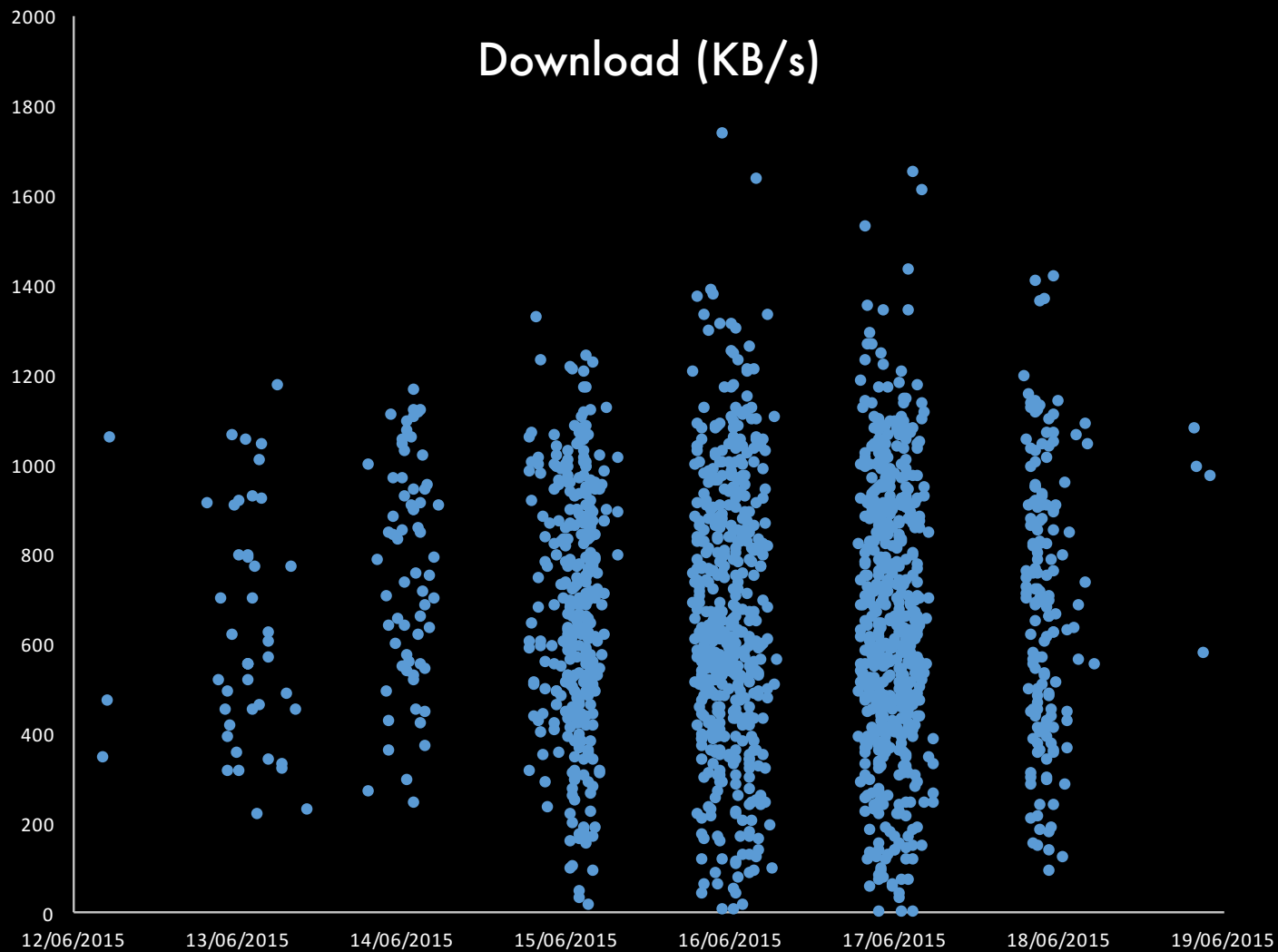
What we need	Javascript	RADIUS/DHCP
Timestamp	Timestamp	Timestamp
Performance result	Performance result	
ID of access point		ID of access point
	IP address	IP address

