

Pantheon Report

Generated at 2018-07-27 02:10:51 (UTC).

Data path: GCE Sydney Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

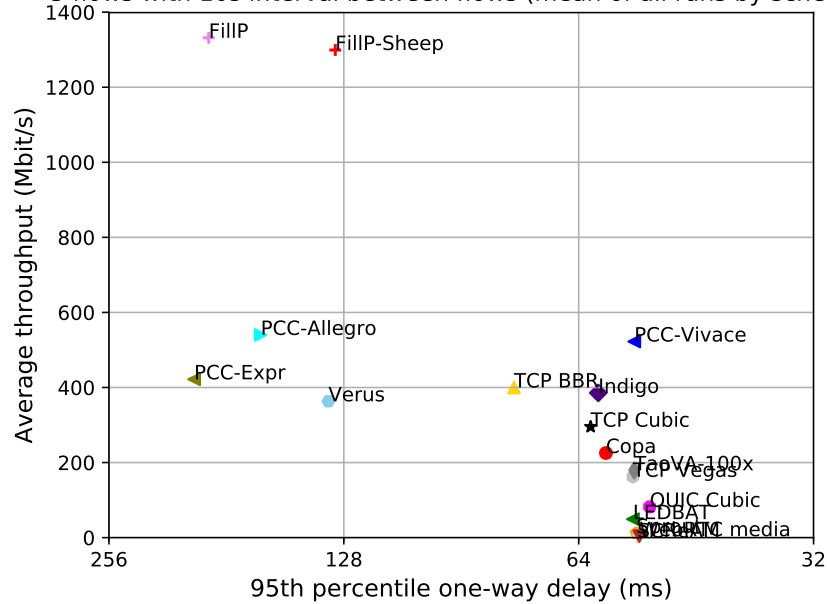
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `time.google.com` and have been applied to correct the timestamps in logs.

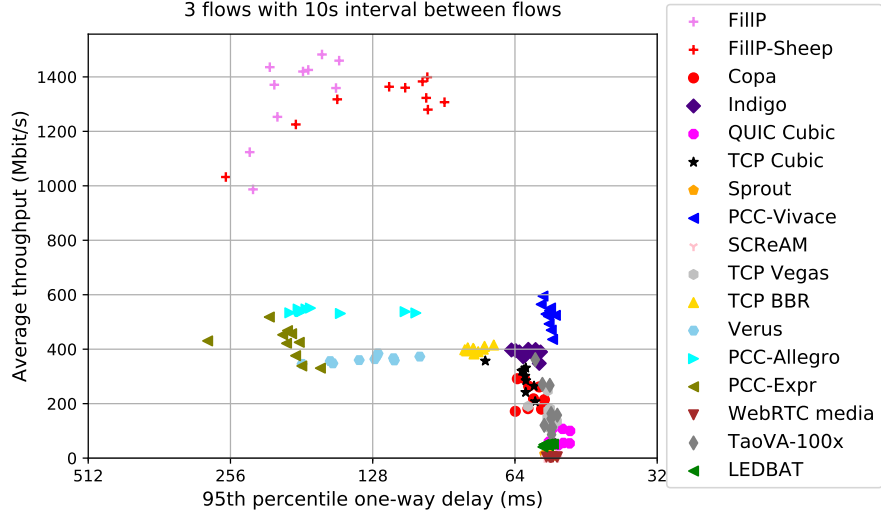
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Sydney to GCE Tokyo, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from GCE Sydney to GCE Tokyo, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



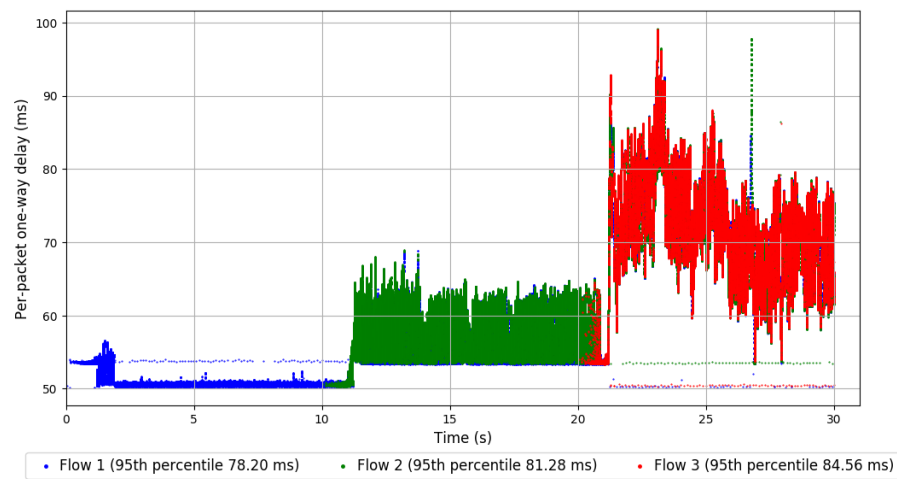
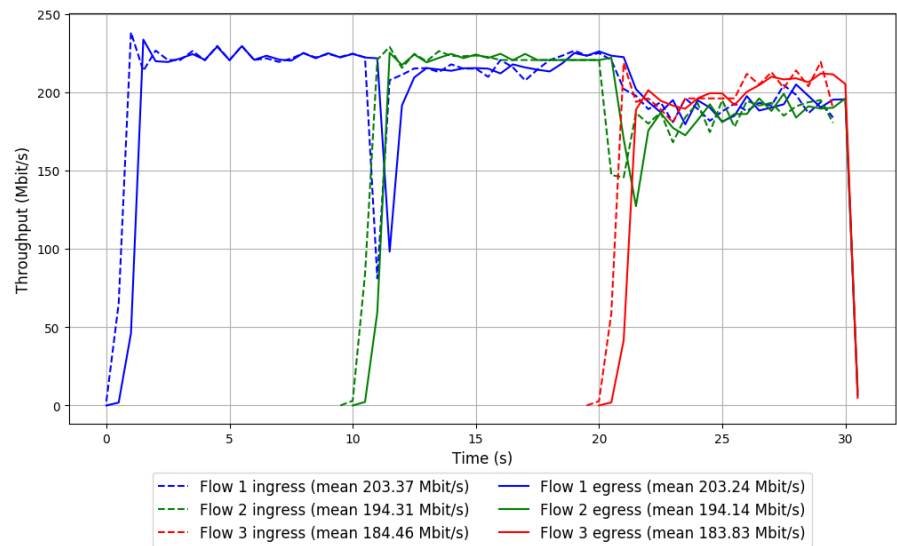
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	203.97	199.70	189.71	75.86	77.65	79.24	0.05	0.06	0.23
Copa	10	144.96	89.50	76.24	58.39	57.90	63.17	0.01	0.03	0.02
TCP Cubic	10	170.30	154.93	65.97	60.65	61.56	61.44	0.01	0.06	0.29
FillP	10	725.01	616.36	592.83	186.44	184.32	157.44	2.15	1.72	1.82
FillP-Sheep	10	697.54	641.53	526.48	125.57	126.04	109.54	0.14	0.36	0.40
Indigo	10	207.07	193.30	154.63	59.41	60.75	62.07	0.01	0.03	0.06
LEDBAT	10	31.73	21.14	10.56	54.54	54.43	53.87	0.01	0.01	0.12
PCC-Allegro	10	501.02	45.32	26.97	163.59	163.21	134.31	1.42	1.47	1.48
PCC-Expr	10	272.27	193.59	62.99	176.82	193.72	136.18	5.40	6.30	6.43
QUIC Cubic	10	29.72	59.12	39.89	51.36	51.21	51.80	0.00	0.00	0.00
SCReAM	10	0.21	0.21	0.22	53.20	52.73	53.00	0.00	0.00	0.00
Sprout	10	6.30	6.25	5.39	53.98	54.01	53.96	0.08	0.00	0.00
TaoVA-100x	10	88.73	77.67	116.85	54.00	54.19	53.92	0.00	0.00	0.01
TCP Vegas	10	89.83	61.30	94.46	54.42	54.44	54.69	0.00	0.02	0.03
Verus	10	212.59	173.18	110.80	119.05	141.26	144.74	0.19	0.49	0.34
PCC-Vivace	10	316.17	259.22	102.76	53.53	54.44	56.33	0.00	0.01	0.02
WebRTC media	10	2.10	1.34	0.55	53.53	52.75	52.47	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-26 18:25:49
End at: 2018-07-26 18:26:19
Local clock offset: -0.081 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-26 22:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 393.83 Mbit/s
95th percentile per-packet one-way delay: 80.998 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 203.24 Mbit/s
95th percentile per-packet one-way delay: 78.197 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 194.14 Mbit/s
95th percentile per-packet one-way delay: 81.279 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 183.83 Mbit/s
95th percentile per-packet one-way delay: 84.564 ms
Loss rate: 0.33%

Run 1: Report of TCP BBR — Data Link

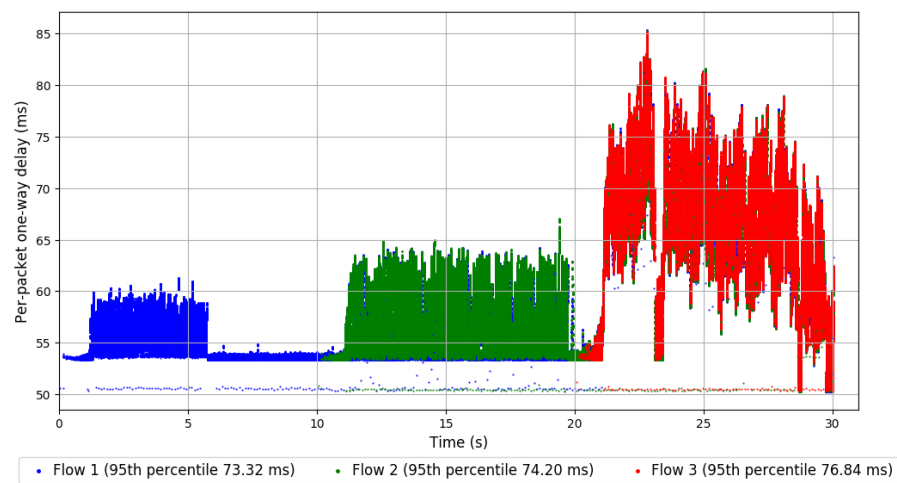
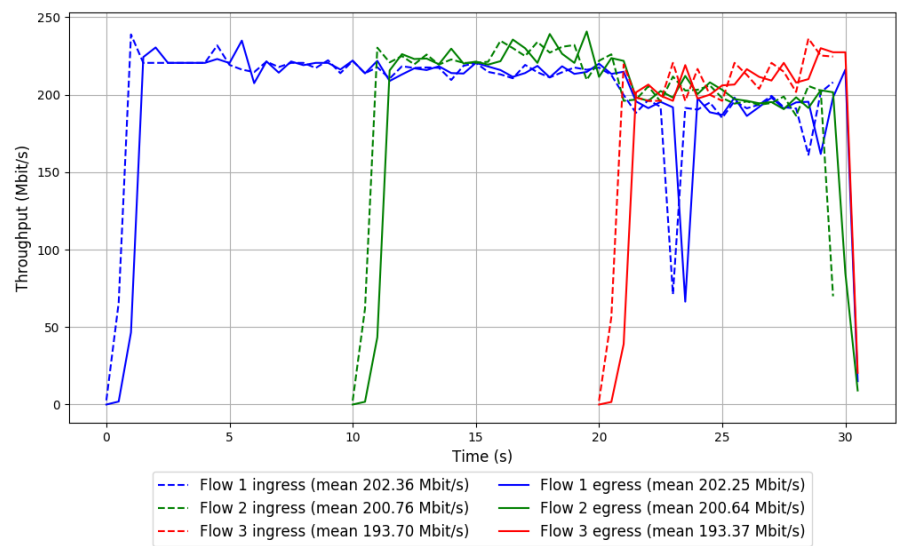


Run 2: Statistics of TCP BBR

Start at: 2018-07-26 18:50:32
End at: 2018-07-26 18:51:02
Local clock offset: -0.243 ms
Remote clock offset: -0.262 ms

Below is generated by plot.py at 2018-07-26 22:52:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 400.18 Mbit/s
95th percentile per-packet one-way delay: 74.674 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 202.25 Mbit/s
95th percentile per-packet one-way delay: 73.320 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 200.64 Mbit/s
95th percentile per-packet one-way delay: 74.199 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 193.37 Mbit/s
95th percentile per-packet one-way delay: 76.836 ms
Loss rate: 0.10%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-26 19:15:40

End at: 2018-07-26 19:16:10

Local clock offset: -0.149 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-07-26 22:52:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 415.41 Mbit/s

95th percentile per-packet one-way delay: 70.962 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 213.06 Mbit/s

95th percentile per-packet one-way delay: 69.602 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 202.06 Mbit/s

95th percentile per-packet one-way delay: 71.296 ms

Loss rate: 0.07%

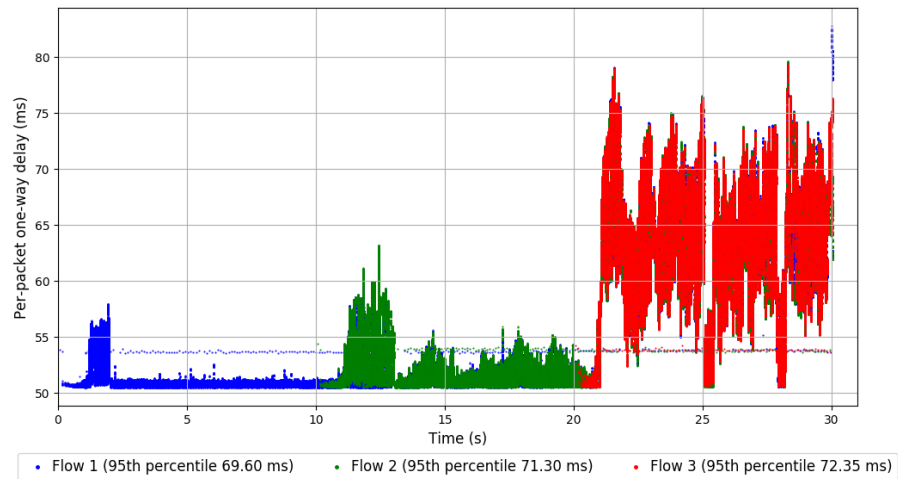
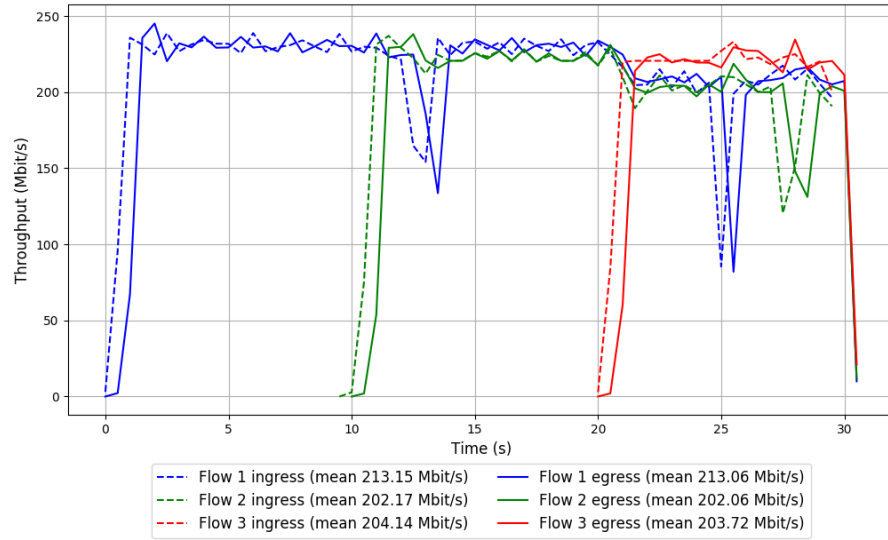
-- Flow 3:

Average throughput: 203.72 Mbit/s

95th percentile per-packet one-way delay: 72.349 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

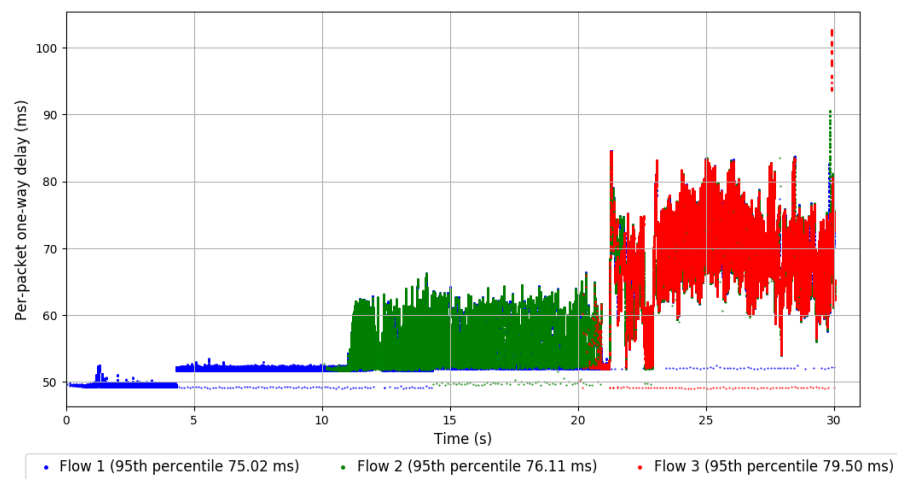
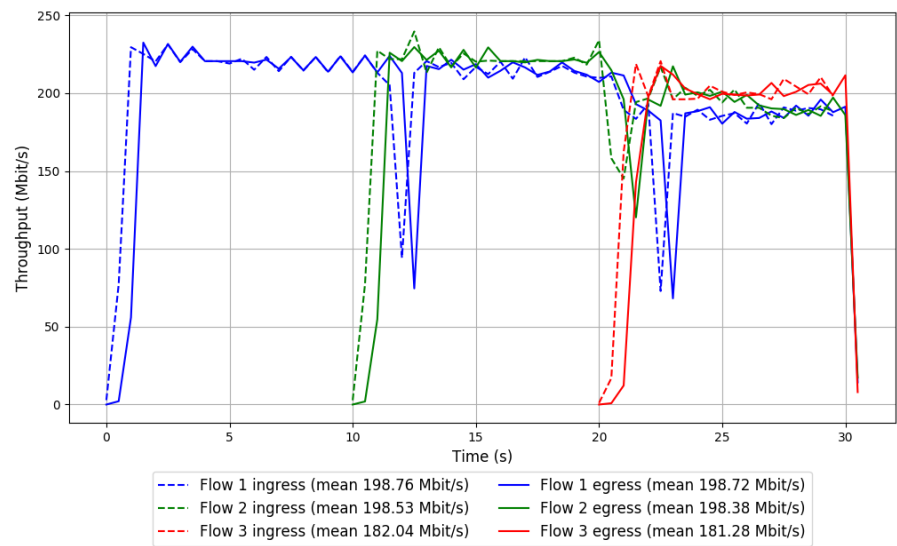


Run 4: Statistics of TCP BBR

Start at: 2018-07-26 19:40:26
End at: 2018-07-26 19:40:56
Local clock offset: -0.074 ms
Remote clock offset: -1.213 ms

Below is generated by plot.py at 2018-07-26 22:52:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 391.04 Mbit/s
95th percentile per-packet one-way delay: 76.560 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 198.72 Mbit/s
95th percentile per-packet one-way delay: 75.018 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 198.38 Mbit/s
95th percentile per-packet one-way delay: 76.109 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 181.28 Mbit/s
95th percentile per-packet one-way delay: 79.498 ms
Loss rate: 0.41%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-26 20:04:43

End at: 2018-07-26 20:05:13

Local clock offset: -0.064 ms

Remote clock offset: 0.145 ms

Below is generated by plot.py at 2018-07-26 22:52:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 402.96 Mbit/s

95th percentile per-packet one-way delay: 78.466 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 208.45 Mbit/s

95th percentile per-packet one-way delay: 76.647 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 196.00 Mbit/s

95th percentile per-packet one-way delay: 78.680 ms

Loss rate: 0.00%

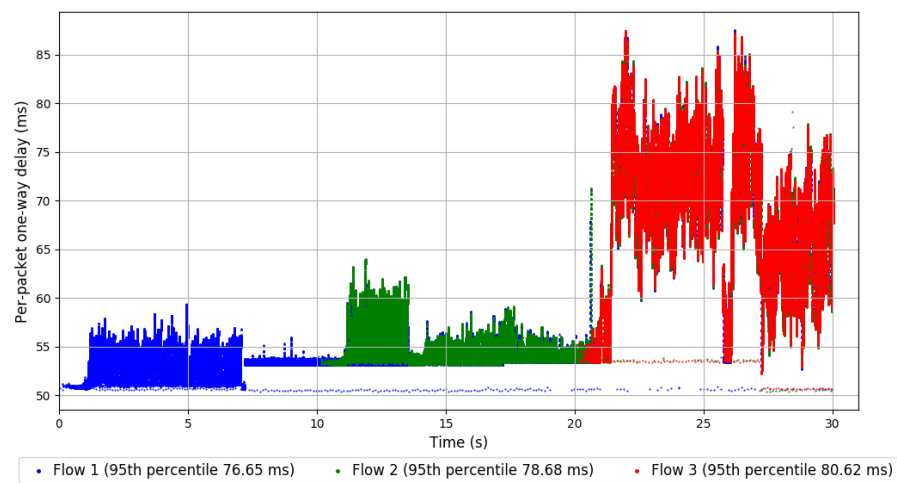
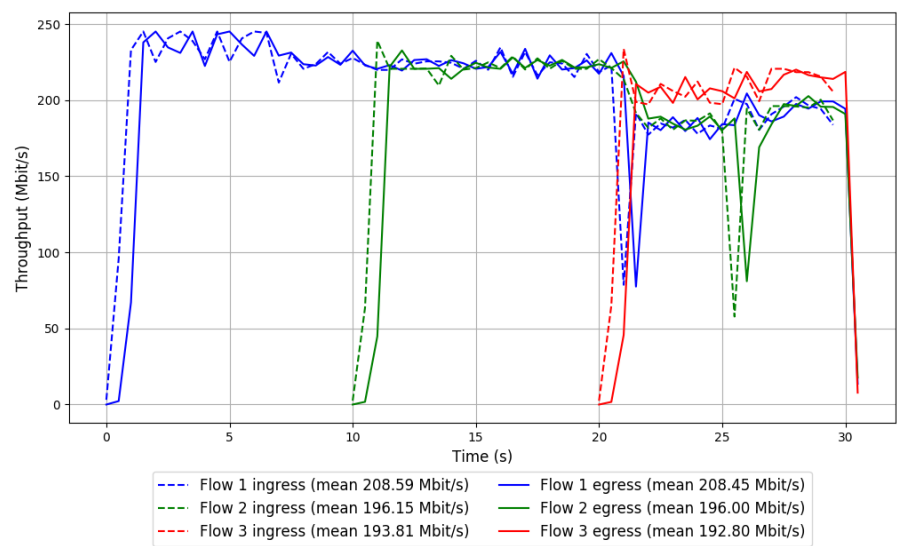
-- Flow 3:

Average throughput: 192.80 Mbit/s

95th percentile per-packet one-way delay: 80.621 ms

Loss rate: 0.49%

Run 5: Report of TCP BBR — Data Link

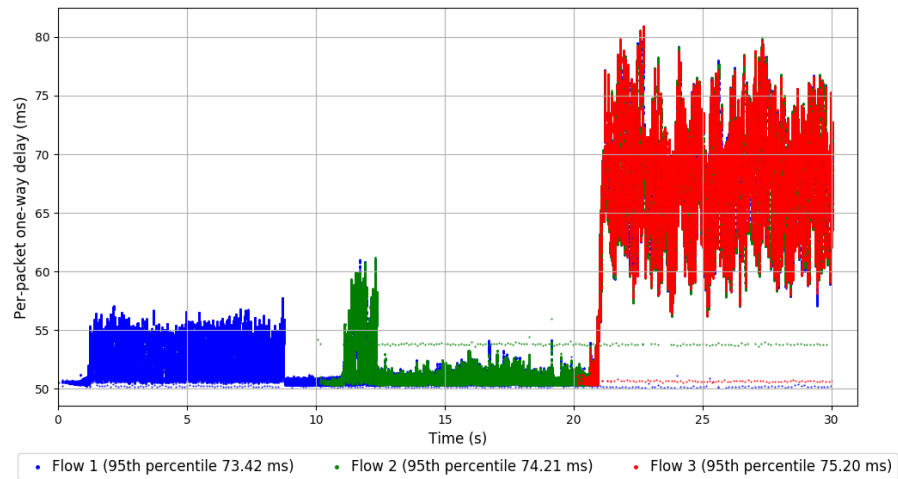
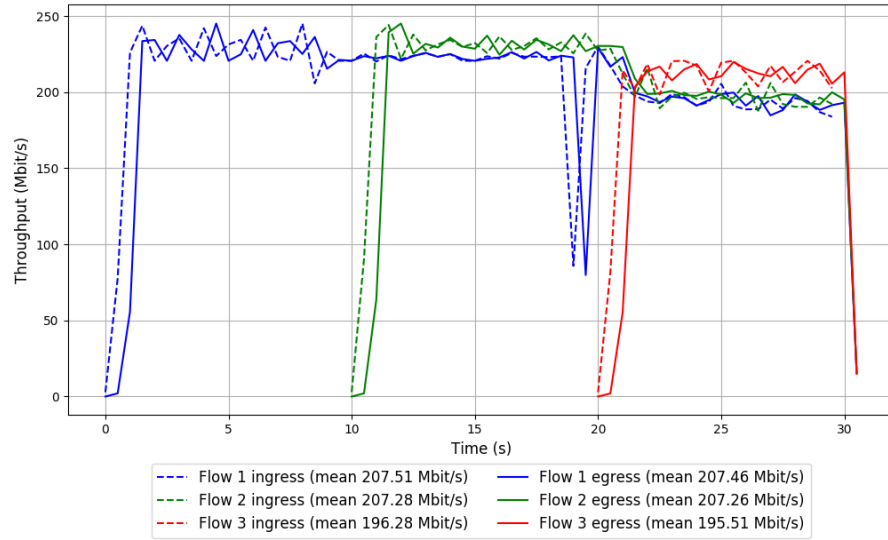


Run 6: Statistics of TCP BBR

Start at: 2018-07-26 20:29:24
End at: 2018-07-26 20:29:54
Local clock offset: 0.074 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-26 22:52:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 410.50 Mbit/s
95th percentile per-packet one-way delay: 74.228 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 207.46 Mbit/s
95th percentile per-packet one-way delay: 73.417 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 207.26 Mbit/s
95th percentile per-packet one-way delay: 74.206 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 195.51 Mbit/s
95th percentile per-packet one-way delay: 75.204 ms
Loss rate: 0.25%

Run 6: Report of TCP BBR — Data Link

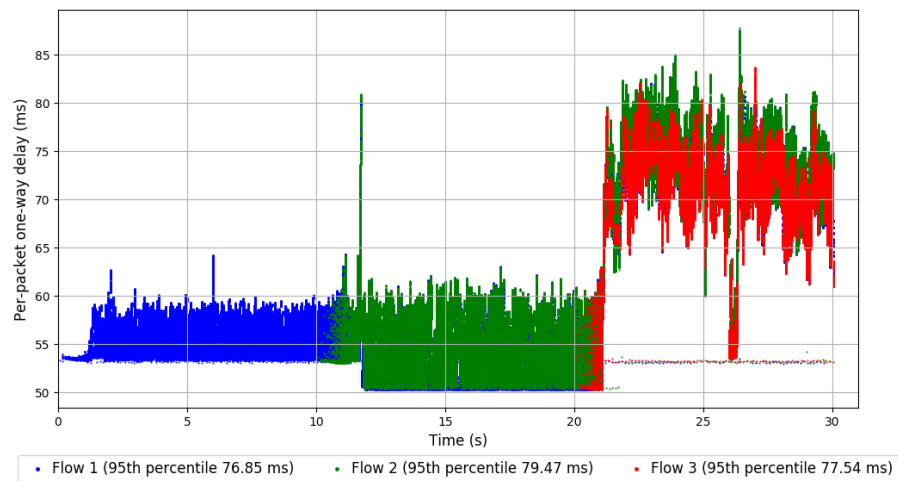
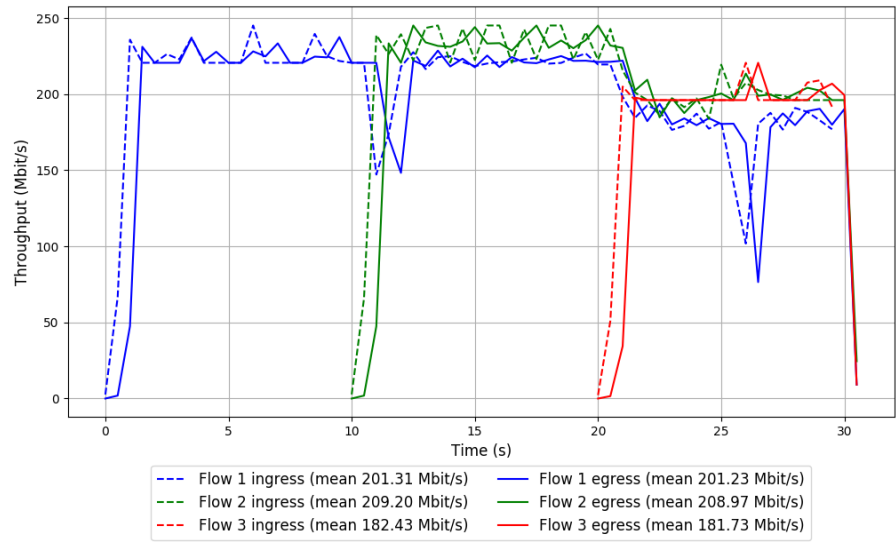


Run 7: Statistics of TCP BBR

Start at: 2018-07-26 20:54:19
End at: 2018-07-26 20:54:49
Local clock offset: 0.027 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-07-26 22:52:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 400.75 Mbit/s
95th percentile per-packet one-way delay: 78.300 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 201.23 Mbit/s
95th percentile per-packet one-way delay: 76.852 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 208.97 Mbit/s
95th percentile per-packet one-way delay: 79.475 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 181.73 Mbit/s
95th percentile per-packet one-way delay: 77.544 ms
Loss rate: 0.41%

Run 7: Report of TCP BBR — Data Link

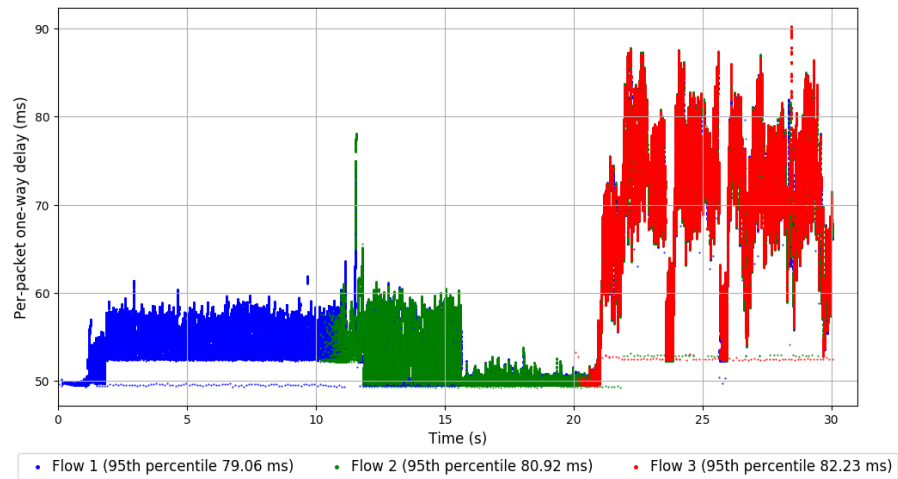
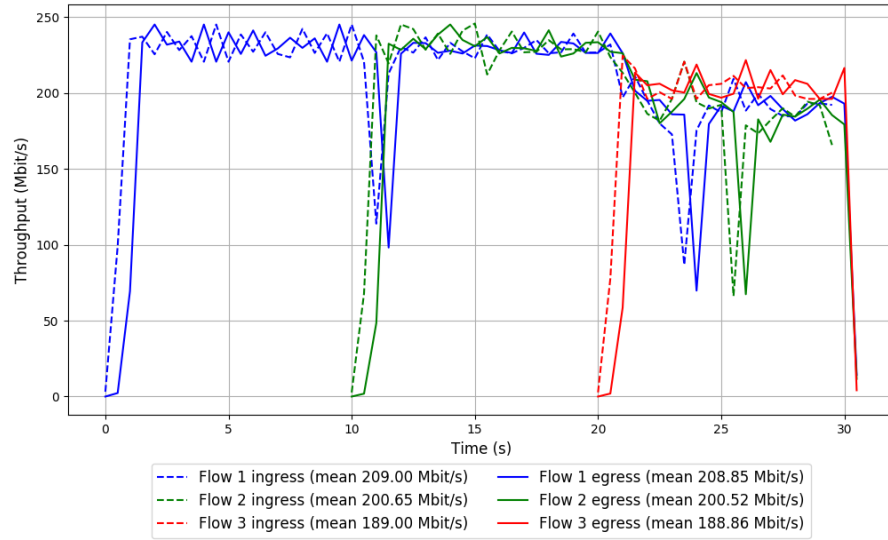


Run 8: Statistics of TCP BBR

Start at: 2018-07-26 21:19:08
End at: 2018-07-26 21:19:38
Local clock offset: -0.158 ms
Remote clock offset: -1.122 ms

Below is generated by plot.py at 2018-07-26 22:52:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 405.11 Mbit/s
95th percentile per-packet one-way delay: 80.559 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 208.85 Mbit/s
95th percentile per-packet one-way delay: 79.061 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 200.52 Mbit/s
95th percentile per-packet one-way delay: 80.925 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 188.86 Mbit/s
95th percentile per-packet one-way delay: 82.230 ms
Loss rate: 0.11%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-26 21:44:04

End at: 2018-07-26 21:44:34

Local clock offset: -0.067 ms

Remote clock offset: 1.187 ms

Below is generated by plot.py at 2018-07-26 23:00:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 398.00 Mbit/s

95th percentile per-packet one-way delay: 81.724 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 203.80 Mbit/s

95th percentile per-packet one-way delay: 79.980 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 198.66 Mbit/s

95th percentile per-packet one-way delay: 81.800 ms

Loss rate: 0.11%

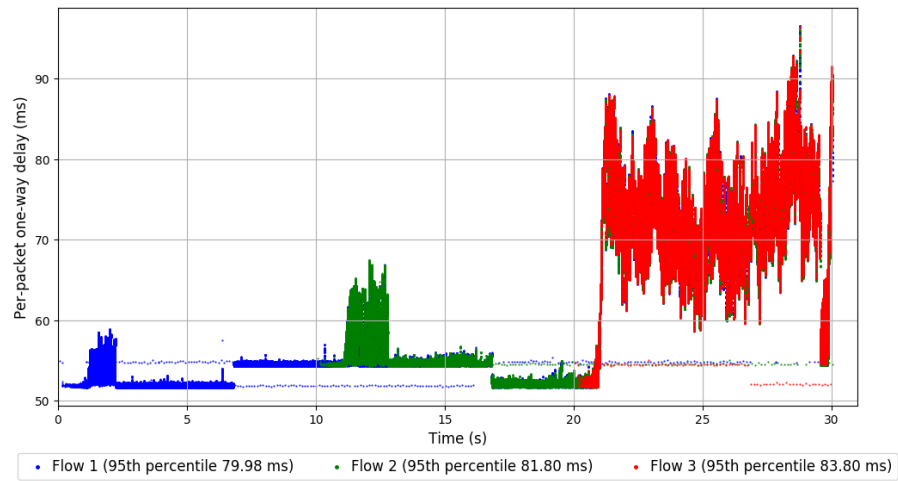
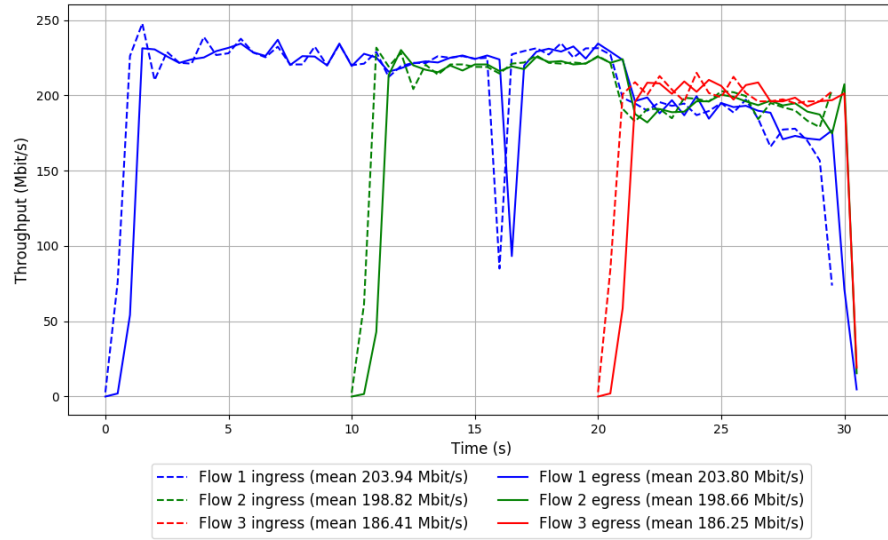
-- Flow 3:

Average throughput: 186.25 Mbit/s

95th percentile per-packet one-way delay: 83.795 ms

Loss rate: 0.18%

Run 9: Report of TCP BBR — Data Link

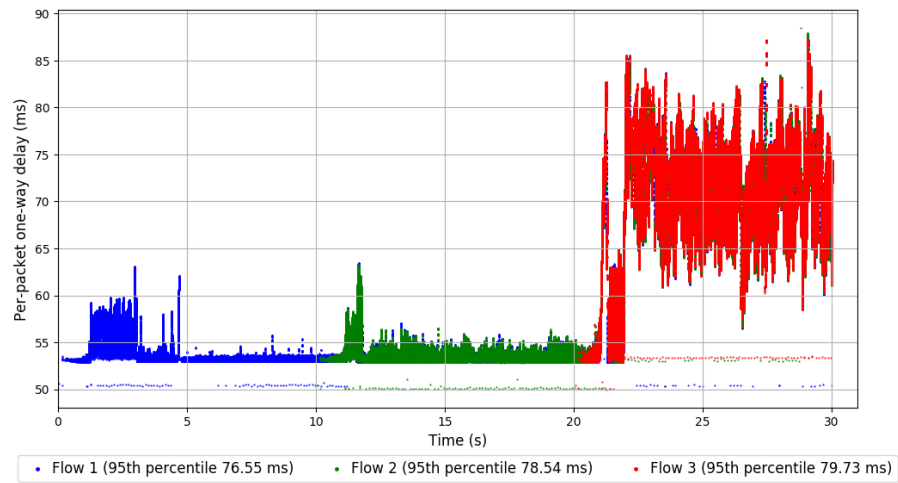
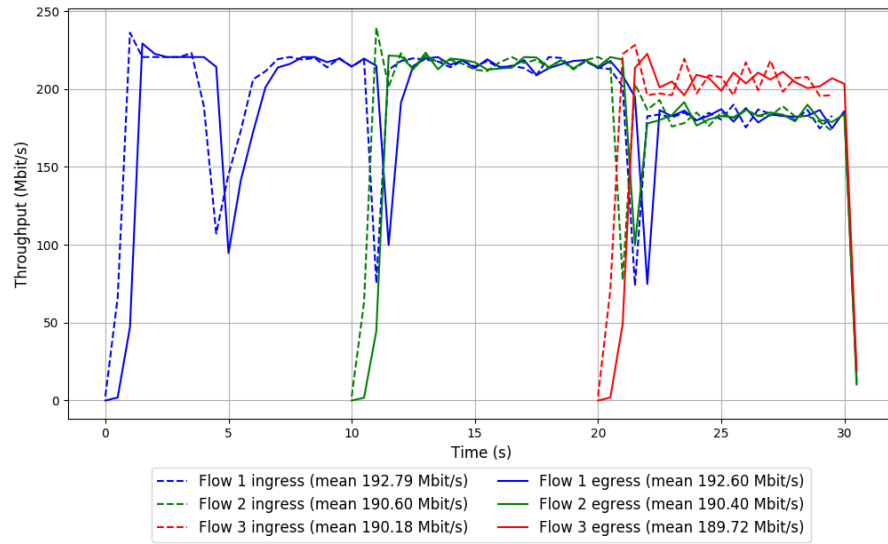


Run 10: Statistics of TCP BBR

Start at: 2018-07-26 22:08:59
End at: 2018-07-26 22:09:29
Local clock offset: 0.081 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-26 23:00:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 382.52 Mbit/s
95th percentile per-packet one-way delay: 78.130 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 192.60 Mbit/s
95th percentile per-packet one-way delay: 76.546 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 190.40 Mbit/s
95th percentile per-packet one-way delay: 78.539 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 189.72 Mbit/s
95th percentile per-packet one-way delay: 79.729 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-26 18:23:17

End at: 2018-07-26 18:23:47

Local clock offset: -0.016 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-26 23:00:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 181.74 Mbit/s

95th percentile per-packet one-way delay: 60.067 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 119.62 Mbit/s

95th percentile per-packet one-way delay: 58.161 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 44.76 Mbit/s

95th percentile per-packet one-way delay: 53.750 ms

Loss rate: 0.00%

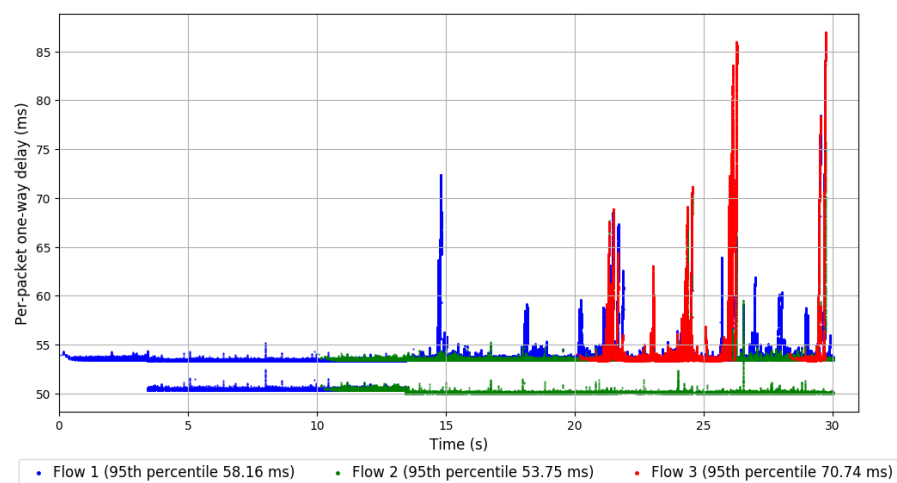
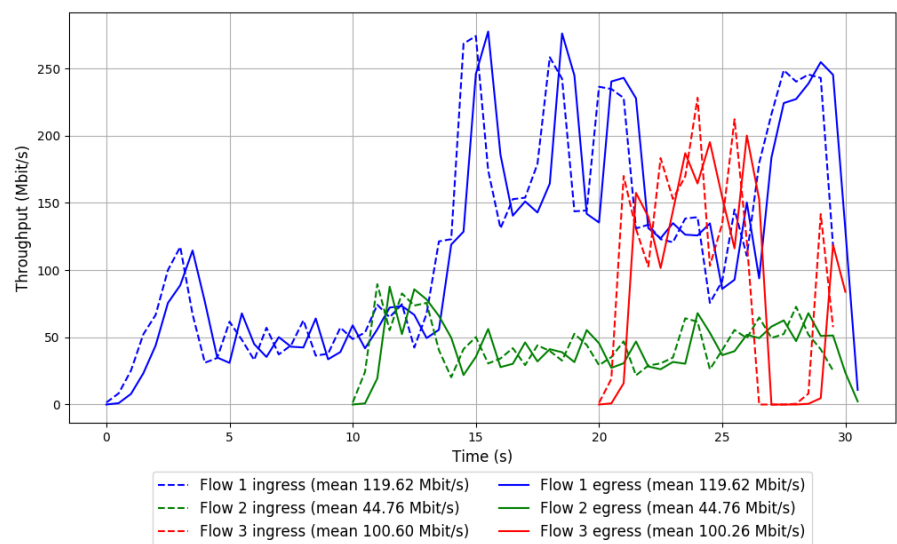
-- Flow 3:

Average throughput: 100.26 Mbit/s

95th percentile per-packet one-way delay: 70.738 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-26 18:47:56

End at: 2018-07-26 18:48:26

Local clock offset: -0.091 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-26 23:00:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 214.76 Mbit/s

95th percentile per-packet one-way delay: 55.441 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 146.74 Mbit/s

95th percentile per-packet one-way delay: 56.328 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 81.56 Mbit/s

95th percentile per-packet one-way delay: 54.510 ms

Loss rate: 0.00%

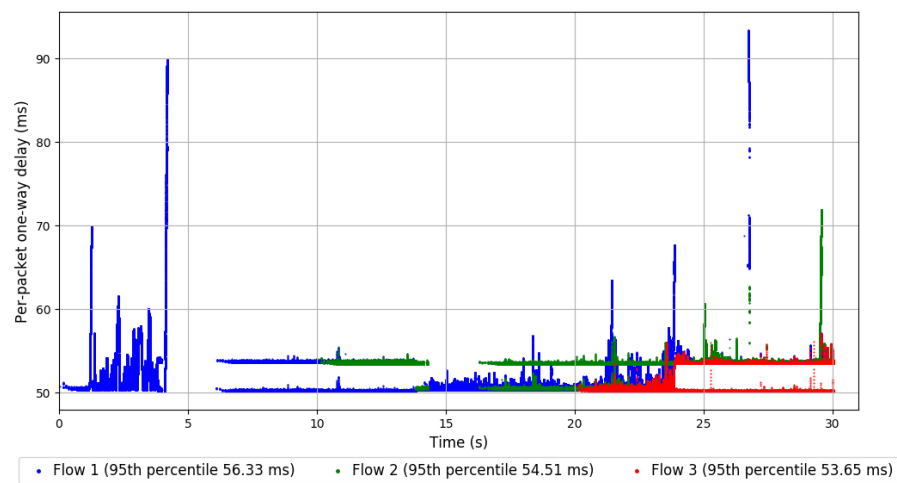
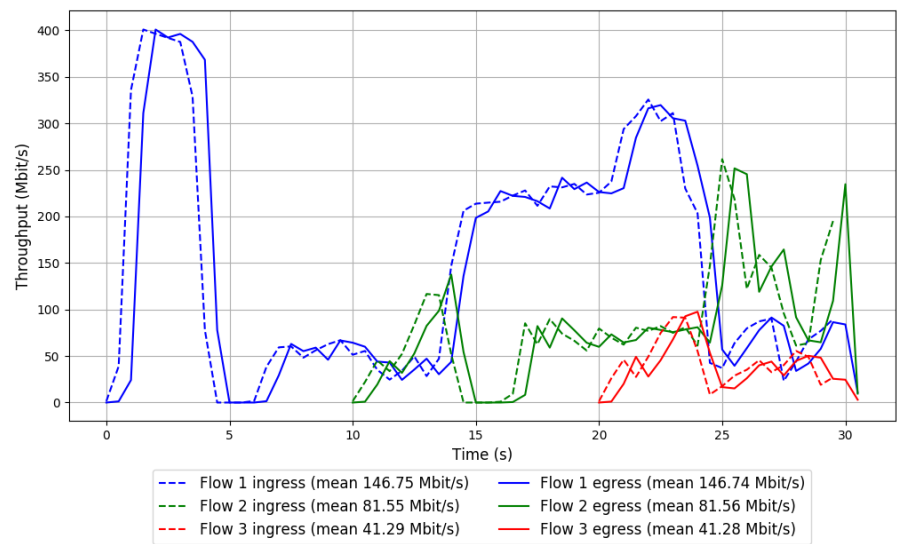
-- Flow 3:

Average throughput: 41.28 Mbit/s

95th percentile per-packet one-way delay: 53.649 ms

Loss rate: 0.03%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-26 19:13:09

End at: 2018-07-26 19:13:39

Local clock offset: -0.167 ms

Remote clock offset: 0.149 ms

Below is generated by plot.py at 2018-07-26 23:00:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 179.75 Mbit/s

95th percentile per-packet one-way delay: 56.231 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 98.66 Mbit/s

95th percentile per-packet one-way delay: 57.515 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 94.28 Mbit/s