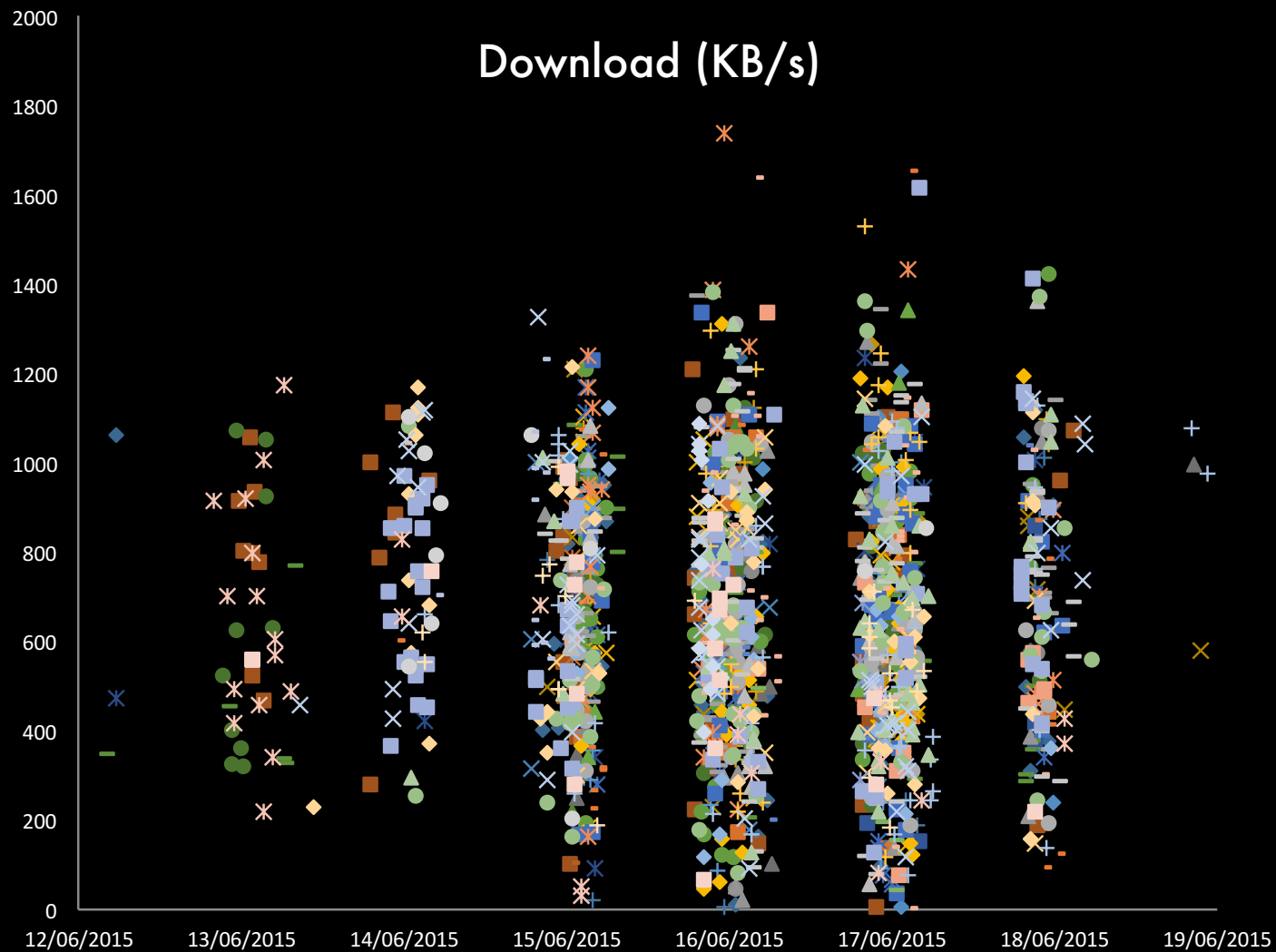
The diagram illustrates data flow between Javascript and RADIUS/DHCP. Red ovals group the following data points across the columns:

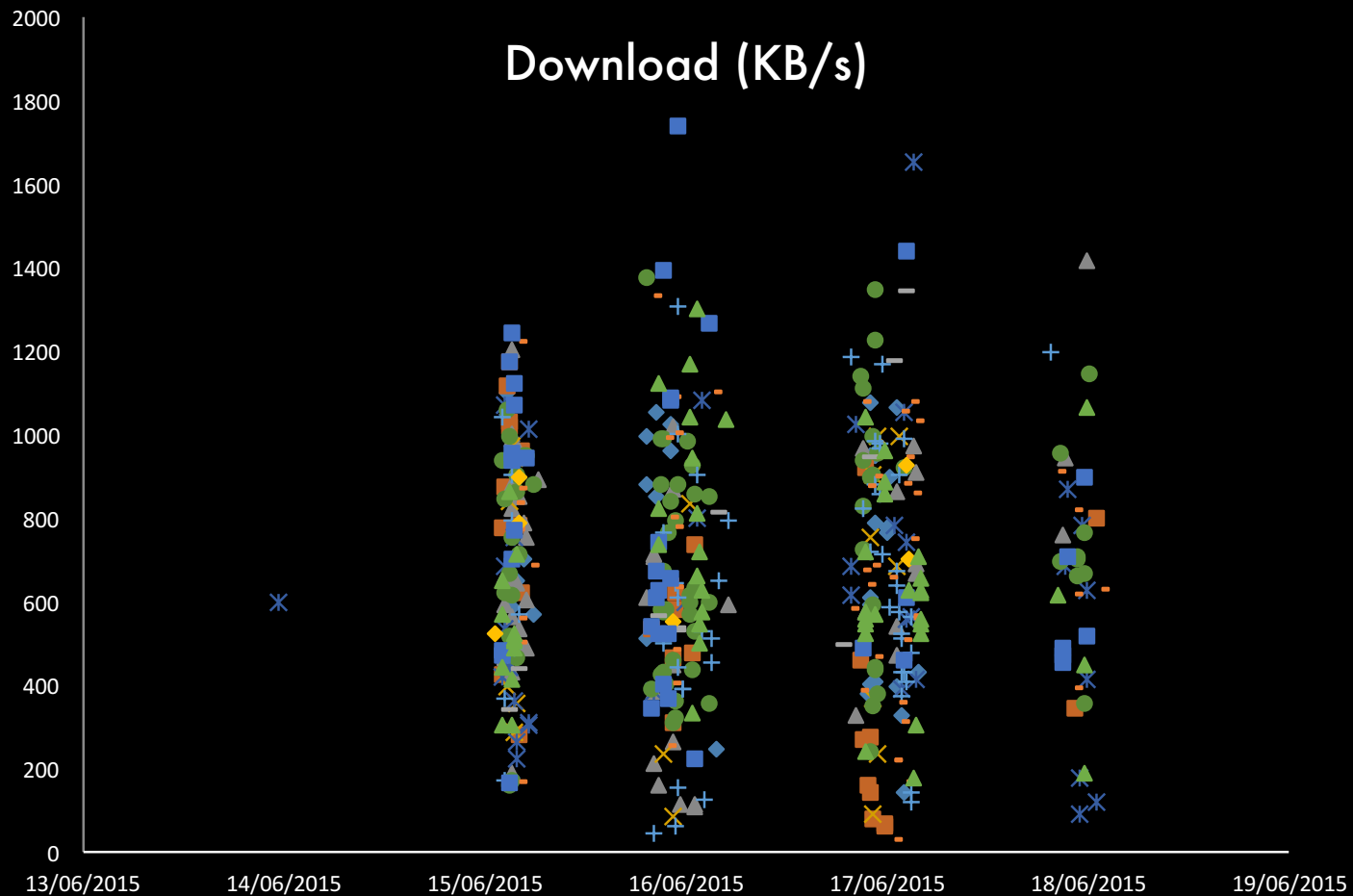
- Timestamp
- Performance result
- IP address

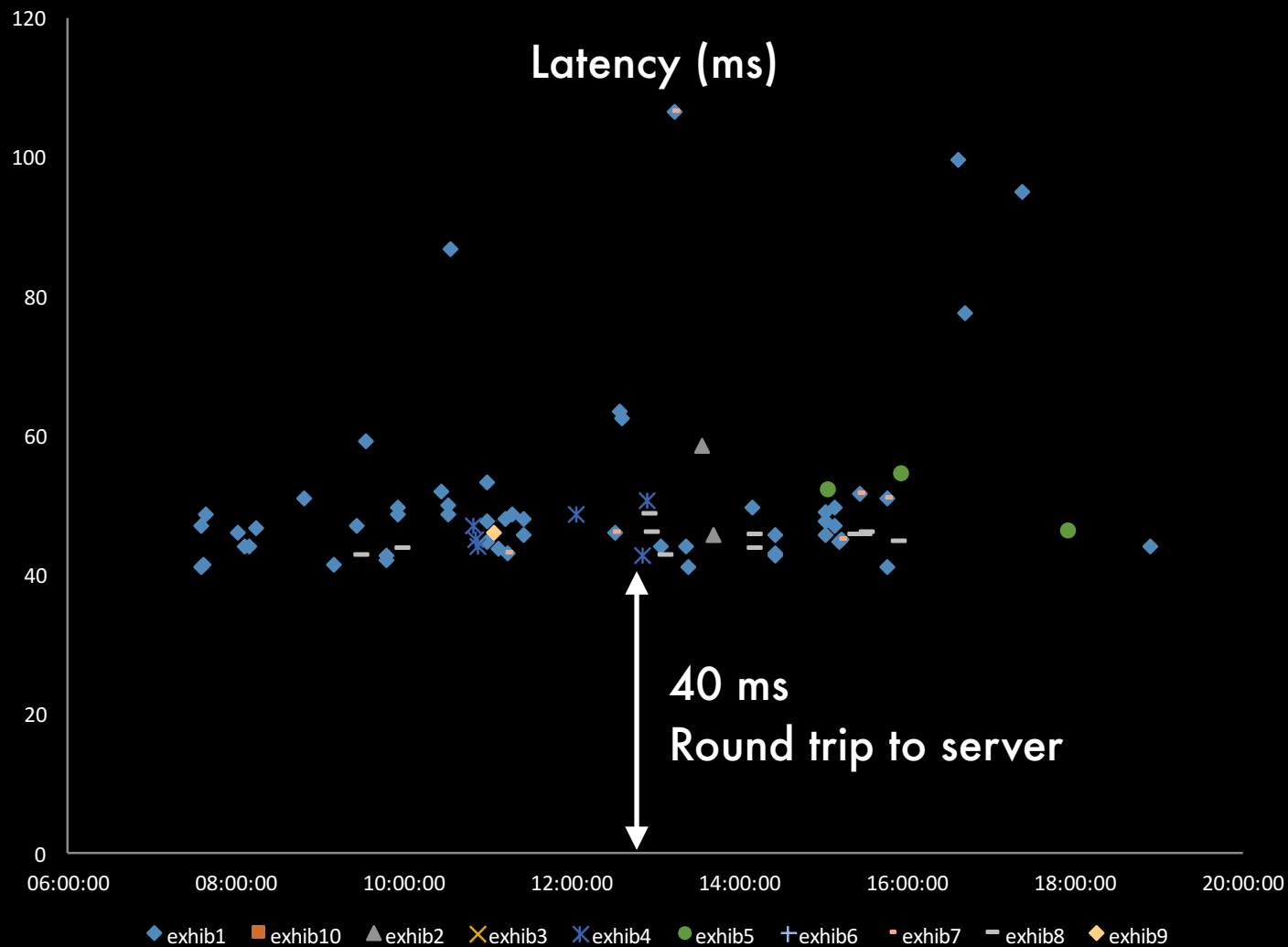
An arrow points from the 'Performance result' in the Javascript column to the 'ID of access point' in the RADIUS/DHCP column.

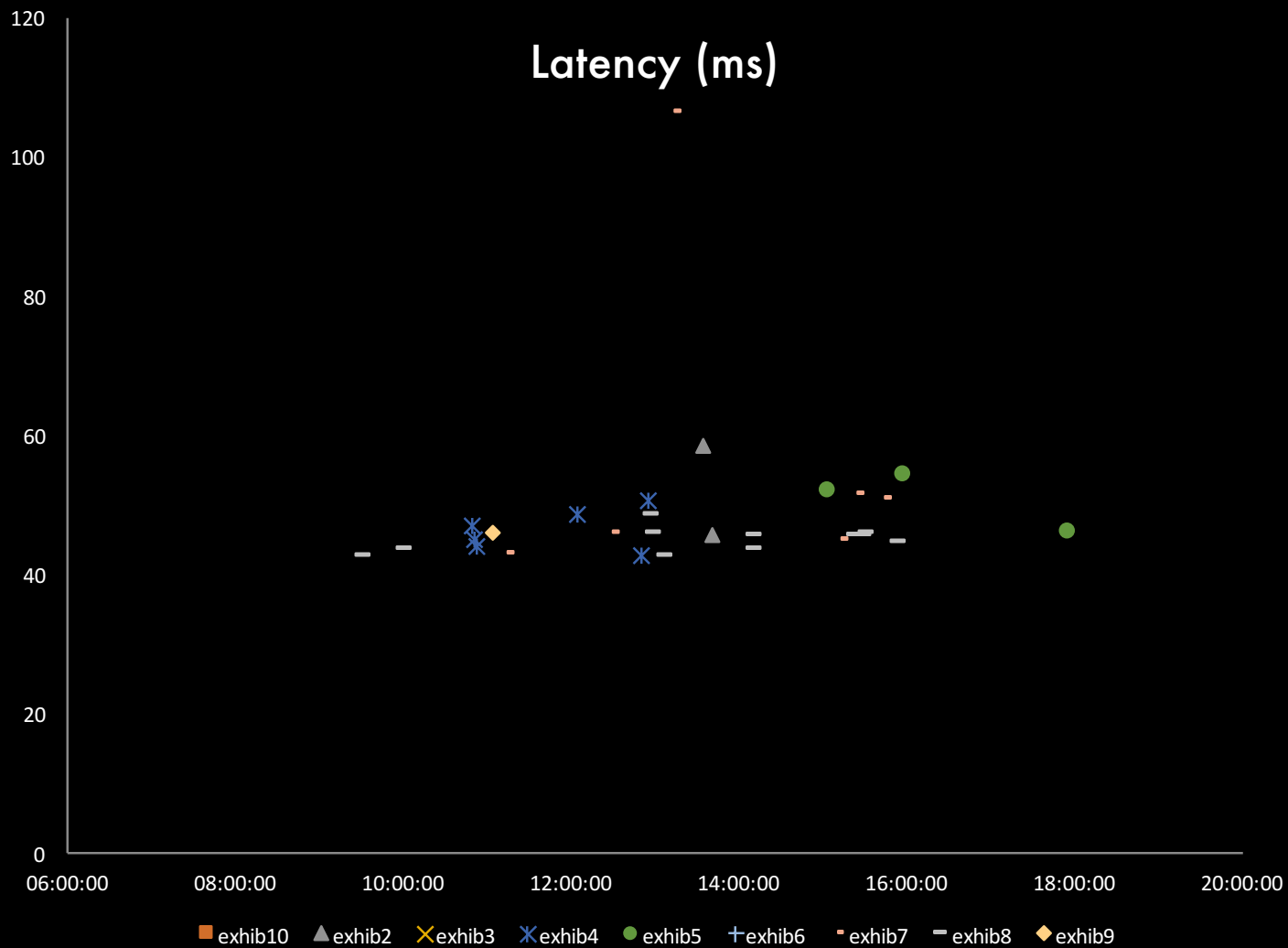
How to try this?