95th percentile per-packet one-way delay: 55.734 ms

Loss rate: 0.04%

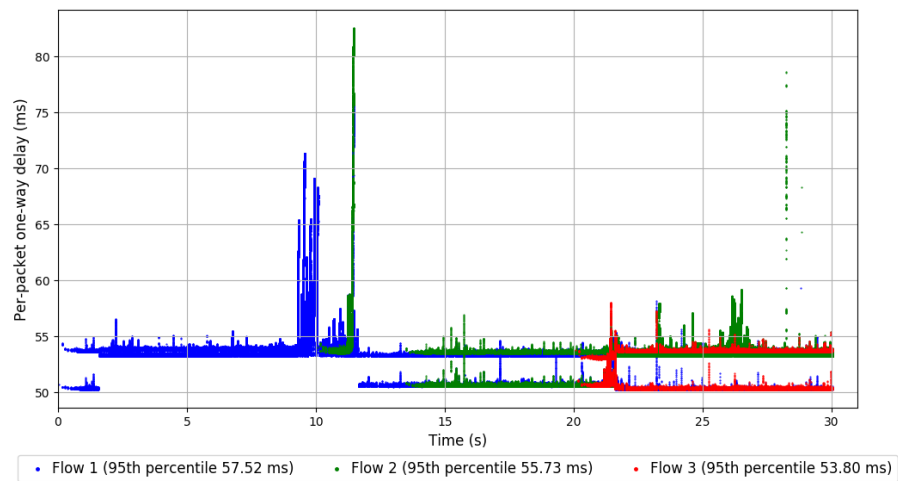
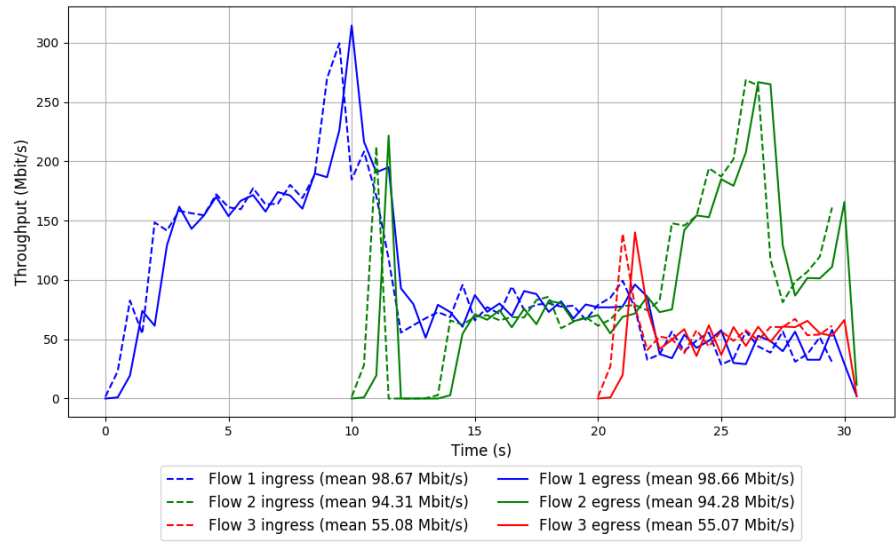
-- Flow 3:

Average throughput: 55.07 Mbit/s

95th percentile per-packet one-way delay: 53.801 ms

Loss rate: 0.02%

Run 3: Report of Copa — Data Link

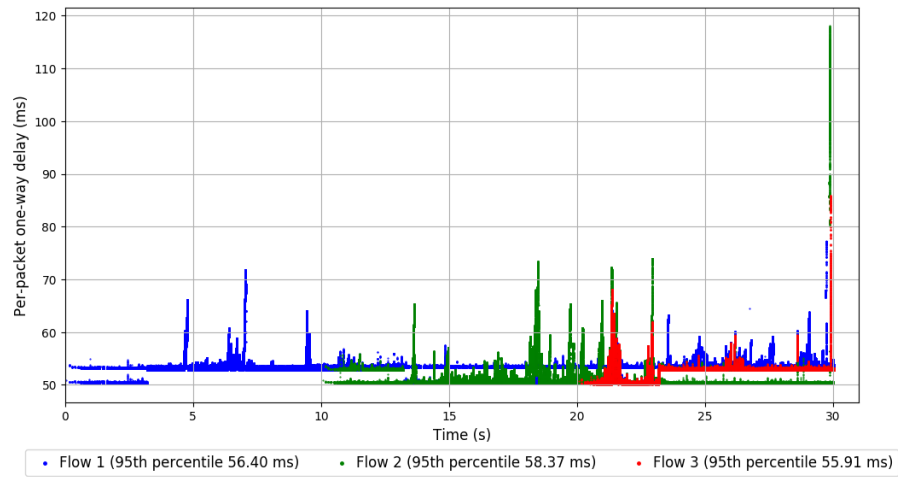
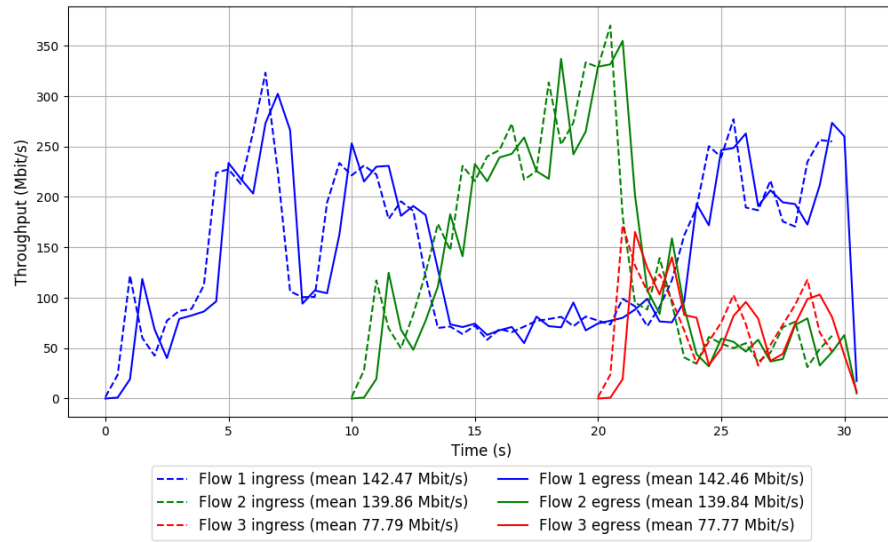


Run 4: Statistics of Copa

Start at: 2018-07-26 19:37:47
End at: 2018-07-26 19:38:17
Local clock offset: -0.122 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-26 23:02:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 261.32 Mbit/s
95th percentile per-packet one-way delay: 56.861 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 142.46 Mbit/s
95th percentile per-packet one-way delay: 56.395 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 139.84 Mbit/s
95th percentile per-packet one-way delay: 58.373 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 77.77 Mbit/s
95th percentile per-packet one-way delay: 55.911 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

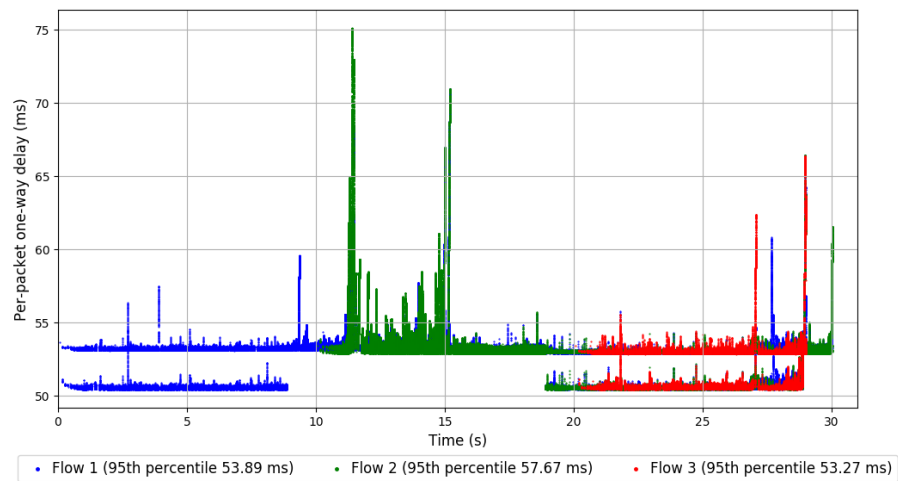
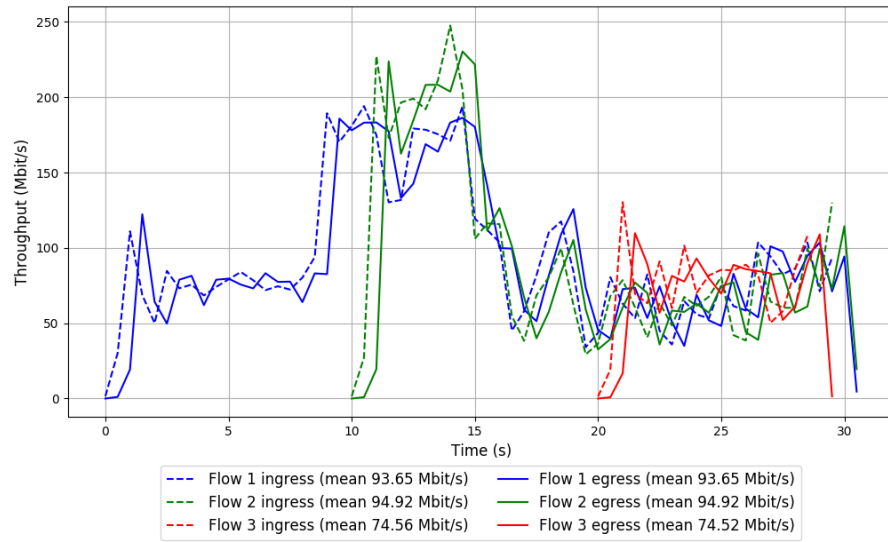


Run 5: Statistics of Copa

Start at: 2018-07-26 20:02:11
End at: 2018-07-26 20:02:41
Local clock offset: -0.093 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-26 23:02:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 179.07 Mbit/s
95th percentile per-packet one-way delay: 55.319 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.65 Mbit/s
95th percentile per-packet one-way delay: 53.891 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 57.673 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 74.52 Mbit/s
95th percentile per-packet one-way delay: 53.269 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-26 20:26:42

End at: 2018-07-26 20:27:12

Local clock offset: 0.095 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-07-26 23:03:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 292.43 Mbit/s

95th percentile per-packet one-way delay: 61.128 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 176.52 Mbit/s

95th percentile per-packet one-way delay: 62.427 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 130.87 Mbit/s

95th percentile per-packet one-way delay: 59.789 ms

Loss rate: 0.00%

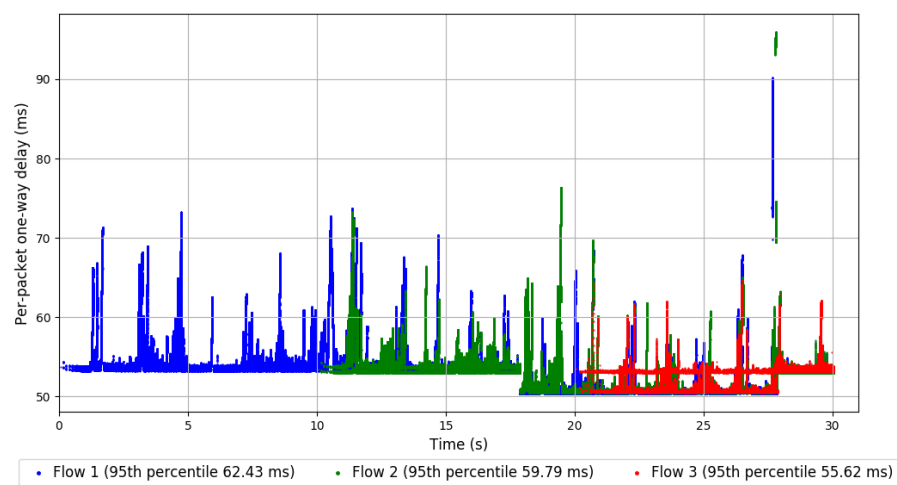
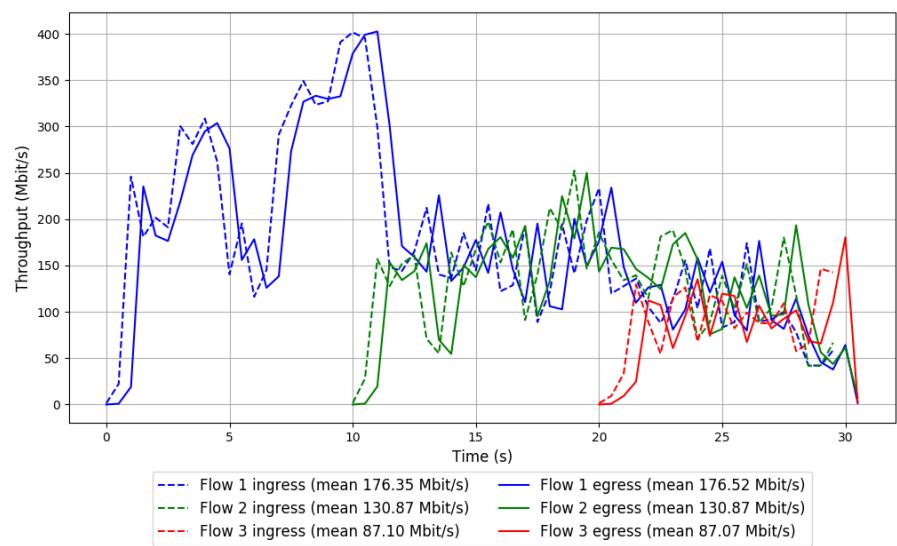
-- Flow 3:

Average throughput: 87.07 Mbit/s

95th percentile per-packet one-way delay: 55.625 ms

Loss rate: 0.07%

Run 6: Report of Copa — Data Link

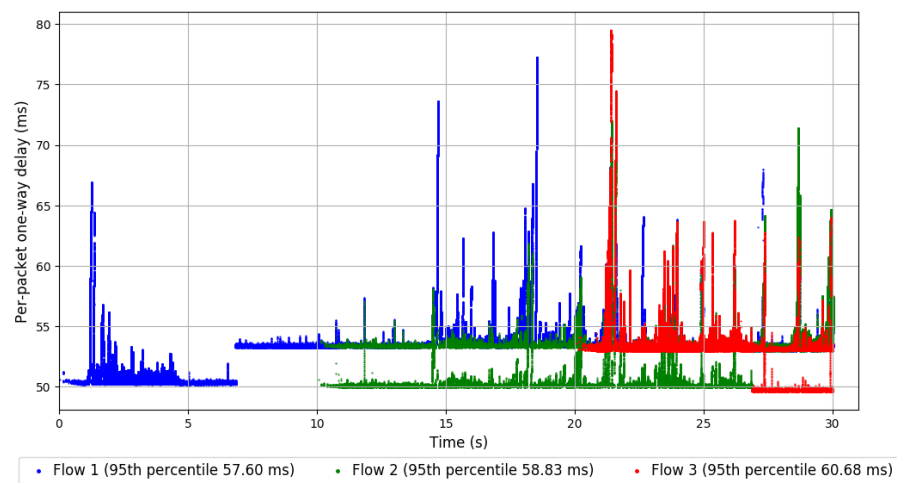
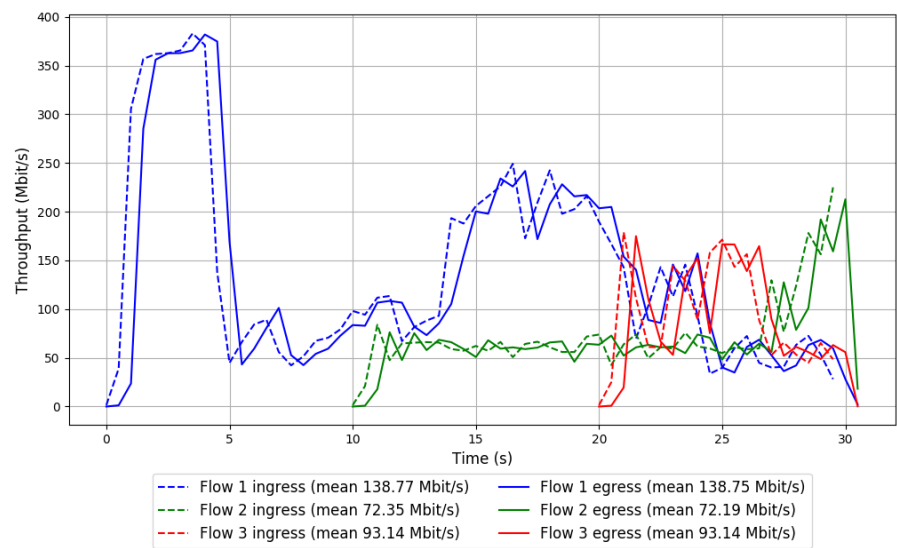


Run 7: Statistics of Copa

Start at: 2018-07-26 20:51:43
End at: 2018-07-26 20:52:13
Local clock offset: 0.053 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-07-26 23:06:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 217.69 Mbit/s
95th percentile per-packet one-way delay: 58.458 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 138.75 Mbit/s
95th percentile per-packet one-way delay: 57.603 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 72.19 Mbit/s
95th percentile per-packet one-way delay: 58.831 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 93.14 Mbit/s
95th percentile per-packet one-way delay: 60.683 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

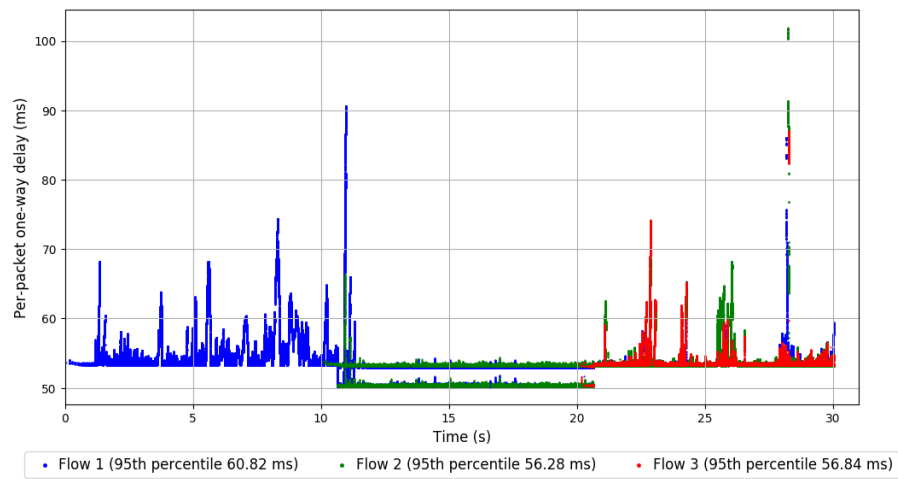
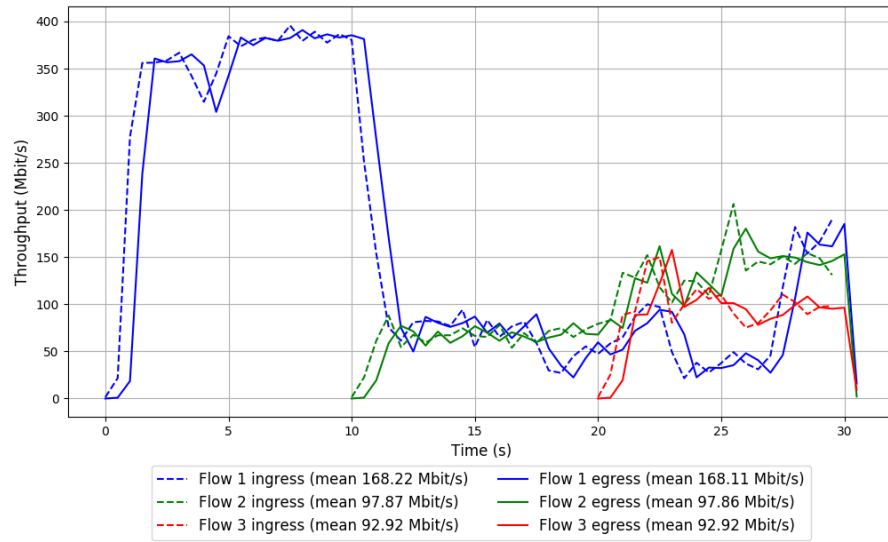


Run 8: Statistics of Copa

Start at: 2018-07-26 21:16:30
End at: 2018-07-26 21:17:00
Local clock offset: -0.019 ms
Remote clock offset: -0.236 ms

Below is generated by plot.py at 2018-07-26 23:09:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 264.16 Mbit/s
95th percentile per-packet one-way delay: 59.872 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 168.11 Mbit/s
95th percentile per-packet one-way delay: 60.823 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 97.86 Mbit/s
95th percentile per-packet one-way delay: 56.277 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 92.92 Mbit/s
95th percentile per-packet one-way delay: 56.840 ms
Loss rate: 0.06%

Run 8: Report of Copa — Data Link

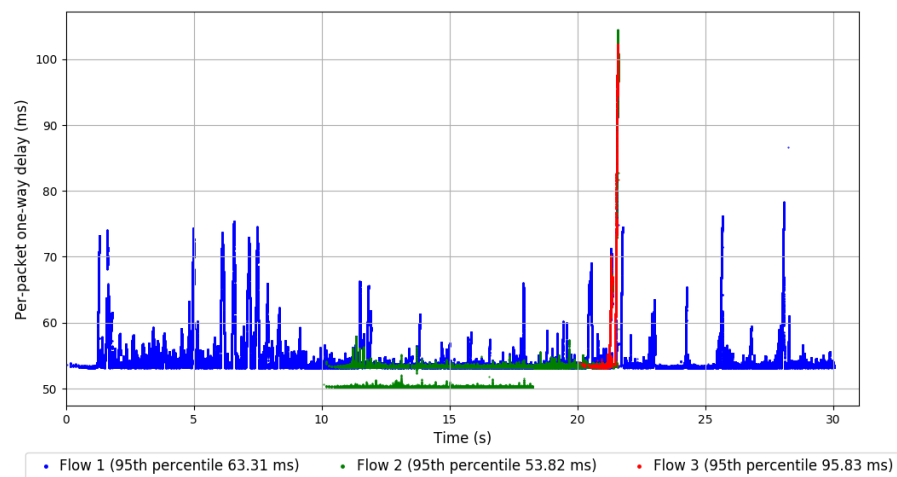
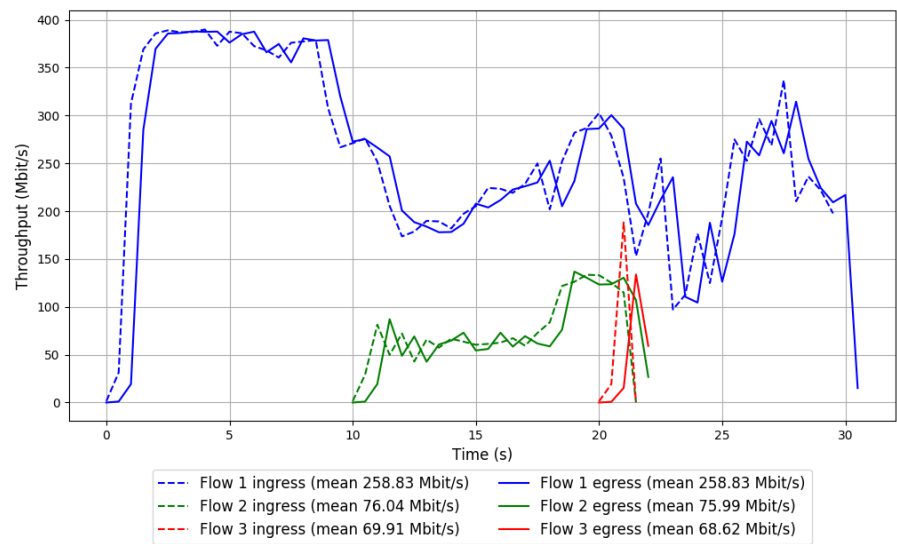


Run 9: Statistics of Copa

Start at: 2018-07-26 21:41:22
End at: 2018-07-26 21:41:52
Local clock offset: -0.161 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-26 23:10:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 291.55 Mbit/s
95th percentile per-packet one-way delay: 63.259 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 258.83 Mbit/s
95th percentile per-packet one-way delay: 63.312 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 75.99 Mbit/s
95th percentile per-packet one-way delay: 53.820 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.62 Mbit/s
95th percentile per-packet one-way delay: 95.832 ms
Loss rate: 0.02%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-26 22:06:28

End at: 2018-07-26 22:06:58

Local clock offset: -0.043 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-26 23:10:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 171.85 Mbit/s

95th percentile per-packet one-way delay: 63.892 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 106.23 Mbit/s

95th percentile per-packet one-way delay: 57.454 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 62.71 Mbit/s

95th percentile per-packet one-way delay: 70.198 ms

Loss rate: 0.02%

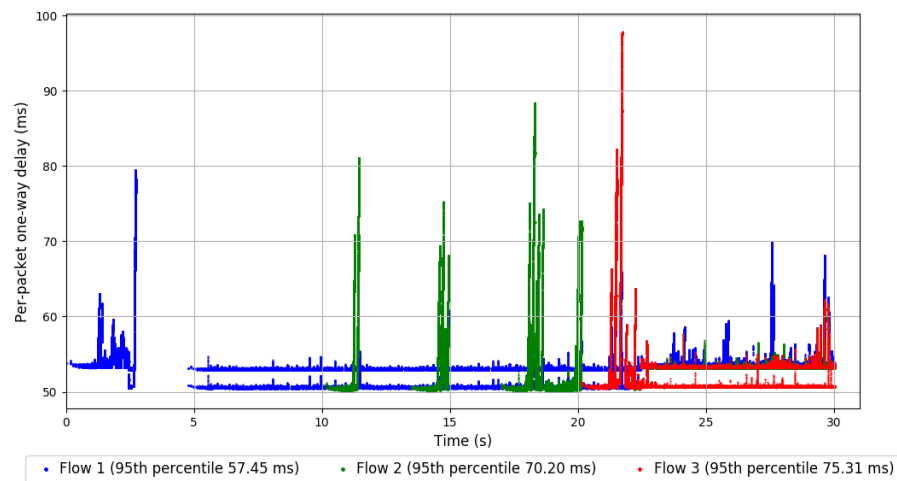
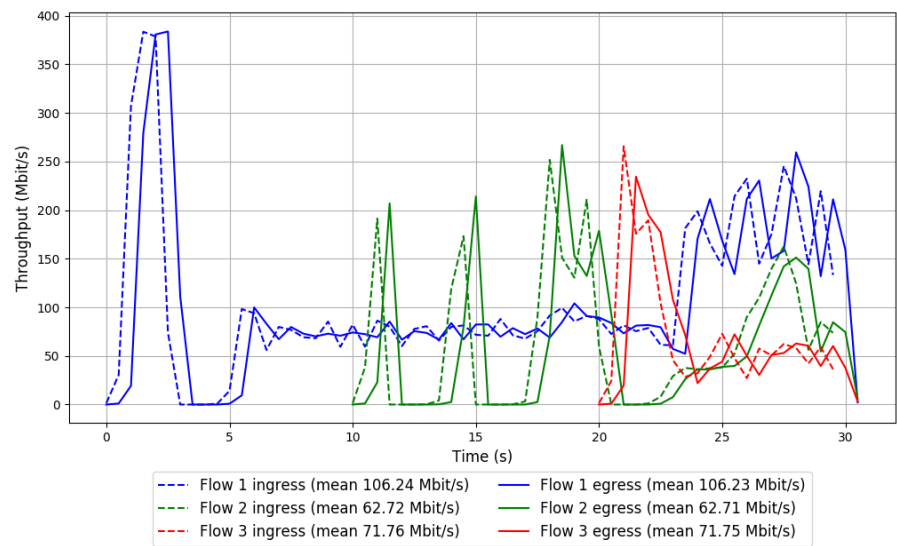
-- Flow 3:

Average throughput: 71.75 Mbit/s

95th percentile per-packet one-way delay: 75.314 ms

Loss rate: 0.02%

Run 10: Report of Copa — Data Link

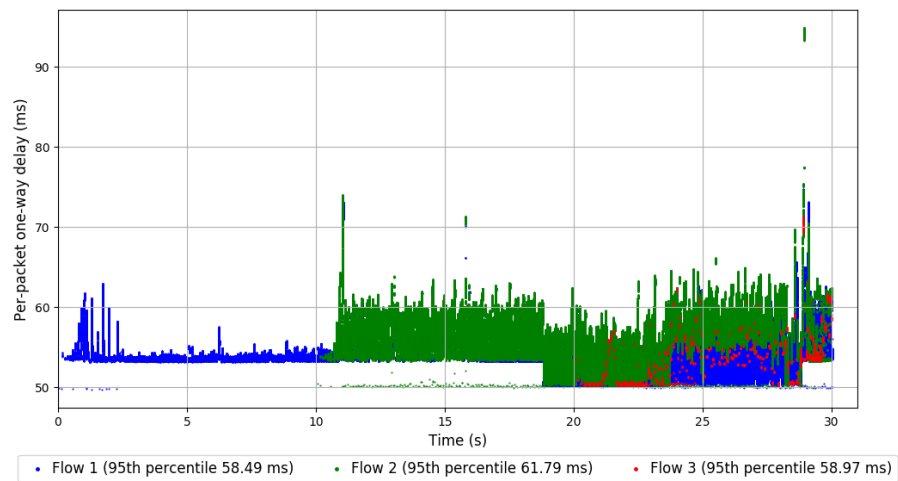
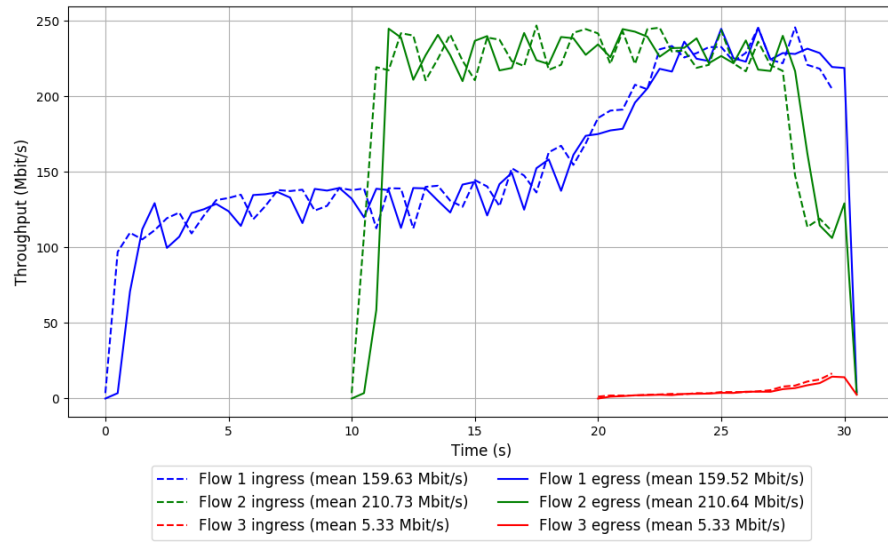


Run 1: Statistics of TCP Cubic

Start at: 2018-07-26 18:37:11
End at: 2018-07-26 18:37:41
Local clock offset: -0.154 ms
Remote clock offset: -0.334 ms

Below is generated by plot.py at 2018-07-26 23:10:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 301.36 Mbit/s
95th percentile per-packet one-way delay: 60.953 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 159.52 Mbit/s
95th percentile per-packet one-way delay: 58.491 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 210.64 Mbit/s
95th percentile per-packet one-way delay: 61.789 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.33 Mbit/s
95th percentile per-packet one-way delay: 58.974 ms
Loss rate: 0.02%

Run 1: Report of TCP Cubic — Data Link

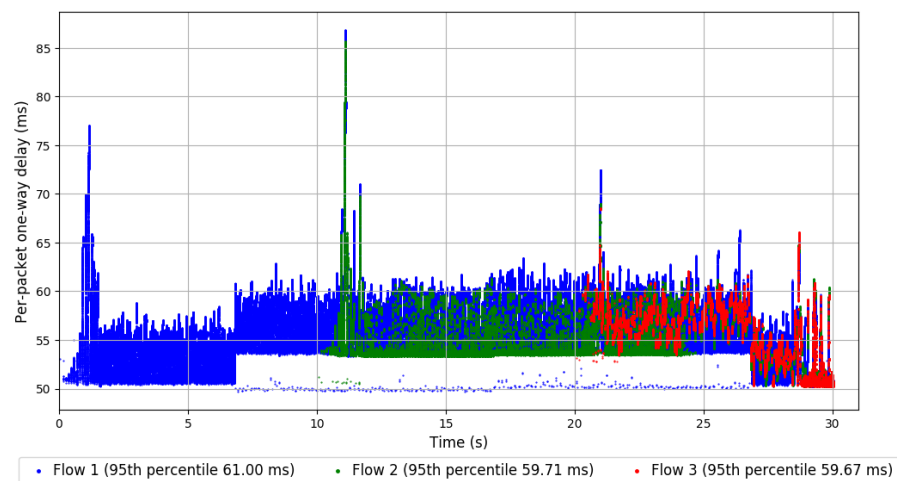
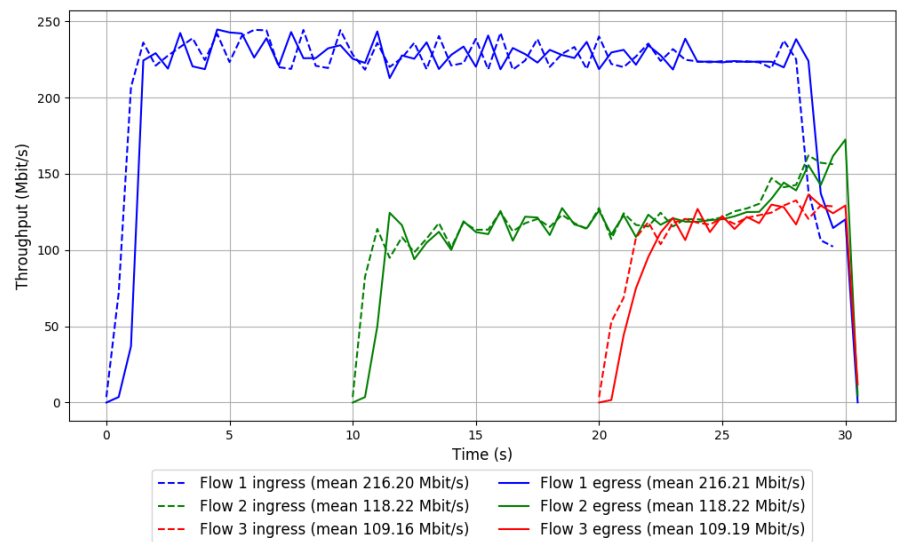


Run 2: Statistics of TCP Cubic

Start at: 2018-07-26 19:02:03
End at: 2018-07-26 19:02:33
Local clock offset: -0.155 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-07-26 23:10:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 331.19 Mbit/s
95th percentile per-packet one-way delay: 60.737 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.21 Mbit/s
95th percentile per-packet one-way delay: 61.000 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 118.22 Mbit/s
95th percentile per-packet one-way delay: 59.712 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 109.19 Mbit/s
95th percentile per-packet one-way delay: 59.672 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

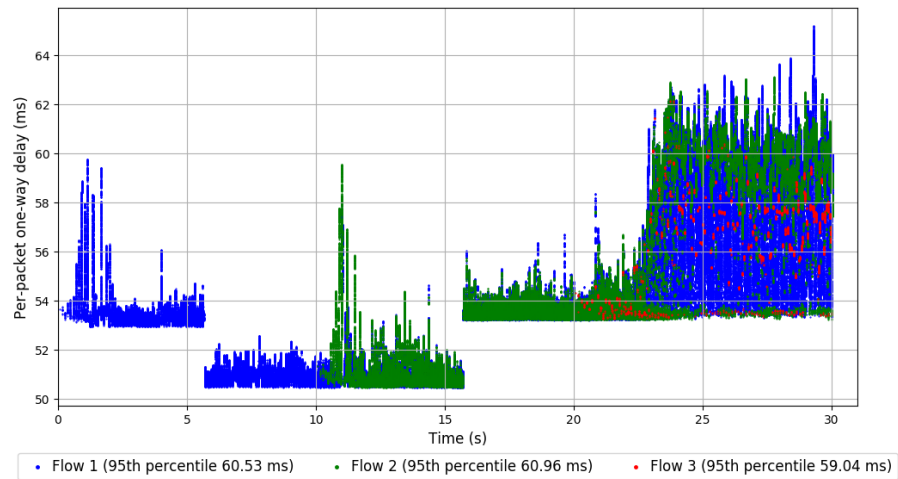
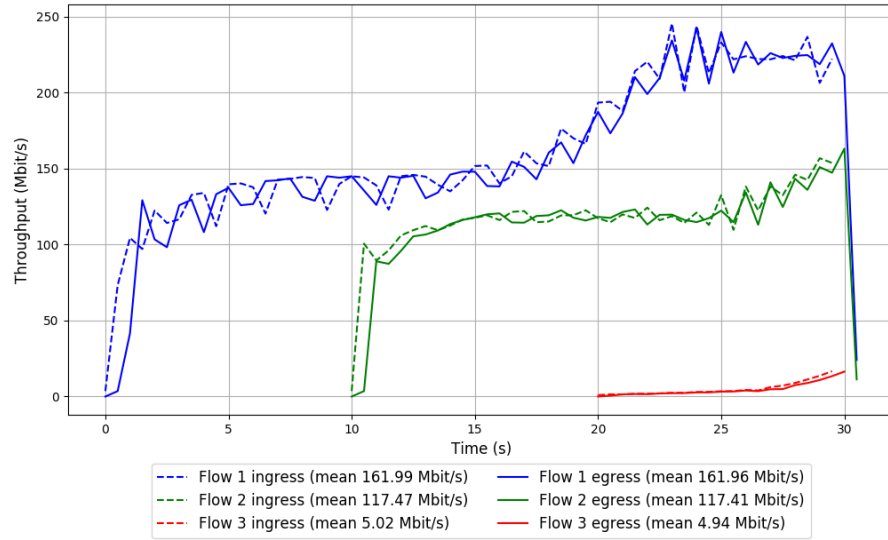


Run 3: Statistics of TCP Cubic

Start at: 2018-07-26 19:27:05
End at: 2018-07-26 19:27:35
Local clock offset: -0.255 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-07-26 23:10:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 241.79 Mbit/s
95th percentile per-packet one-way delay: 60.739 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 161.96 Mbit/s
95th percentile per-packet one-way delay: 60.530 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 117.41 Mbit/s
95th percentile per-packet one-way delay: 60.959 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 4.94 Mbit/s
95th percentile per-packet one-way delay: 59.039 ms
Loss rate: 2.04%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-26 19:51:41

End at: 2018-07-26 19:52:11

Local clock offset: 0.012 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-26 23:10:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 284.81 Mbit/s

95th percentile per-packet one-way delay: 60.684 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 168.01 Mbit/s

95th percentile per-packet one-way delay: 59.897 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 112.54 Mbit/s

95th percentile per-packet one-way delay: 59.796 ms

Loss rate: 0.00%

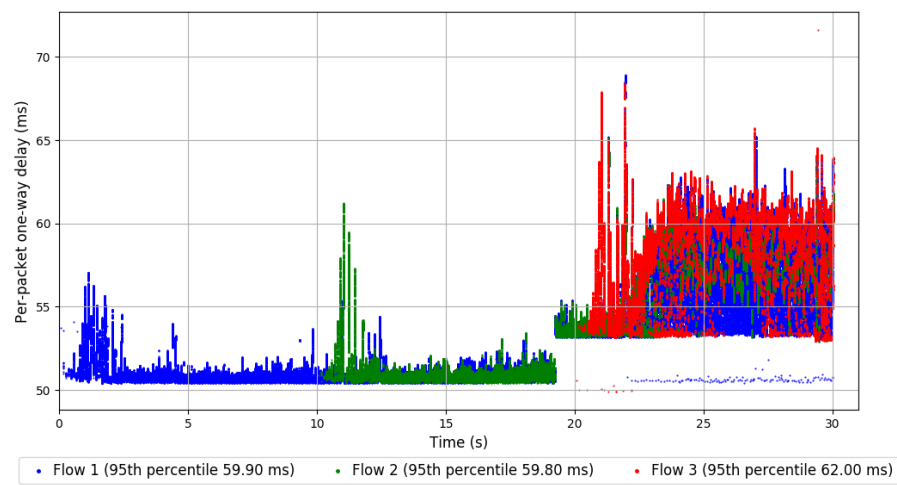
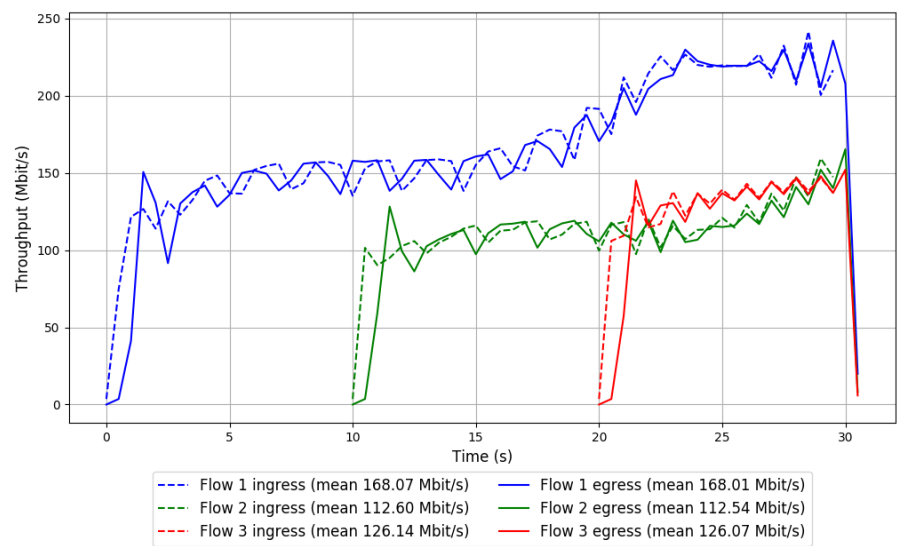
-- Flow 3:

Average throughput: 126.07 Mbit/s

95th percentile per-packet one-way delay: 61.998 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-26 20:16:12

End at: 2018-07-26 20:16:42

Local clock offset: -0.08 ms

Remote clock offset: 1.404 ms

Below is generated by plot.py at 2018-07-26 23:10:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 207.51 Mbit/s

95th percentile per-packet one-way delay: 57.993 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 171.52 Mbit/s

95th percentile per-packet one-way delay: 58.270 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 51.33 Mbit/s

95th percentile per-packet one-way delay: 55.105 ms

Loss rate: 0.00%

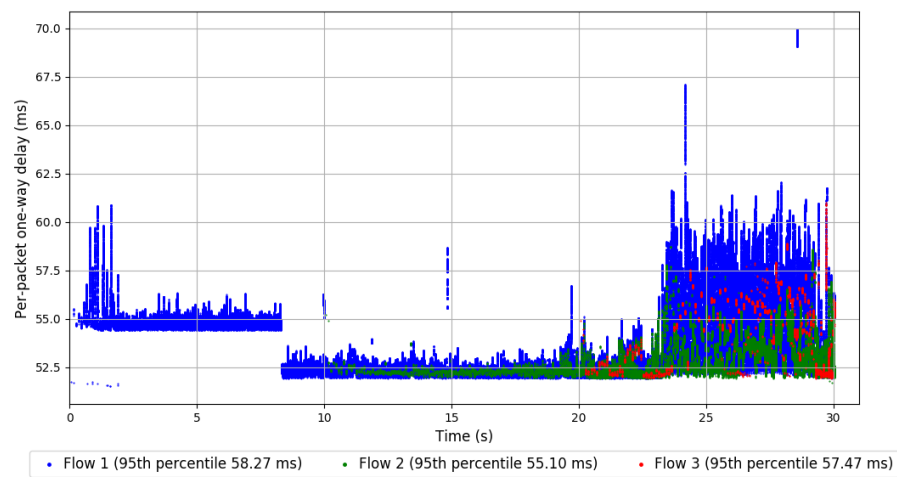
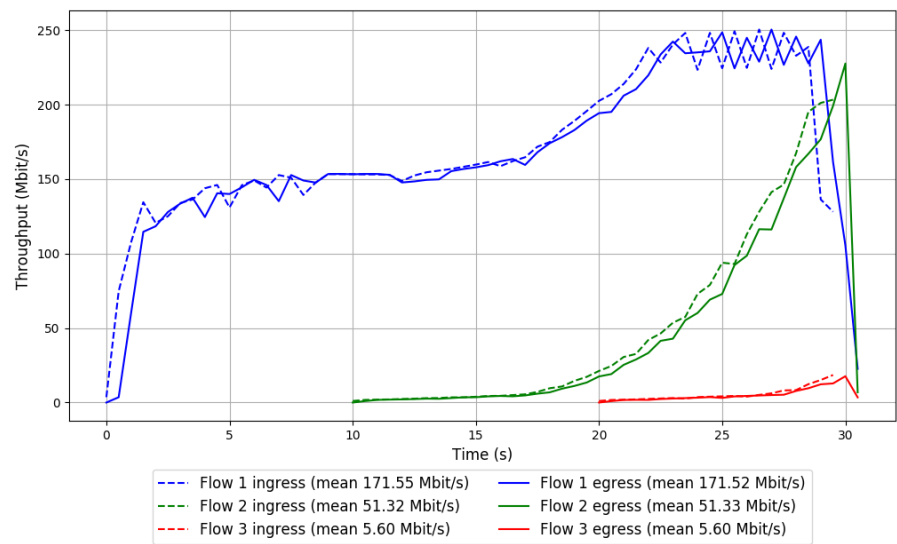
-- Flow 3:

Average throughput: 5.60 Mbit/s

95th percentile per-packet one-way delay: 57.468 ms

Loss rate: 0.09%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-26 20:40:55

End at: 2018-07-26 20:41:25

Local clock offset: 0.003 ms

Remote clock offset: 0.186 ms

Below is generated by plot.py at 2018-07-26 23:12:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 264.27 Mbit/s

95th percentile per-packet one-way delay: 58.304 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 167.45 Mbit/s

95th percentile per-packet one-way delay: 57.604 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 142.77 Mbit/s

95th percentile per-packet one-way delay: 58.916 ms

Loss rate: 0.17%

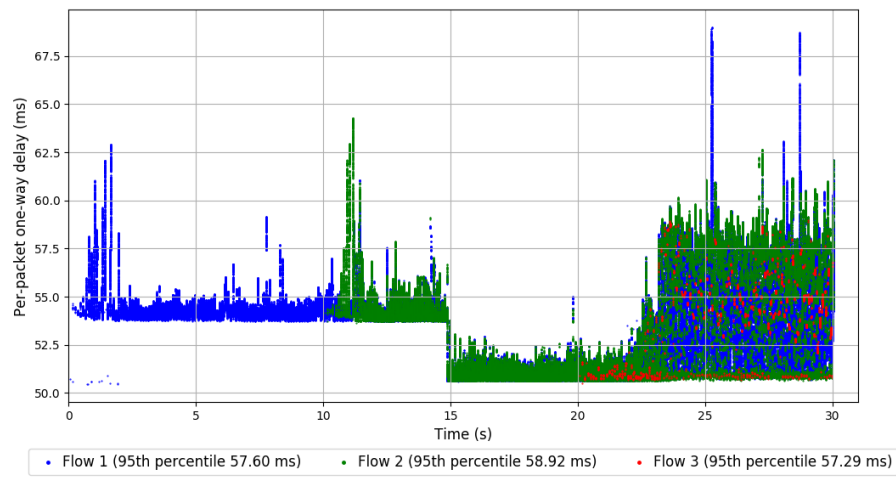
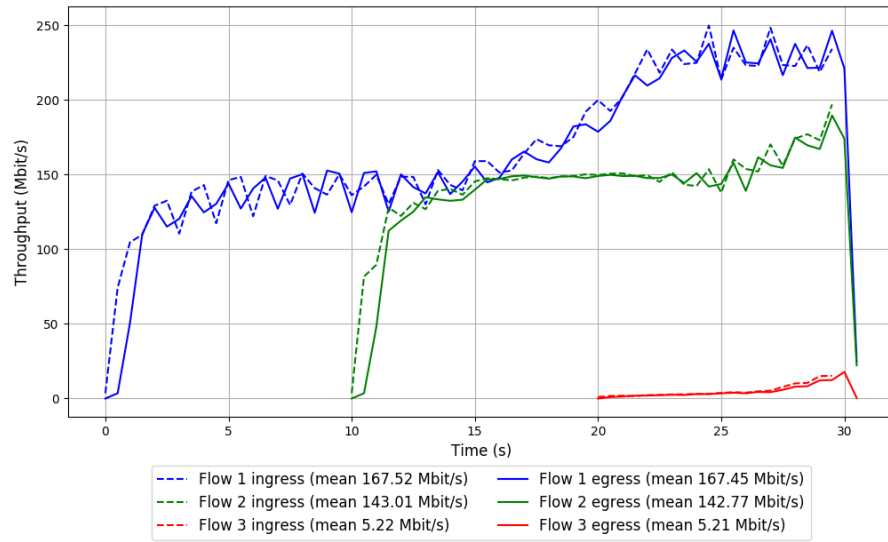
-- Flow 3:

Average throughput: 5.21 Mbit/s

95th percentile per-packet one-way delay: 57.286 ms

Loss rate: 0.07%

Run 6: Report of TCP Cubic — Data Link

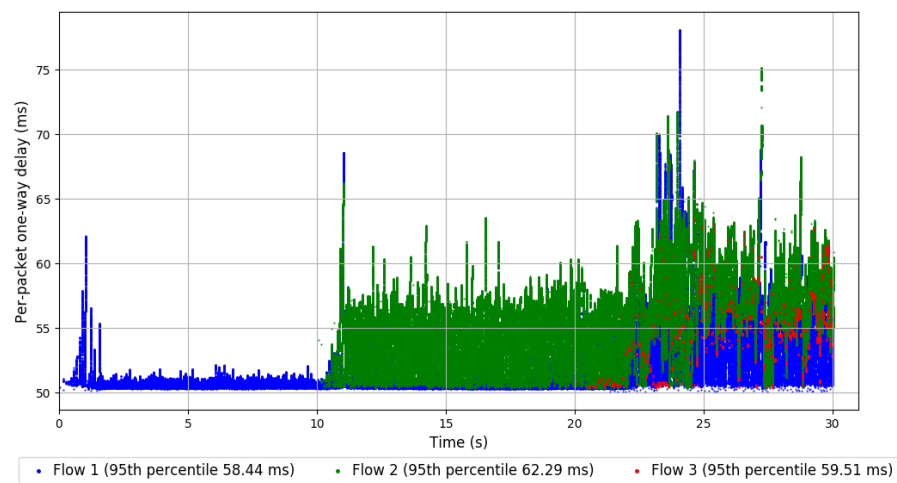
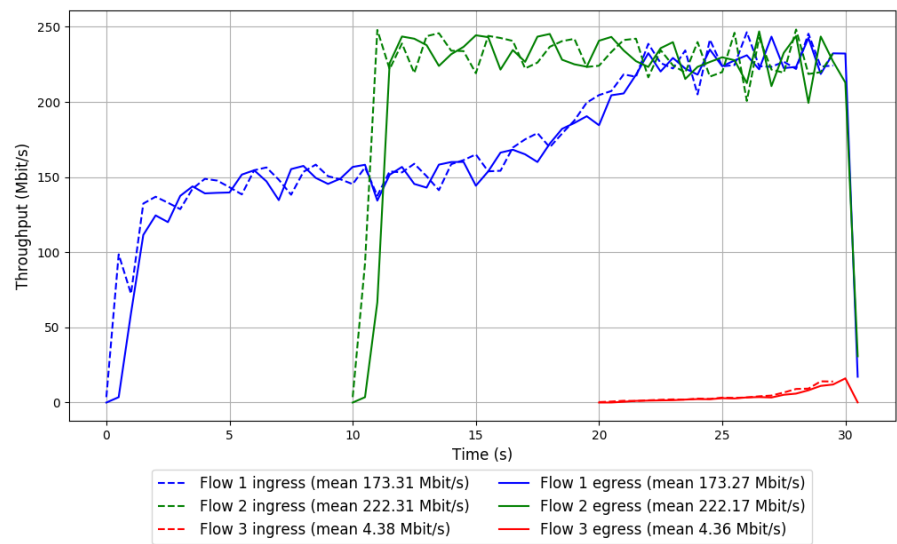


Run 7: Statistics of TCP Cubic

Start at: 2018-07-26 21:05:48
End at: 2018-07-26 21:06:18
Local clock offset: 0.099 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-26 23:13:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 322.55 Mbit/s
95th percentile per-packet one-way delay: 61.310 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 173.27 Mbit/s
95th percentile per-packet one-way delay: 58.443 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 222.17 Mbit/s
95th percentile per-packet one-way delay: 62.286 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 59.510 ms
Loss rate: 0.28%

Run 7: Report of TCP Cubic — Data Link

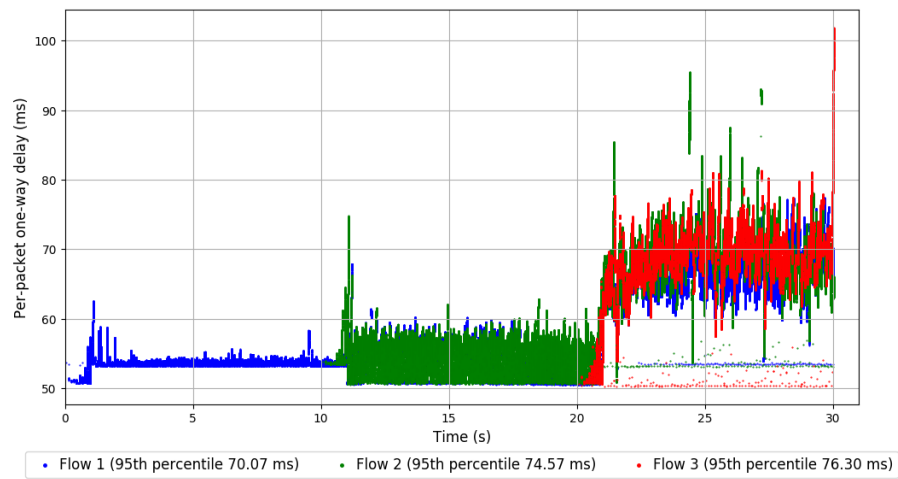
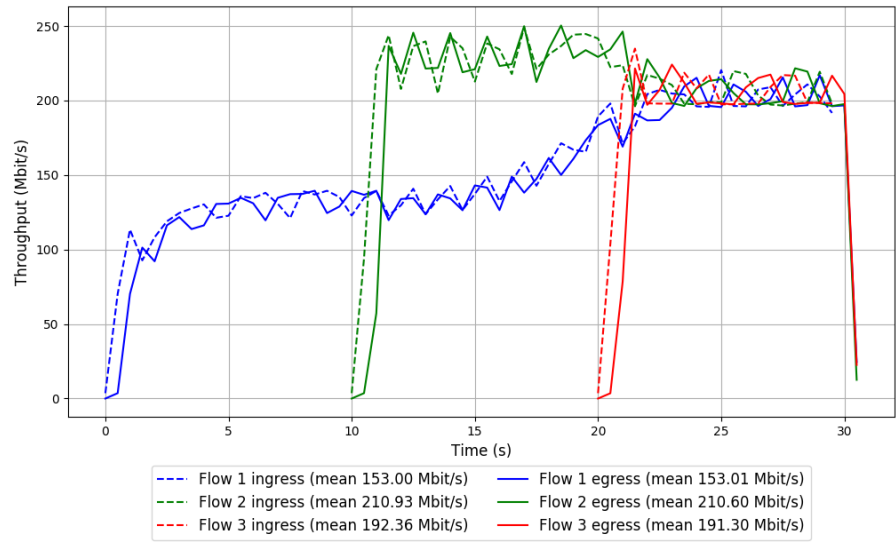


Run 8: Statistics of TCP Cubic

Start at: 2018-07-26 21:30:29
End at: 2018-07-26 21:30:59
Local clock offset: -0.089 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-26 23:14:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 356.85 Mbit/s
95th percentile per-packet one-way delay: 73.941 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 153.01 Mbit/s
95th percentile per-packet one-way delay: 70.071 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 210.60 Mbit/s
95th percentile per-packet one-way delay: 74.572 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 191.30 Mbit/s
95th percentile per-packet one-way delay: 76.298 ms
Loss rate: 0.05%

Run 8: Report of TCP Cubic — Data Link

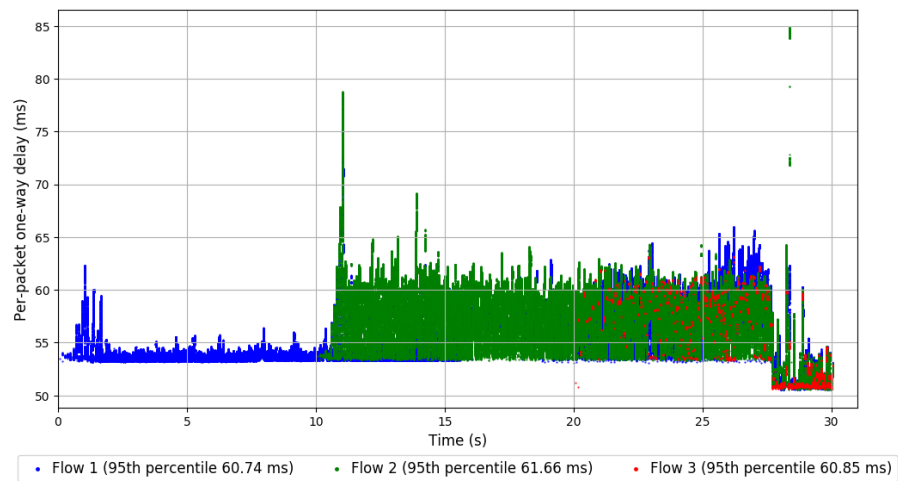
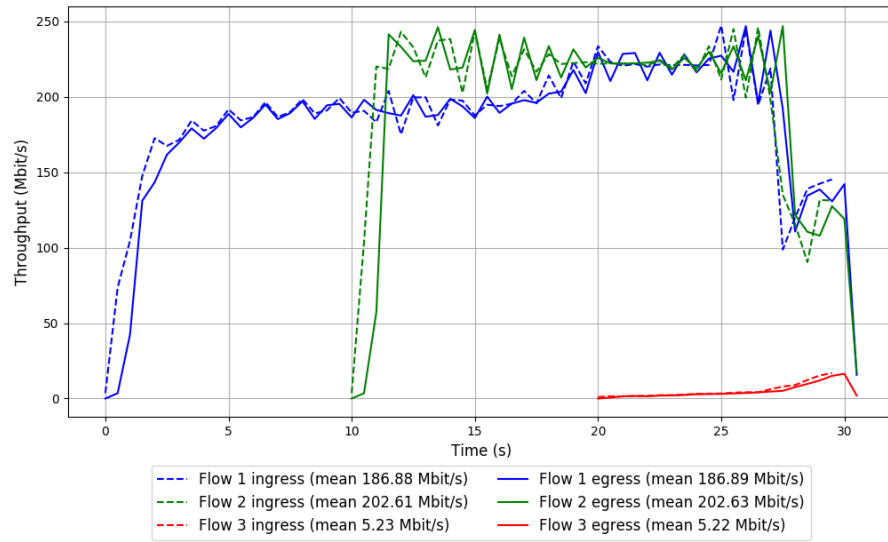


Run 9: Statistics of TCP Cubic

Start at: 2018-07-26 21:55:33
End at: 2018-07-26 21:56:03
Local clock offset: -0.036 ms
Remote clock offset: 0.129 ms

Below is generated by plot.py at 2018-07-26 23:14:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 323.57 Mbit/s
95th percentile per-packet one-way delay: 61.322 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 186.89 Mbit/s
95th percentile per-packet one-way delay: 60.736 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 202.63 Mbit/s
95th percentile per-packet one-way delay: 61.656 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 60.854 ms
Loss rate: 0.12%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-26 22:20:26

End at: 2018-07-26 22:20:56

Local clock offset: -0.061 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-26 23:15:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 319.66 Mbit/s

95th percentile per-packet one-way delay: 61.891 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 145.13 Mbit/s

95th percentile per-packet one-way delay: 61.496 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 161.03 Mbit/s

95th percentile per-packet one-way delay: 60.778 ms

Loss rate: 0.21%

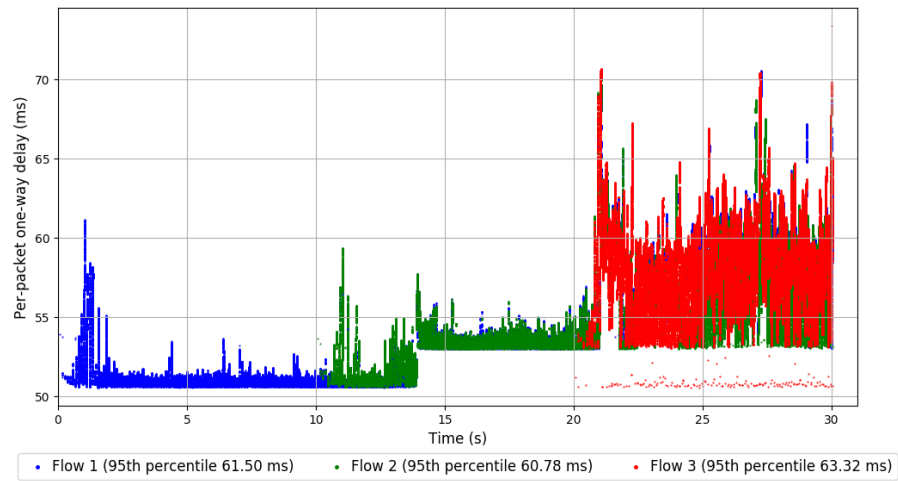
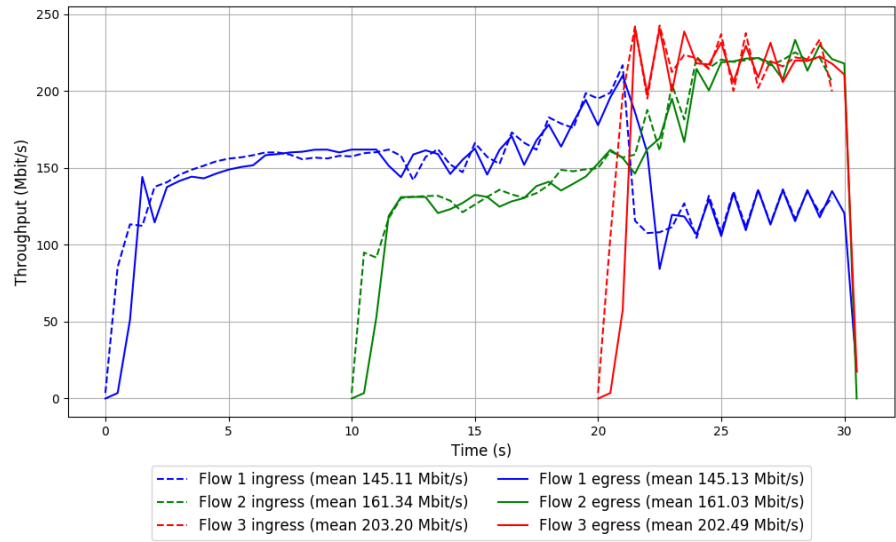
-- Flow 3:

Average throughput: 202.49 Mbit/s

95th percentile per-packet one-way delay: 63.317 ms

Loss rate: 0.25%

Run 10: Report of TCP Cubic — Data Link

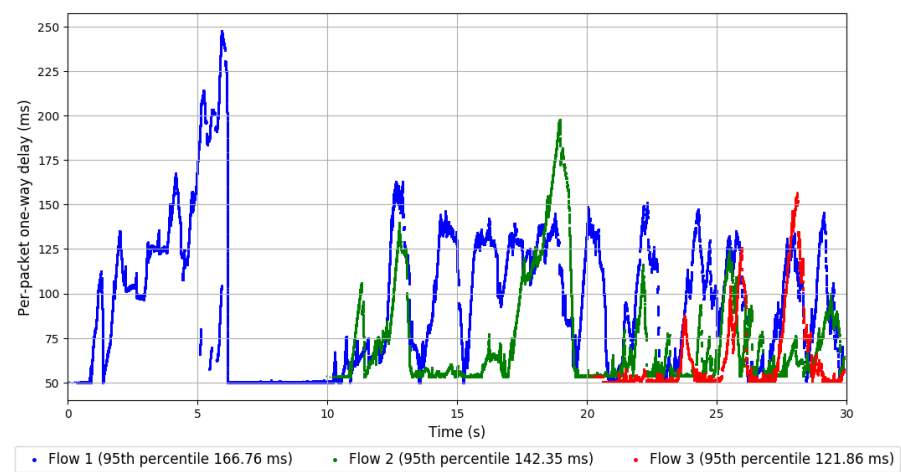
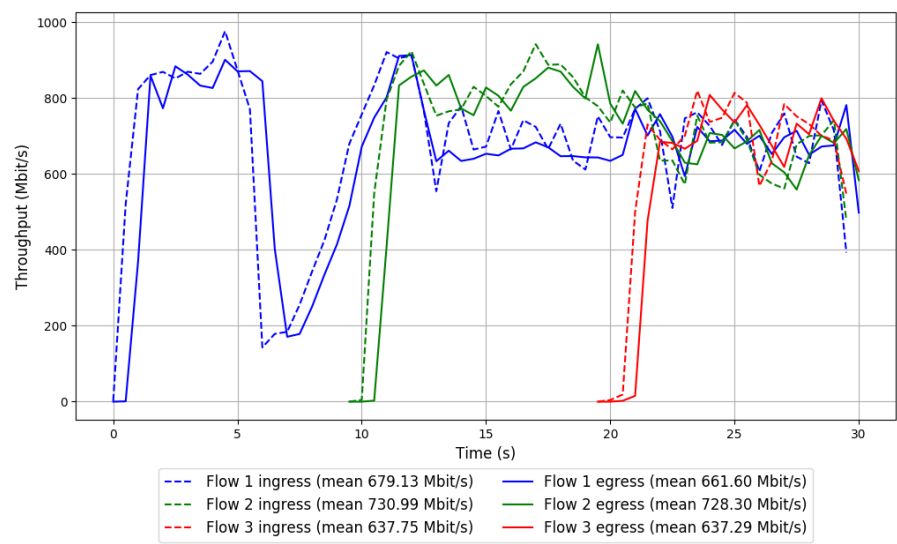


Run 1: Statistics of FillP

Start at: 2018-07-26 18:34:00
End at: 2018-07-26 18:34:30
Local clock offset: -0.161 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-07-26 23:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 1359.03 Mbit/s
95th percentile per-packet one-way delay: 153.081 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 661.60 Mbit/s
95th percentile per-packet one-way delay: 166.765 ms
Loss rate: 2.57%
-- Flow 2:
Average throughput: 728.30 Mbit/s
95th percentile per-packet one-way delay: 142.353 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 637.29 Mbit/s
95th percentile per-packet one-way delay: 121.855 ms
Loss rate: 0.09%

Run 1: Report of FillP — Data Link

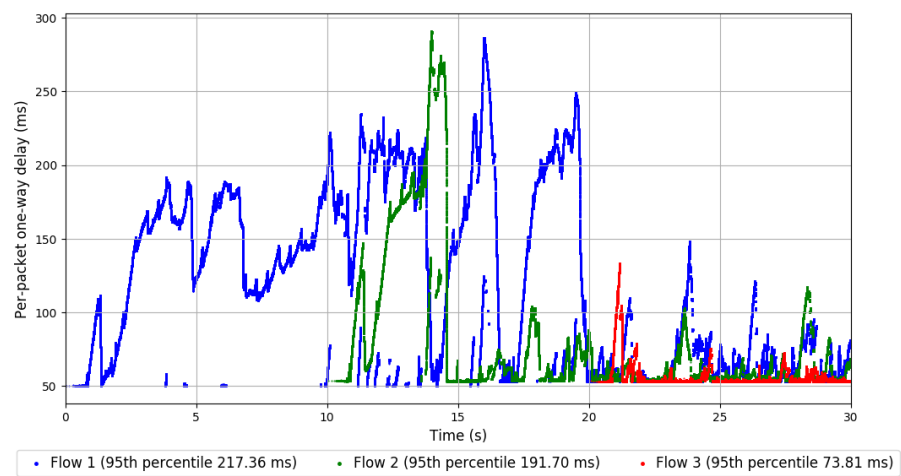
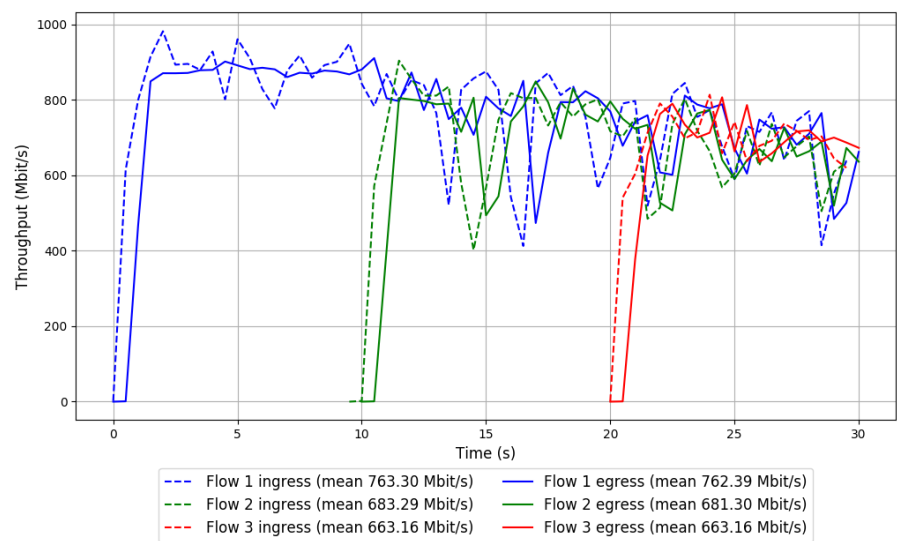


Run 2: Statistics of FillP

Start at: 2018-07-26 18:58:44
End at: 2018-07-26 18:59:14
Local clock offset: -0.043 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-26 23:47:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 1435.69 Mbit/s
95th percentile per-packet one-way delay: 211.357 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 762.39 Mbit/s
95th percentile per-packet one-way delay: 217.359 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 681.30 Mbit/s
95th percentile per-packet one-way delay: 191.704 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 663.16 Mbit/s
95th percentile per-packet one-way delay: 73.808 ms
Loss rate: 0.02%

Run 2: Report of FillP — Data Link

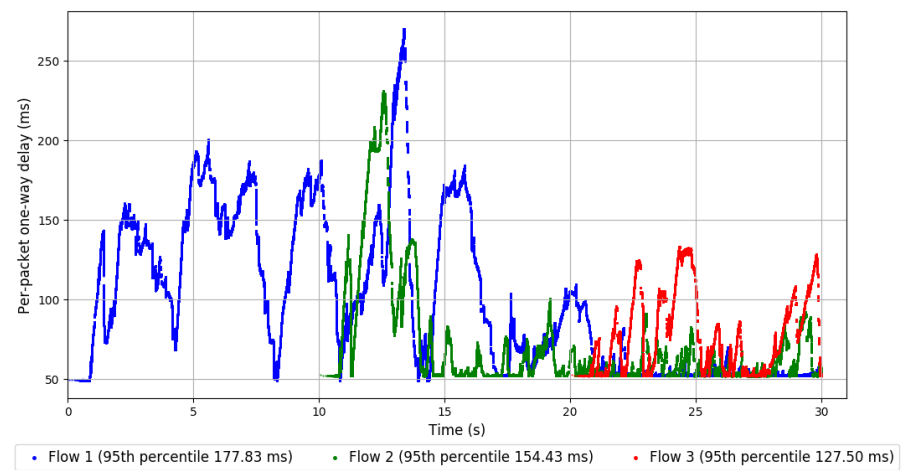
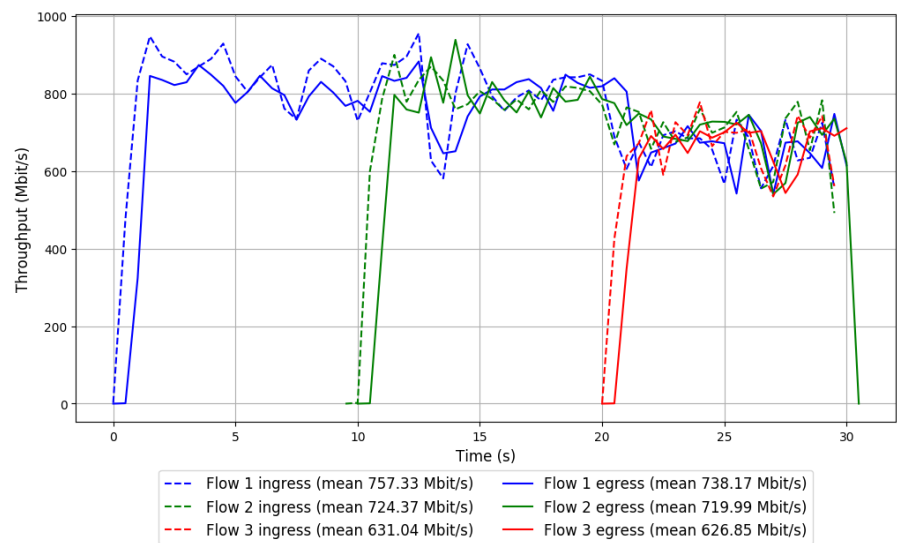


Run 3: Statistics of FillP

Start at: 2018-07-26 19:23:46
End at: 2018-07-26 19:24:16
Local clock offset: -0.097 ms
Remote clock offset: -1.417 ms

Below is generated by plot.py at 2018-07-26 23:47:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 1425.51 Mbit/s
95th percentile per-packet one-way delay: 175.223 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 738.17 Mbit/s
95th percentile per-packet one-way delay: 177.830 ms
Loss rate: 2.52%
-- Flow 2:
Average throughput: 719.99 Mbit/s
95th percentile per-packet one-way delay: 154.426 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 626.85 Mbit/s
95th percentile per-packet one-way delay: 127.495 ms
Loss rate: 0.66%

Run 3: Report of FillP — Data Link

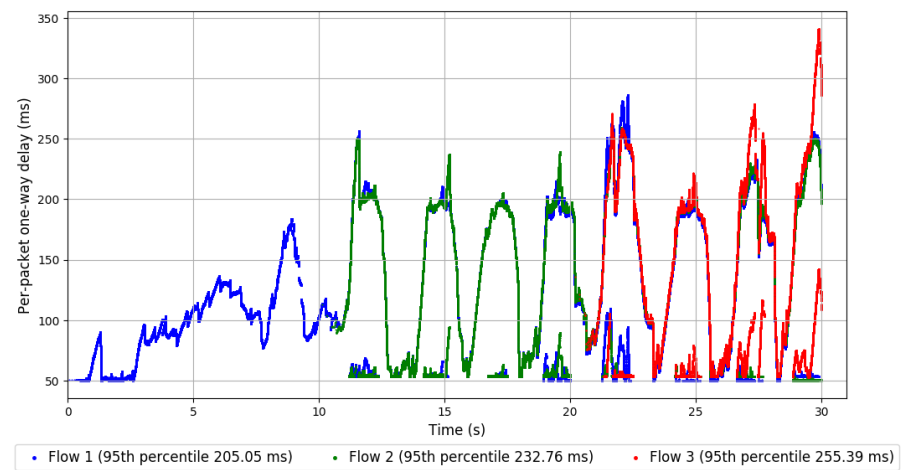
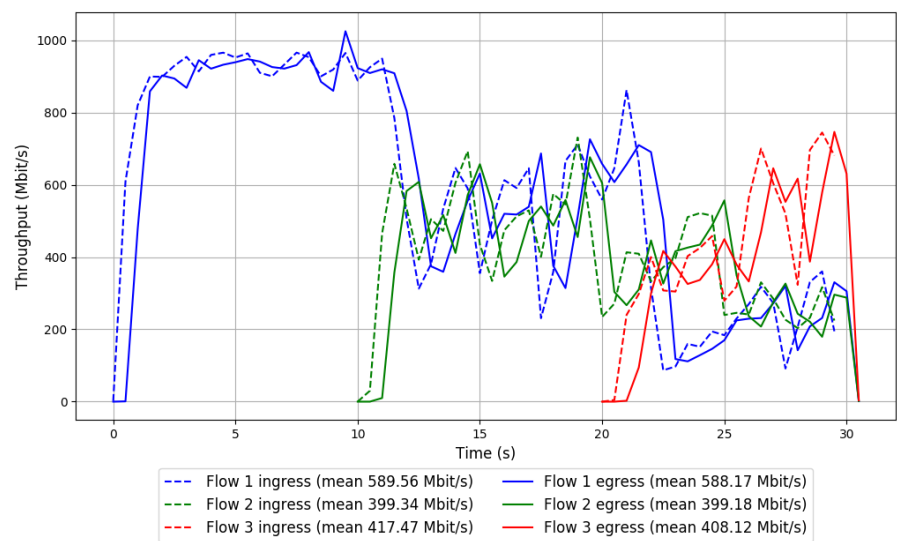


Run 4: Statistics of FillP

Start at: 2018-07-26 19:48:42
End at: 2018-07-26 19:49:12
Local clock offset: -0.005 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-26 23:47:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 986.86 Mbit/s
95th percentile per-packet one-way delay: 229.346 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 588.17 Mbit/s
95th percentile per-packet one-way delay: 205.052 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 399.18 Mbit/s
95th percentile per-packet one-way delay: 232.758 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 408.12 Mbit/s
95th percentile per-packet one-way delay: 255.387 ms
Loss rate: 3.03%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-26 20:12:53

End at: 2018-07-26 20:13:23

Local clock offset: -0.087 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-07-26 23:50:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 1459.66 Mbit/s

95th percentile per-packet one-way delay: 150.753 ms

Loss rate: 2.03%

-- Flow 1:

Average throughput: 796.75 Mbit/s

95th percentile per-packet one-way delay: 158.868 ms

Loss rate: 1.69%

-- Flow 2:

Average throughput: 682.22 Mbit/s

95th percentile per-packet one-way delay: 146.248 ms

Loss rate: 2.22%

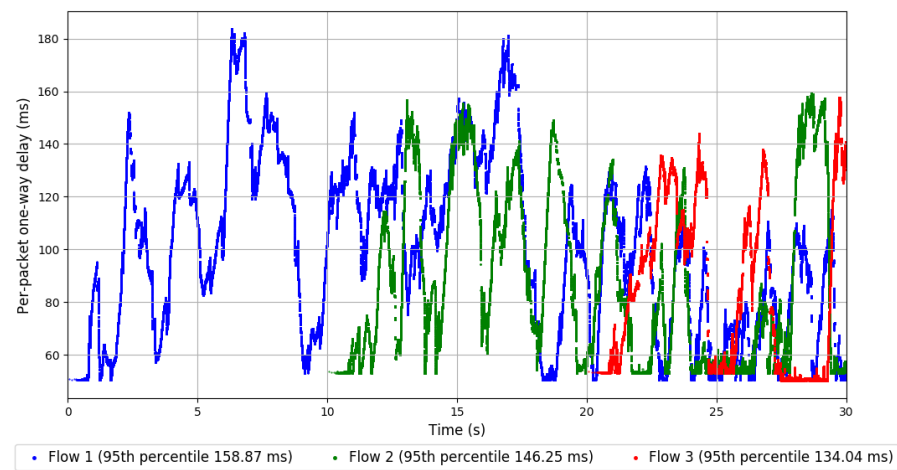
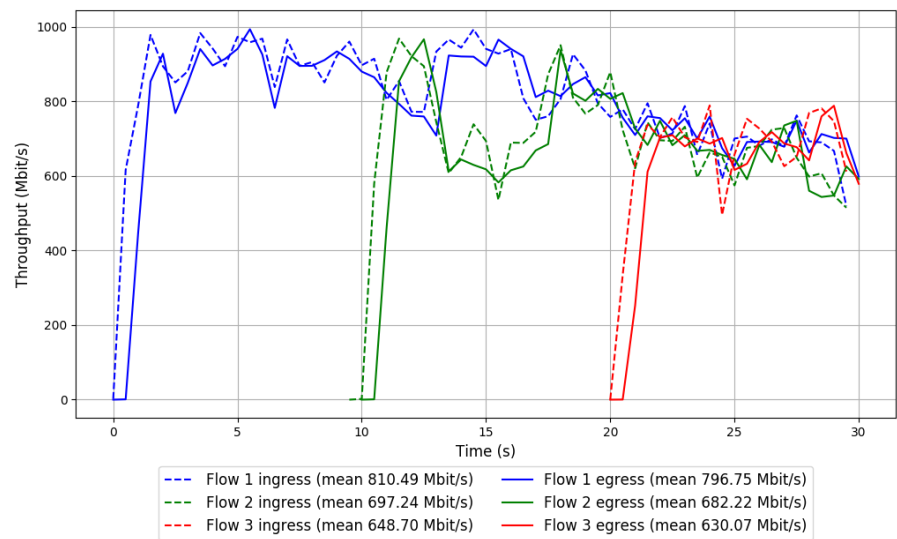
-- Flow 3:

Average throughput: 630.07 Mbit/s

95th percentile per-packet one-way delay: 134.037 ms

Loss rate: 2.88%

Run 5: Report of FillP — Data Link

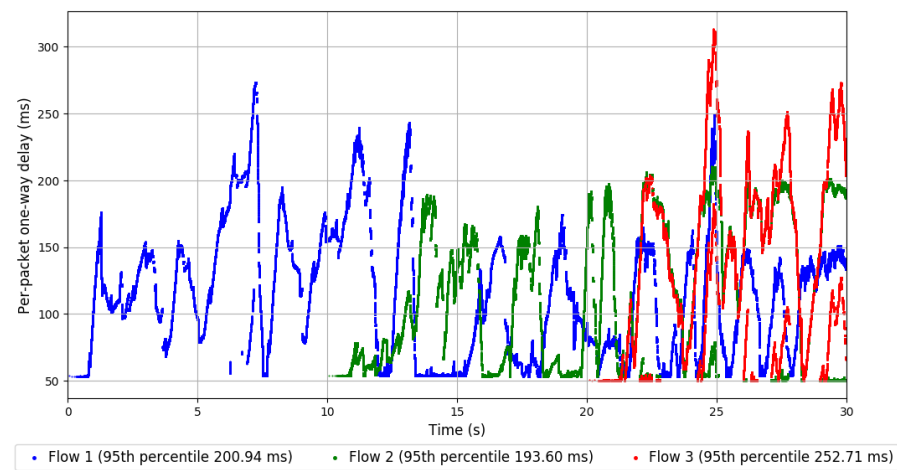
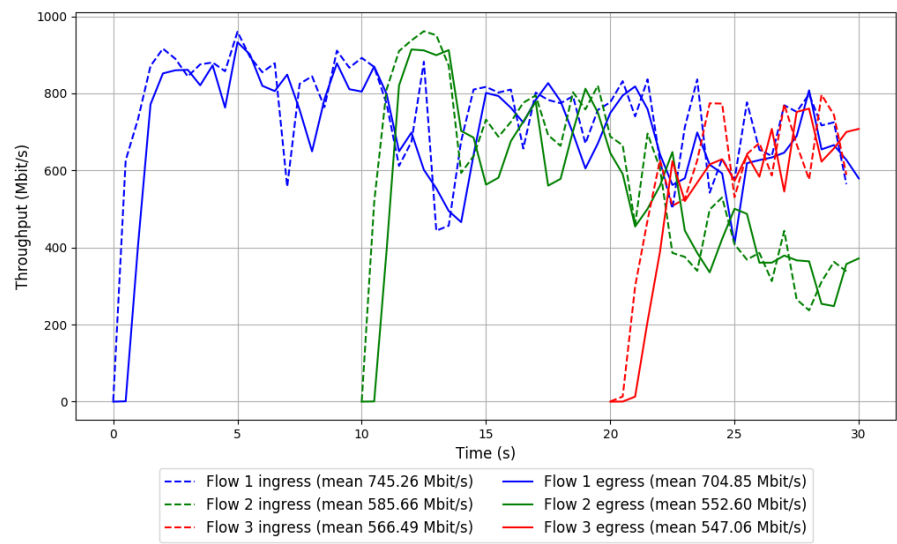


Run 6: Statistics of FillP

Start at: 2018-07-26 20:37:45
End at: 2018-07-26 20:38:15
Local clock offset: -0.108 ms
Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-07-26 23:50:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 1253.19 Mbit/s
95th percentile per-packet one-way delay: 203.644 ms
Loss rate: 5.20%
-- Flow 1:
Average throughput: 704.85 Mbit/s
95th percentile per-packet one-way delay: 200.935 ms
Loss rate: 5.42%
-- Flow 2:
Average throughput: 552.60 Mbit/s
95th percentile per-packet one-way delay: 193.603 ms
Loss rate: 5.65%
-- Flow 3:
Average throughput: 547.06 Mbit/s
95th percentile per-packet one-way delay: 252.710 ms
Loss rate: 3.38%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-26 21:02:28

End at: 2018-07-26 21:02:58

Local clock offset: 0.019 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2018-07-26 23:53:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 1482.27 Mbit/s

95th percentile per-packet one-way delay: 163.887 ms

Loss rate: 1.70%

-- Flow 1:

Average throughput: 813.92 Mbit/s

95th percentile per-packet one-way delay: 112.231 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 709.58 Mbit/s

95th percentile per-packet one-way delay: 194.072 ms

Loss rate: 2.82%

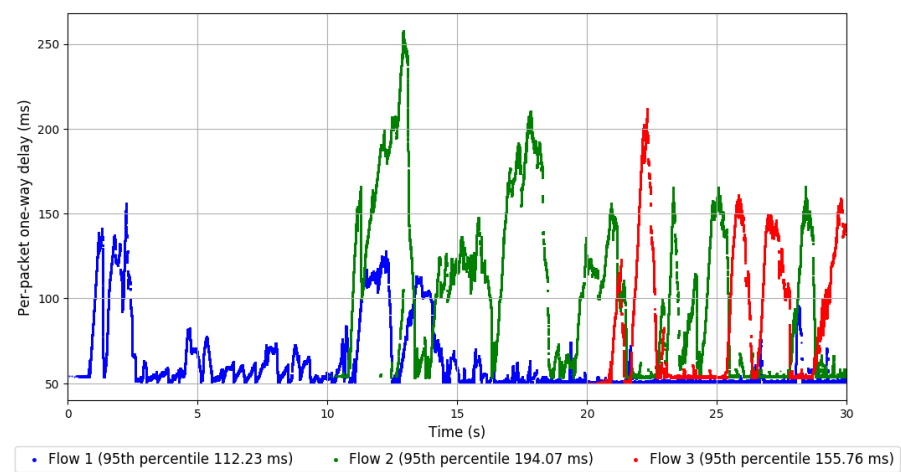
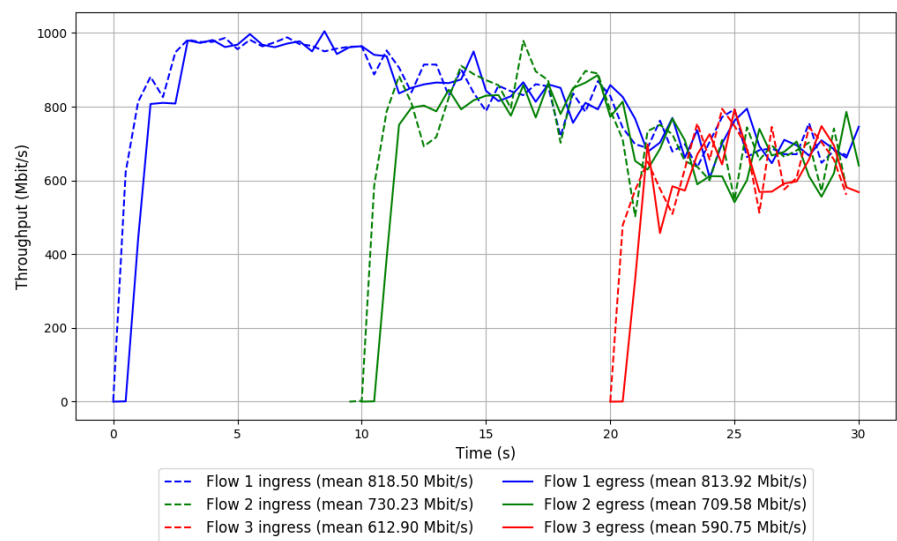
-- Flow 3:

Average throughput: 590.75 Mbit/s

95th percentile per-packet one-way delay: 155.762 ms

Loss rate: 3.58%

Run 7: Report of FillP — Data Link

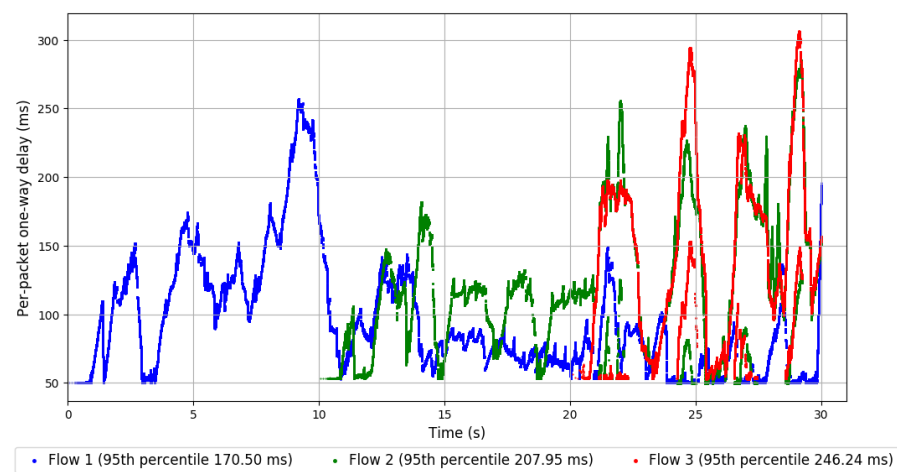
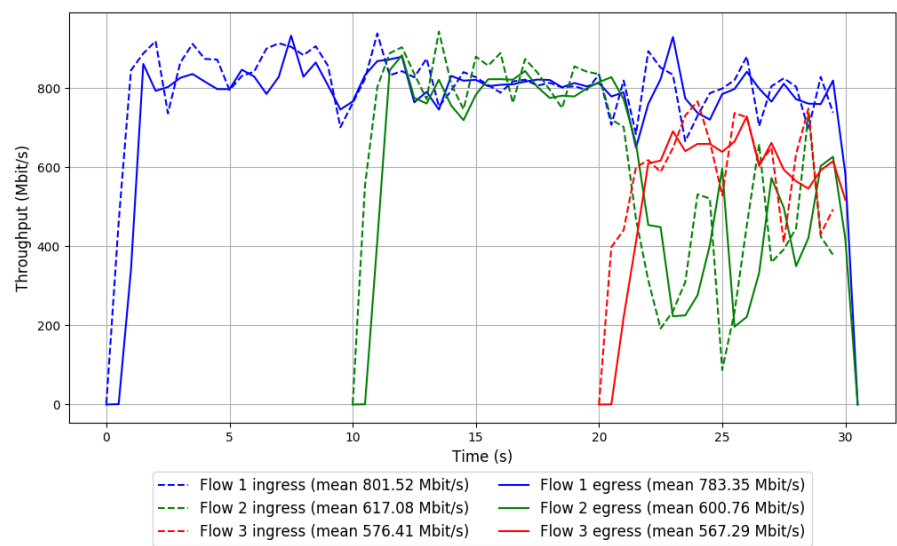


Run 8: Statistics of FillP

Start at: 2018-07-26 21:27:17
End at: 2018-07-26 21:27:47
Local clock offset: -0.154 ms
Remote clock offset: -0.336 ms

Below is generated by plot.py at 2018-07-26 23:53:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 1370.99 Mbit/s
95th percentile per-packet one-way delay: 206.755 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 783.35 Mbit/s
95th percentile per-packet one-way delay: 170.497 ms
Loss rate: 2.26%
-- Flow 2:
Average throughput: 600.76 Mbit/s
95th percentile per-packet one-way delay: 207.949 ms
Loss rate: 2.65%
-- Flow 3:
Average throughput: 567.29 Mbit/s
95th percentile per-packet one-way delay: 246.238 ms
Loss rate: 1.63%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-26 21:52:28

End at: 2018-07-26 21:52:58

Local clock offset: 0.08 ms

Remote clock offset: 0.21 ms

Below is generated by plot.py at 2018-07-27 00:07:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 1123.62 Mbit/s

95th percentile per-packet one-way delay: 233.080 ms

Loss rate: 2.75%

-- Flow 1:

Average throughput: 642.25 Mbit/s

95th percentile per-packet one-way delay: 239.865 ms

Loss rate: 3.47%

-- Flow 2:

Average throughput: 364.77 Mbit/s

95th percentile per-packet one-way delay: 241.912 ms

Loss rate: 0.82%

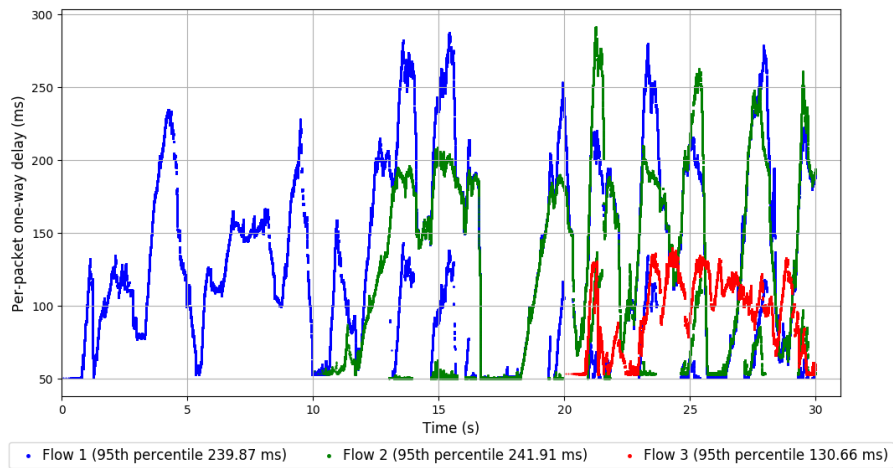
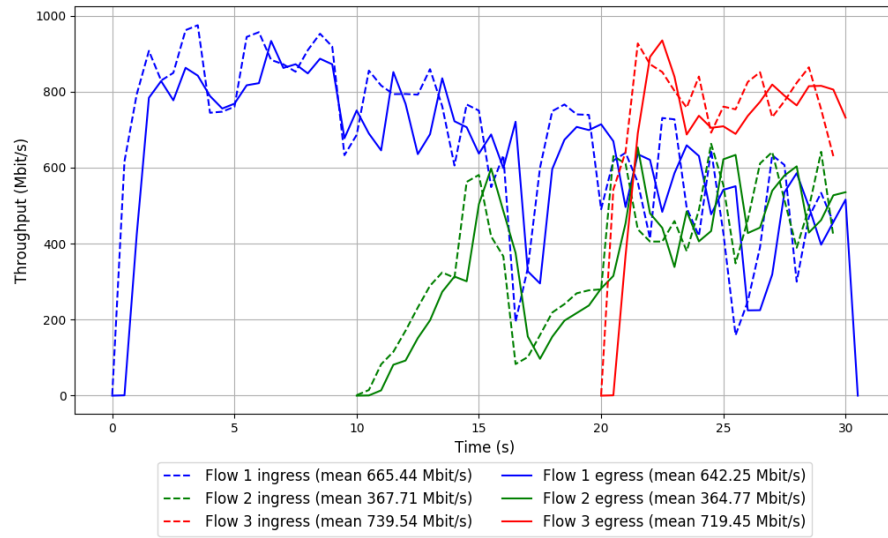
-- Flow 3:

Average throughput: 719.45 Mbit/s

95th percentile per-packet one-way delay: 130.660 ms

Loss rate: 2.71%

Run 9: Report of FillP — Data Link

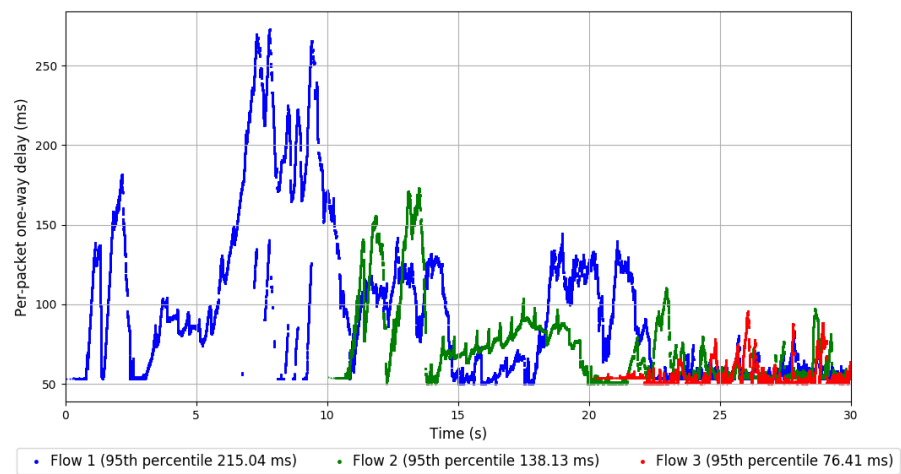
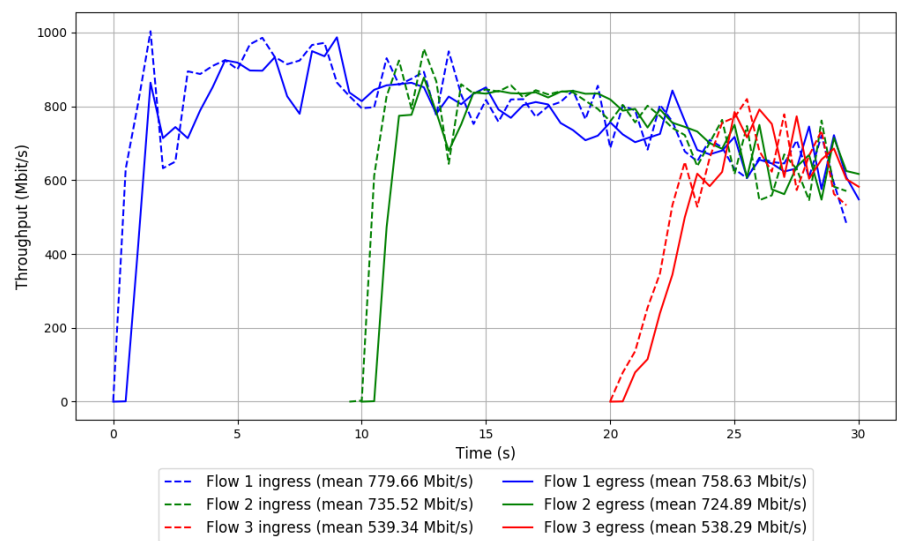


Run 10: Statistics of FillP

Start at: 2018-07-26 22:17:08
End at: 2018-07-26 22:17:38
Local clock offset: 0.151 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-27 00:20:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 1419.71 Mbit/s
95th percentile per-packet one-way delay: 179.794 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 758.63 Mbit/s
95th percentile per-packet one-way delay: 215.042 ms
Loss rate: 2.70%
-- Flow 2:
Average throughput: 724.89 Mbit/s
95th percentile per-packet one-way delay: 138.134 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 538.29 Mbit/s
95th percentile per-packet one-way delay: 76.408 ms
Loss rate: 0.22%

Run 10: Report of FillP — Data Link

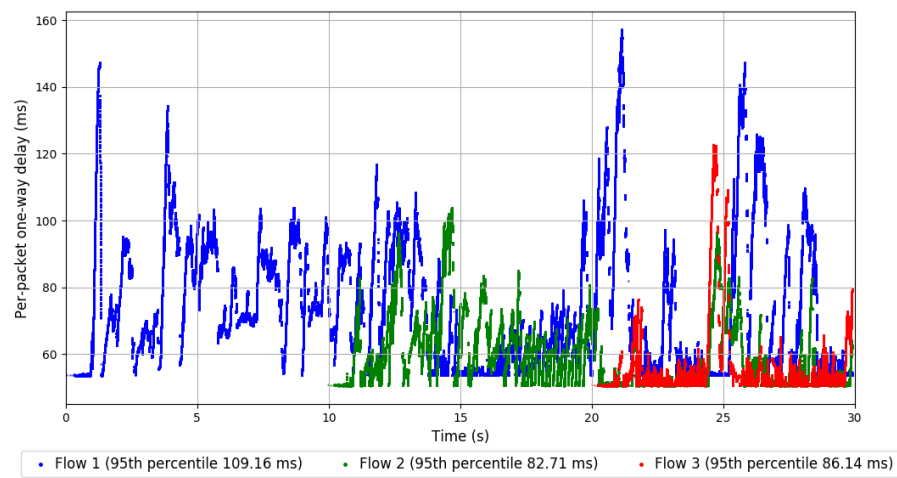
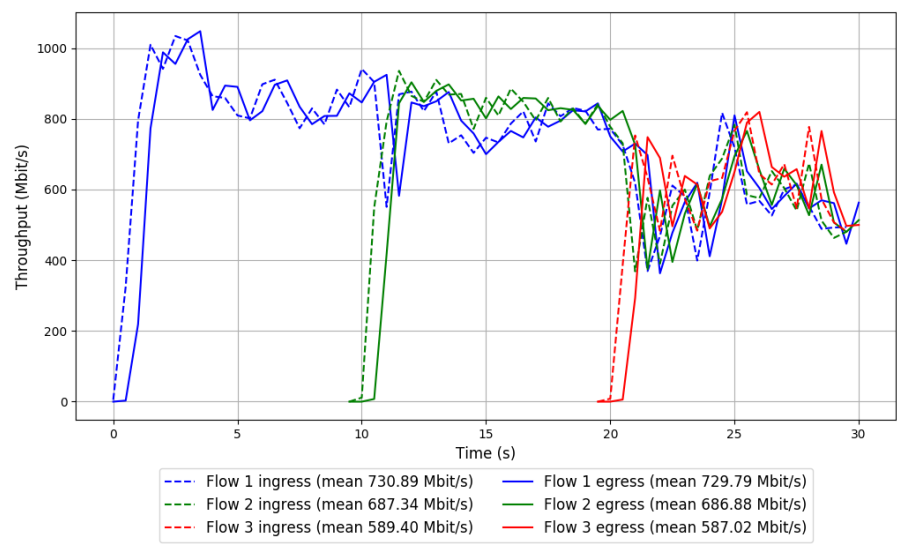


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-26 18:38:35
End at: 2018-07-26 18:39:05
Local clock offset: -0.168 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-27 00:22:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 1383.30 Mbit/s
95th percentile per-packet one-way delay: 100.413 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 729.79 Mbit/s
95th percentile per-packet one-way delay: 109.157 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 686.88 Mbit/s
95th percentile per-packet one-way delay: 82.707 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 587.02 Mbit/s
95th percentile per-packet one-way delay: 86.137 ms
Loss rate: 0.40%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-26 19:03:29

End at: 2018-07-26 19:03:59

Local clock offset: -0.163 ms

Remote clock offset: 0.305 ms

Below is generated by plot.py at 2018-07-27 00:22:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 1317.57 Mbit/s

95th percentile per-packet one-way delay: 152.133 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 761.99 Mbit/s

95th percentile per-packet one-way delay: 89.419 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 627.19 Mbit/s

95th percentile per-packet one-way delay: 157.157 ms

Loss rate: 0.51%

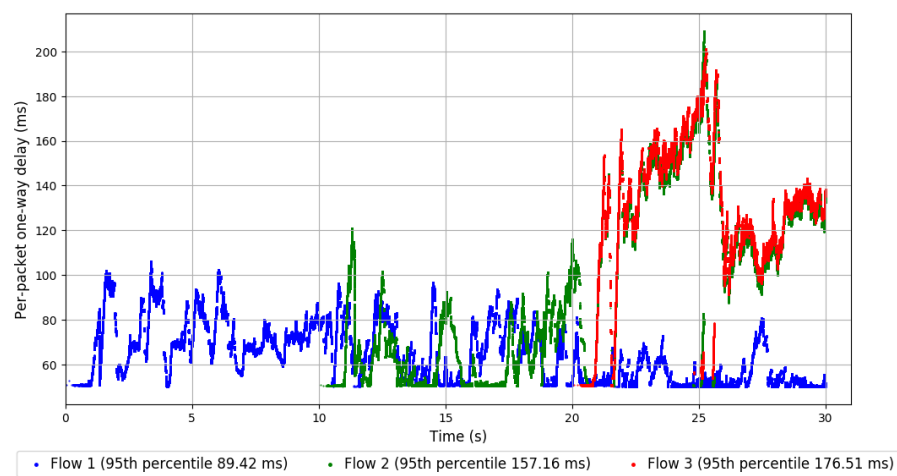
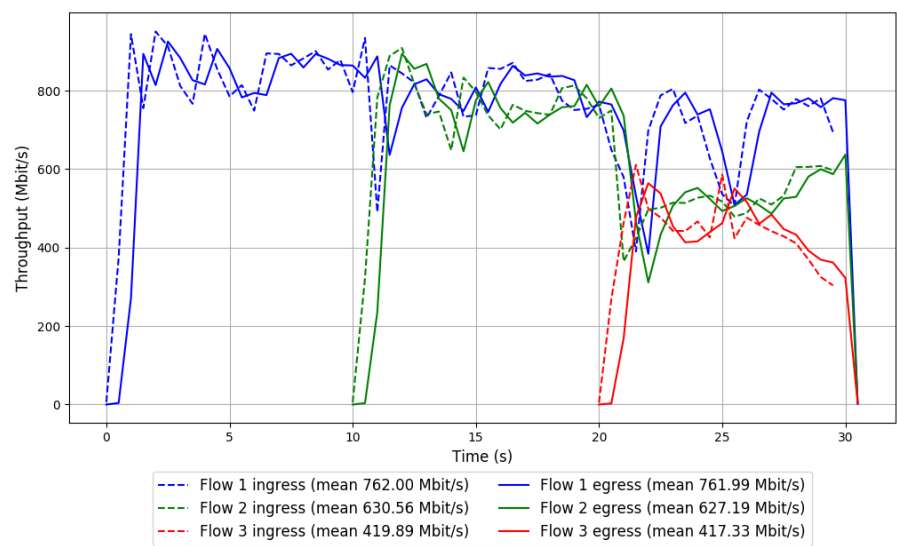
-- Flow 3:

Average throughput: 417.33 Mbit/s

95th percentile per-packet one-way delay: 176.512 ms

Loss rate: 0.55%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-26 19:28:24

End at: 2018-07-26 19:28:54

Local clock offset: -0.128 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-07-27 00:23:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 1363.79 Mbit/s

95th percentile per-packet one-way delay: 118.145 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 711.86 Mbit/s

95th percentile per-packet one-way delay: 113.310 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 695.24 Mbit/s

95th percentile per-packet one-way delay: 121.610 ms

Loss rate: 0.48%

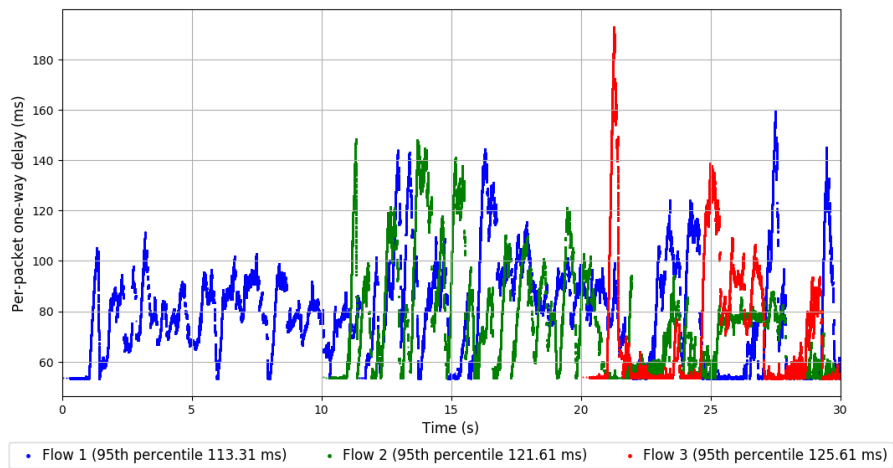
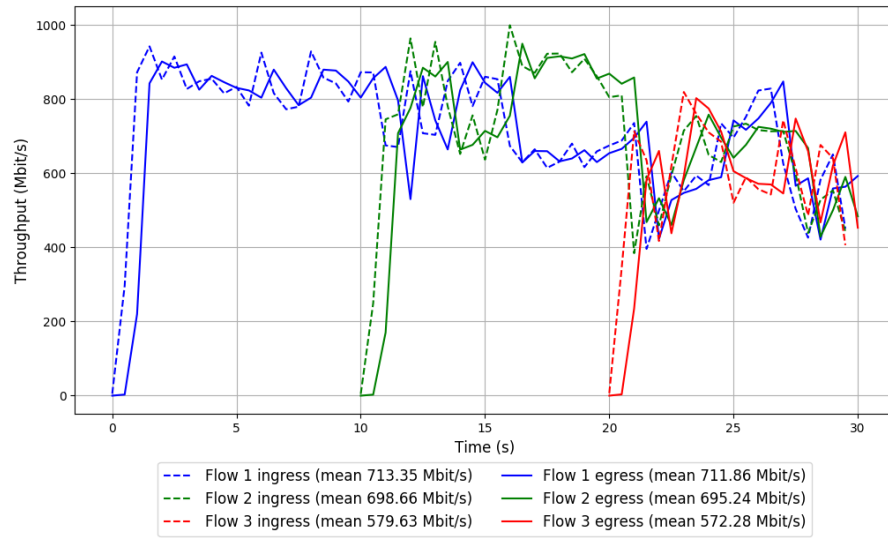
-- Flow 3:

Average throughput: 572.28 Mbit/s

95th percentile per-packet one-way delay: 125.606 ms

Loss rate: 1.27%

Run 3: Report of FillP-Sheep — Data Link

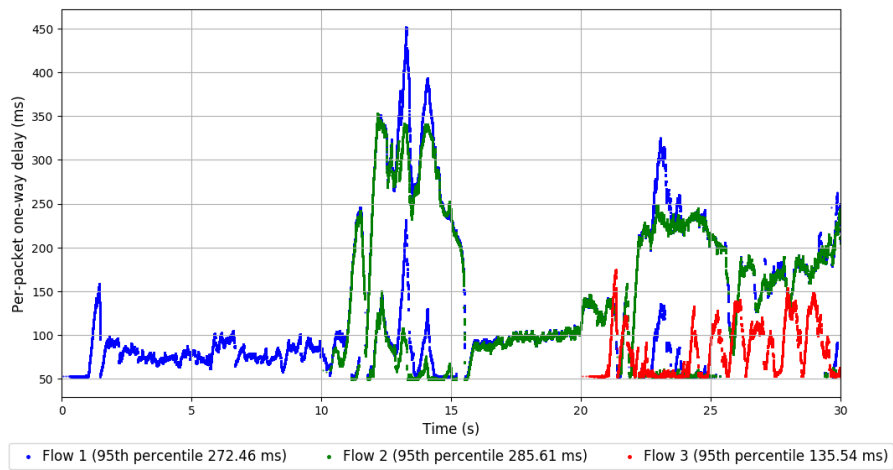
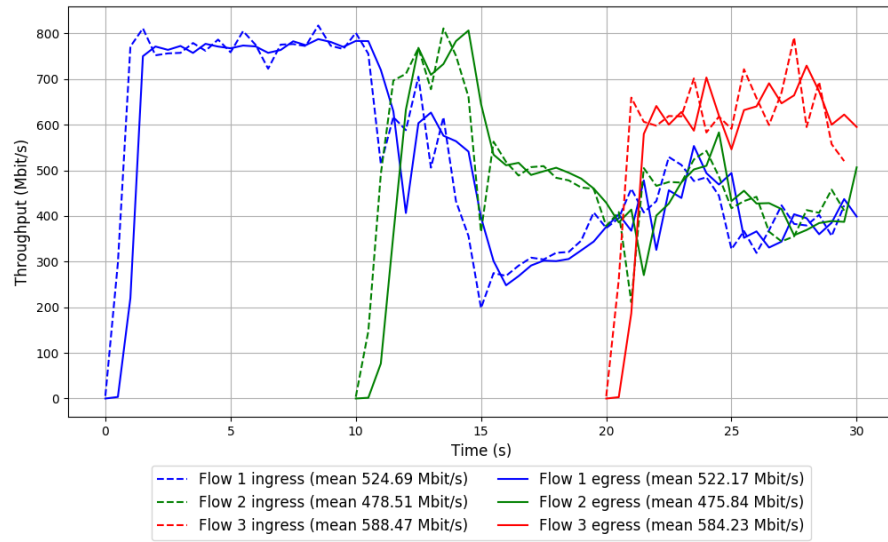


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-26 19:53:03
End at: 2018-07-26 19:53:33
Local clock offset: 0.263 ms
Remote clock offset: -0.331 ms

Below is generated by plot.py at 2018-07-27 00:23:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 1032.33 Mbit/s
95th percentile per-packet one-way delay: 261.832 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 522.17 Mbit/s
95th percentile per-packet one-way delay: 272.464 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 475.84 Mbit/s
95th percentile per-packet one-way delay: 285.608 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 584.23 Mbit/s
95th percentile per-packet one-way delay: 135.545 ms
Loss rate: 0.66%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-26 20:17:31

End at: 2018-07-26 20:18:01

Local clock offset: 0.093 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-07-27 00:25:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 1279.84 Mbit/s

95th percentile per-packet one-way delay: 97.822 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 672.72 Mbit/s

95th percentile per-packet one-way delay: 101.682 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 653.46 Mbit/s

95th percentile per-packet one-way delay: 87.740 ms

Loss rate: 0.44%

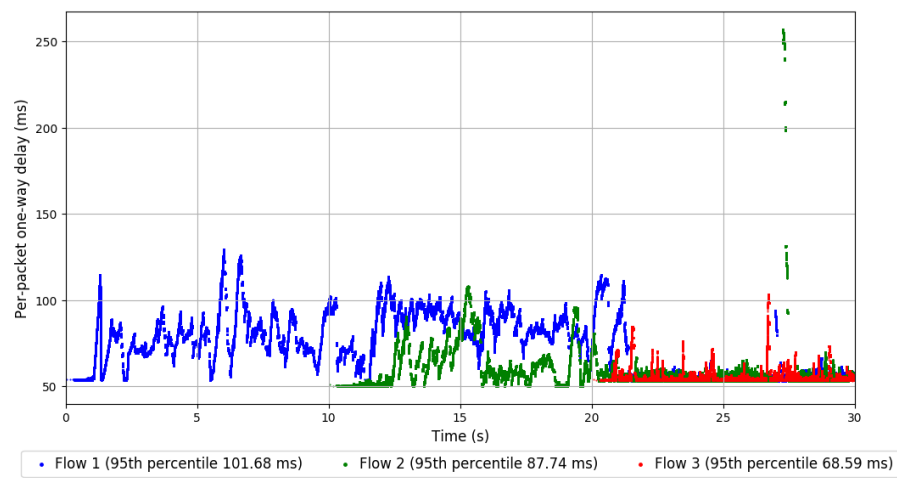
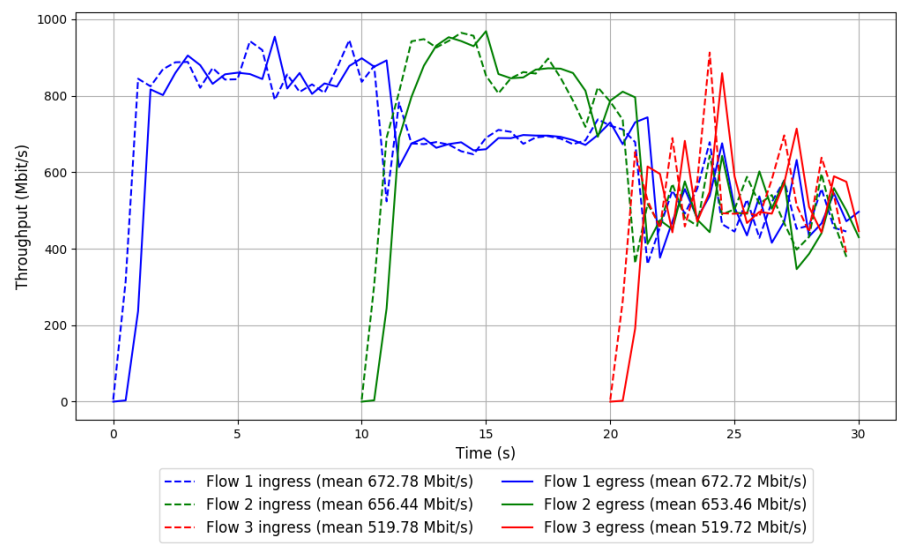
-- Flow 3:

Average throughput: 519.72 Mbit/s

95th percentile per-packet one-way delay: 68.588 ms

Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link

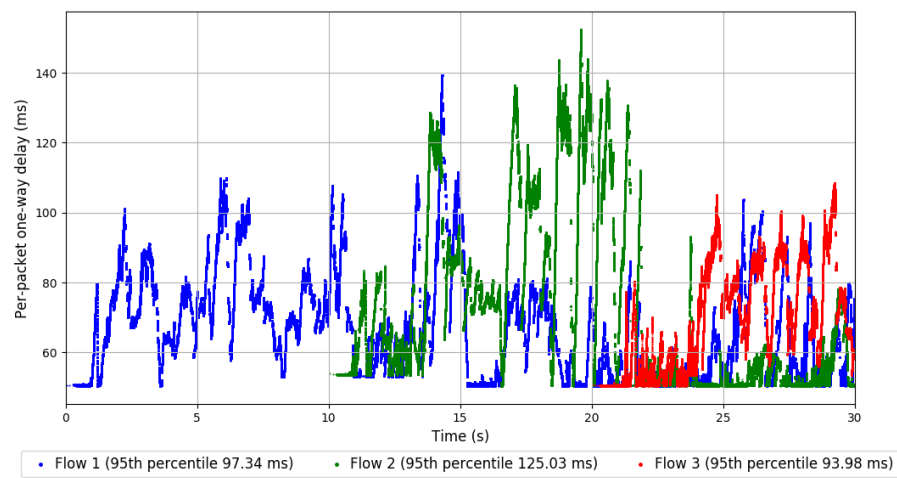
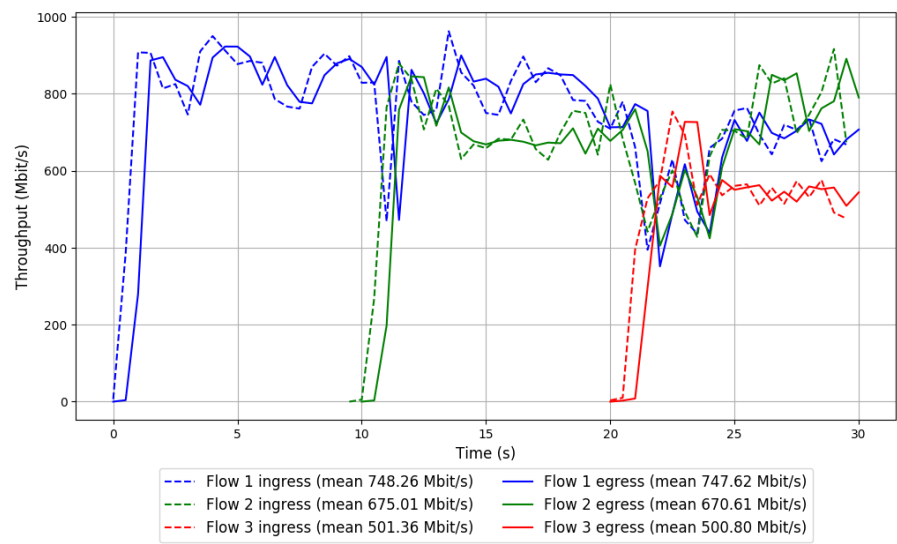


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-26 20:42:17
End at: 2018-07-26 20:42:47
Local clock offset: 0.02 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-07-27 00:30:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 1360.20 Mbit/s
95th percentile per-packet one-way delay: 109.258 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 747.62 Mbit/s
95th percentile per-packet one-way delay: 97.338 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 670.61 Mbit/s
95th percentile per-packet one-way delay: 125.025 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 500.80 Mbit/s
95th percentile per-packet one-way delay: 93.980 ms
Loss rate: 0.08%

Run 6: Report of FillP-Sheep — Data Link

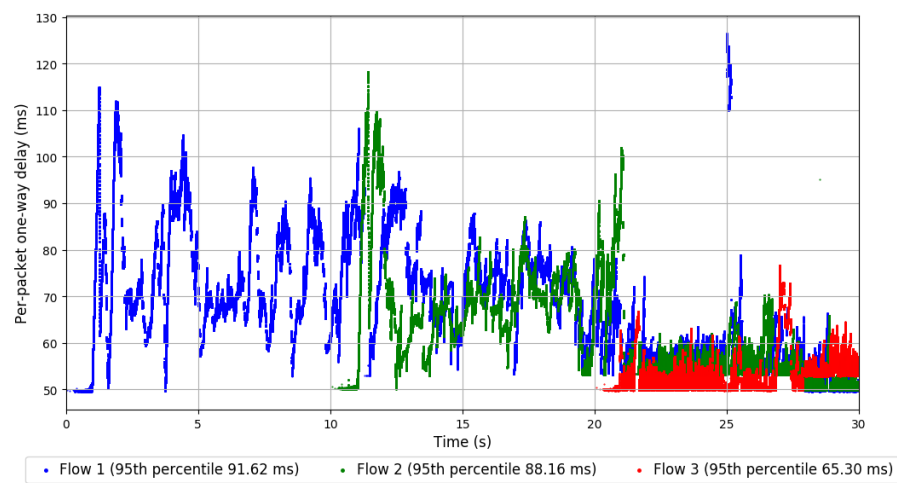
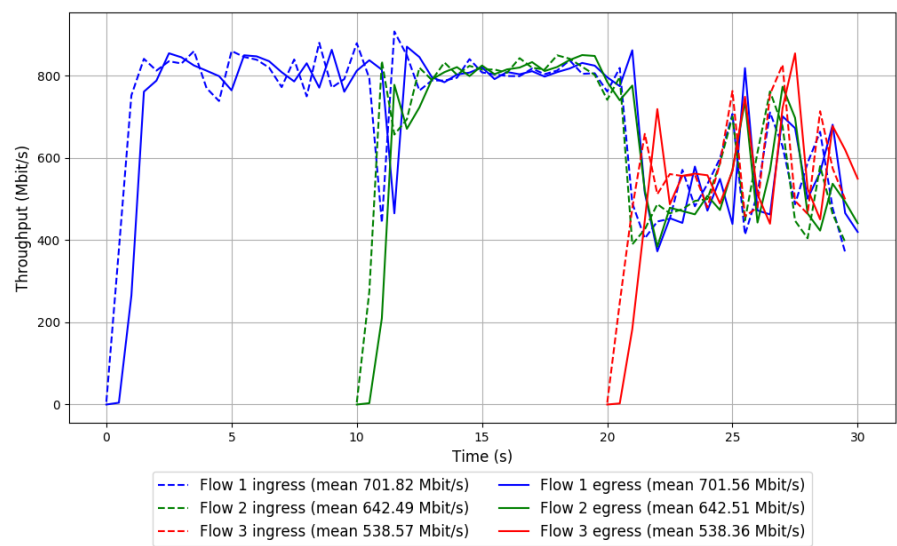


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-26 21:07:12
End at: 2018-07-26 21:07:42
Local clock offset: 0.093 ms
Remote clock offset: -0.299 ms

Below is generated by plot.py at 2018-07-27 00:46:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1307.11 Mbit/s
95th percentile per-packet one-way delay: 90.207 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 701.56 Mbit/s
95th percentile per-packet one-way delay: 91.621 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 642.51 Mbit/s
95th percentile per-packet one-way delay: 88.157 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 538.36 Mbit/s
95th percentile per-packet one-way delay: 65.298 ms
Loss rate: 0.00%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-26 21:31:57

End at: 2018-07-26 21:32:27

Local clock offset: -0.065 ms

Remote clock offset: -1.28 ms

Below is generated by plot.py at 2018-07-27 00:53:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 1399.08 Mbit/s

95th percentile per-packet one-way delay: 98.090 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 748.52 Mbit/s

95th percentile per-packet one-way delay: 97.119 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 685.68 Mbit/s

95th percentile per-packet one-way delay: 107.661 ms

Loss rate: 0.56%

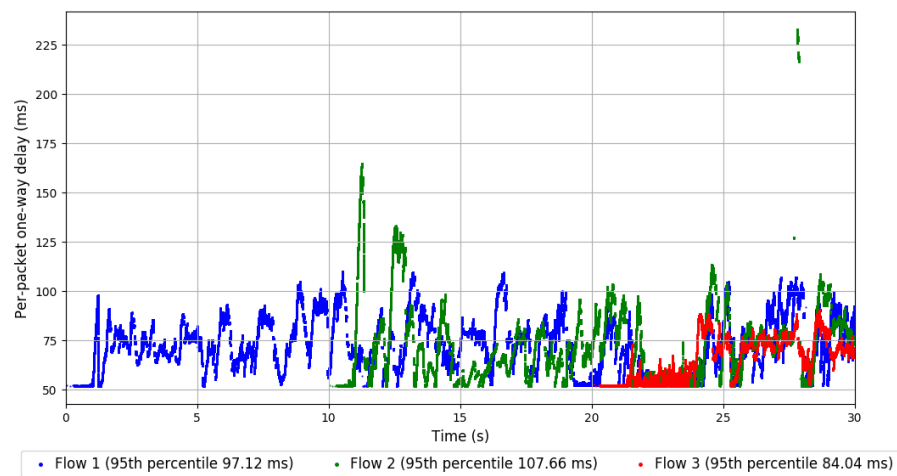
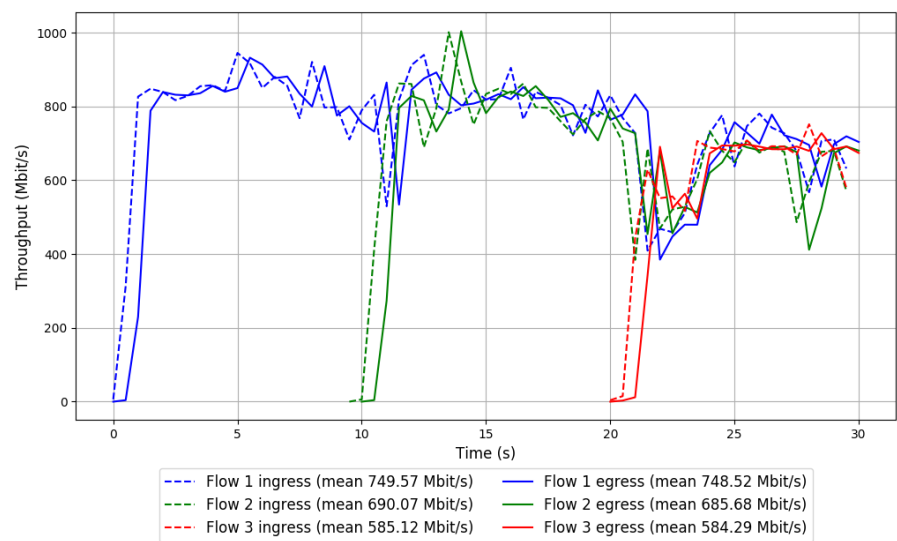
-- Flow 3:

Average throughput: 584.29 Mbit/s

95th percentile per-packet one-way delay: 84.039 ms

Loss rate: 0.00%

Run 8: Report of FillP-Sheep — Data Link

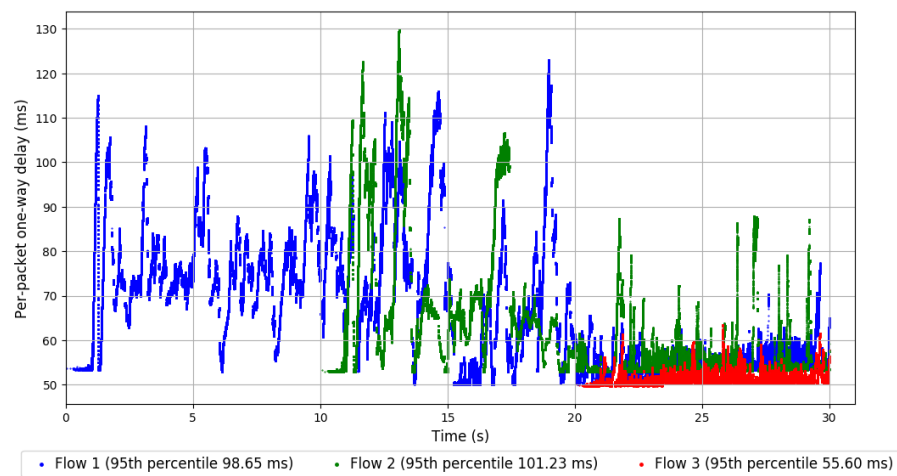
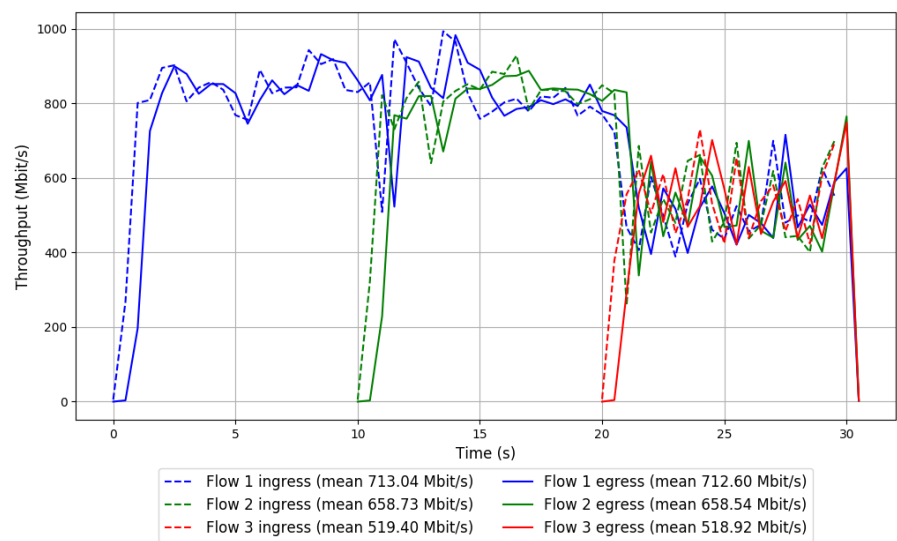


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-26 21:56:57
End at: 2018-07-26 21:57:27
Local clock offset: 0.041 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-27 00:55:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 1322.84 Mbit/s
95th percentile per-packet one-way delay: 98.618 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 712.60 Mbit/s
95th percentile per-packet one-way delay: 98.652 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 658.54 Mbit/s
95th percentile per-packet one-way delay: 101.228 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 518.92 Mbit/s
95th percentile per-packet one-way delay: 55.598 ms
Loss rate: 0.04%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-26 22:21:50

End at: 2018-07-26 22:22:20

Local clock offset: -0.171 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-07-27 00:55:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 1225.34 Mbit/s

95th percentile per-packet one-way delay: 186.154 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 666.61 Mbit/s

95th percentile per-packet one-way delay: 184.909 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 619.32 Mbit/s

95th percentile per-packet one-way delay: 103.524 ms

Loss rate: 0.25%

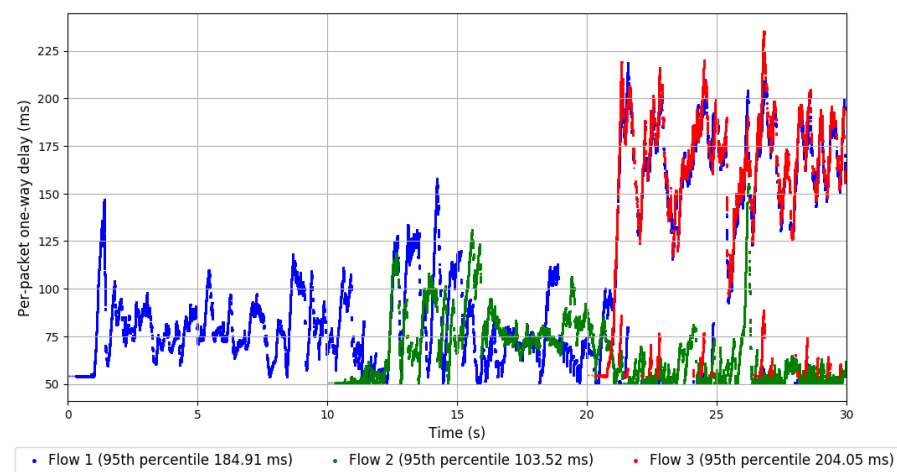
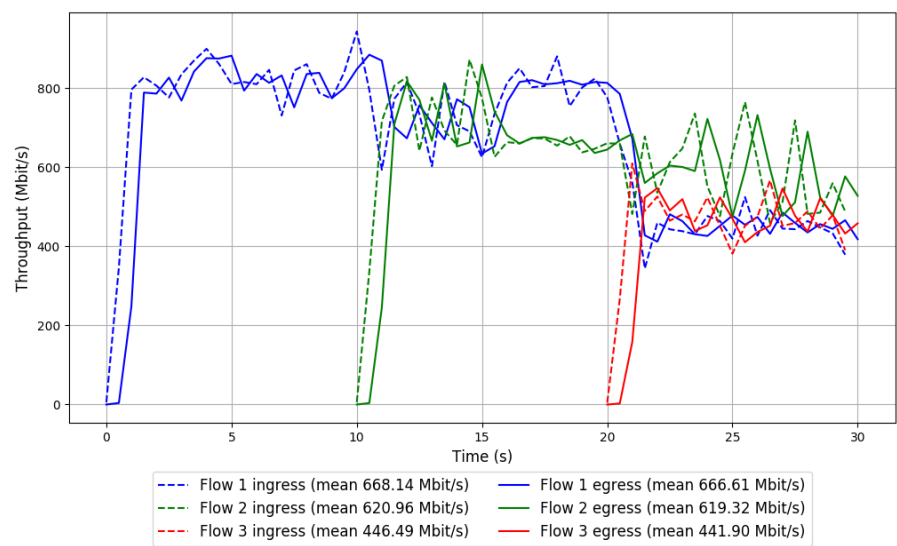
-- Flow 3:

Average throughput: 441.90 Mbit/s

95th percentile per-packet one-way delay: 204.051 ms

Loss rate: 1.03%

Run 10: Report of FillP-Sheep — Data Link

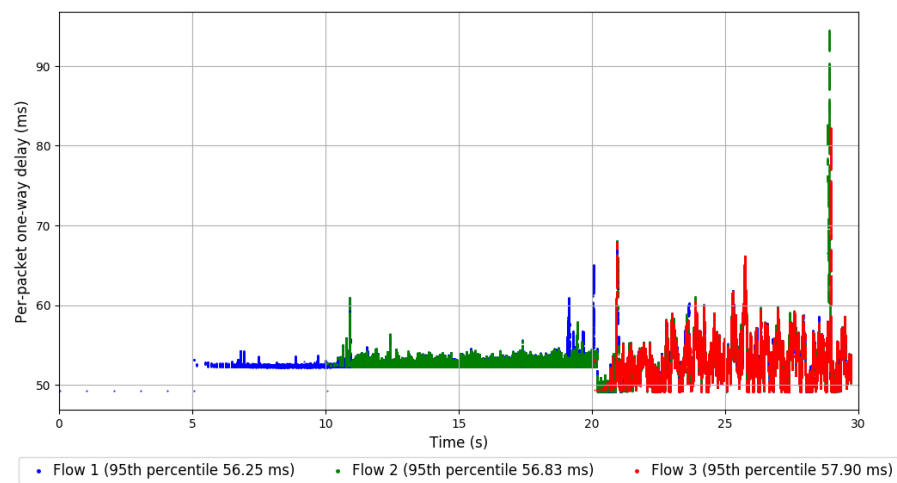
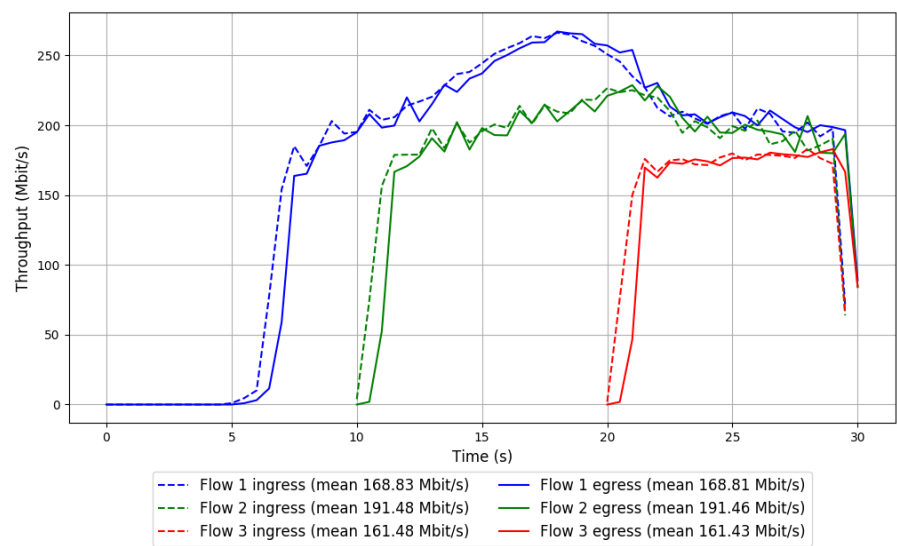


Run 1: Statistics of Indigo

Start at: 2018-07-26 18:17:40
End at: 2018-07-26 18:18:10
Local clock offset: -0.202 ms
Remote clock offset: -1.346 ms

Below is generated by plot.py at 2018-07-27 00:55:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 347.94 Mbit/s
95th percentile per-packet one-way delay: 56.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 168.81 Mbit/s
95th percentile per-packet one-way delay: 56.251 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 191.46 Mbit/s
95th percentile per-packet one-way delay: 56.832 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 161.43 Mbit/s
95th percentile per-packet one-way delay: 57.902 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-26 18:42:23

End at: 2018-07-26 18:42:53

Local clock offset: -0.066 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-27 00:55:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 398.81 Mbit/s

95th percentile per-packet one-way delay: 57.881 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 214.48 Mbit/s

95th percentile per-packet one-way delay: 56.931 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 199.09 Mbit/s

95th percentile per-packet one-way delay: 58.163 ms

Loss rate: 0.04%

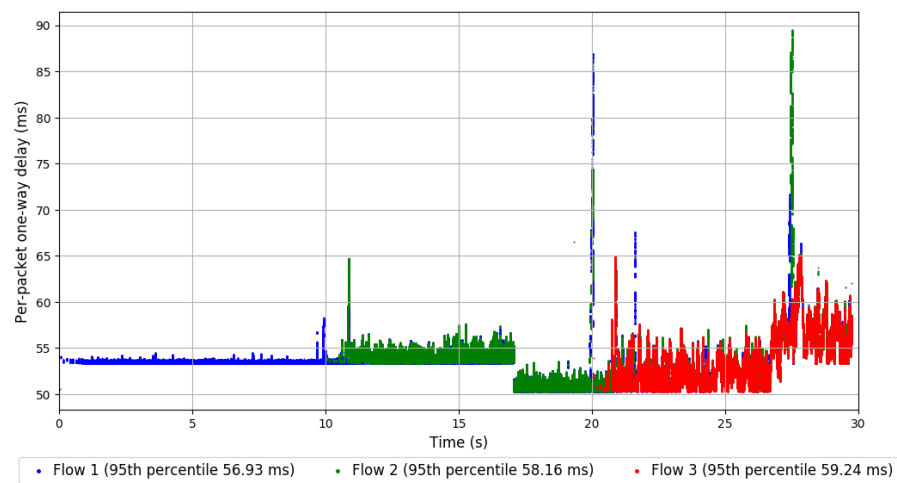
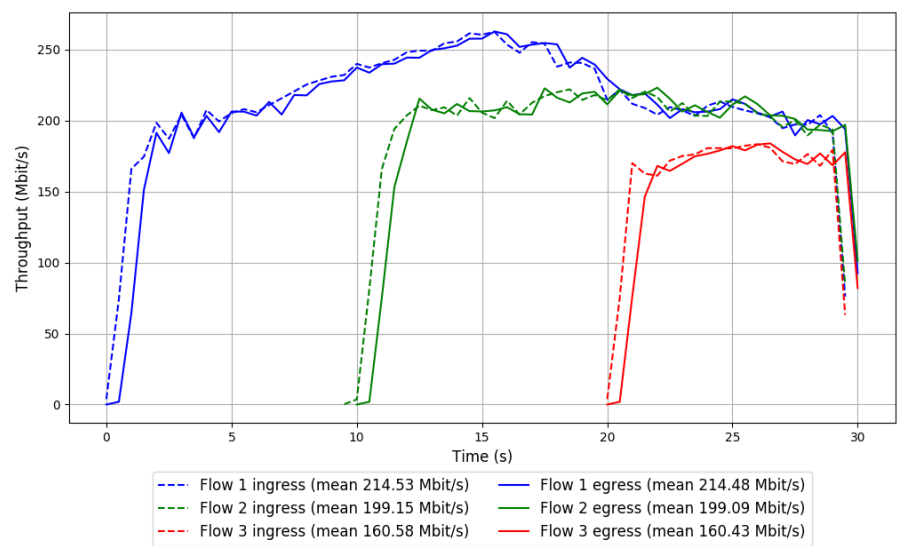
-- Flow 3:

Average throughput: 160.43 Mbit/s

95th percentile per-packet one-way delay: 59.237 ms

Loss rate: 0.05%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-26 19:07:12

End at: 2018-07-26 19:07:42

Local clock offset: -0.1 ms

Remote clock offset: 1.307 ms

Below is generated by plot.py at 2018-07-27 00:55:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 394.84 Mbit/s

95th percentile per-packet one-way delay: 63.783 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 217.77 Mbit/s

95th percentile per-packet one-way delay: 61.319 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 189.50 Mbit/s

95th percentile per-packet one-way delay: 65.209 ms

Loss rate: 0.07%

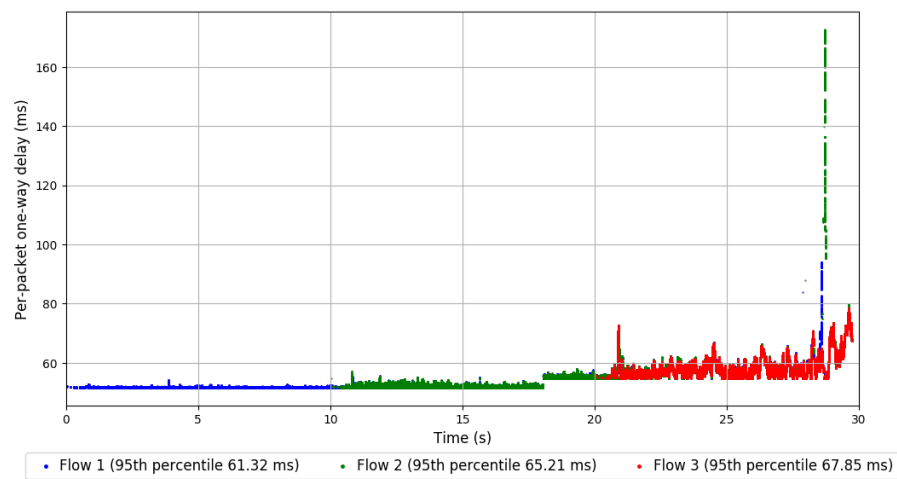
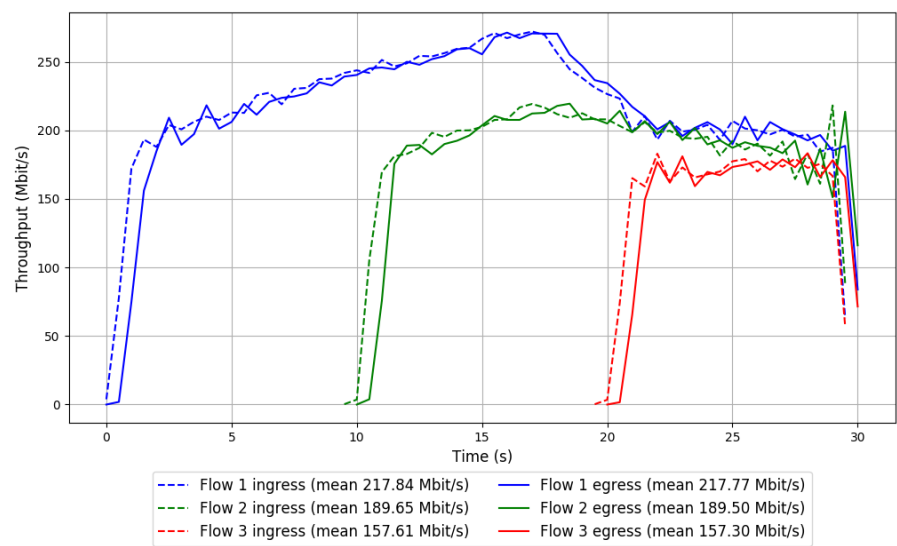
-- Flow 3:

Average throughput: 157.30 Mbit/s

95th percentile per-packet one-way delay: 67.851 ms

Loss rate: 0.22%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-26 19:32:14