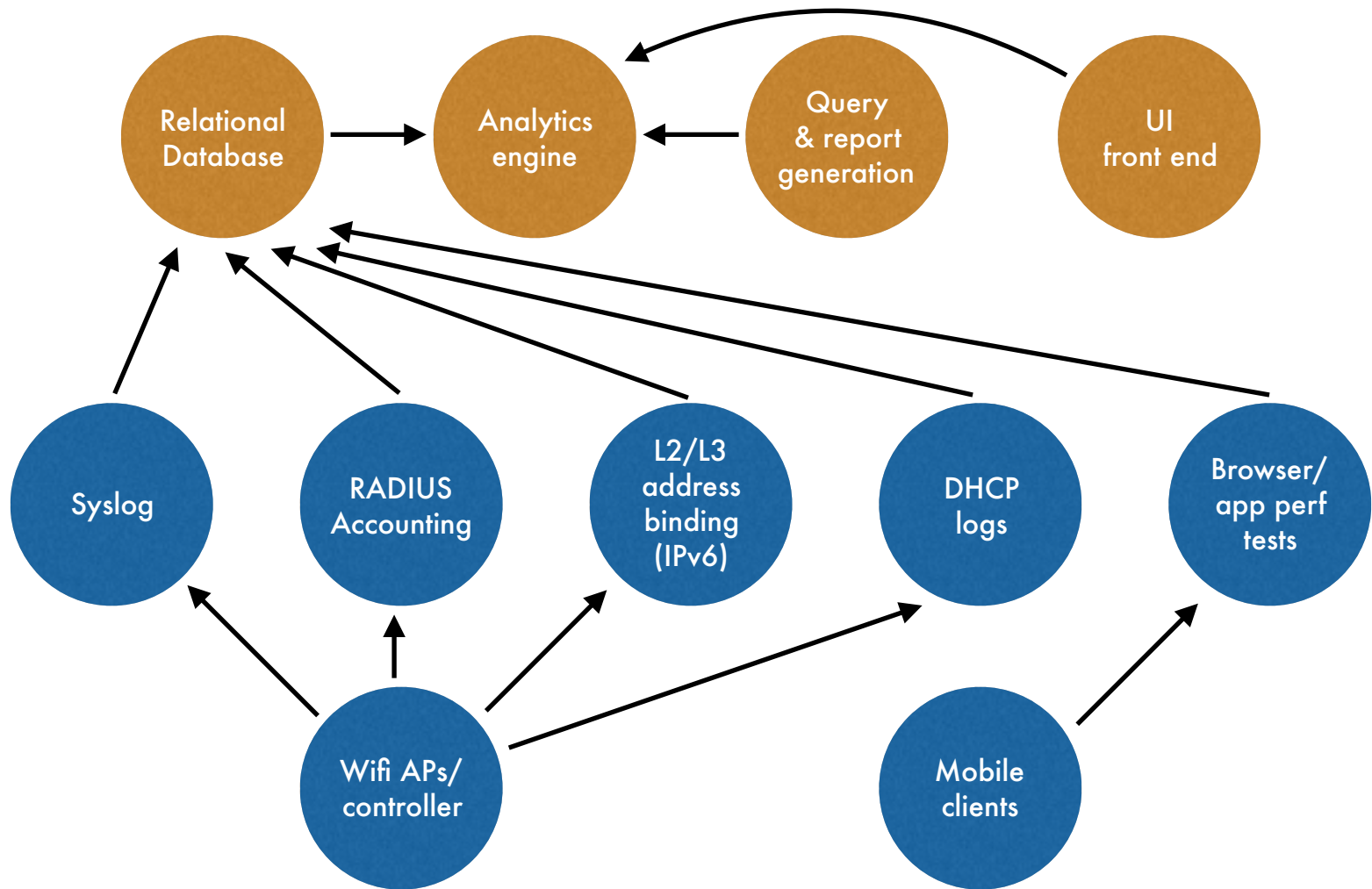








How to build this?

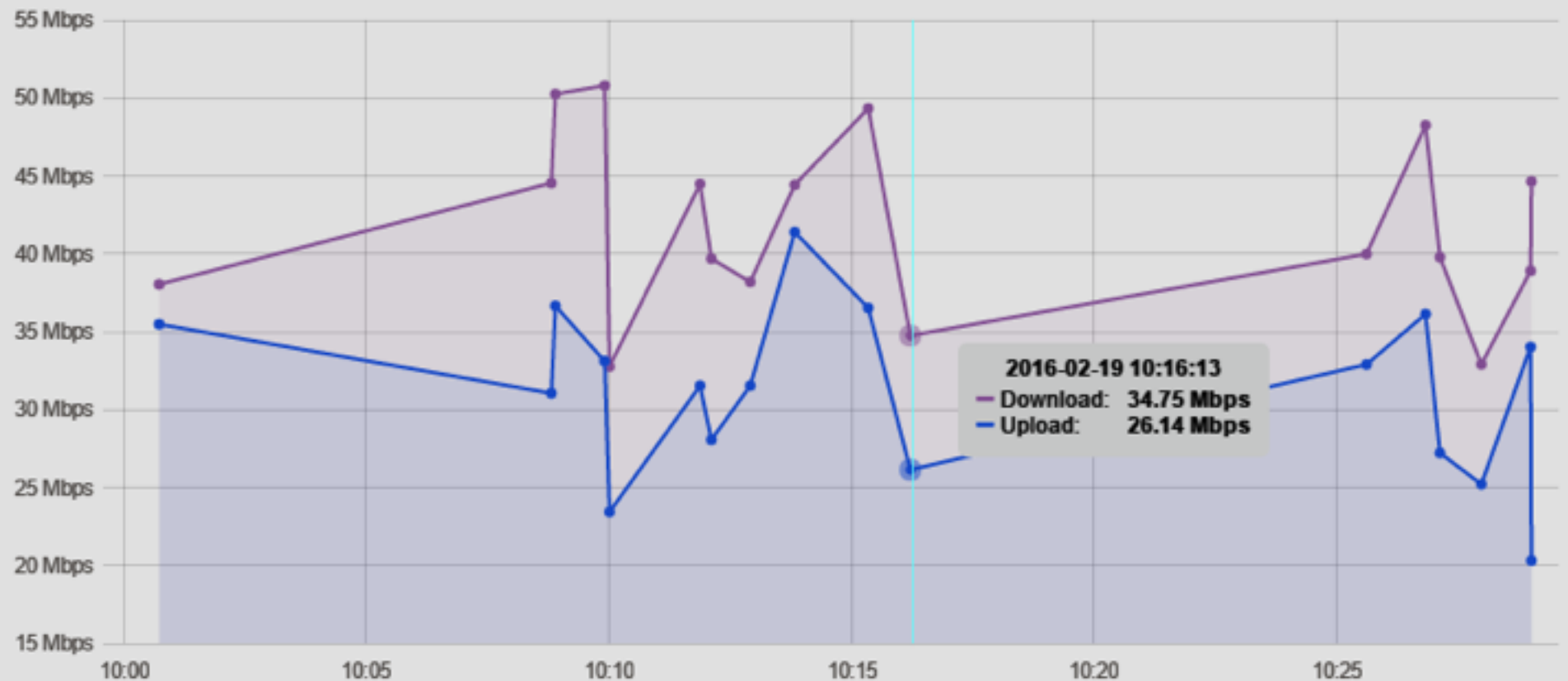


Dublin City University



Id	Test Date/Time (UTC)	Start Time (UTC)	Username	Download Rate (KB/s)	Upload Rate (KB/s)	Ping (ms)	Client IP Address	Client IP (Logs)	Client MAC Address	AP IP Address	AP MAC Address	NAS Port Type	User Agent
376	2016-05-23 09:27:43.839	2016-02-25 09:09:07.0	kokkinos	9018.0	4312.0	4.5	150.140.141.20	150.140.141.20	00-24-d7-e2-4e-1A	150.140.141.12	00-0c-29-7c-03-7A	Wireless - 802.11a/g	Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/50.0.2661.102 Safari/537.36
375	2016-05-19 10:34:34.892	2016-02-25 09:09:07.0	kokkinos	8815.0	4532.0	5.5	150.140.141.20	150.140.141.20	00-24-d7-e2-4e-1A	150.140.141.12	00-0c-29-7c-03-7A	Wireless - 802.11a/g	Mozilla/5.0 (Windows NT 10.0; WOW64)