End at: 2018-07-26 19:32:44

Local clock offset: 0.042 ms

Remote clock offset: 1.161 ms

Below is generated by plot.py at 2018-07-27 00:55:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 376.83 Mbit/s

95th percentile per-packet one-way delay: 60.933 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 204.08 Mbit/s

95th percentile per-packet one-way delay: 60.441 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 186.55 Mbit/s

95th percentile per-packet one-way delay: 61.003 ms

Loss rate: 0.04%

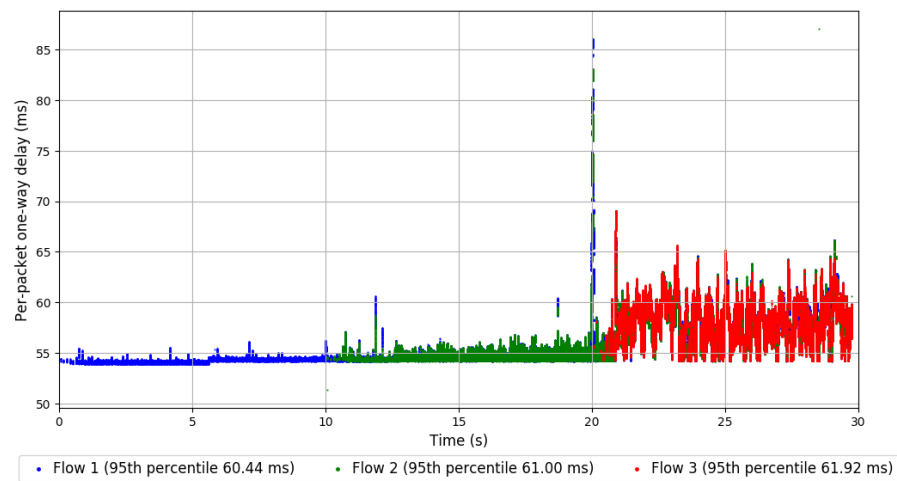
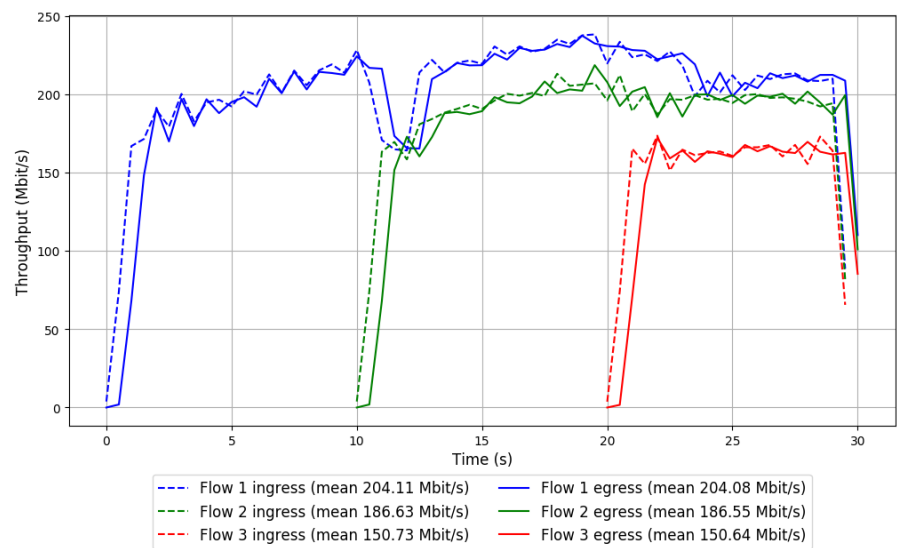
-- Flow 3:

Average throughput: 150.64 Mbit/s

95th percentile per-packet one-way delay: 61.920 ms

Loss rate: 0.10%

Run 4: Report of Indigo — Data Link

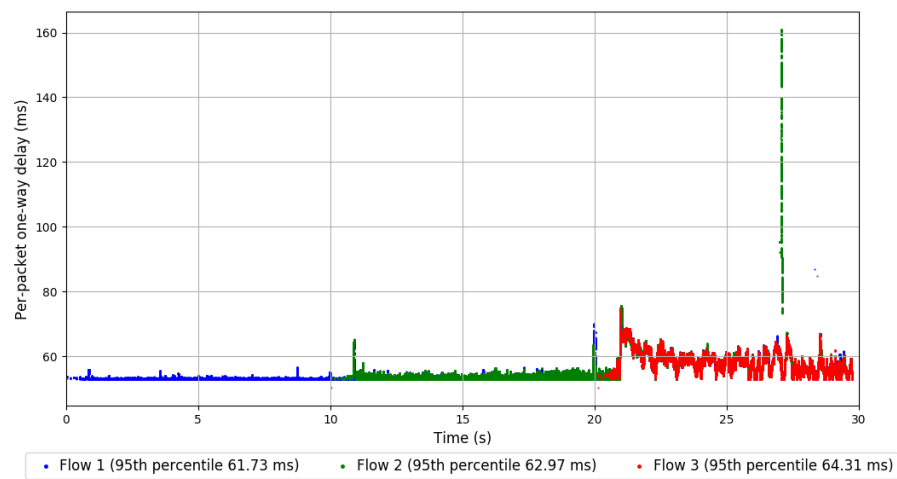
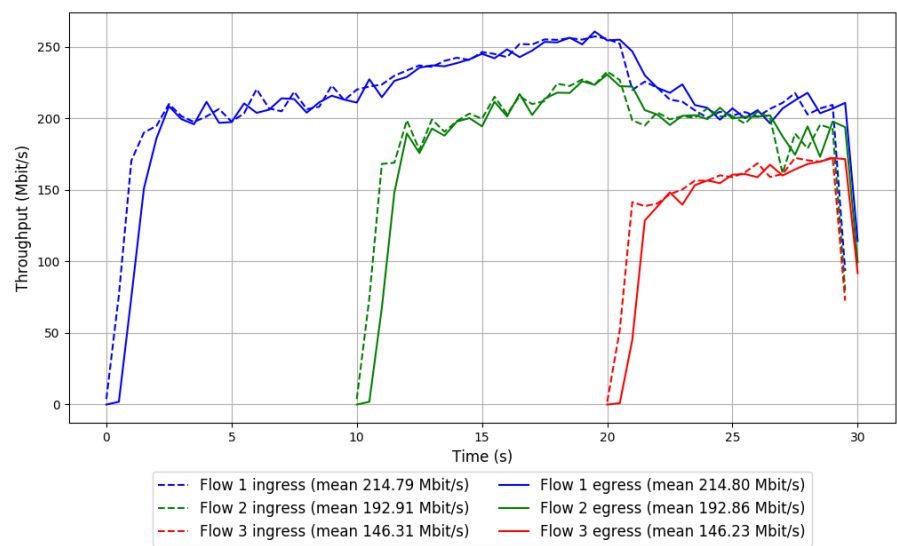


Run 5: Statistics of Indigo

Start at: 2018-07-26 19:56:38
End at: 2018-07-26 19:57:08
Local clock offset: 0.068 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-27 00:55:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 390.08 Mbit/s
95th percentile per-packet one-way delay: 62.648 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 214.80 Mbit/s
95th percentile per-packet one-way delay: 61.732 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 192.86 Mbit/s
95th percentile per-packet one-way delay: 62.966 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 146.23 Mbit/s
95th percentile per-packet one-way delay: 64.307 ms
Loss rate: 0.05%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-26 20:21:06

End at: 2018-07-26 20:21:36

Local clock offset: -0.043 ms

Remote clock offset: 1.362 ms

Below is generated by plot.py at 2018-07-27 00:55:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 397.10 Mbit/s

95th percentile per-packet one-way delay: 65.098 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 211.44 Mbit/s

95th percentile per-packet one-way delay: 63.532 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 206.29 Mbit/s

95th percentile per-packet one-way delay: 65.519 ms

Loss rate: 0.00%

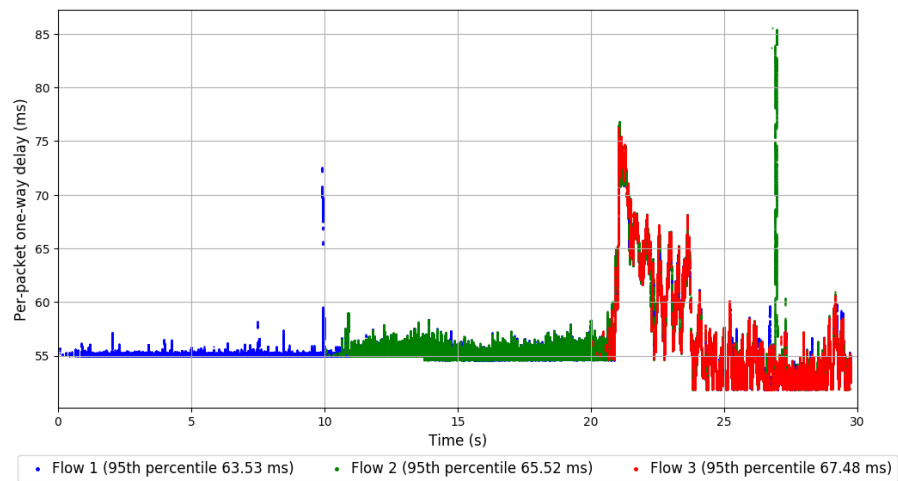
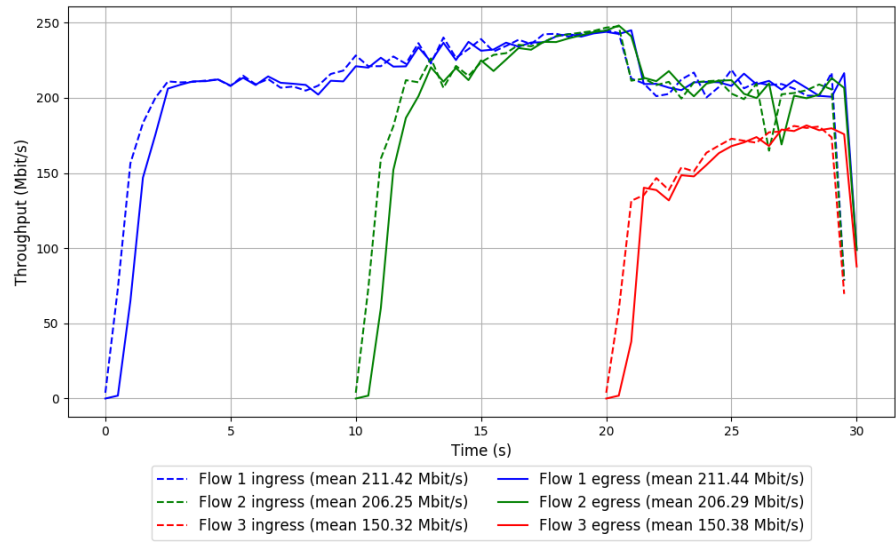
-- Flow 3:

Average throughput: 150.38 Mbit/s

95th percentile per-packet one-way delay: 67.483 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-26 20:45:58

End at: 2018-07-26 20:46:28

Local clock offset: 0.08 ms

Remote clock offset: 1.336 ms

Below is generated by plot.py at 2018-07-27 00:55:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 372.52 Mbit/s

95th percentile per-packet one-way delay: 61.502 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 194.54 Mbit/s

95th percentile per-packet one-way delay: 60.841 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 195.06 Mbit/s

95th percentile per-packet one-way delay: 61.558 ms

Loss rate: 0.02%

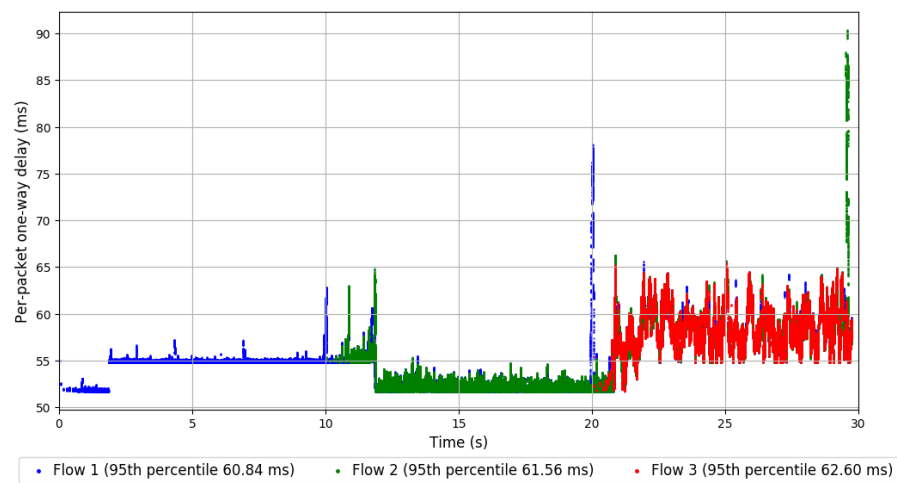
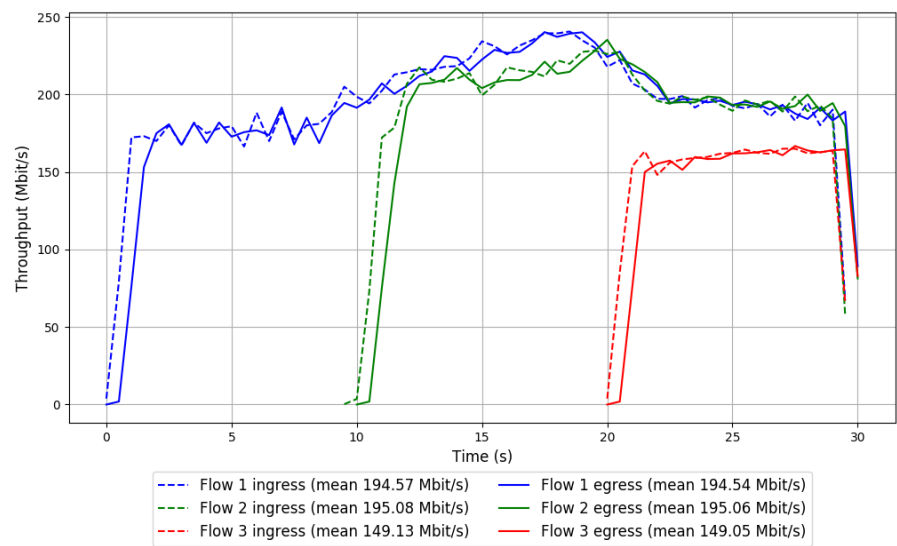
-- Flow 3:

Average throughput: 149.05 Mbit/s

95th percentile per-packet one-way delay: 62.600 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

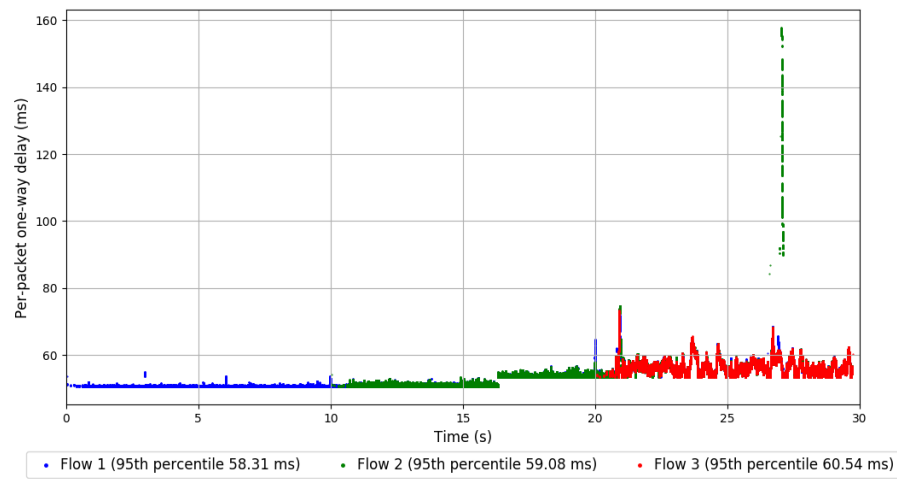
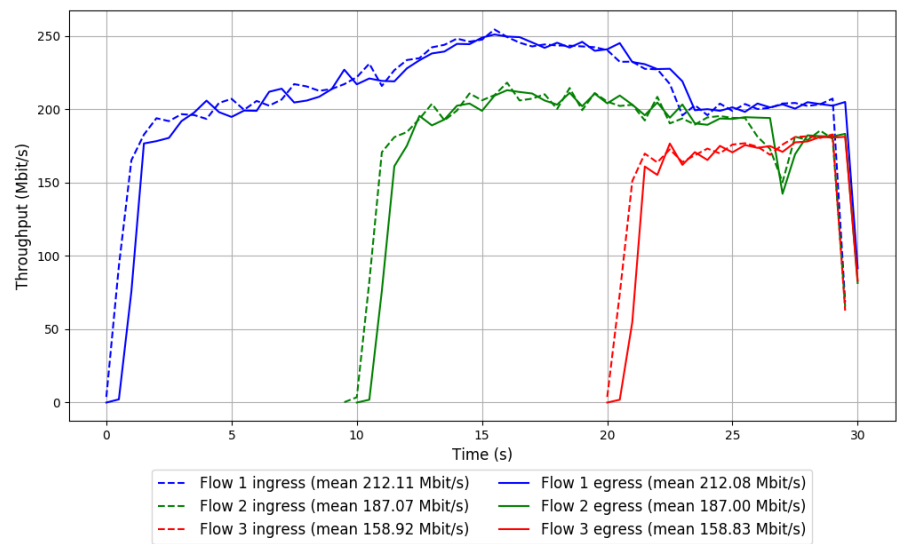


Run 8: Statistics of Indigo

Start at: 2018-07-26 21:10:54
End at: 2018-07-26 21:11:24
Local clock offset: -0.169 ms
Remote clock offset: -0.083 ms

```
# Below is generated by plot.py at 2018-07-27 00:55:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 387.80 Mbit/s
95th percentile per-packet one-way delay: 58.920 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 212.08 Mbit/s
95th percentile per-packet one-way delay: 58.307 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 187.00 Mbit/s
95th percentile per-packet one-way delay: 59.079 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 158.83 Mbit/s
95th percentile per-packet one-way delay: 60.541 ms
Loss rate: 0.05%
```

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-26 21:35:43

End at: 2018-07-26 21:36:13

Local clock offset: -0.089 ms

Remote clock offset: -1.47 ms

Below is generated by plot.py at 2018-07-27 00:55:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 399.48 Mbit/s

95th percentile per-packet one-way delay: 59.973 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 220.05 Mbit/s

95th percentile per-packet one-way delay: 59.077 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 196.93 Mbit/s

95th percentile per-packet one-way delay: 60.404 ms

Loss rate: 0.04%

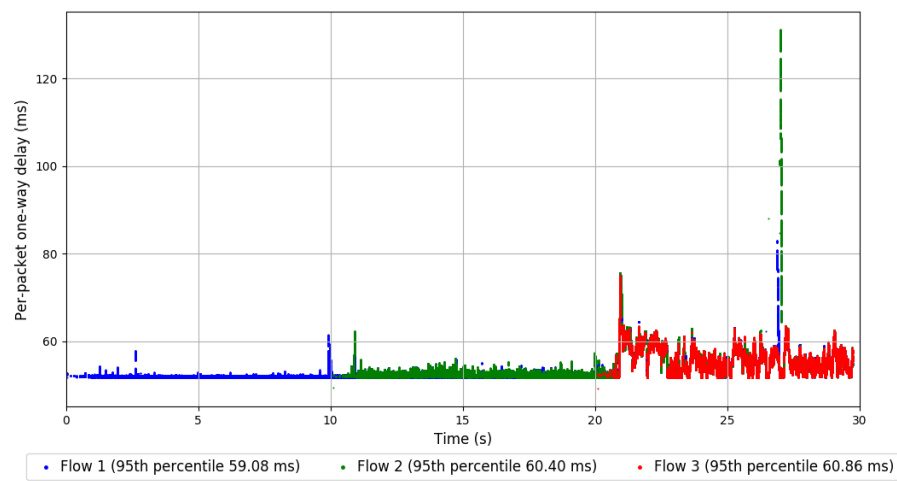
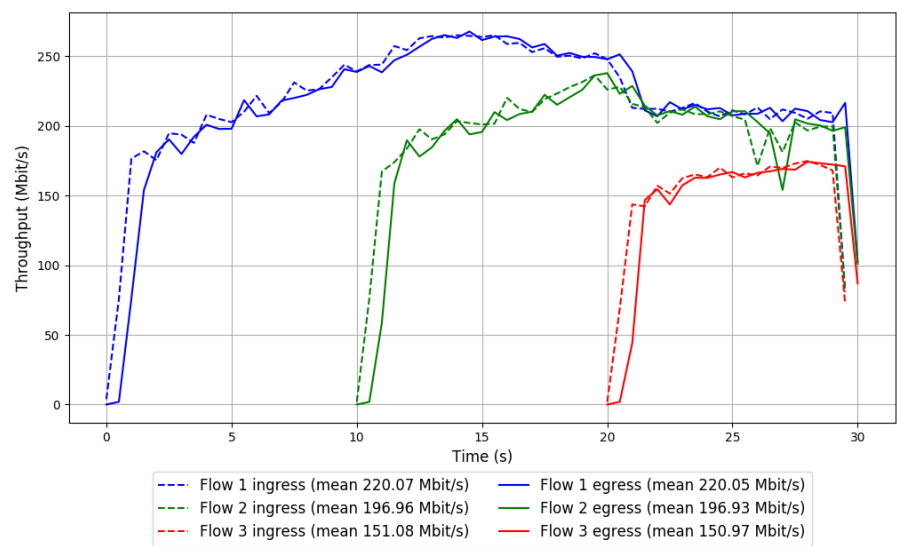
-- Flow 3:

Average throughput: 150.97 Mbit/s

95th percentile per-packet one-way delay: 60.857 ms

Loss rate: 0.08%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-26 22:00:42

End at: 2018-07-26 22:01:12

Local clock offset: -0.018 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-07-27 00:55:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 389.92 Mbit/s

95th percentile per-packet one-way delay: 56.501 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 212.69 Mbit/s

95th percentile per-packet one-way delay: 55.684 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 188.30 Mbit/s

95th percentile per-packet one-way delay: 56.756 ms

Loss rate: 0.04%

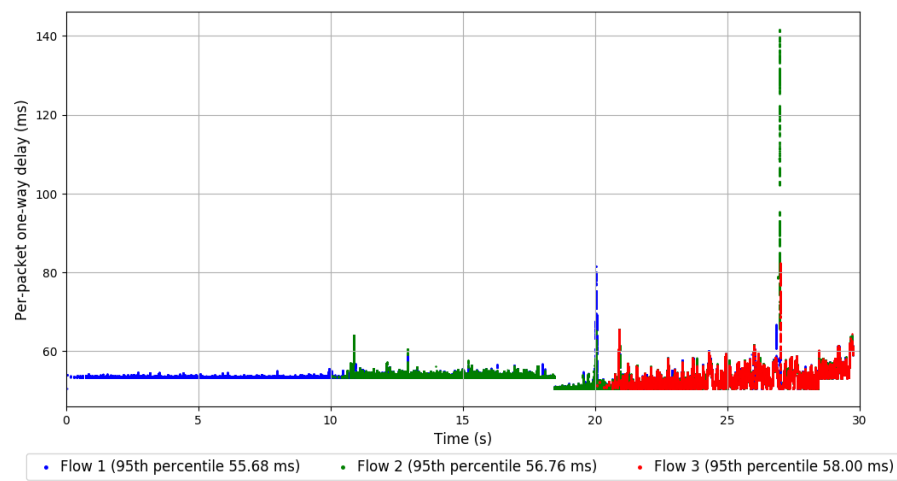
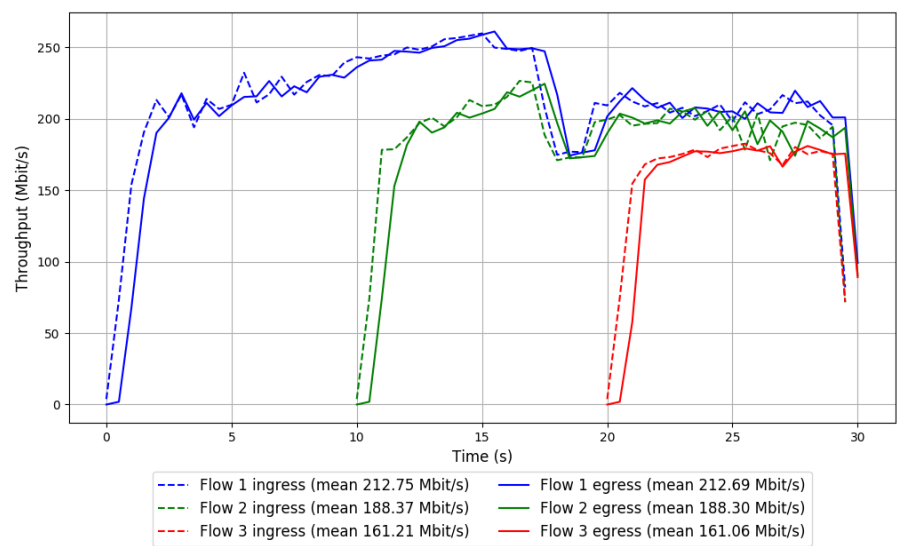
-- Flow 3:

Average throughput: 161.06 Mbit/s

95th percentile per-packet one-way delay: 58.004 ms

Loss rate: 0.07%

Run 10: Report of Indigo — Data Link

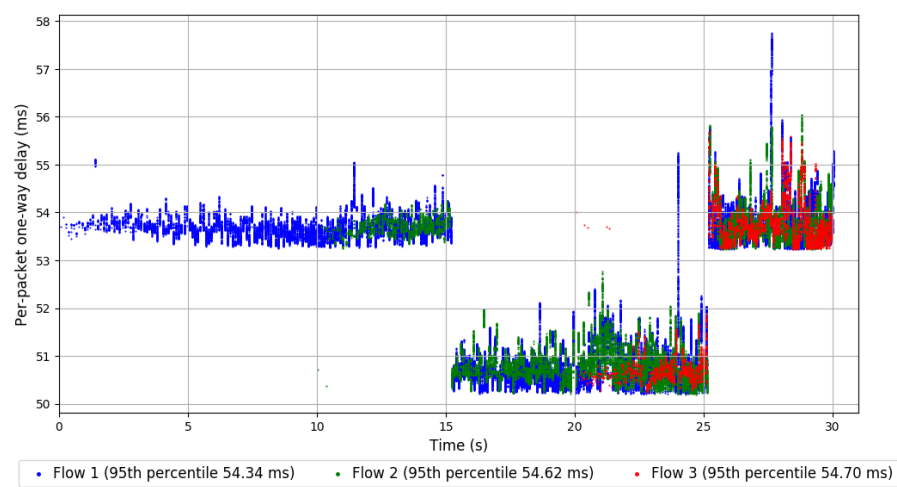
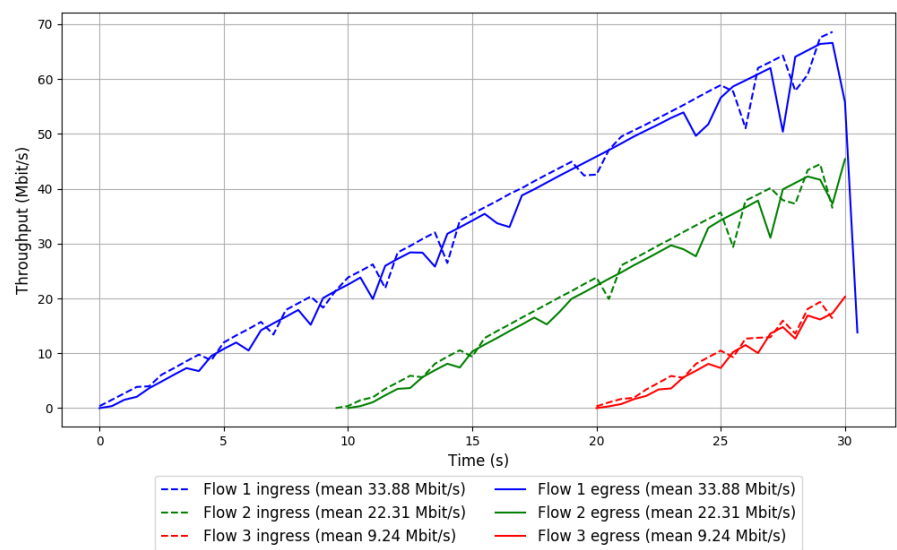


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-26 18:22:05
End at: 2018-07-26 18:22:35
Local clock offset: -0.137 ms
Remote clock offset: -0.257 ms

# Below is generated by plot.py at 2018-07-27 00:55:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.74 Mbit/s
95th percentile per-packet one-way delay: 54.436 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.88 Mbit/s
95th percentile per-packet one-way delay: 54.343 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 22.31 Mbit/s
95th percentile per-packet one-way delay: 54.620 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 54.698 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

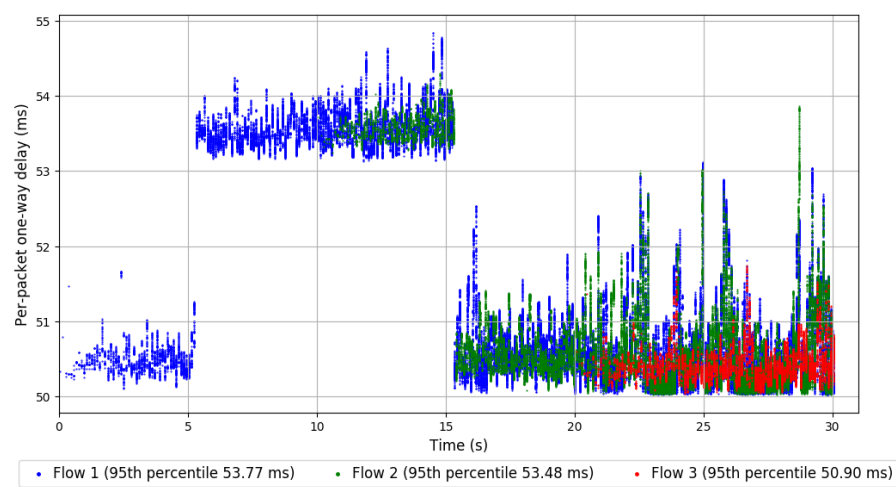
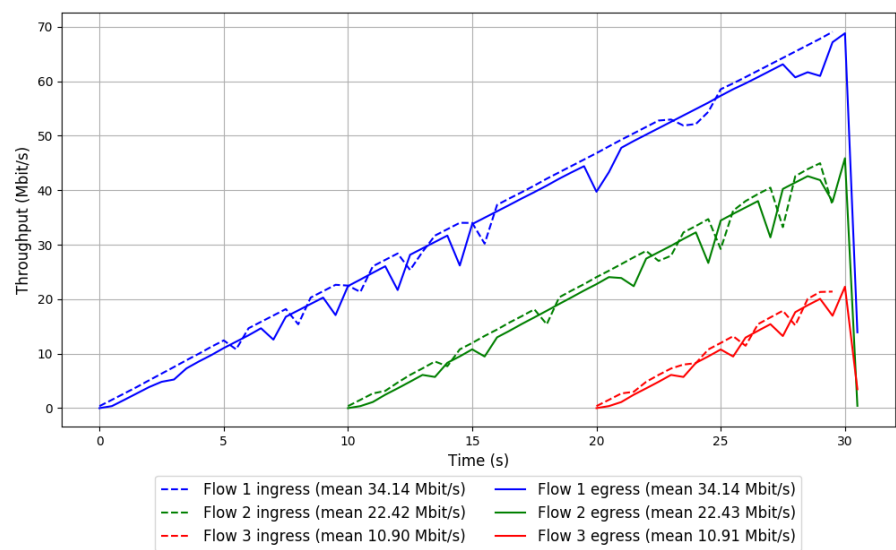


Run 2: Statistics of LEDBAT

Start at: 2018-07-26 18:46:45
End at: 2018-07-26 18:47:15
Local clock offset: -0.127 ms
Remote clock offset: -0.358 ms

Below is generated by plot.py at 2018-07-27 00:55:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.70 Mbit/s
95th percentile per-packet one-way delay: 53.695 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.14 Mbit/s
95th percentile per-packet one-way delay: 53.775 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 22.43 Mbit/s
95th percentile per-packet one-way delay: 53.476 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.91 Mbit/s
95th percentile per-packet one-way delay: 50.898 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

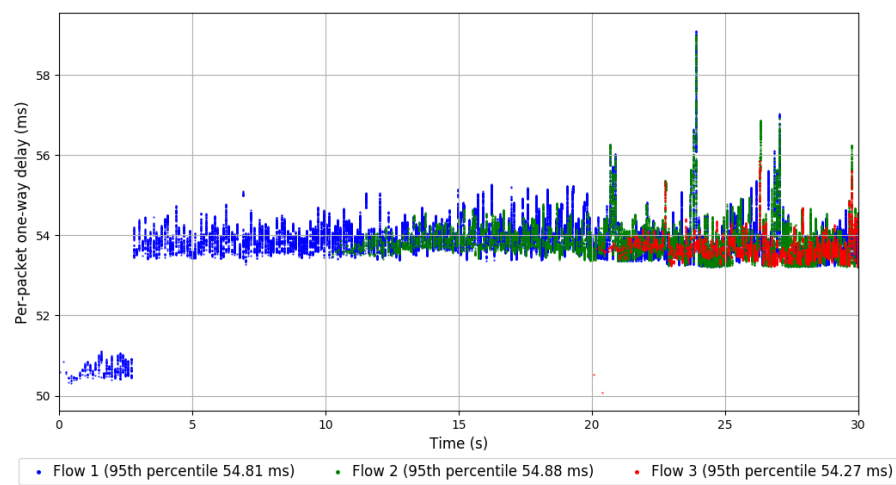
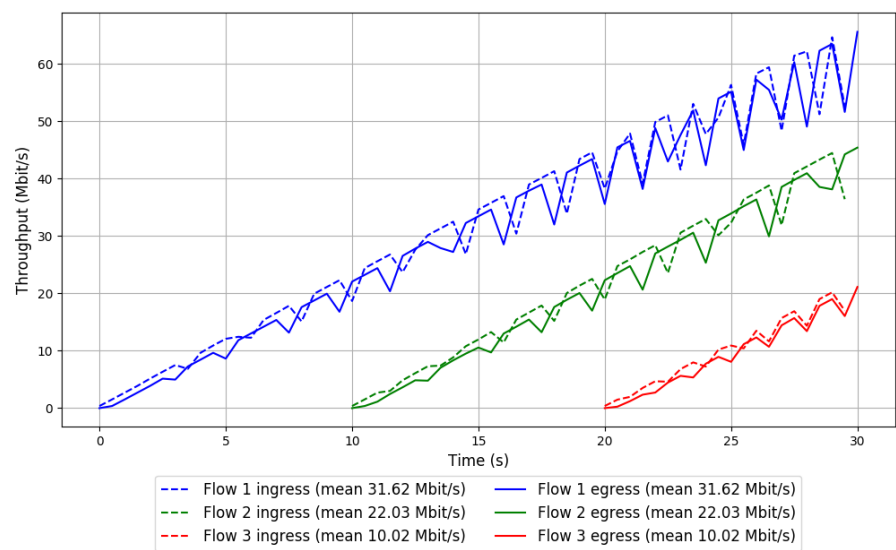


Run 3: Statistics of LEDBAT

Start at: 2018-07-26 19:11:57
End at: 2018-07-26 19:12:27
Local clock offset: -0.111 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-07-27 00:55:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.57 Mbit/s
95th percentile per-packet one-way delay: 54.791 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 54.809 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 22.03 Mbit/s
95th percentile per-packet one-way delay: 54.885 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.02 Mbit/s
95th percentile per-packet one-way delay: 54.269 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-26 19:36:36

End at: 2018-07-26 19:37:06

Local clock offset: 0.038 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-07-27 00:55:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.74 Mbit/s

95th percentile per-packet one-way delay: 54.345 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 27.64 Mbit/s

95th percentile per-packet one-way delay: 54.400 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.21 Mbit/s

95th percentile per-packet one-way delay: 54.260 ms

Loss rate: 0.00%

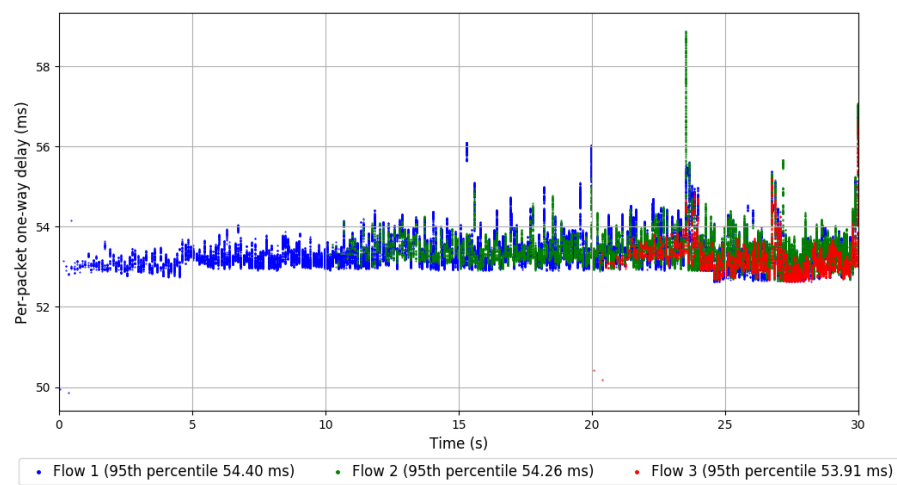
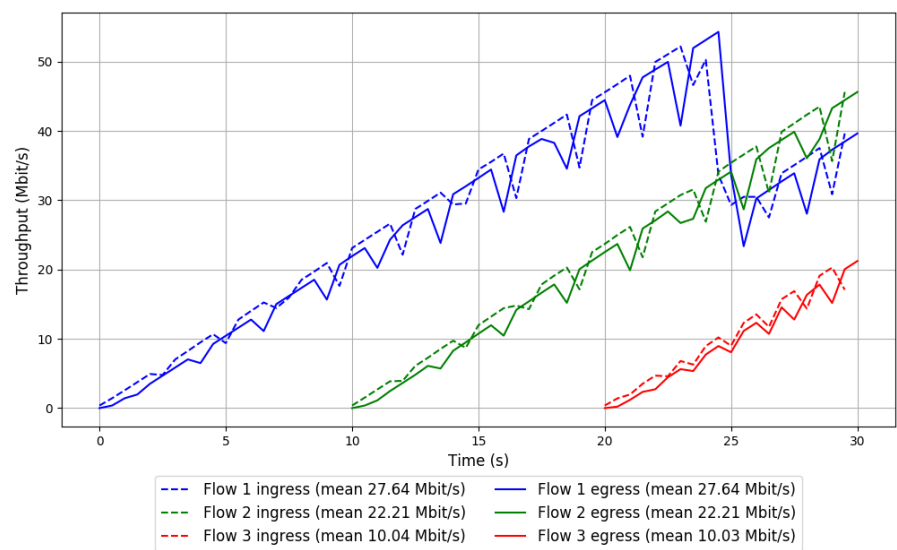
-- Flow 3:

Average throughput: 10.03 Mbit/s

95th percentile per-packet one-way delay: 53.909 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

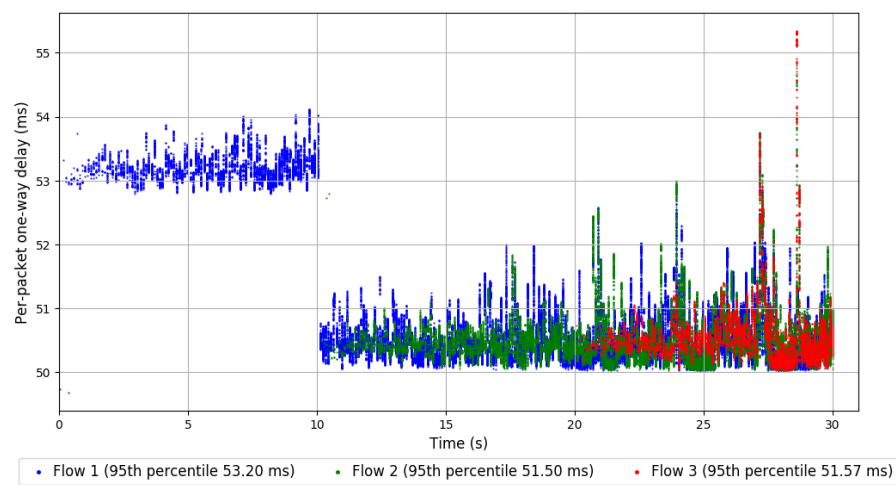
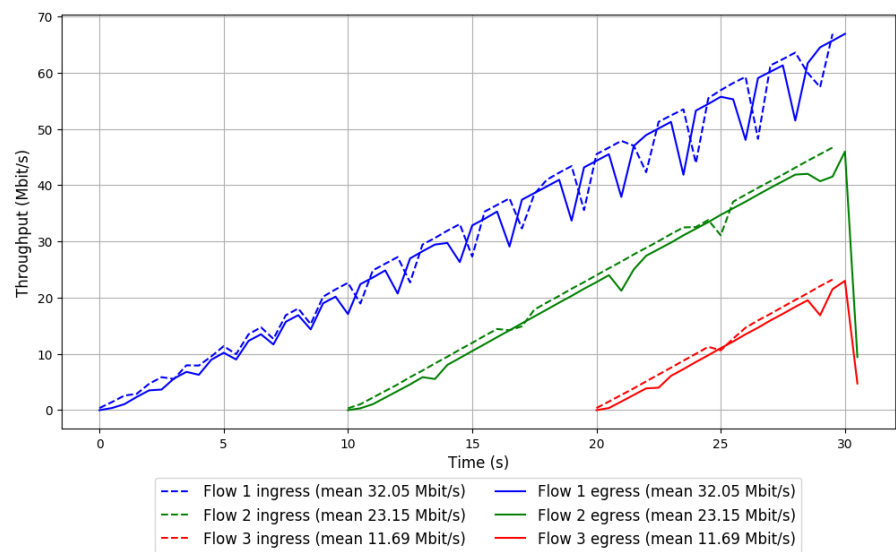


Run 5: Statistics of LEDBAT

Start at: 2018-07-26 20:01:00
End at: 2018-07-26 20:01:30
Local clock offset: 0.203 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2018-07-27 00:55:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.33 Mbit/s
95th percentile per-packet one-way delay: 53.076 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.05 Mbit/s
95th percentile per-packet one-way delay: 53.203 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.15 Mbit/s
95th percentile per-packet one-way delay: 51.499 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.69 Mbit/s
95th percentile per-packet one-way delay: 51.571 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-26 20:25:31

End at: 2018-07-26 20:26:01

Local clock offset: 0.193 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-07-27 00:55:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.95 Mbit/s

95th percentile per-packet one-way delay: 53.870 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 32.74 Mbit/s

95th percentile per-packet one-way delay: 53.729 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.38 Mbit/s

95th percentile per-packet one-way delay: 54.080 ms

Loss rate: 0.00%

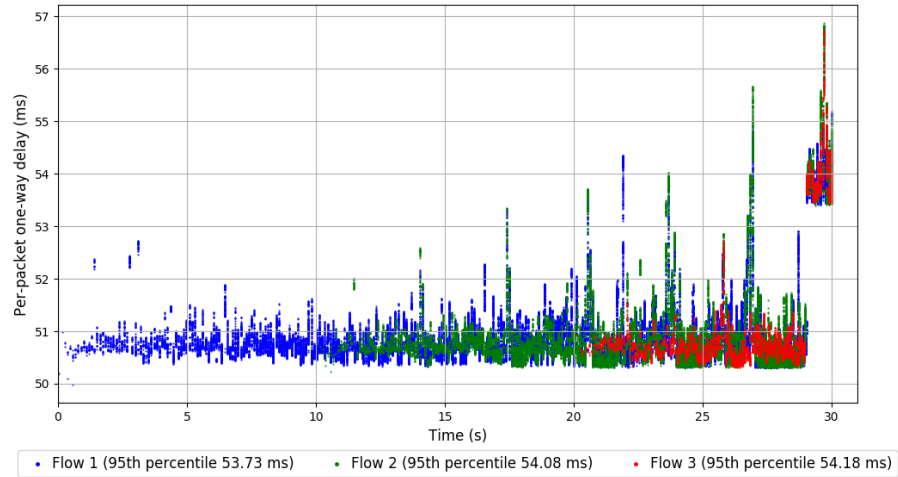
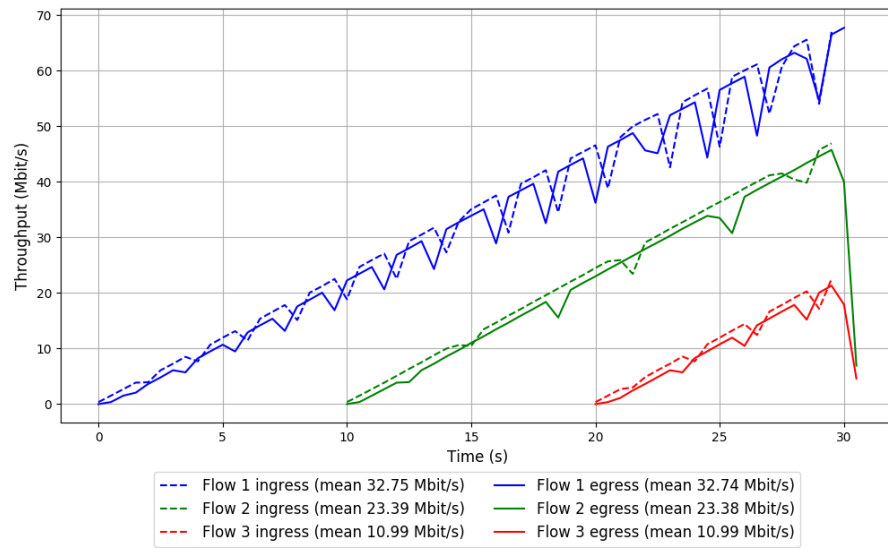
-- Flow 3:

Average throughput: 10.99 Mbit/s

95th percentile per-packet one-way delay: 54.183 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-26 20:50:32

End at: 2018-07-26 20:51:02

Local clock offset: 0.095 ms

Remote clock offset: 1.067 ms

Below is generated by plot.py at 2018-07-27 00:55:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.03 Mbit/s

95th percentile per-packet one-way delay: 55.631 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 31.39 Mbit/s

95th percentile per-packet one-way delay: 55.606 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.39 Mbit/s

95th percentile per-packet one-way delay: 55.705 ms

Loss rate: 0.00%

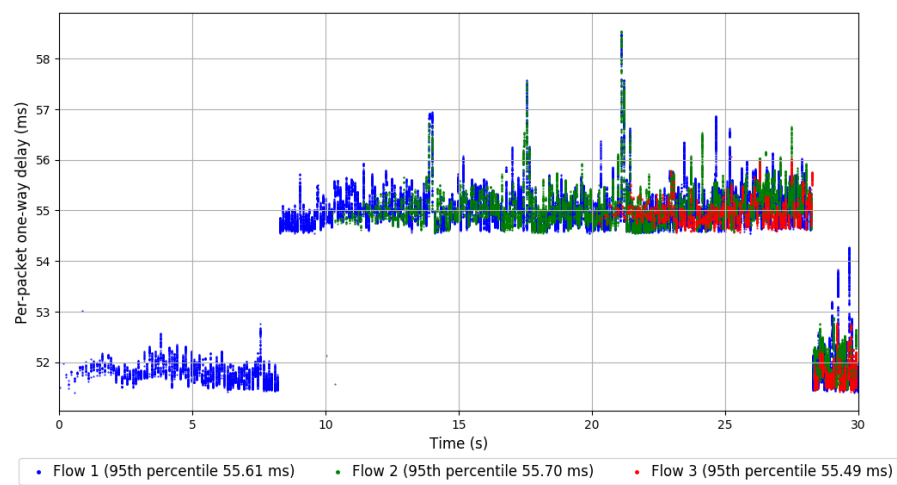
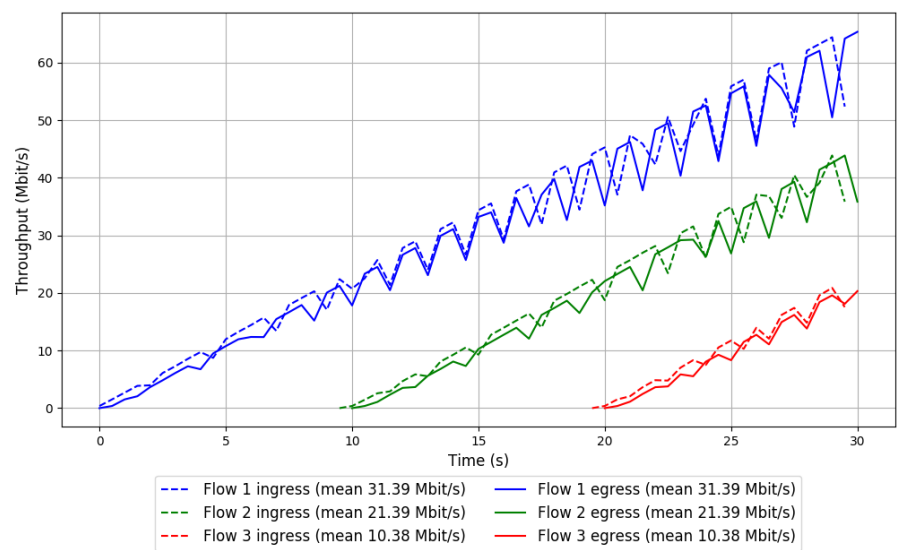
-- Flow 3:

Average throughput: 10.38 Mbit/s

95th percentile per-packet one-way delay: 55.488 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-26 21:15:18

End at: 2018-07-26 21:15:48

Local clock offset: -0.135 ms

Remote clock offset: 1.202 ms

Below is generated by plot.py at 2018-07-27 00:55:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.60 Mbit/s

95th percentile per-packet one-way delay: 55.469 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 31.65 Mbit/s

95th percentile per-packet one-way delay: 55.554 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.31 Mbit/s

95th percentile per-packet one-way delay: 55.155 ms

Loss rate: 0.00%

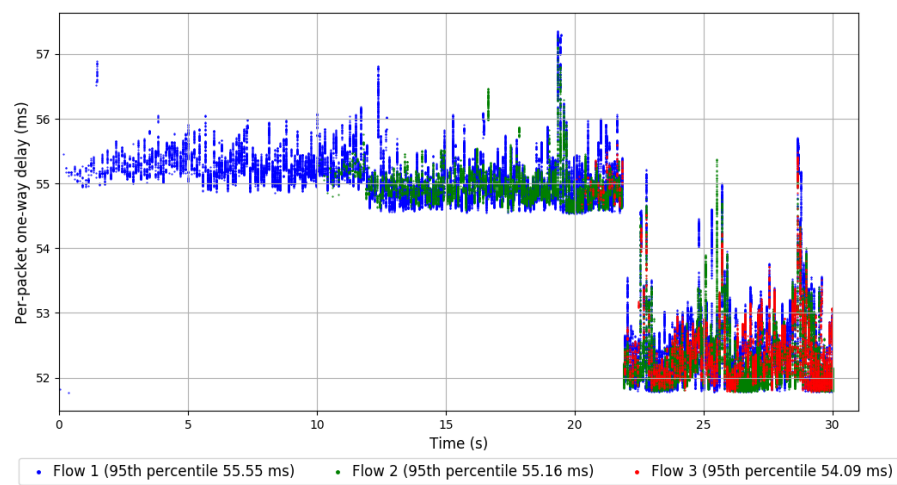
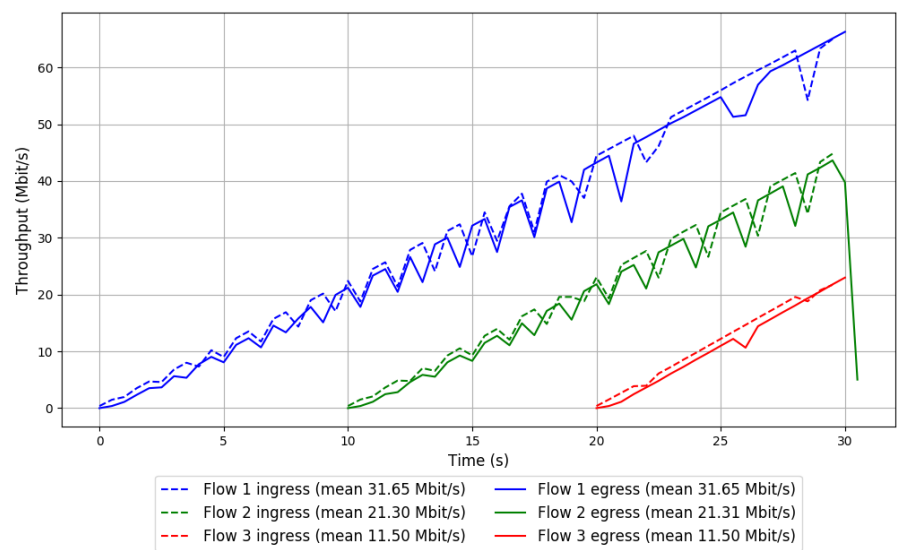
-- Flow 3:

Average throughput: 11.50 Mbit/s

95th percentile per-packet one-way delay: 54.095 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

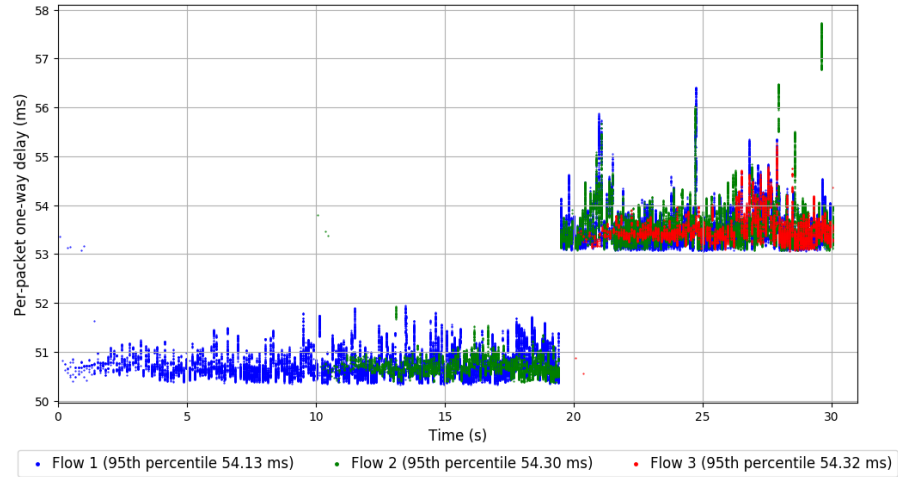
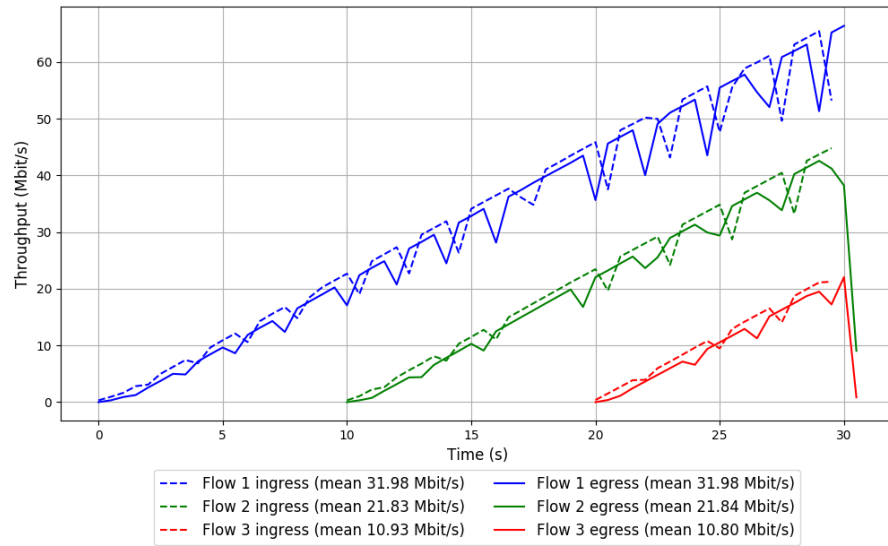


Run 9: Statistics of LEDBAT

Start at: 2018-07-26 21:40:11
End at: 2018-07-26 21:40:41
Local clock offset: -0.06 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-07-27 00:55:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.02 Mbit/s
95th percentile per-packet one-way delay: 54.200 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 31.98 Mbit/s
95th percentile per-packet one-way delay: 54.129 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.84 Mbit/s
95th percentile per-packet one-way delay: 54.297 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.80 Mbit/s
95th percentile per-packet one-way delay: 54.323 ms
Loss rate: 1.23%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-26 22:05:17

End at: 2018-07-26 22:05:47

Local clock offset: -0.053 ms

Remote clock offset: 1.242 ms

Below is generated by plot.py at 2018-07-27 00:55:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.99 Mbit/s

95th percentile per-packet one-way delay: 55.877 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 30.17 Mbit/s

95th percentile per-packet one-way delay: 55.852 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 11.38 Mbit/s

95th percentile per-packet one-way delay: 56.312 ms

Loss rate: 0.10%

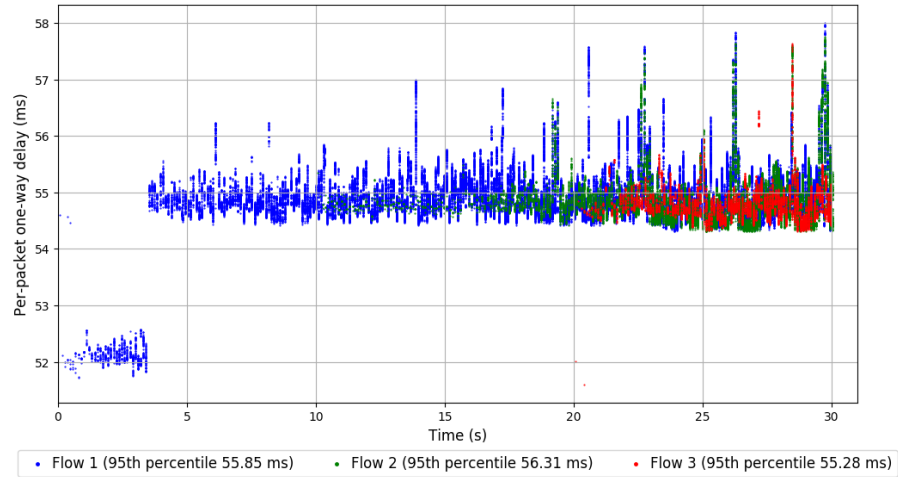
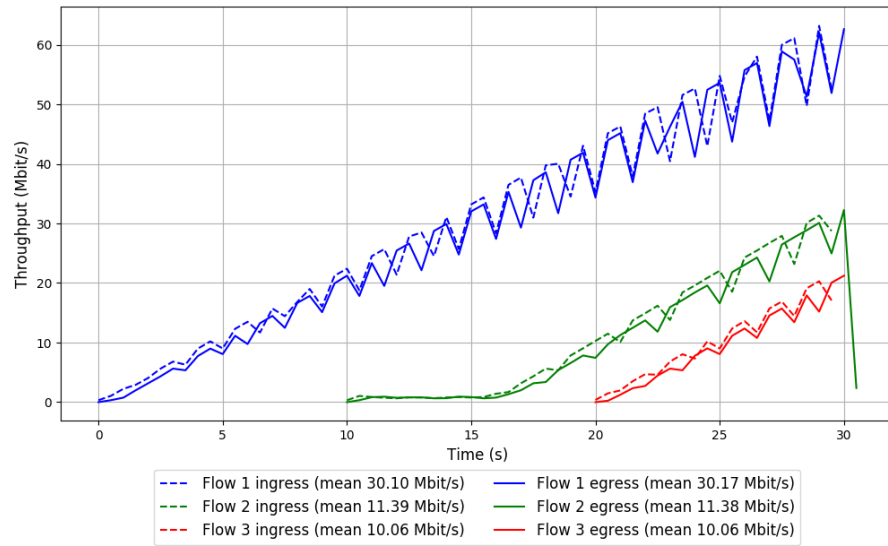
-- Flow 3:

Average throughput: 10.06 Mbit/s

95th percentile per-packet one-way delay: 55.279 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

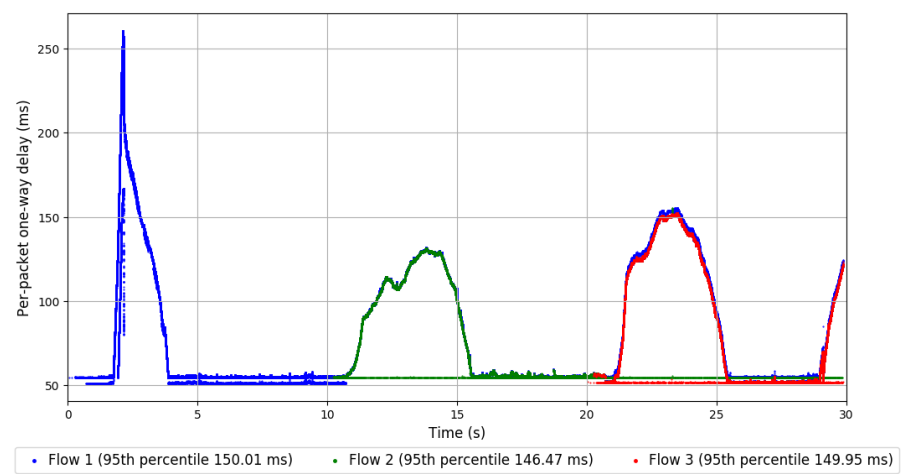
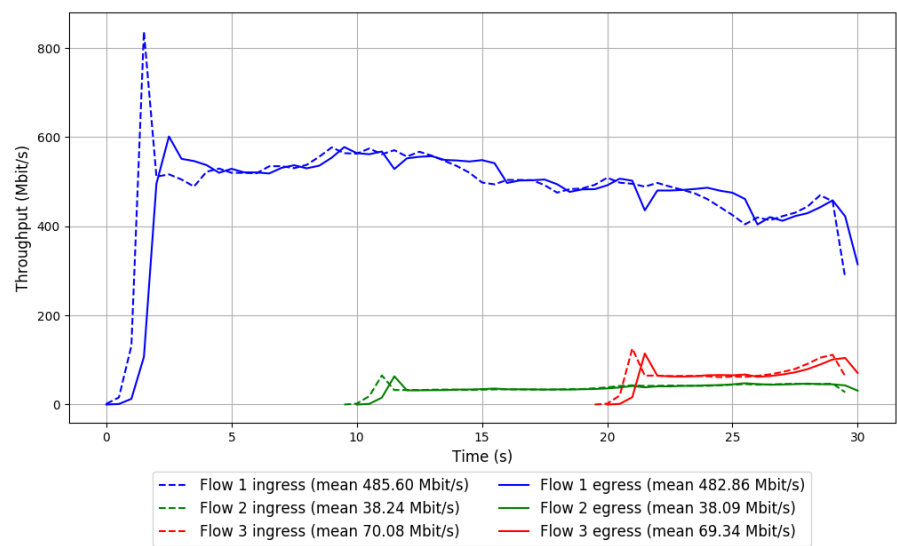


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-26 18:29:49
End at: 2018-07-26 18:30:19
Local clock offset: -0.214 ms
Remote clock offset: 1.098 ms

# Below is generated by plot.py at 2018-07-27 01:00:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 531.07 Mbit/s
95th percentile per-packet one-way delay: 149.845 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 482.86 Mbit/s
95th percentile per-packet one-way delay: 150.007 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 38.09 Mbit/s
95th percentile per-packet one-way delay: 146.472 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 69.34 Mbit/s
95th percentile per-packet one-way delay: 149.953 ms
Loss rate: 1.01%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-26 18:54:24

End at: 2018-07-26 18:54:54

Local clock offset: -0.356 ms

Remote clock offset: 0.244 ms

Below is generated by plot.py at 2018-07-27 01:01:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 538.25 Mbit/s

95th percentile per-packet one-way delay: 182.427 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 500.76 Mbit/s

95th percentile per-packet one-way delay: 182.316 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 54.42 Mbit/s

95th percentile per-packet one-way delay: 183.424 ms

Loss rate: 1.08%

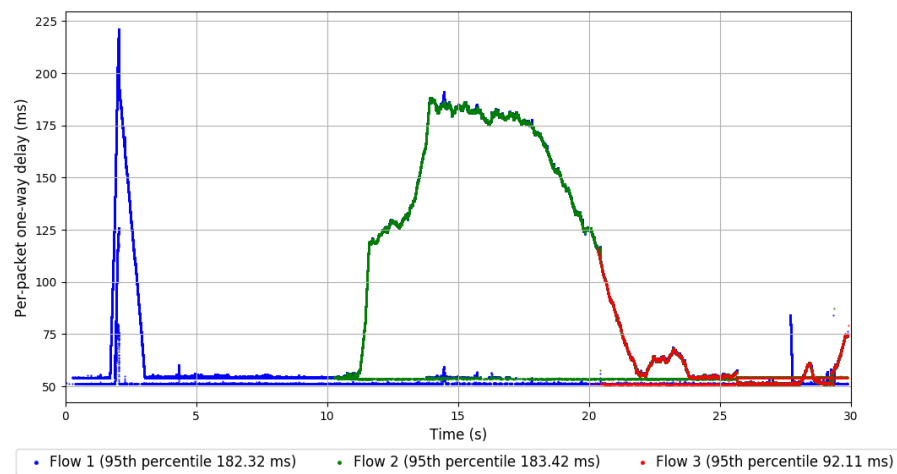
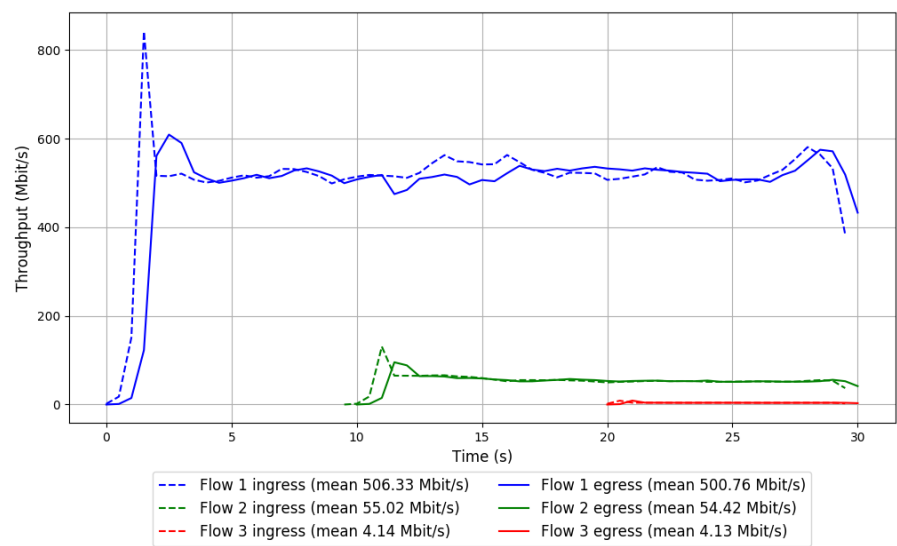
-- Flow 3:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 92.110 ms

Loss rate: 0.15%

Run 2: Report of PCC-Allegro — Data Link

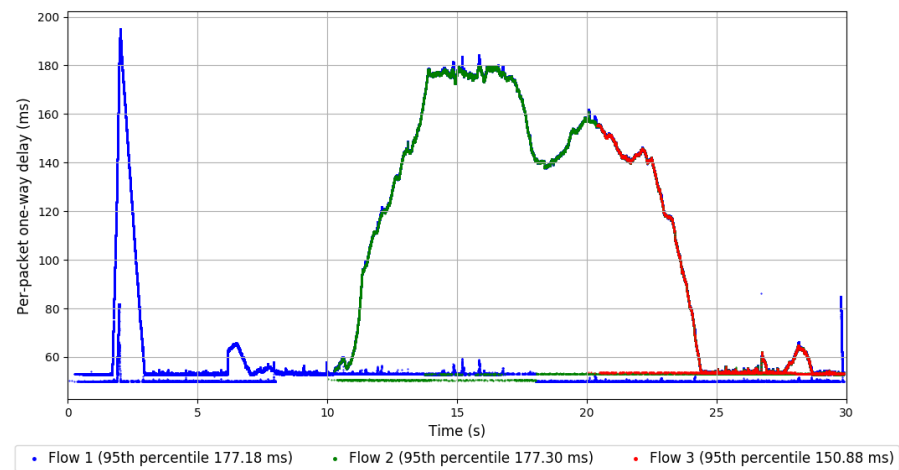
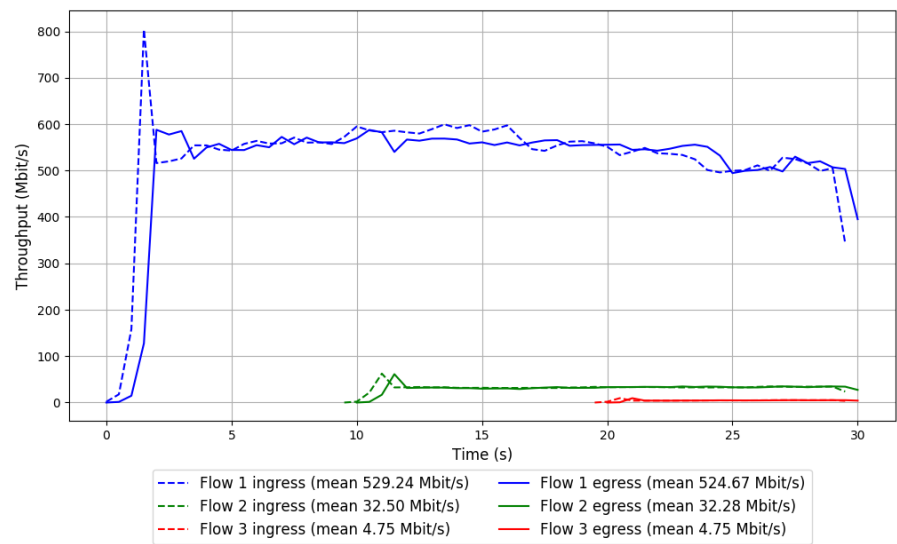


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-26 19:19:32
End at: 2018-07-26 19:20:02
Local clock offset: -0.022 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-27 01:01:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 547.71 Mbit/s
95th percentile per-packet one-way delay: 177.178 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 524.67 Mbit/s
95th percentile per-packet one-way delay: 177.183 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 32.28 Mbit/s
95th percentile per-packet one-way delay: 177.299 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 4.75 Mbit/s
95th percentile per-packet one-way delay: 150.875 ms
Loss rate: 0.03%

Run 3: Report of PCC-Allegro — Data Link

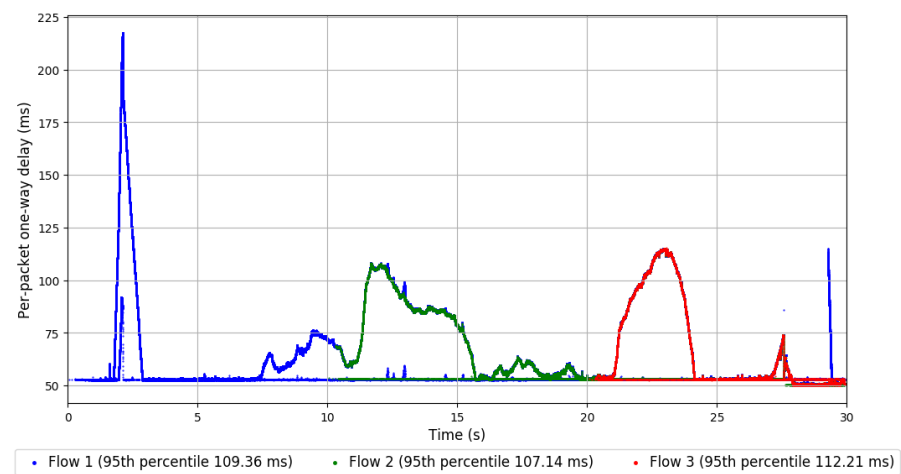
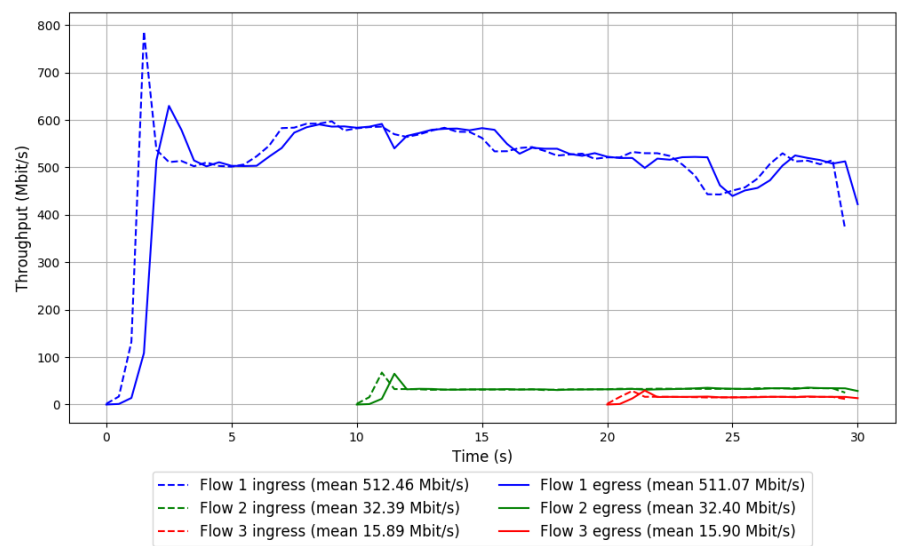


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-26 19:44:22
End at: 2018-07-26 19:44:53
Local clock offset: -0.076 ms
Remote clock offset: -0.294 ms

Below is generated by plot.py at 2018-07-27 01:01:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 537.84 Mbit/s
95th percentile per-packet one-way delay: 109.289 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 511.07 Mbit/s
95th percentile per-packet one-way delay: 109.356 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 32.40 Mbit/s
95th percentile per-packet one-way delay: 107.136 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.90 Mbit/s
95th percentile per-packet one-way delay: 112.209 ms
Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-26 20:08:34

End at: 2018-07-26 20:09:04

Local clock offset: 0.16 ms

Remote clock offset: 1.241 ms

Below is generated by plot.py at 2018-07-27 01:01:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 533.58 Mbit/s

95th percentile per-packet one-way delay: 191.682 ms

Loss rate: 3.83%

-- Flow 1:

Average throughput: 527.55 Mbit/s

95th percentile per-packet one-way delay: 191.678 ms

Loss rate: 3.82%

-- Flow 2:

Average throughput: 8.00 Mbit/s

95th percentile per-packet one-way delay: 191.964 ms

Loss rate: 4.85%

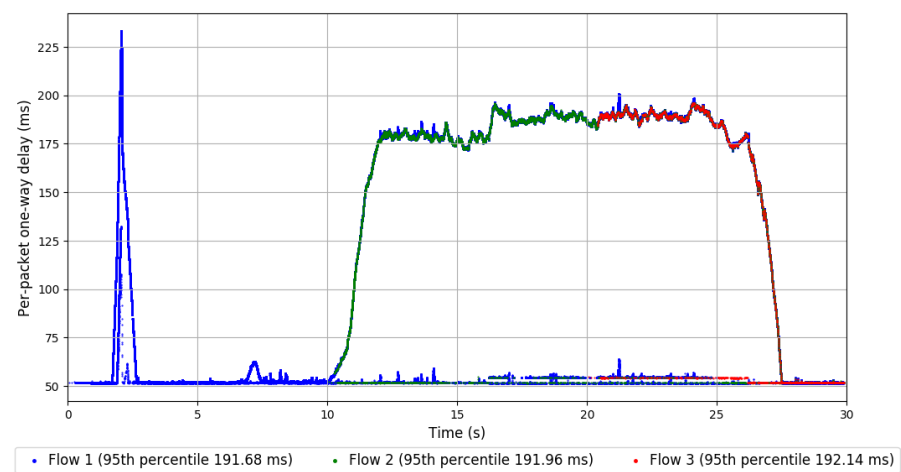
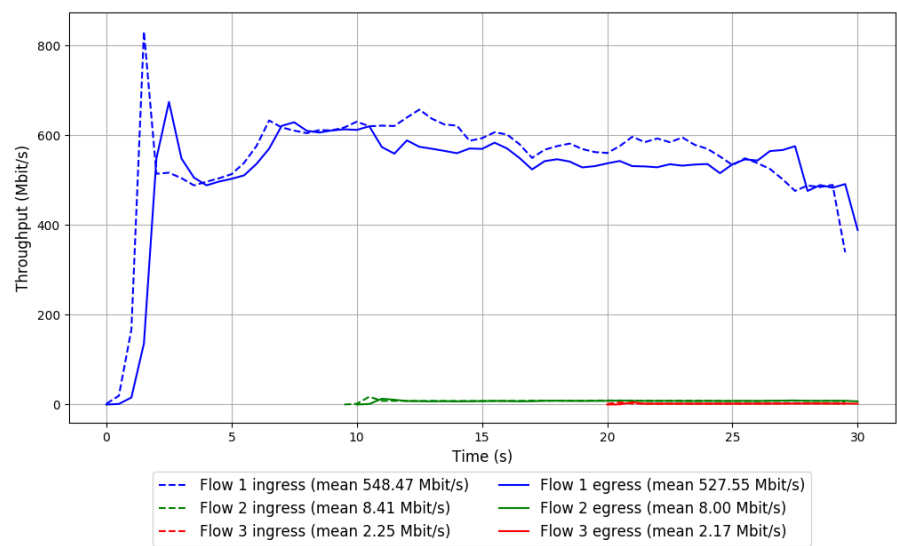
-- Flow 3:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 192.138 ms

Loss rate: 3.74%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-26 20:33:21

End at: 2018-07-26 20:33:51

Local clock offset: 0.114 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-07-27 01:05:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 537.93 Mbit/s

95th percentile per-packet one-way delay: 181.184 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 496.99 Mbit/s

95th percentile per-packet one-way delay: 181.204 ms

Loss rate: 0.95%

-- Flow 2:

Average throughput: 32.09 Mbit/s

95th percentile per-packet one-way delay: 181.870 ms

Loss rate: 1.02%

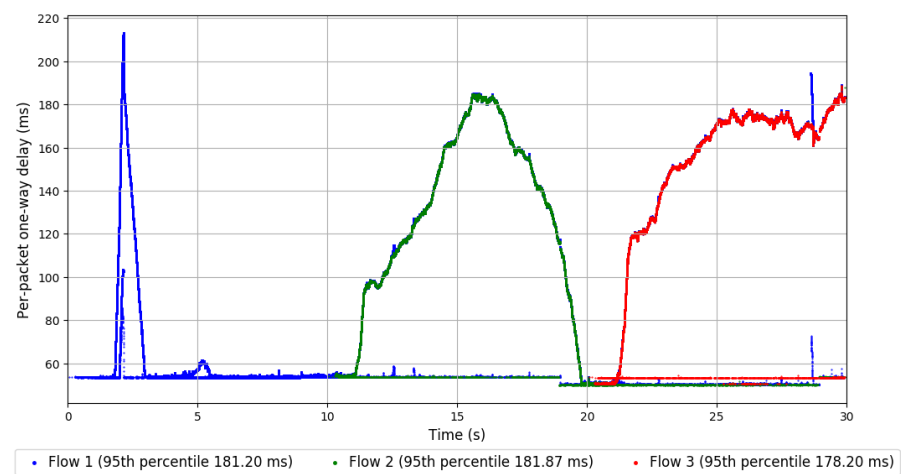
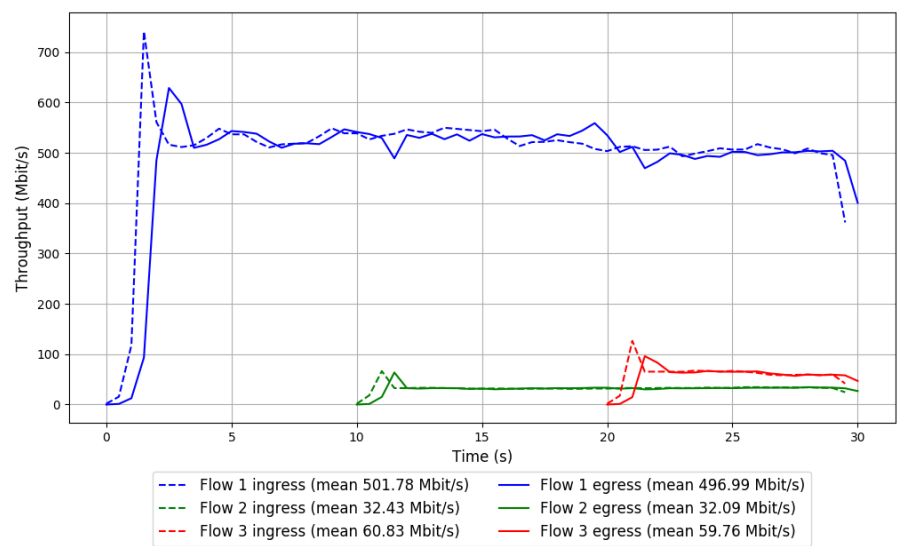
-- Flow 3:

Average throughput: 59.76 Mbit/s

95th percentile per-packet one-way delay: 178.200 ms

Loss rate: 1.75%

Run 6: Report of PCC-Allegro — Data Link

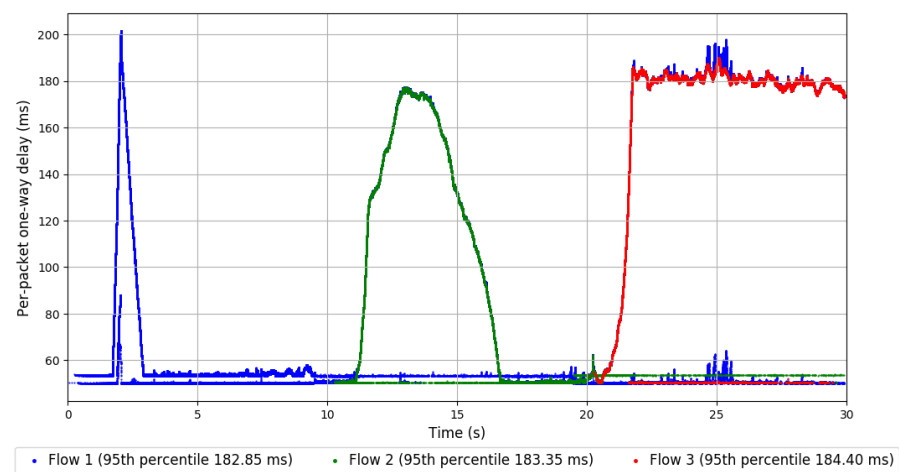
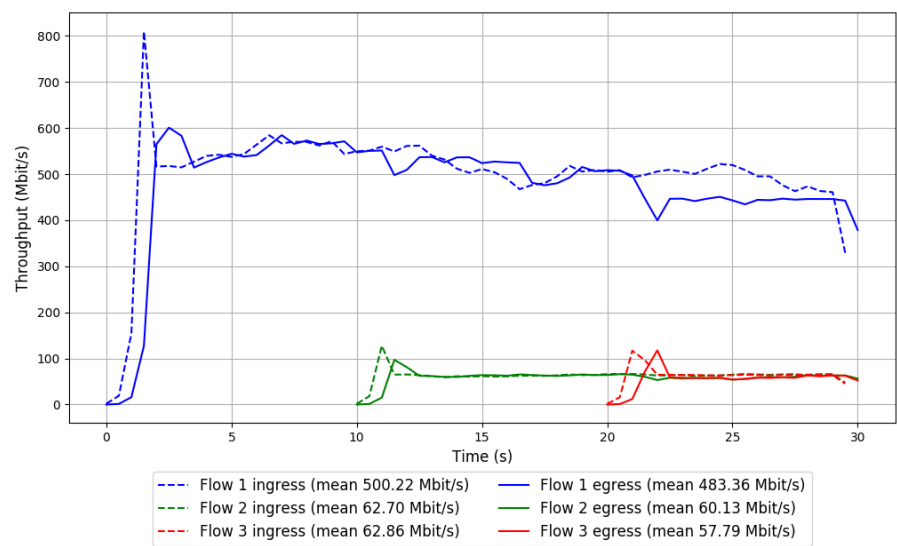


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-26 20:58:11
End at: 2018-07-26 20:58:41
Local clock offset: -0.012 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-07-27 01:06:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 542.35 Mbit/s
95th percentile per-packet one-way delay: 183.068 ms
Loss rate: 3.59%
-- Flow 1:
Average throughput: 483.36 Mbit/s
95th percentile per-packet one-way delay: 182.849 ms
Loss rate: 3.36%
-- Flow 2:
Average throughput: 60.13 Mbit/s
95th percentile per-packet one-way delay: 183.350 ms
Loss rate: 4.09%
-- Flow 3:
Average throughput: 57.79 Mbit/s
95th percentile per-packet one-way delay: 184.404 ms
Loss rate: 8.07%

Run 7: Report of PCC-Allegro — Data Link

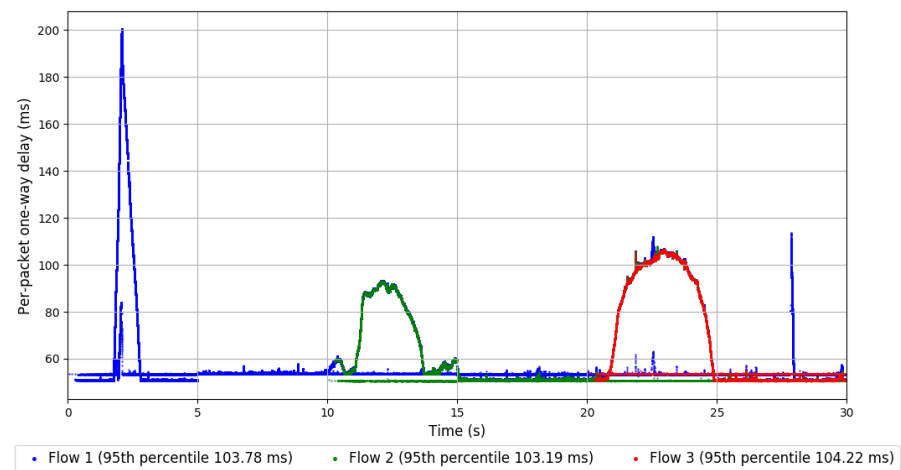
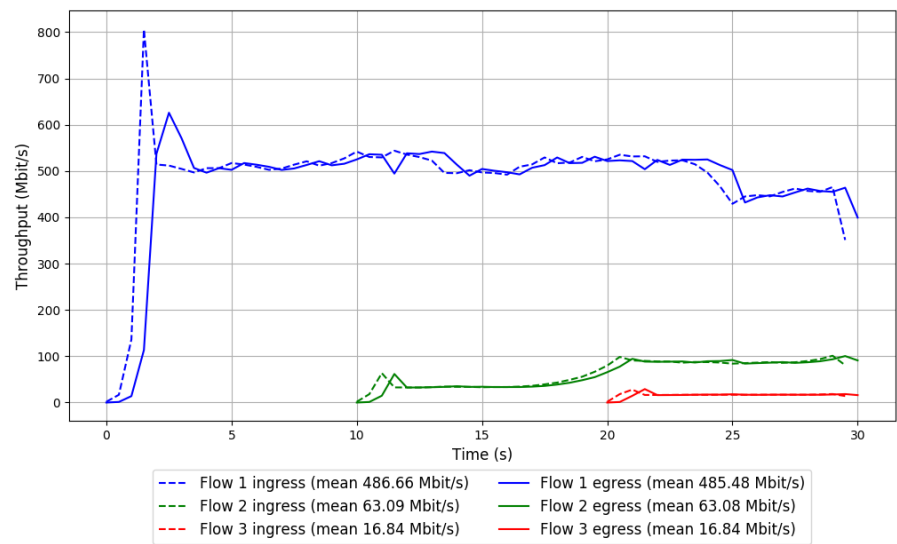


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-26 21:23:05
End at: 2018-07-26 21:23:35
Local clock offset: -0.19 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-27 01:08:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 532.97 Mbit/s
95th percentile per-packet one-way delay: 103.718 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 485.48 Mbit/s
95th percentile per-packet one-way delay: 103.779 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 63.08 Mbit/s
95th percentile per-packet one-way delay: 103.186 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.84 Mbit/s
95th percentile per-packet one-way delay: 104.222 ms
Loss rate: 0.00%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-26 21:48:07

End at: 2018-07-26 21:48:37

Local clock offset: -0.139 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-27 01:12:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 547.49 Mbit/s

95th percentile per-packet one-way delay: 184.081 ms

Loss rate: 2.16%

-- Flow 1:

Average throughput: 491.98 Mbit/s

95th percentile per-packet one-way delay: 184.128 ms

Loss rate: 2.22%

-- Flow 2:

Average throughput: 66.37 Mbit/s

95th percentile per-packet one-way delay: 184.047 ms

Loss rate: 1.98%

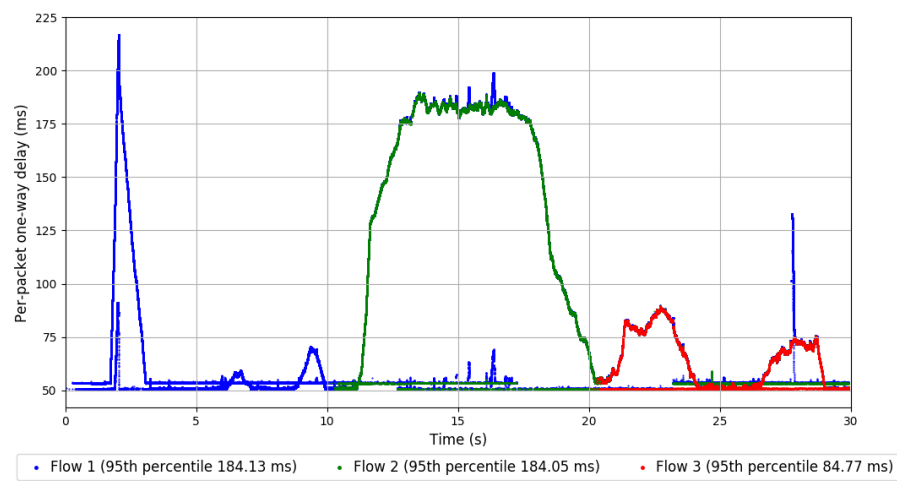
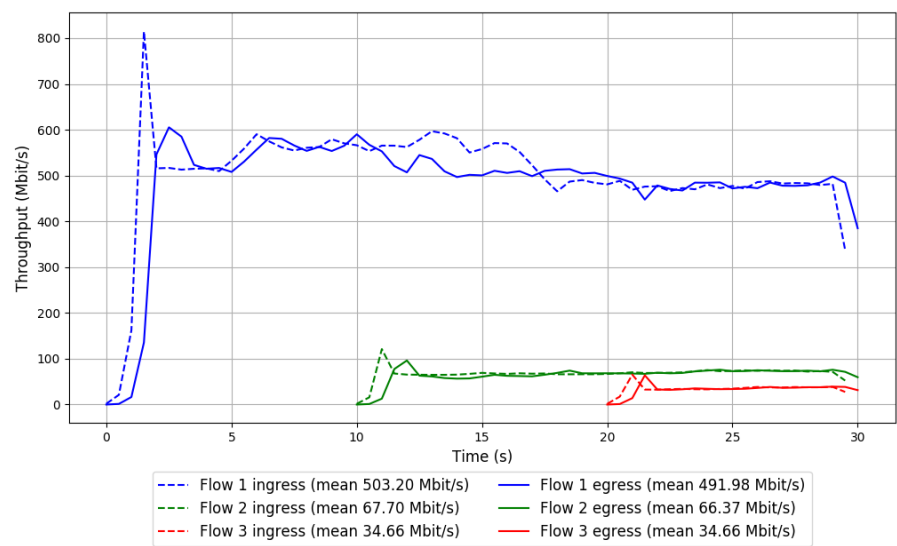
-- Flow 3:

Average throughput: 34.66 Mbit/s

95th percentile per-packet one-way delay: 84.773 ms

Loss rate: 0.00%

Run 9: Report of PCC-Allegro — Data Link

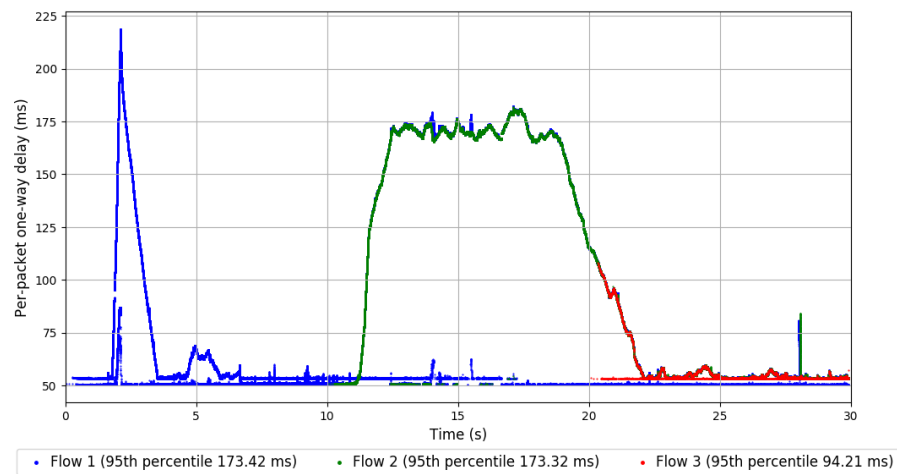
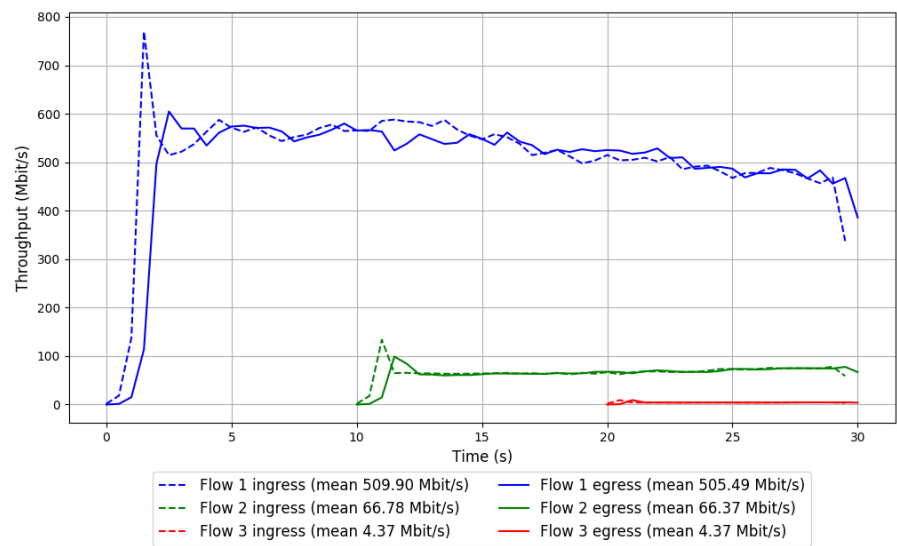


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-26 22:12:54
End at: 2018-07-26 22:13:24
Local clock offset: -0.239 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2018-07-27 01:13:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 550.96 Mbit/s
95th percentile per-packet one-way delay: 173.399 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 505.49 Mbit/s
95th percentile per-packet one-way delay: 173.417 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 66.37 Mbit/s
95th percentile per-packet one-way delay: 173.325 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 94.210 ms
Loss rate: 0.00%