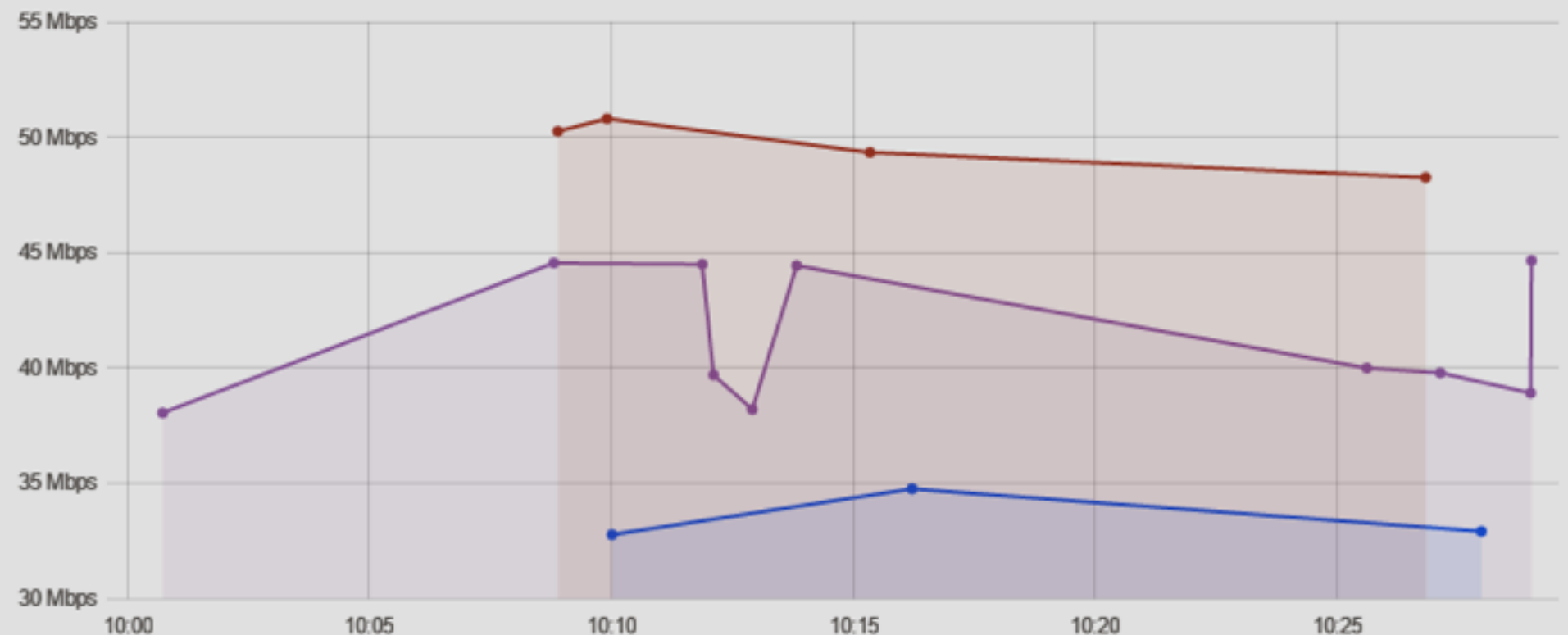
Throughput



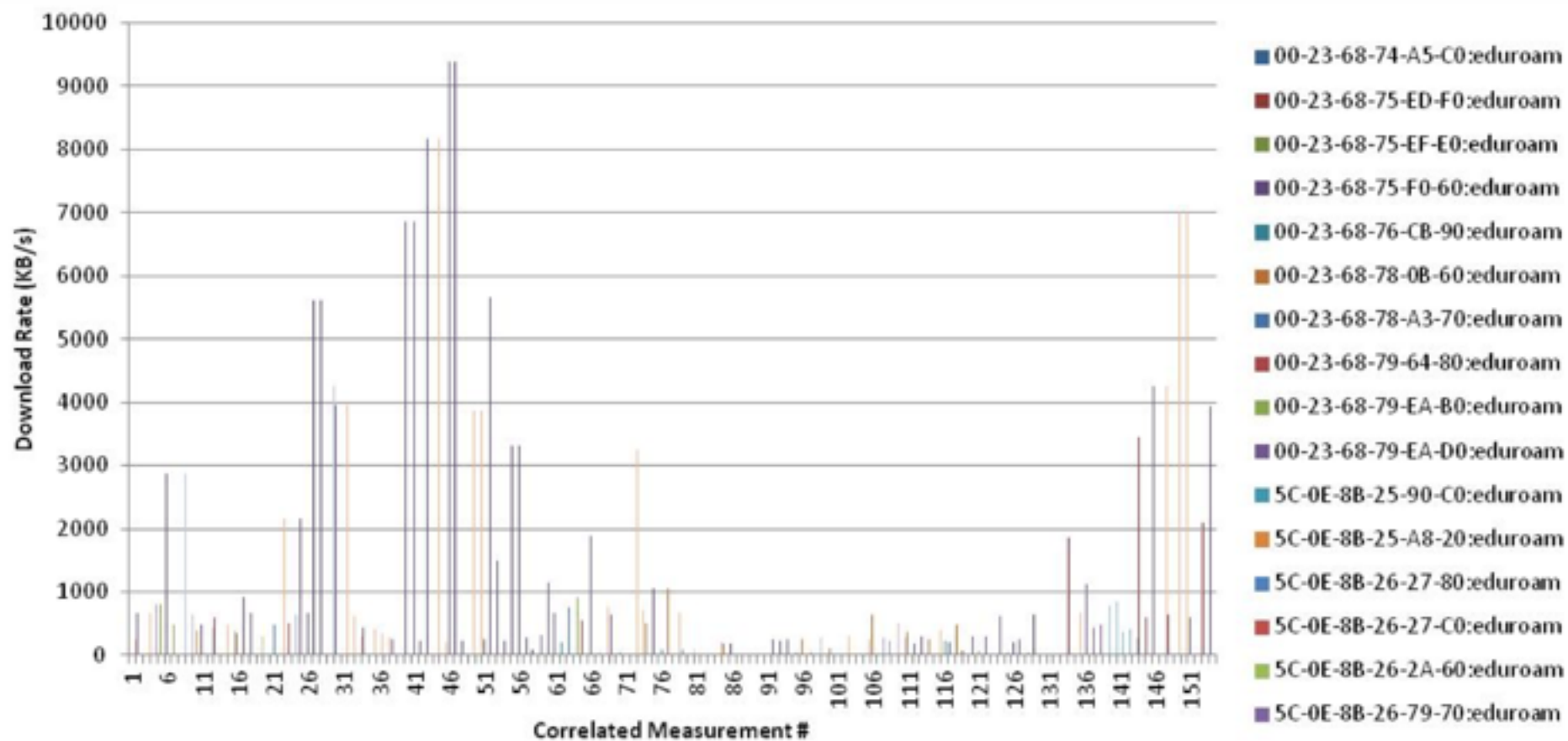
2016-02-19 10:16:13
 Download: 34.75 Mbps
 Upload: 26.14 Mbps

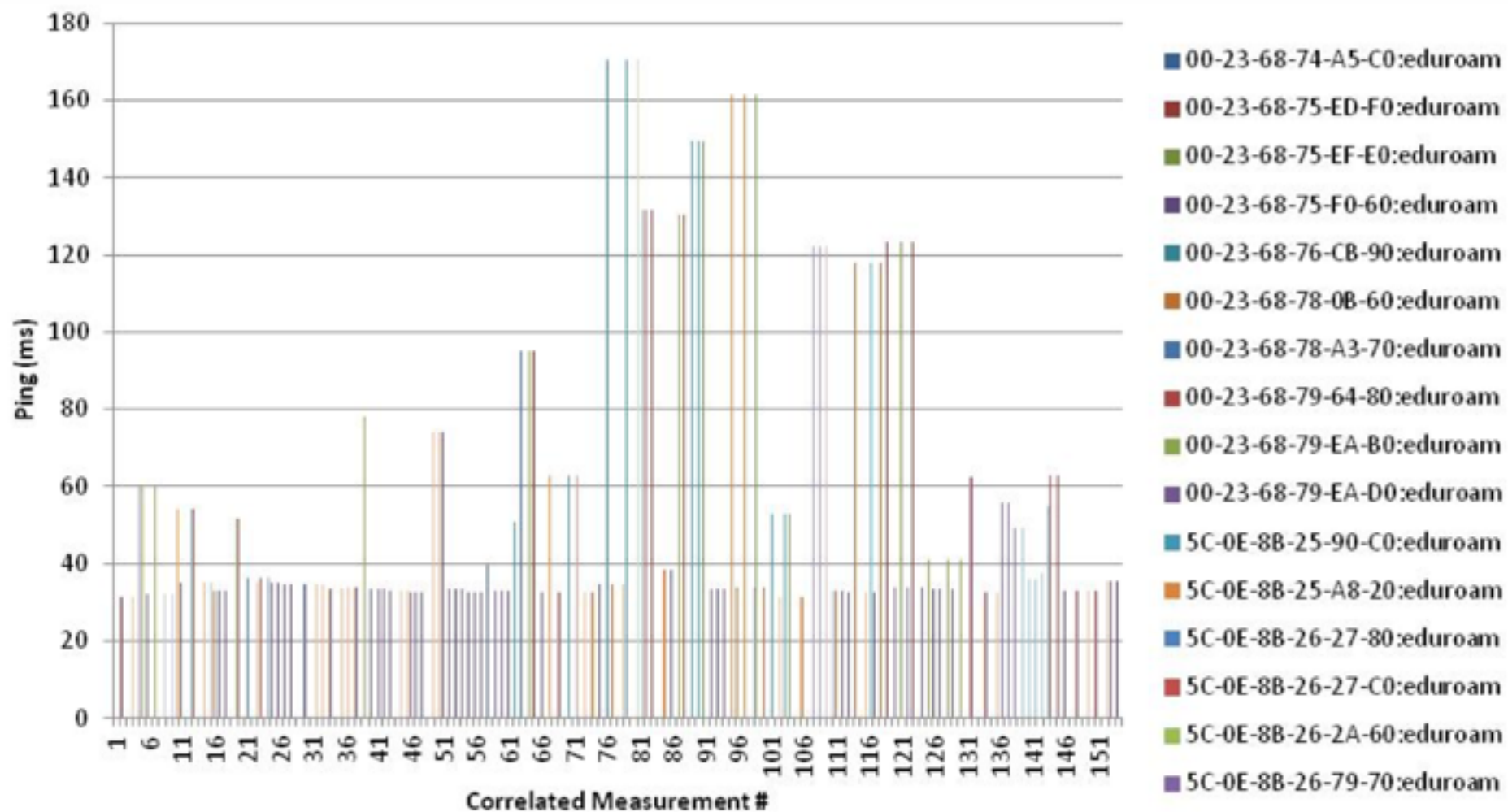
	min	max	avg	current
Download	32.76 Mbps	50.79 Mbps	41.86 Mbps	44.64 Mbps
Upload	20.31 Mbps	41.39 Mbps	31.22 Mbps	20.31 Mbps

Download Throughput per Browser



	min	max	avg	current
Chrome	38.04 Mbps	44.64 Mbps	41.27 Mbps	44.64 Mbps
Firefox	32.76 Mbps	34.75 Mbps	33.47 Mbps	32.90 Mbps
Microsoft Edge	48.25 Mbps	50.79 Mbps	49.65 Mbps	48.25 Mbps





Scripts

Cookies

Logs

NAT

Privacy

Runnable code

Mailing list

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