Run 10: Report of PCC-Allegro — Data Link

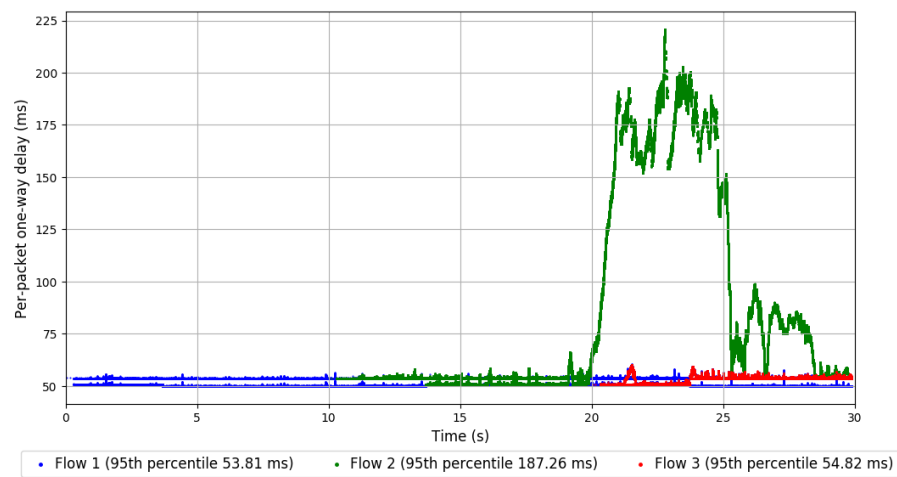
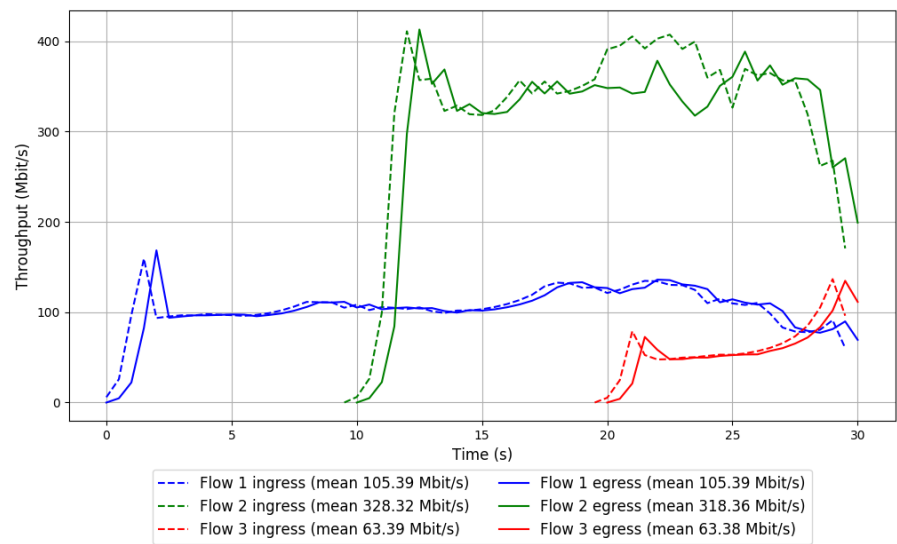


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-26 18:31:16
End at: 2018-07-26 18:31:46
Local clock offset: -0.145 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-07-27 01:14:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 338.38 Mbit/s
95th percentile per-packet one-way delay: 180.861 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 105.39 Mbit/s
95th percentile per-packet one-way delay: 53.815 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 318.36 Mbit/s
95th percentile per-packet one-way delay: 187.260 ms
Loss rate: 3.04%
-- Flow 3:
Average throughput: 63.38 Mbit/s
95th percentile per-packet one-way delay: 54.820 ms
Loss rate: 0.00%
```


Run 1: Report of PCC-Expr — Data Link

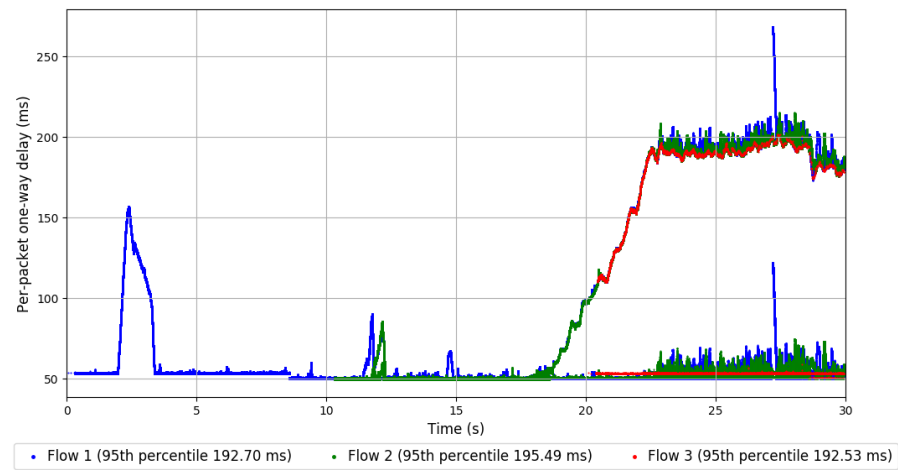
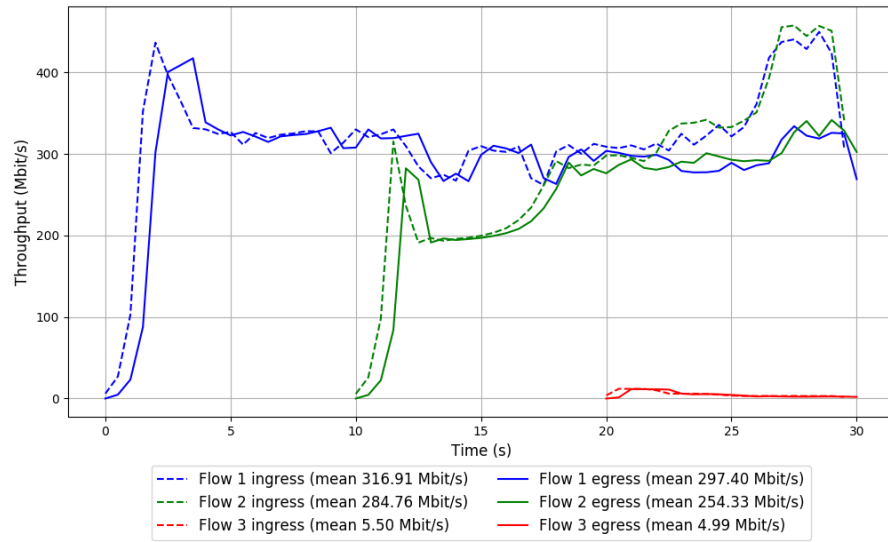


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-26 18:55:52
End at: 2018-07-26 18:56:22
Local clock offset: -0.229 ms
Remote clock offset: -0.155 ms

# Below is generated by plot.py at 2018-07-27 01:20:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 468.19 Mbit/s
95th percentile per-packet one-way delay: 193.919 ms
Loss rate: 7.84%
-- Flow 1:
Average throughput: 297.40 Mbit/s
95th percentile per-packet one-way delay: 192.703 ms
Loss rate: 6.15%
-- Flow 2:
Average throughput: 254.33 Mbit/s
95th percentile per-packet one-way delay: 195.485 ms
Loss rate: 10.66%
-- Flow 3:
Average throughput: 4.99 Mbit/s
95th percentile per-packet one-way delay: 192.530 ms
Loss rate: 9.10%
```

Run 2: Report of PCC-Expr — Data Link

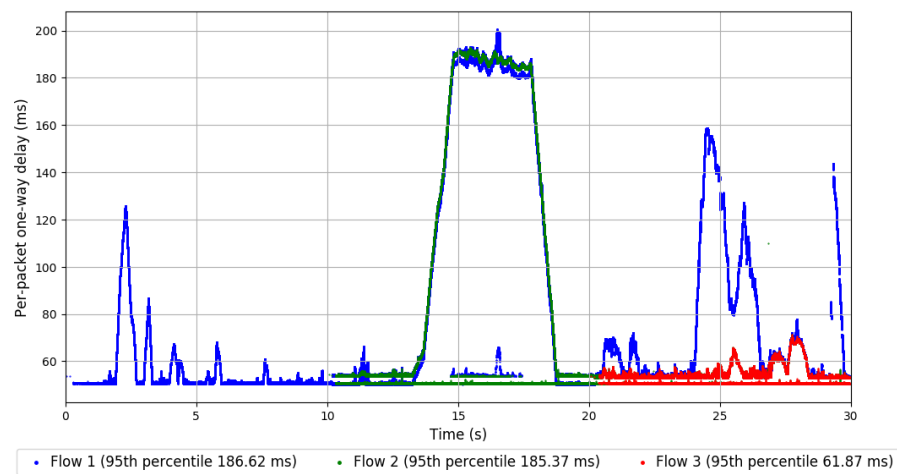
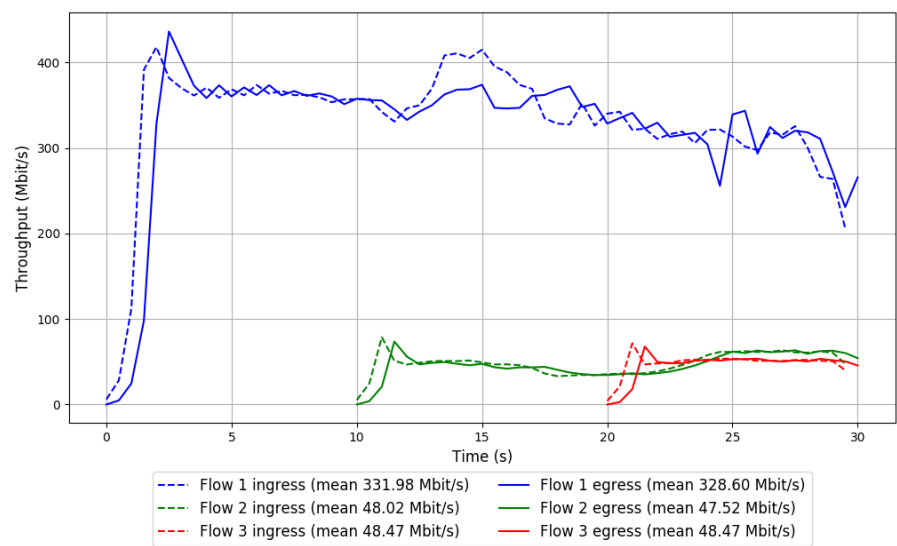


```
Run 3: Statistics of PCC-Expr

Start at: 2018-07-26 19:21:00
End at: 2018-07-26 19:21:30
Local clock offset: -0.125 ms
Remote clock offset: 0.175 ms

# Below is generated by plot.py at 2018-07-27 01:20:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 376.18 Mbit/s
95th percentile per-packet one-way delay: 186.420 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 328.60 Mbit/s
95th percentile per-packet one-way delay: 186.622 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 47.52 Mbit/s
95th percentile per-packet one-way delay: 185.374 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 48.47 Mbit/s
95th percentile per-packet one-way delay: 61.866 ms
Loss rate: 0.01%
```

Run 3: Report of PCC-Expr — Data Link

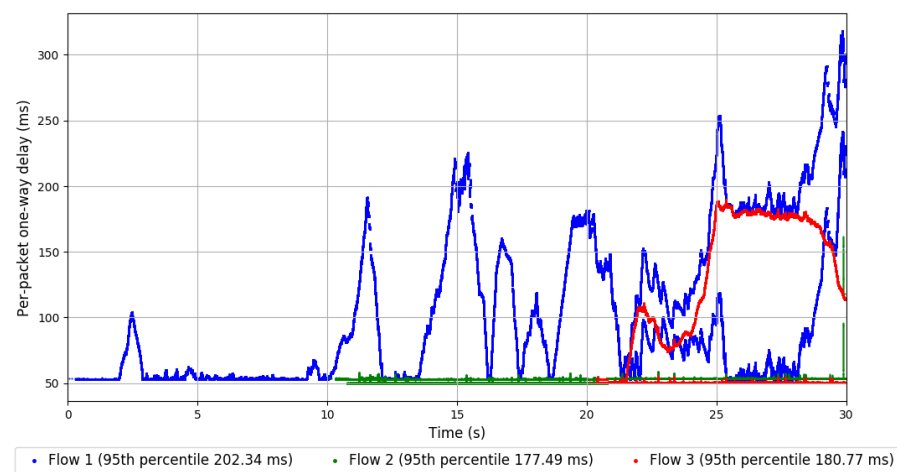
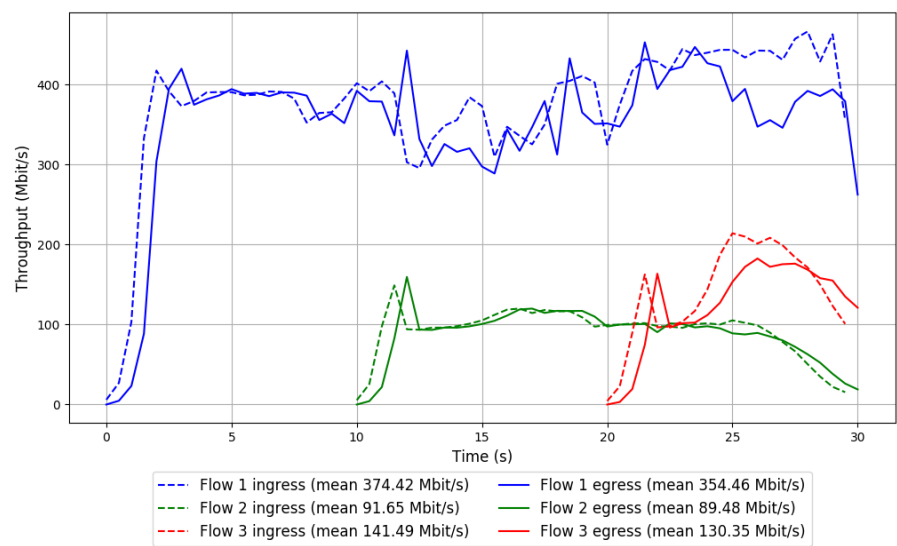


Run 4: Statistics of PCC-Expr

Start at: 2018-07-26 19:45:49
End at: 2018-07-26 19:46:19
Local clock offset: -0.016 ms
Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-07-27 01:23:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 456.87 Mbit/s
95th percentile per-packet one-way delay: 190.054 ms
Loss rate: 5.19%
-- Flow 1:
Average throughput: 354.46 Mbit/s
95th percentile per-packet one-way delay: 202.339 ms
Loss rate: 5.33%
-- Flow 2:
Average throughput: 89.48 Mbit/s
95th percentile per-packet one-way delay: 177.487 ms
Loss rate: 2.35%
-- Flow 3:
Average throughput: 130.35 Mbit/s
95th percentile per-packet one-way delay: 180.769 ms
Loss rate: 7.83%

Run 4: Report of PCC-Expr — Data Link

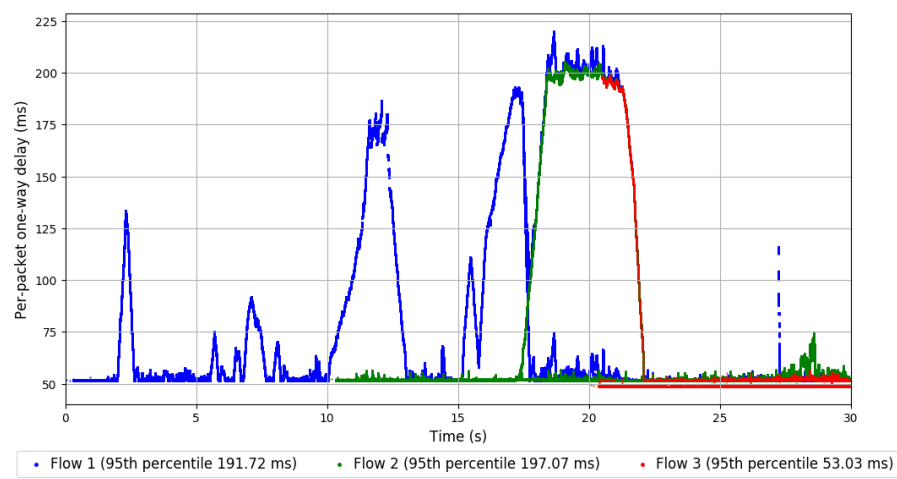
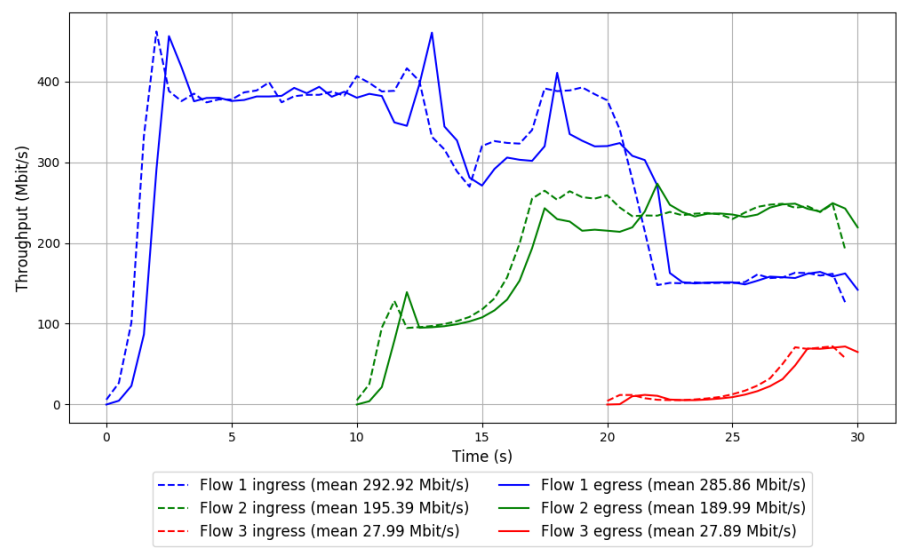


Run 5: Statistics of PCC-Expr

Start at: 2018-07-26 20:10:01
End at: 2018-07-26 20:10:31
Local clock offset: 0.049 ms
Remote clock offset: -1.388 ms

Below is generated by plot.py at 2018-07-27 01:23:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 421.38 Mbit/s
95th percentile per-packet one-way delay: 194.832 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 285.86 Mbit/s
95th percentile per-packet one-way delay: 191.717 ms
Loss rate: 2.42%
-- Flow 2:
Average throughput: 189.99 Mbit/s
95th percentile per-packet one-way delay: 197.069 ms
Loss rate: 2.78%
-- Flow 3:
Average throughput: 27.89 Mbit/s
95th percentile per-packet one-way delay: 53.026 ms
Loss rate: 0.34%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-26 20:34:48

End at: 2018-07-26 20:35:18

Local clock offset: 0.048 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-07-27 01:33:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 518.04 Mbit/s

95th percentile per-packet one-way delay: 211.880 ms

Loss rate: 21.24%

-- Flow 1:

Average throughput: 304.85 Mbit/s

95th percentile per-packet one-way delay: 213.927 ms

Loss rate: 18.38%

-- Flow 2:

Average throughput: 318.05 Mbit/s

95th percentile per-packet one-way delay: 210.751 ms

Loss rate: 24.99%

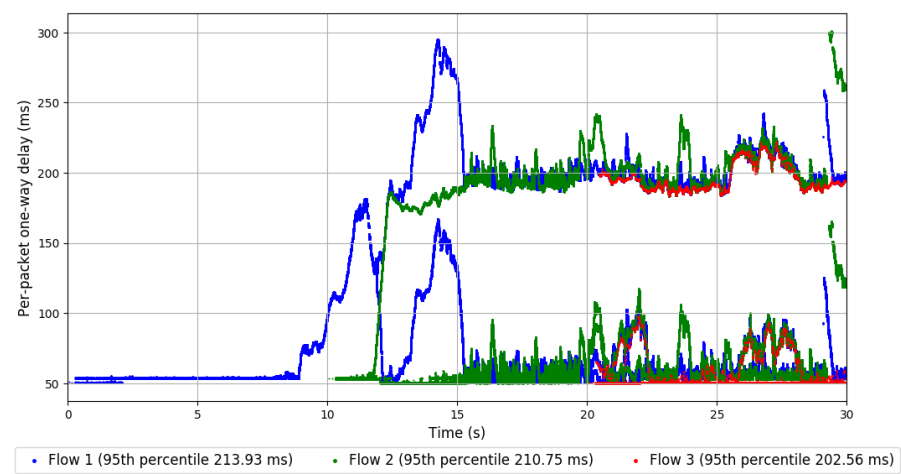
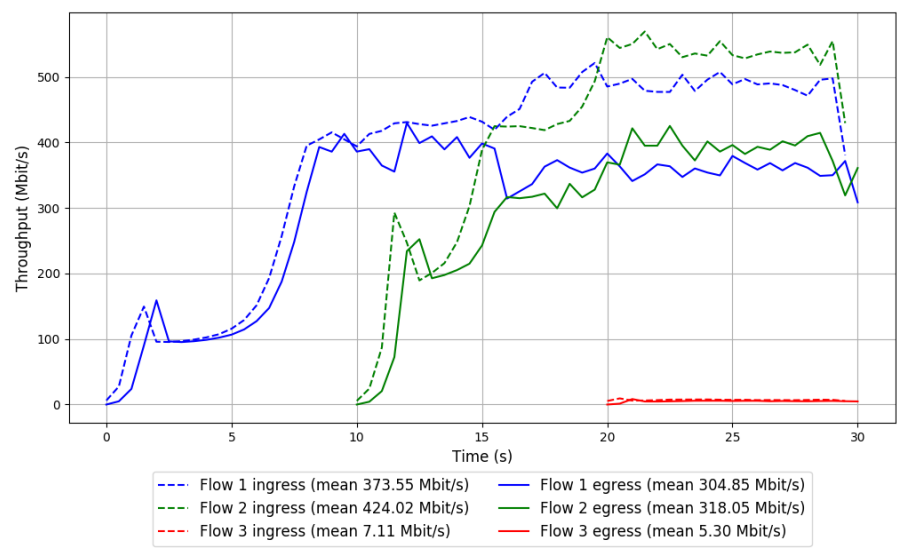
-- Flow 3:

Average throughput: 5.30 Mbit/s

95th percentile per-packet one-way delay: 202.561 ms

Loss rate: 25.46%

Run 6: Report of PCC-Expr — Data Link

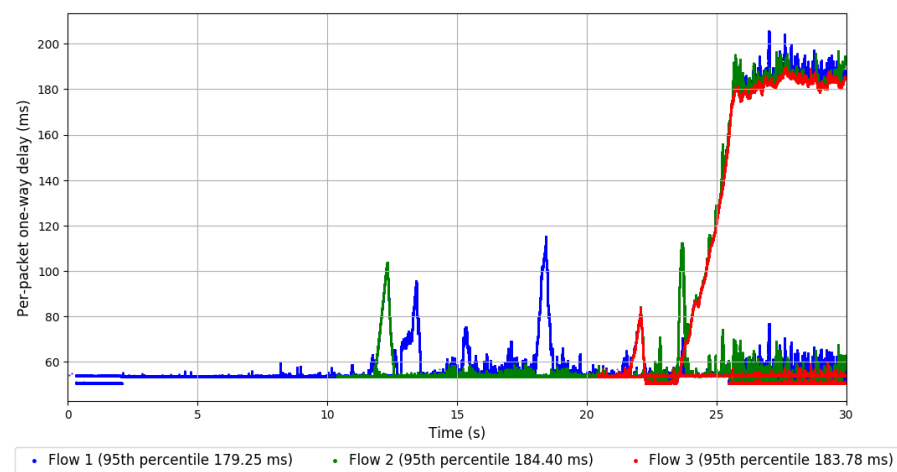
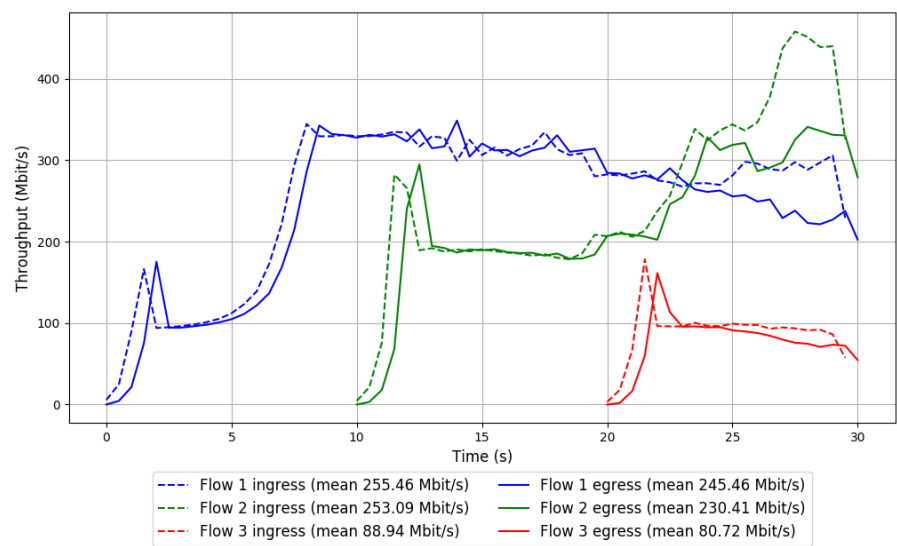


Run 7: Statistics of PCC-Expr

Start at: 2018-07-26 20:59:38
End at: 2018-07-26 21:00:08
Local clock offset: -0.065 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-27 01:33:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 425.23 Mbit/s
95th percentile per-packet one-way delay: 183.108 ms
Loss rate: 6.13%
-- Flow 1:
Average throughput: 245.46 Mbit/s
95th percentile per-packet one-way delay: 179.245 ms
Loss rate: 3.91%
-- Flow 2:
Average throughput: 230.41 Mbit/s
95th percentile per-packet one-way delay: 184.395 ms
Loss rate: 8.95%
-- Flow 3:
Average throughput: 80.72 Mbit/s
95th percentile per-packet one-way delay: 183.780 ms
Loss rate: 9.24%

Run 7: Report of PCC-Expr — Data Link

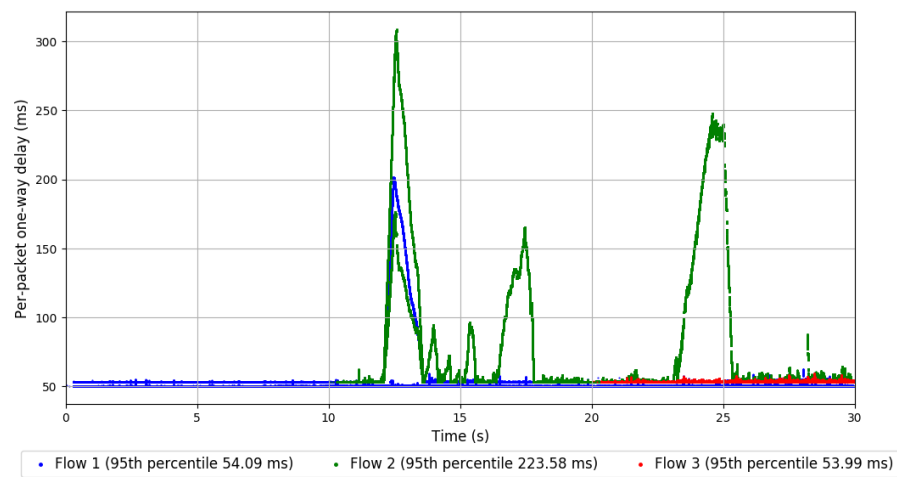
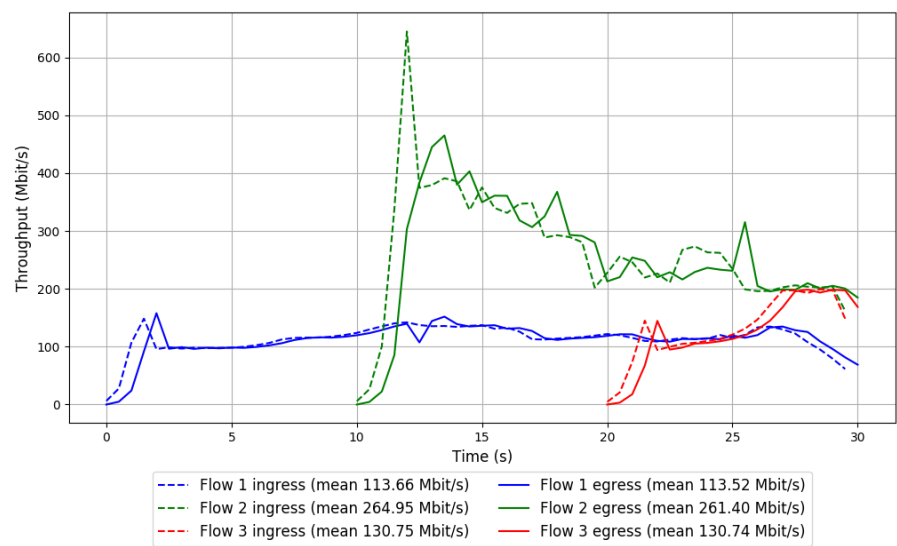


Run 8: Statistics of PCC-Expr

Start at: 2018-07-26 21:24:32
End at: 2018-07-26 21:25:02
Local clock offset: -0.074 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-07-27 01:33:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 330.39 Mbit/s
95th percentile per-packet one-way delay: 165.189 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 113.52 Mbit/s
95th percentile per-packet one-way delay: 54.089 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 261.40 Mbit/s
95th percentile per-packet one-way delay: 223.577 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 130.74 Mbit/s
95th percentile per-packet one-way delay: 53.988 ms
Loss rate: 0.04%

Run 8: Report of PCC-Expr — Data Link

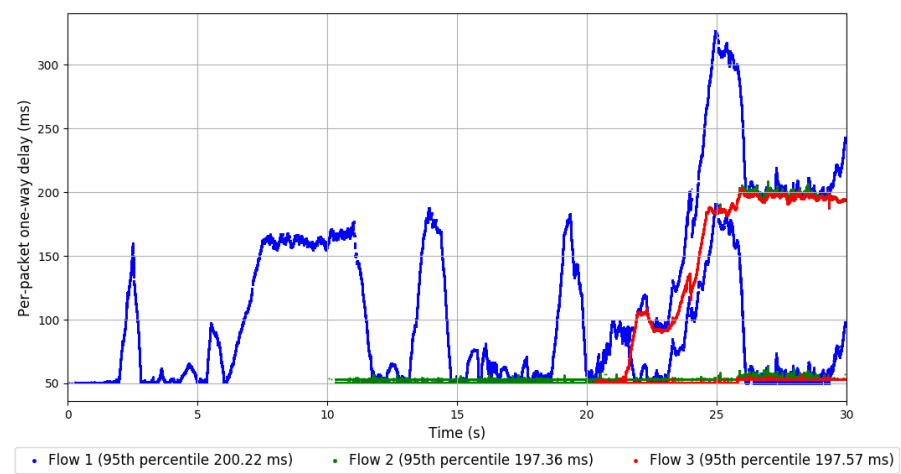
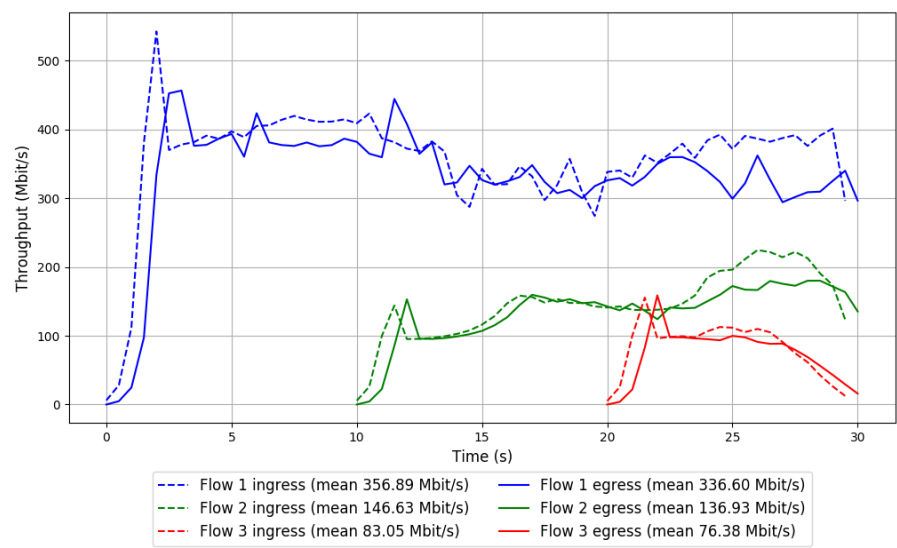


Run 9: Statistics of PCC-Expr

Start at: 2018-07-26 21:49:34
End at: 2018-07-26 21:50:04
Local clock offset: -0.065 ms
Remote clock offset: -0.242 ms

Below is generated by plot.py at 2018-07-27 01:35:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 452.81 Mbit/s
95th percentile per-packet one-way delay: 198.548 ms
Loss rate: 6.00%
-- Flow 1:
Average throughput: 336.60 Mbit/s
95th percentile per-packet one-way delay: 200.217 ms
Loss rate: 5.69%
-- Flow 2:
Average throughput: 136.93 Mbit/s
95th percentile per-packet one-way delay: 197.364 ms
Loss rate: 6.61%
-- Flow 3:
Average throughput: 76.38 Mbit/s
95th percentile per-packet one-way delay: 197.573 ms
Loss rate: 8.02%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-26 22:14:21

End at: 2018-07-26 22:14:51

Local clock offset: 0.13 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-27 01:36:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 430.42 Mbit/s

95th percentile per-packet one-way delay: 286.171 ms

Loss rate: 9.48%

-- Flow 1:

Average throughput: 350.57 Mbit/s

95th percentile per-packet one-way delay: 293.520 ms

Loss rate: 11.02%

-- Flow 2:

Average throughput: 89.44 Mbit/s

95th percentile per-packet one-way delay: 178.459 ms

Loss rate: 1.22%

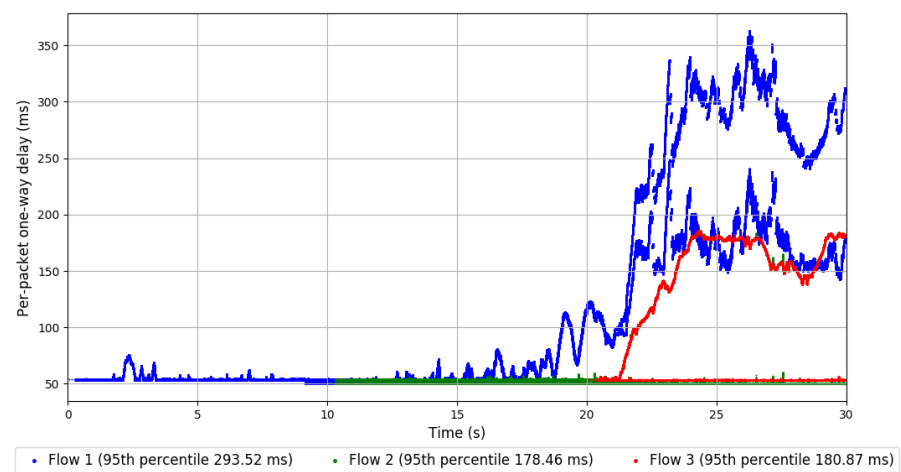
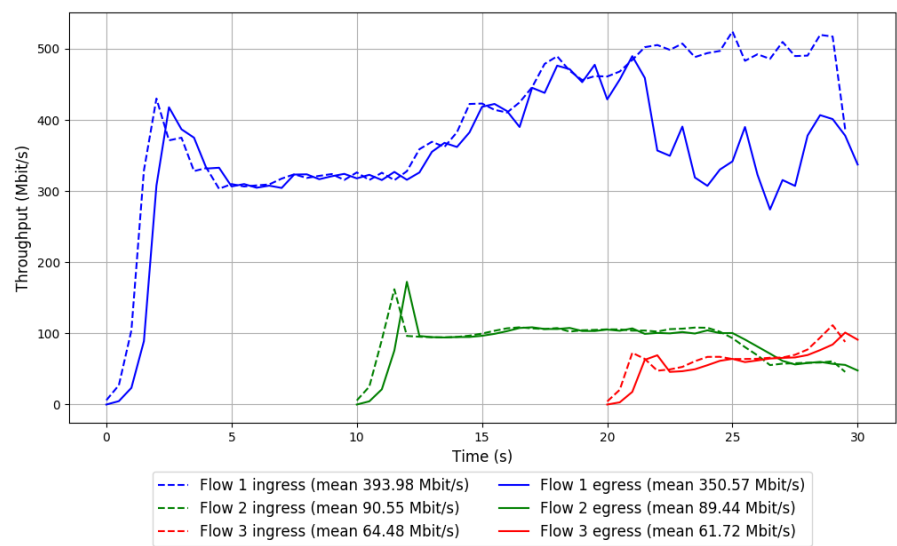
-- Flow 3:

Average throughput: 61.72 Mbit/s

95th percentile per-packet one-way delay: 180.865 ms

Loss rate: 4.30%

Run 10: Report of PCC-Expr — Data Link

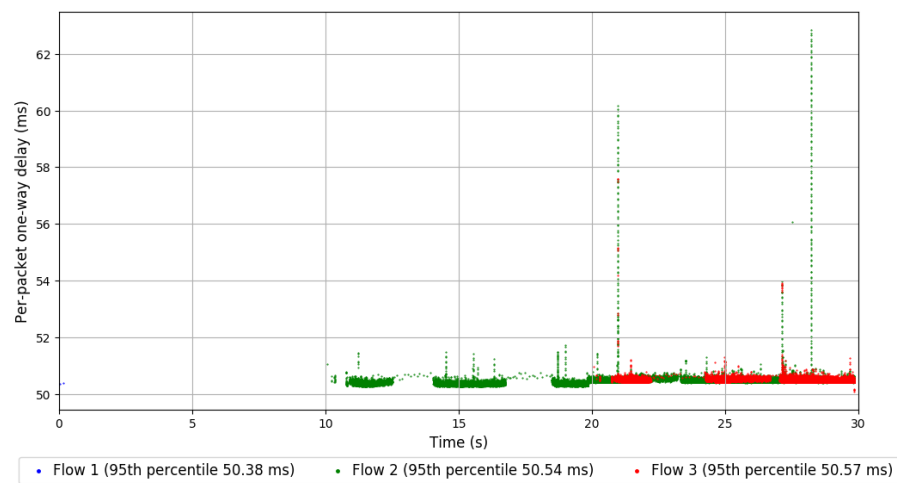
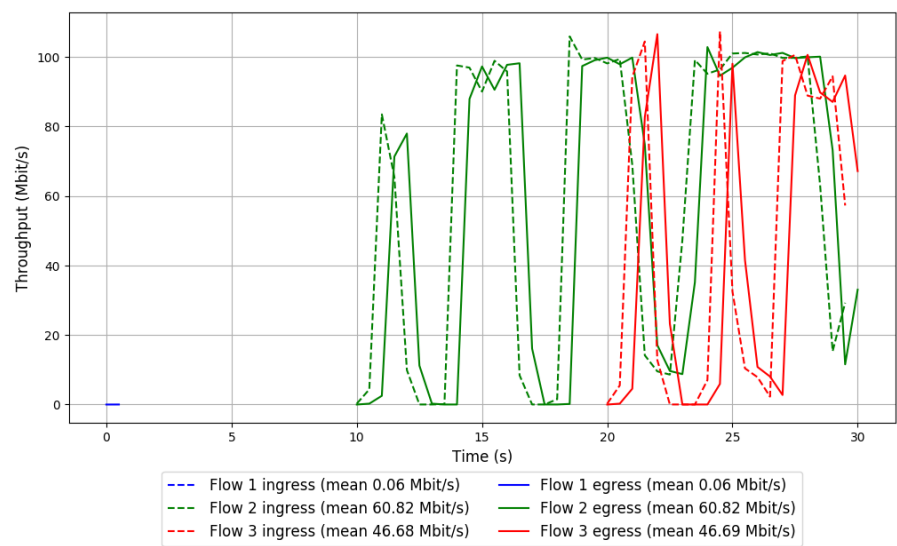


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-26 18:36:00
End at: 2018-07-26 18:36:30
Local clock offset: -0.303 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-07-27 01:36:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.70 Mbit/s
95th percentile per-packet one-way delay: 50.549 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 50.384 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.82 Mbit/s
95th percentile per-packet one-way delay: 50.536 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.69 Mbit/s
95th percentile per-packet one-way delay: 50.573 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-26 19:00:49

End at: 2018-07-26 19:01:19

Local clock offset: -0.117 ms

Remote clock offset: 0.17 ms

Below is generated by plot.py at 2018-07-27 01:36:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 117.59 Mbit/s

95th percentile per-packet one-way delay: 53.825 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.43 Mbit/s

95th percentile per-packet one-way delay: 53.853 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.84 Mbit/s

95th percentile per-packet one-way delay: 53.184 ms

Loss rate: 0.00%

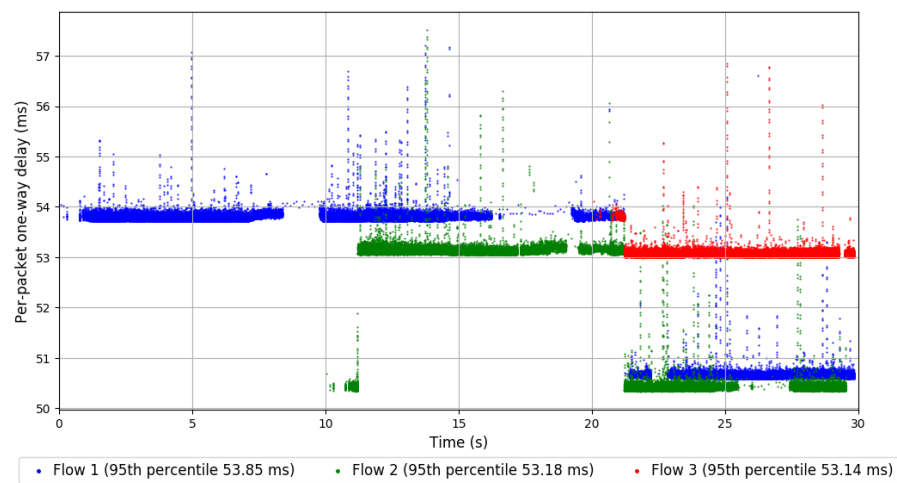
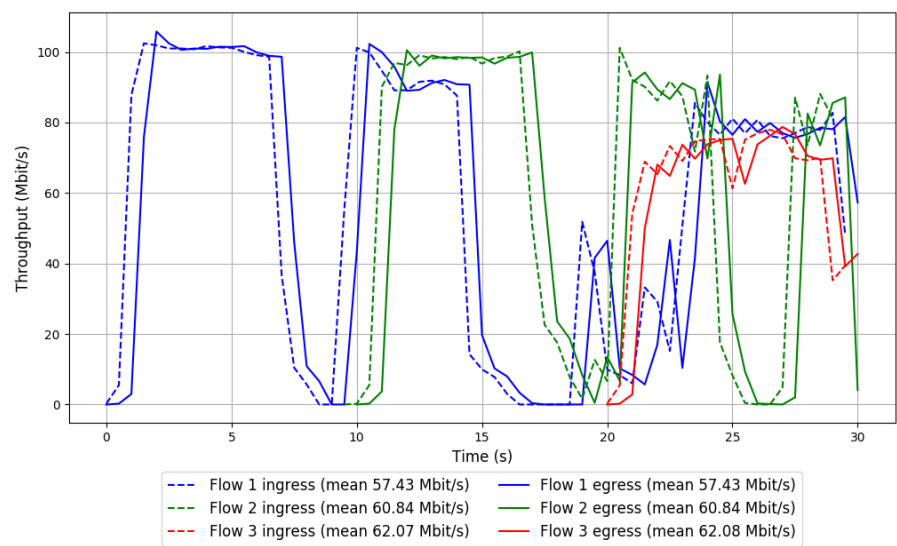
-- Flow 3:

Average throughput: 62.08 Mbit/s

95th percentile per-packet one-way delay: 53.144 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

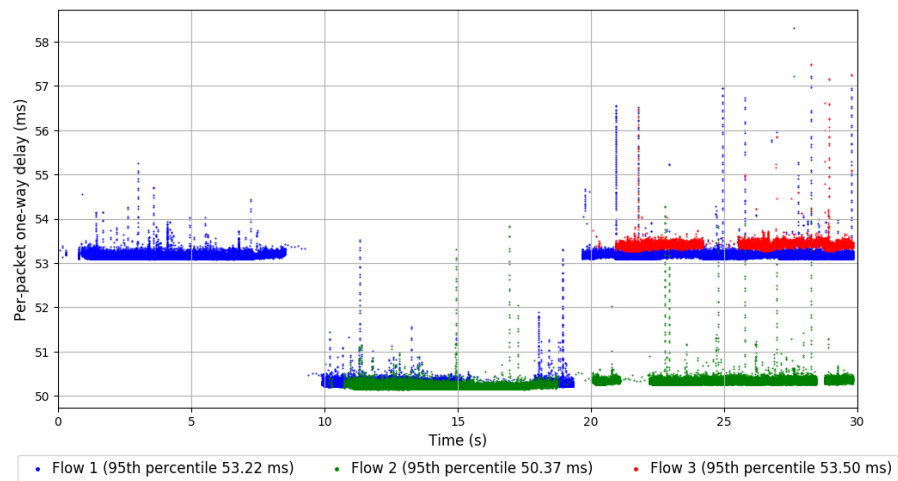
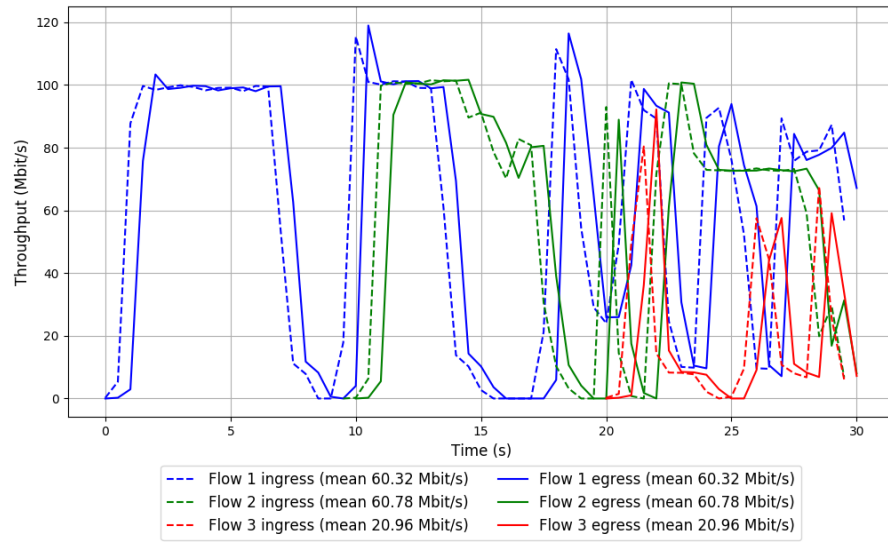


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-26 19:25:51
End at: 2018-07-26 19:26:21
Local clock offset: -0.084 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-27 01:36:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 107.57 Mbit/s
95th percentile per-packet one-way delay: 53.328 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.32 Mbit/s
95th percentile per-packet one-way delay: 53.221 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.78 Mbit/s
95th percentile per-packet one-way delay: 50.371 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.96 Mbit/s
95th percentile per-packet one-way delay: 53.498 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-26 19:50:30

End at: 2018-07-26 19:51:00

Local clock offset: -0.056 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-27 01:36:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.95 Mbit/s

95th percentile per-packet one-way delay: 53.106 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 53.376 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 63.60 Mbit/s

95th percentile per-packet one-way delay: 50.159 ms

Loss rate: 0.00%

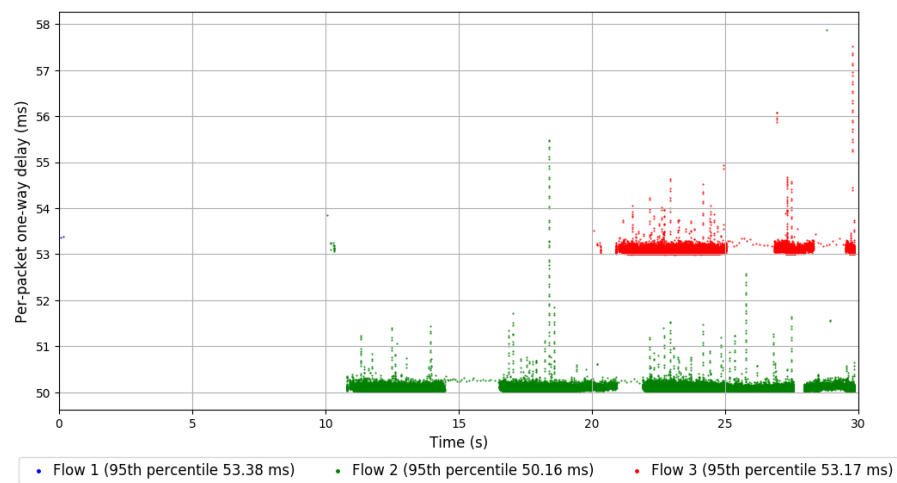
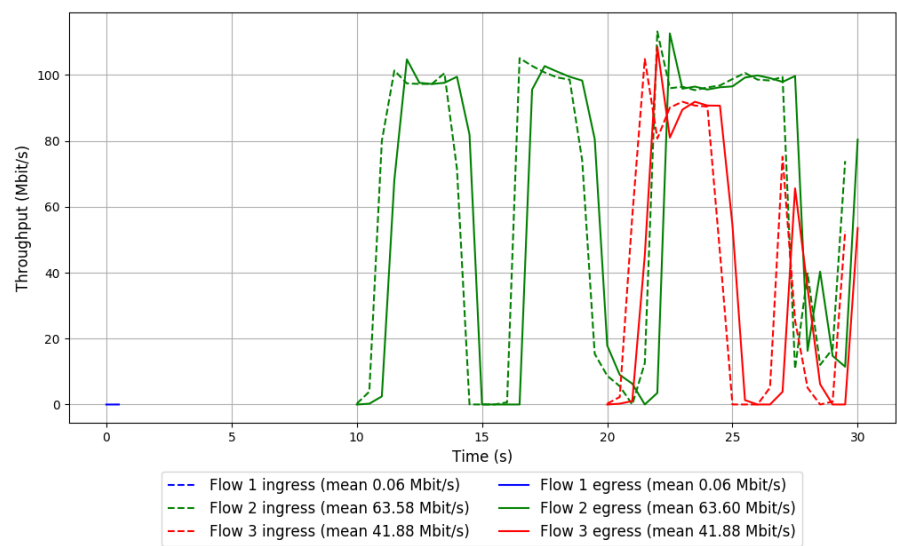
-- Flow 3:

Average throughput: 41.88 Mbit/s

95th percentile per-packet one-way delay: 53.166 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

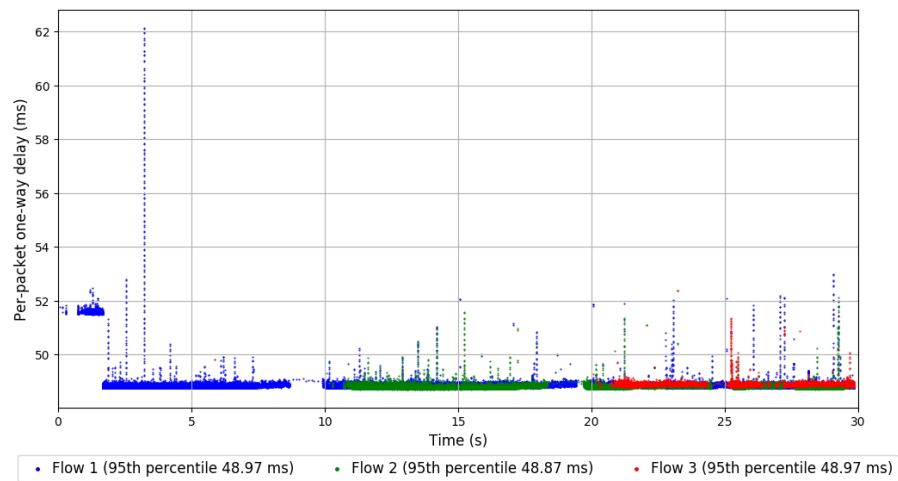
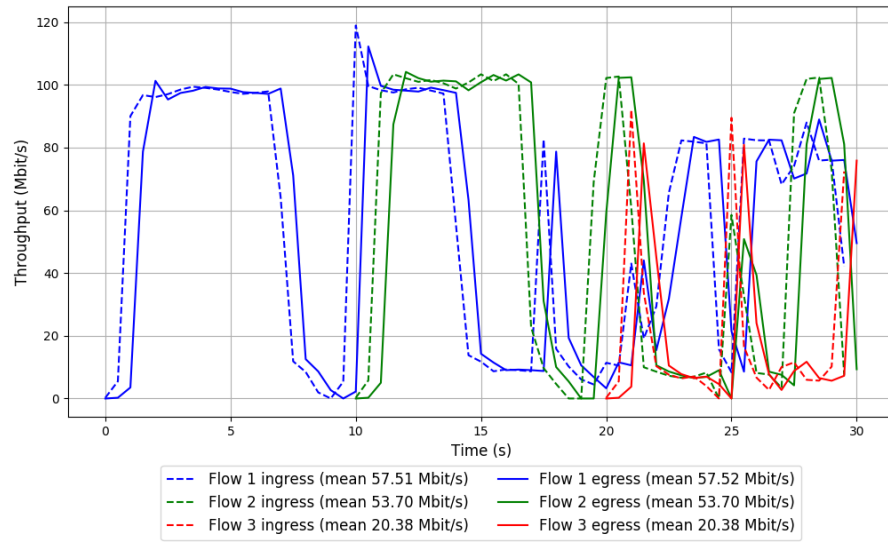


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-26 20:14:58
End at: 2018-07-26 20:15:28
Local clock offset: 0.049 ms
Remote clock offset: -1.341 ms

Below is generated by plot.py at 2018-07-27 01:36:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 99.87 Mbit/s
95th percentile per-packet one-way delay: 48.932 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.52 Mbit/s
95th percentile per-packet one-way delay: 48.971 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 53.70 Mbit/s
95th percentile per-packet one-way delay: 48.871 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.38 Mbit/s
95th percentile per-packet one-way delay: 48.967 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-26 20:39:44

End at: 2018-07-26 20:40:14

Local clock offset: -0.231 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2018-07-27 01:36:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.14 Mbit/s

95th percentile per-packet one-way delay: 54.240 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.566 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 69.85 Mbit/s

95th percentile per-packet one-way delay: 54.252 ms

Loss rate: 0.02%

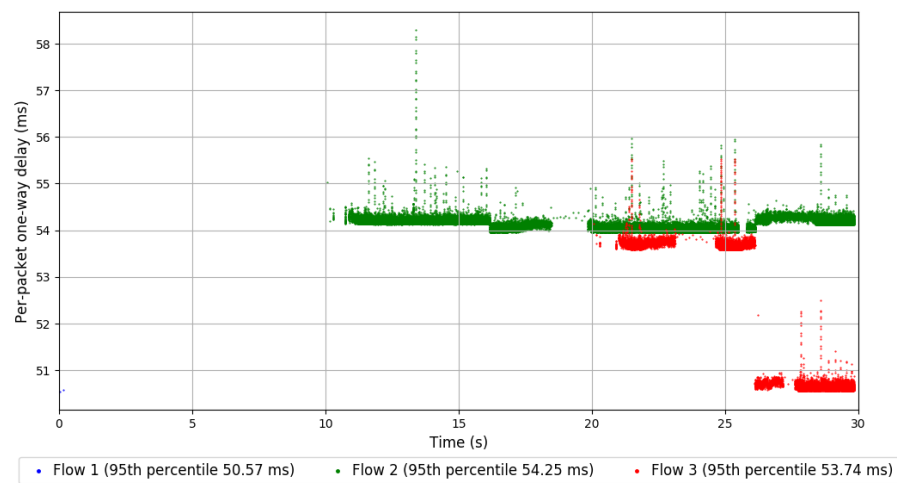
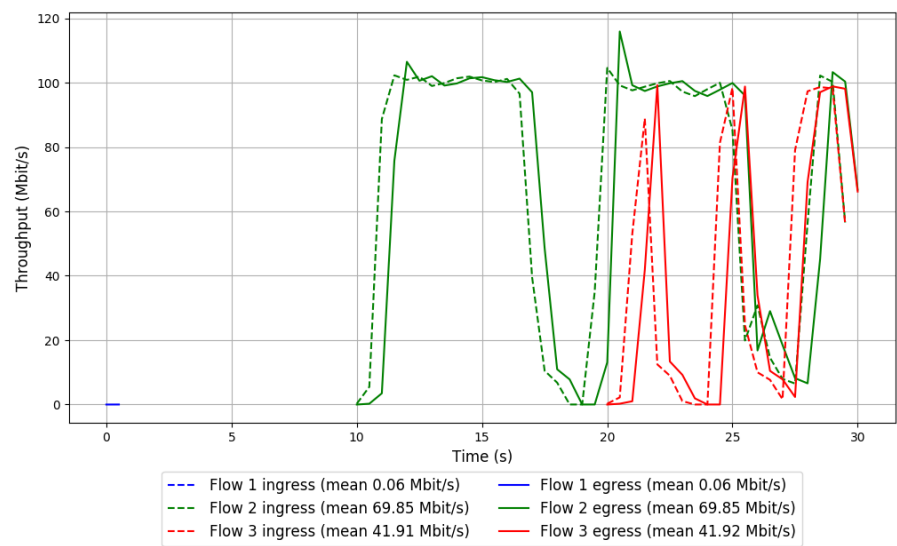
-- Flow 3:

Average throughput: 41.92 Mbit/s

95th percentile per-packet one-way delay: 53.740 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

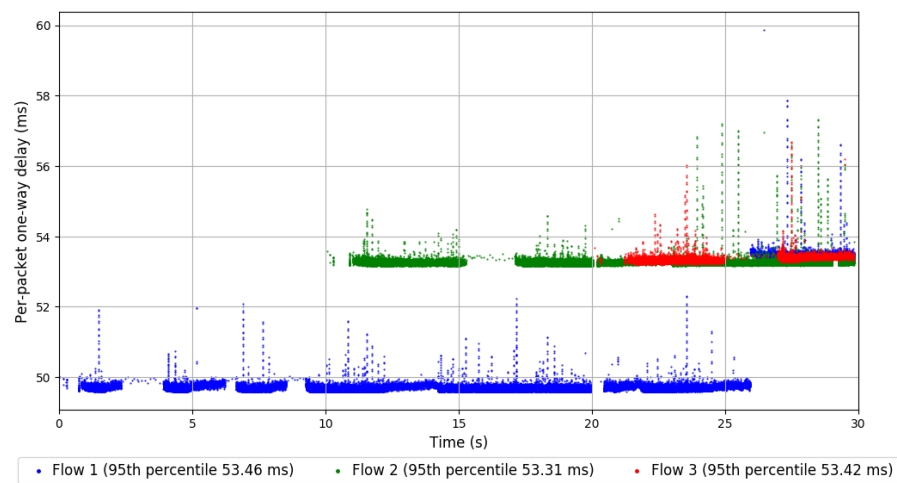
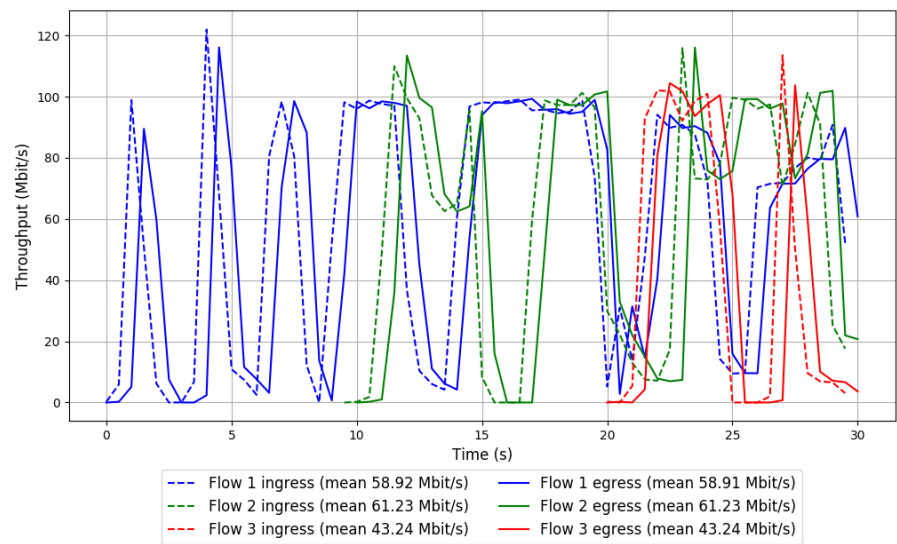


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-26 21:04:34
End at: 2018-07-26 21:05:04
Local clock offset: 0.136 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-07-27 01:36:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 113.72 Mbit/s
95th percentile per-packet one-way delay: 53.435 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 58.91 Mbit/s
95th percentile per-packet one-way delay: 53.456 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 61.23 Mbit/s
95th percentile per-packet one-way delay: 53.313 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 43.24 Mbit/s
95th percentile per-packet one-way delay: 53.420 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-26 21:29:18

End at: 2018-07-26 21:29:48

Local clock offset: -0.007 ms

Remote clock offset: -1.48 ms

Below is generated by plot.py at 2018-07-27 01:36:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 47.40 Mbit/s

95th percentile per-packet one-way delay: 51.838 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 49.463 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.54 Mbit/s

95th percentile per-packet one-way delay: 51.635 ms

Loss rate: 0.00%

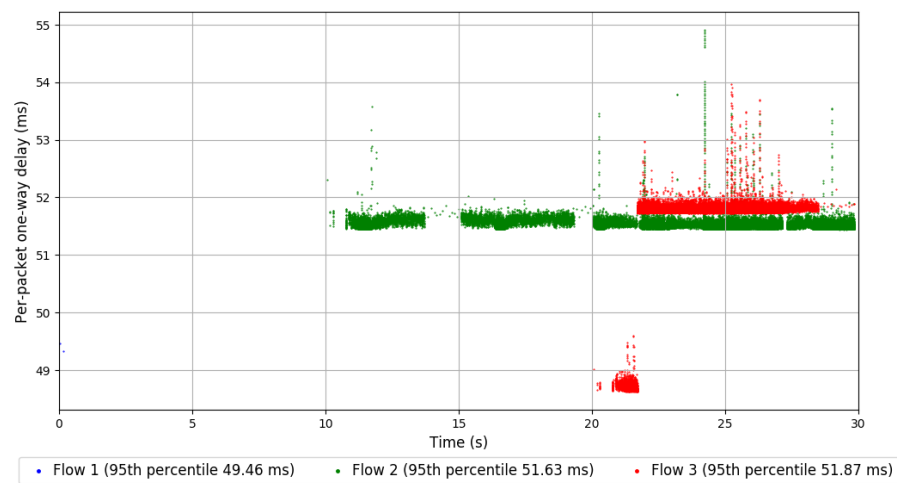
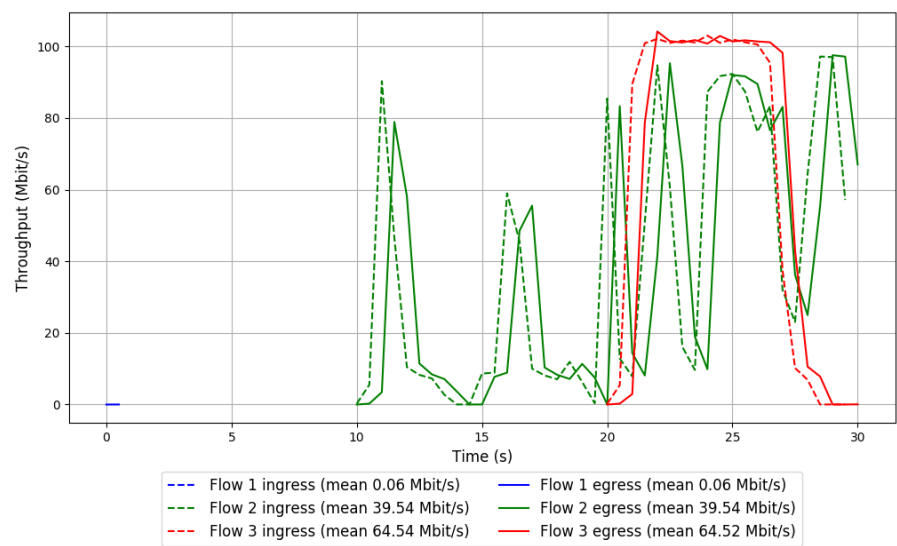
-- Flow 3:

Average throughput: 64.52 Mbit/s

95th percentile per-packet one-way delay: 51.867 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

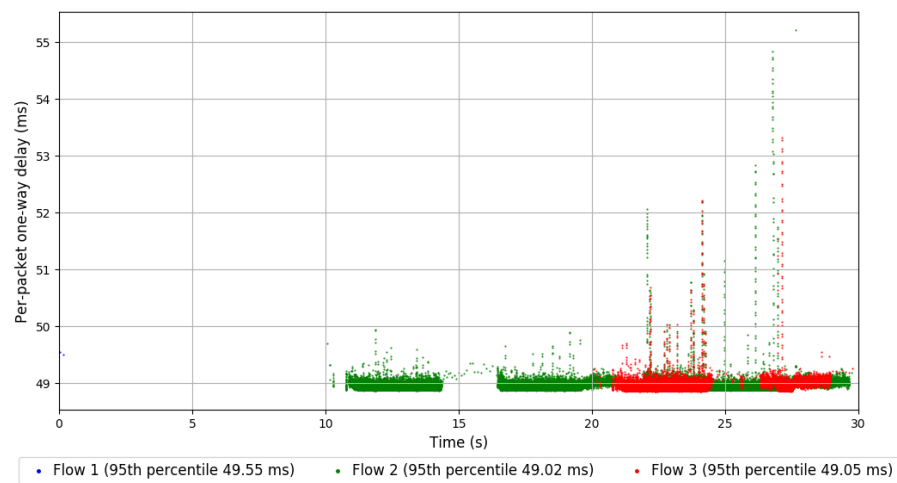
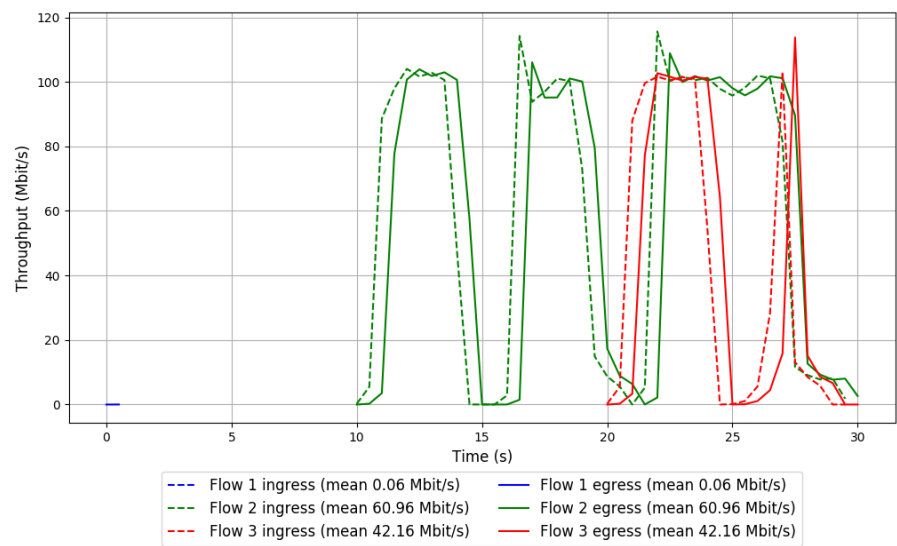


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-26 21:54:22
End at: 2018-07-26 21:54:52
Local clock offset: -0.245 ms
Remote clock offset: -1.397 ms

Below is generated by plot.py at 2018-07-27 01:36:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.13 Mbit/s
95th percentile per-packet one-way delay: 49.031 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 49.549 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.96 Mbit/s
95th percentile per-packet one-way delay: 49.025 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.16 Mbit/s
95th percentile per-packet one-way delay: 49.048 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-26 22:19:12

End at: 2018-07-26 22:19:43

Local clock offset: -0.139 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-27 01:36:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 107.37 Mbit/s

95th percentile per-packet one-way delay: 50.748 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 62.74 Mbit/s

95th percentile per-packet one-way delay: 50.754 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 59.85 Mbit/s

95th percentile per-packet one-way delay: 50.742 ms

Loss rate: 0.00%

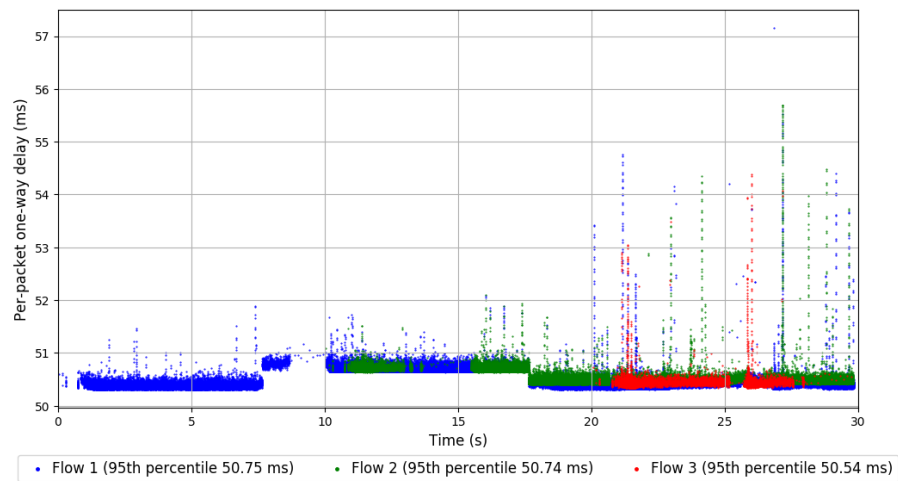
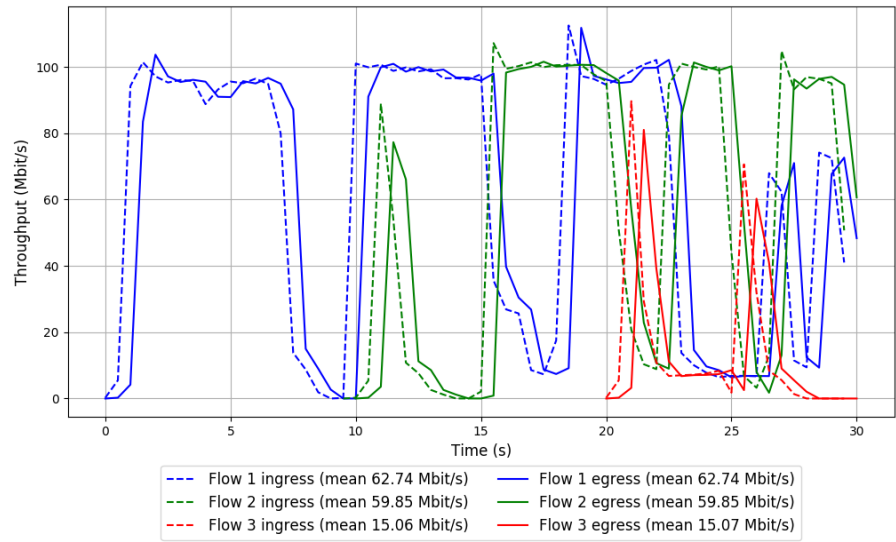
-- Flow 3:

Average throughput: 15.07 Mbit/s

95th percentile per-packet one-way delay: 50.537 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

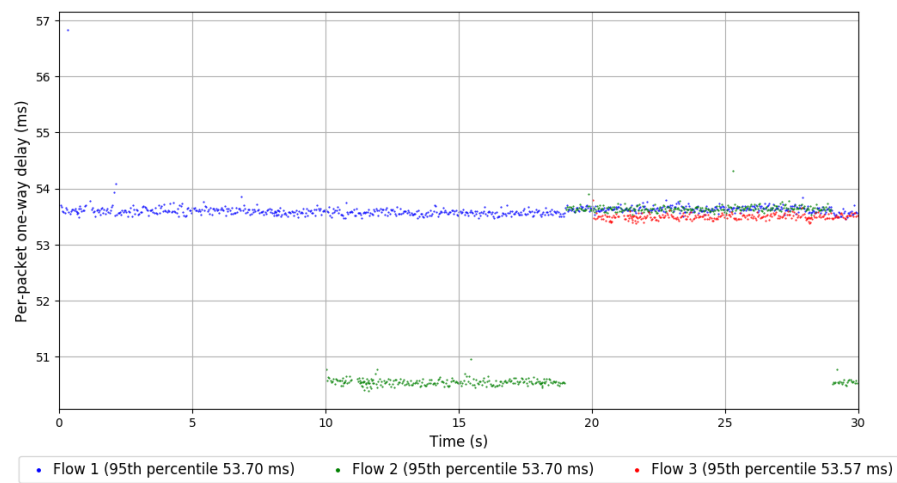
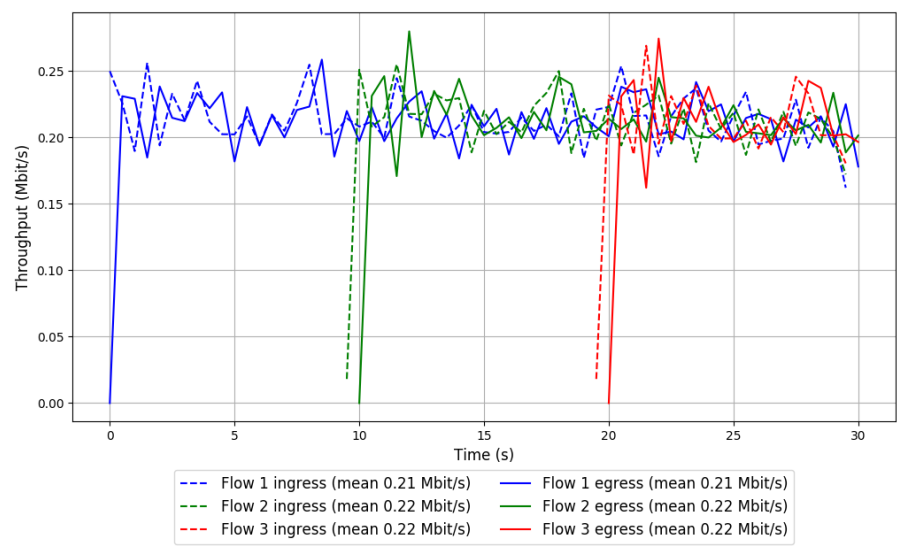


```
Run 1: Statistics of SCReAM

Start at: 2018-07-26 18:32:51
End at: 2018-07-26 18:33:21
Local clock offset: -0.106 ms
Remote clock offset: -0.173 ms

# Below is generated by plot.py at 2018-07-27 01:36:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.695 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.700 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.699 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.570 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

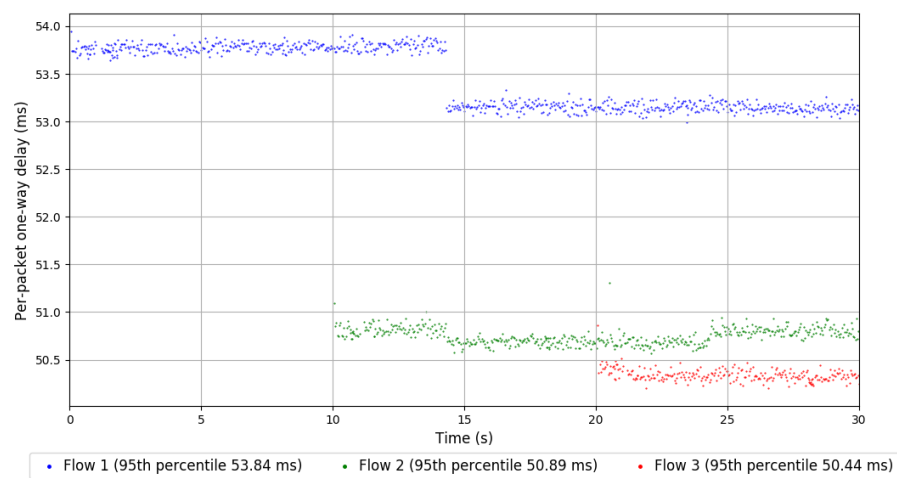
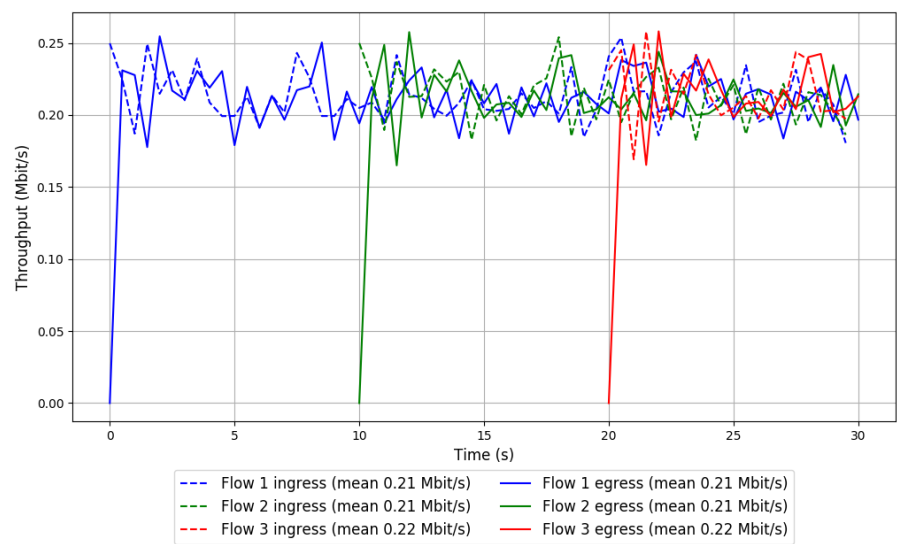


```
Run 2: Statistics of SCReAM

Start at: 2018-07-26 18:57:36
End at: 2018-07-26 18:58:06
Local clock offset: -0.033 ms
Remote clock offset: 0.087 ms

# Below is generated by plot.py at 2018-07-27 01:36:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.816 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.840 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.887 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.439 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-26 19:22:38

End at: 2018-07-26 19:23:08

Local clock offset: -0.217 ms

Remote clock offset: 1.415 ms

Below is generated by plot.py at 2018-07-27 01:36:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 55.344 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.853 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 55.382 ms

Loss rate: 0.00%

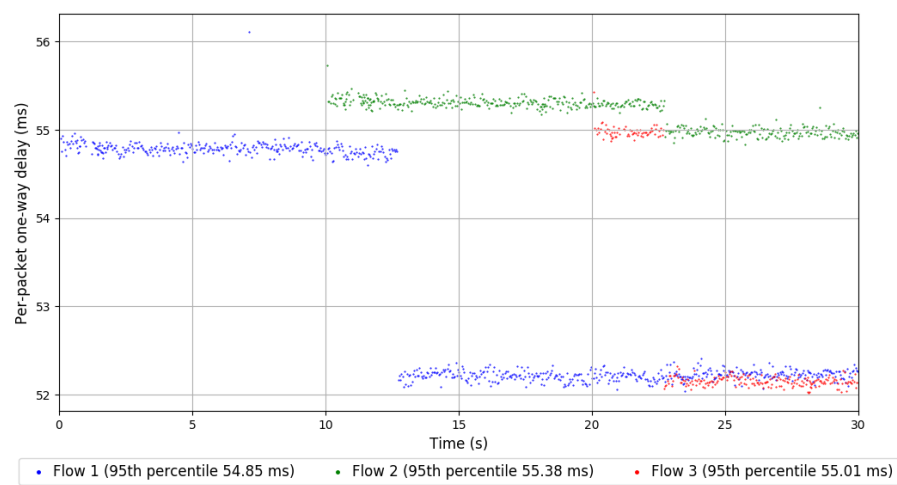
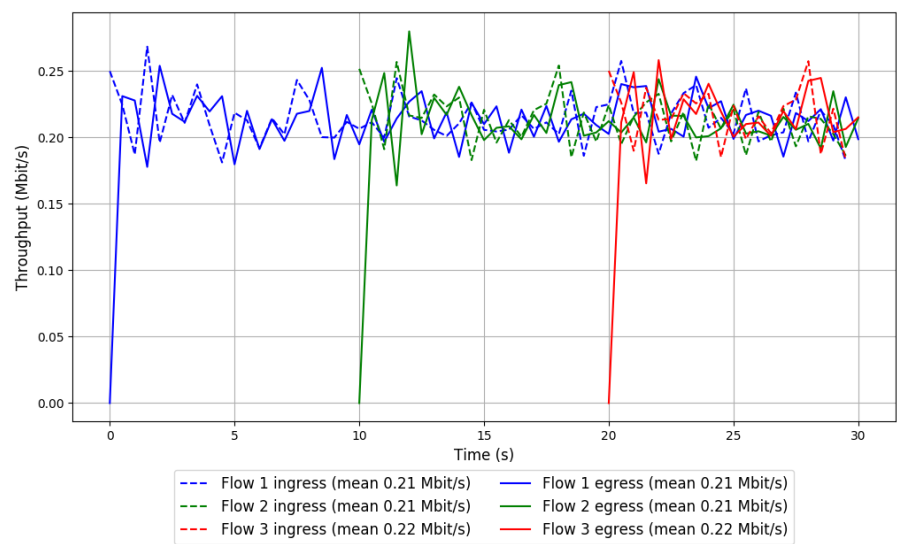
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 55.011 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

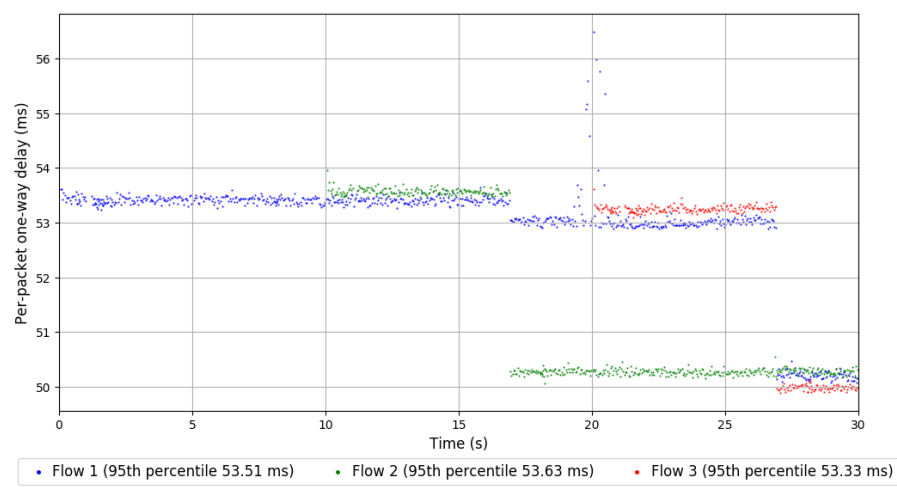
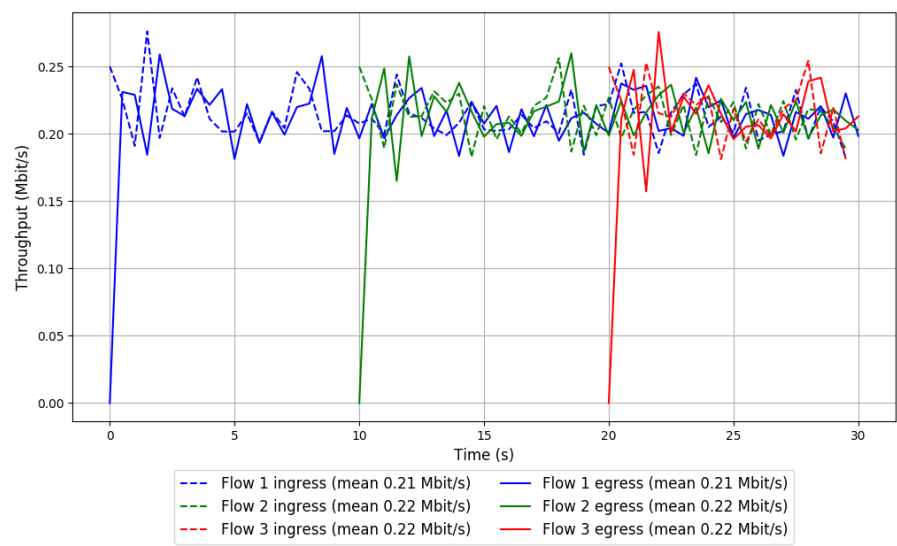


Run 4: Statistics of SReAM

Start at: 2018-07-26 19:47:33
End at: 2018-07-26 19:48:03
Local clock offset: -0.055 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2018-07-27 01:36:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.594 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.514 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.629 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.332 ms
Loss rate: 0.00%

Run 4: Report of SCSReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-26 20:11:45

End at: 2018-07-26 20:12:15

Local clock offset: 0.015 ms

Remote clock offset: 1.364 ms

Below is generated by plot.py at 2018-07-27 01:36:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 54.949 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.957 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.958 ms

Loss rate: 0.00%

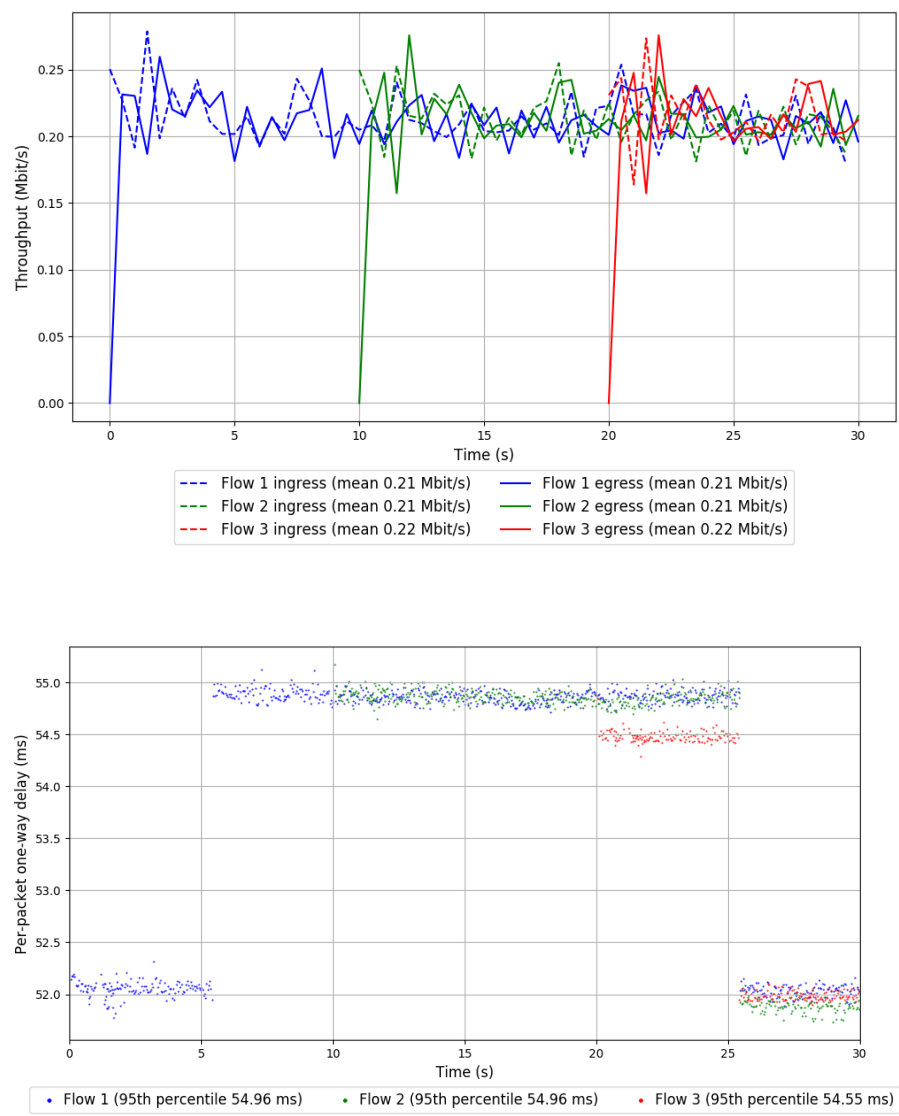
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 54.547 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

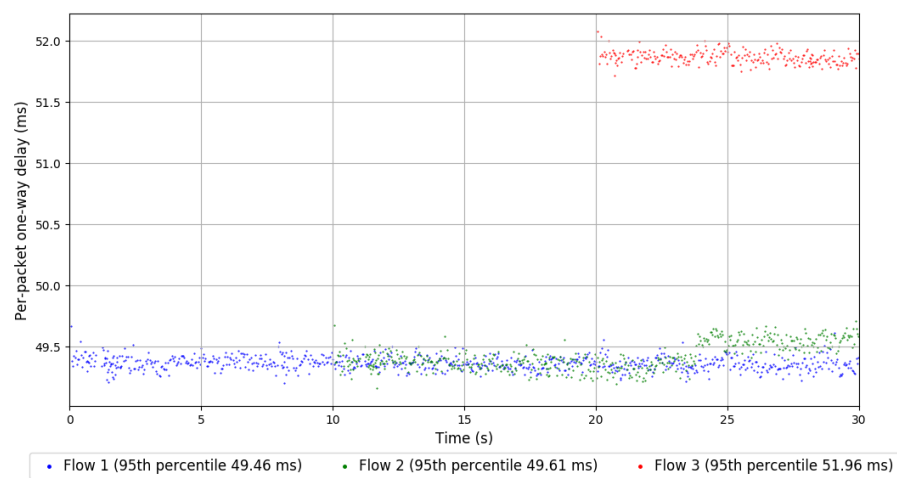
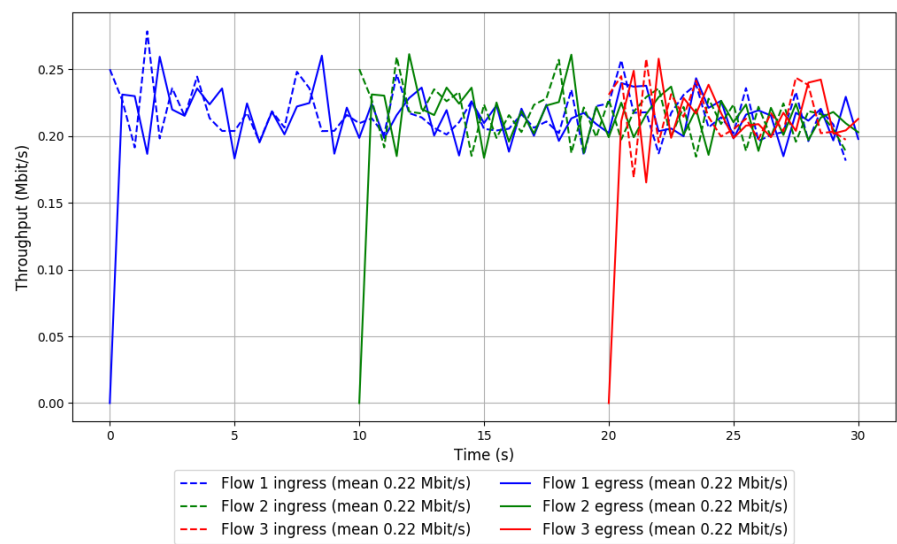


Run 6: Statistics of SReAM

Start at: 2018-07-26 20:36:36
End at: 2018-07-26 20:37:06
Local clock offset: -0.086 ms
Remote clock offset: -1.441 ms

Below is generated by plot.py at 2018-07-27 01:36:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.891 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.457 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.609 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.959 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

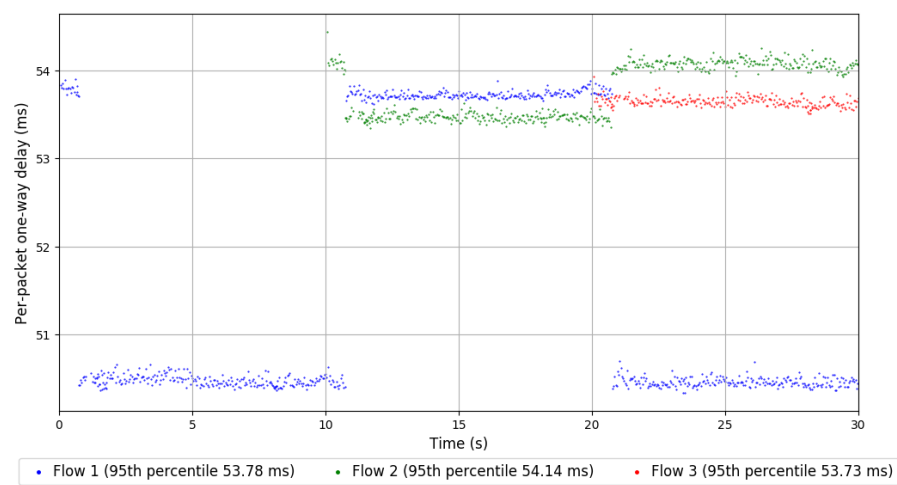
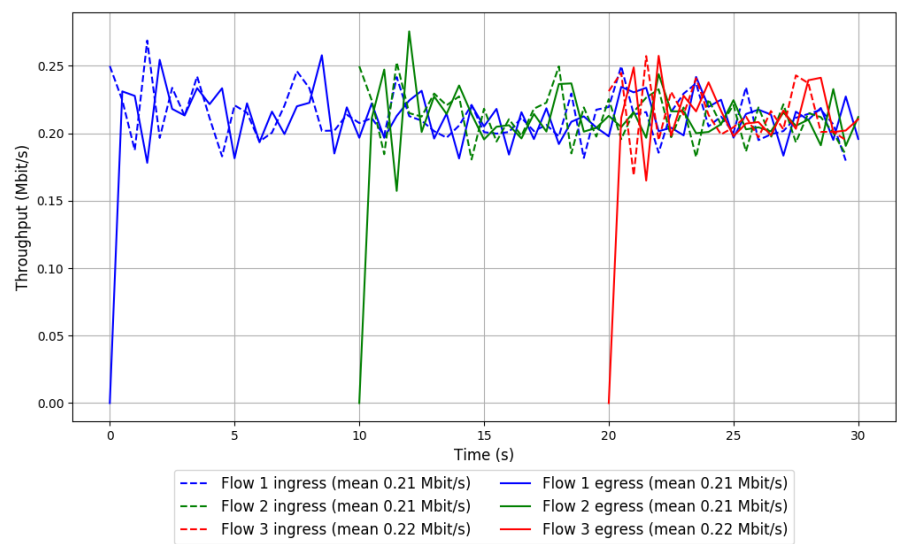


```
Run 7: Statistics of SReAM

Start at: 2018-07-26 21:01:20
End at: 2018-07-26 21:01:50
Local clock offset: 0.026 ms
Remote clock offset: 0.047 ms

# Below is generated by plot.py at 2018-07-27 01:36:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.783 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.140 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.733 ms
Loss rate: 0.00%
```

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-07-26 21:26:09

End at: 2018-07-26 21:26:39

Local clock offset: -0.046 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-07-27 01:36:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.855 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.908 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.880 ms

Loss rate: 0.00%

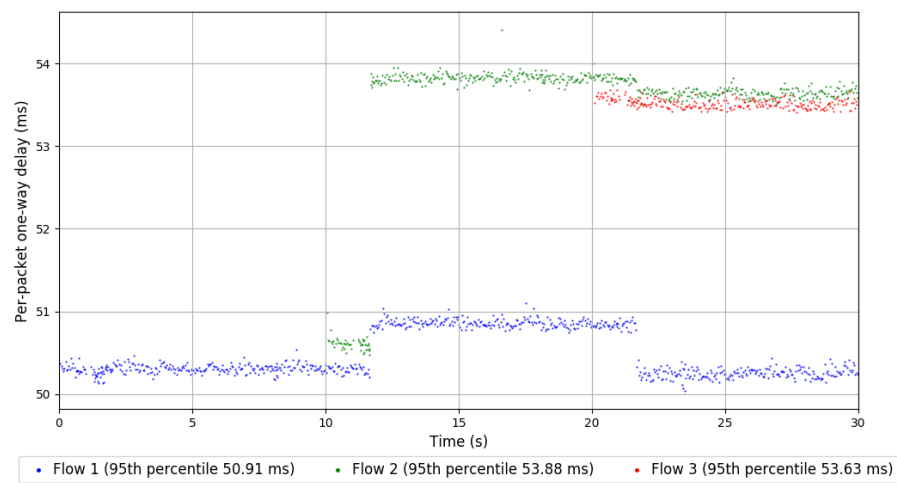
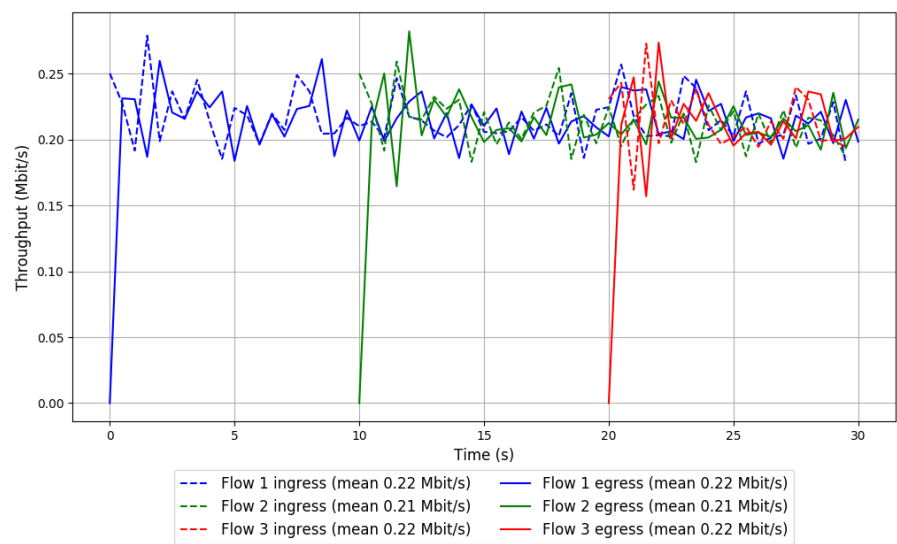
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.627 ms

Loss rate: 0.00%

Run 8: Report of SCSReAM — Data Link

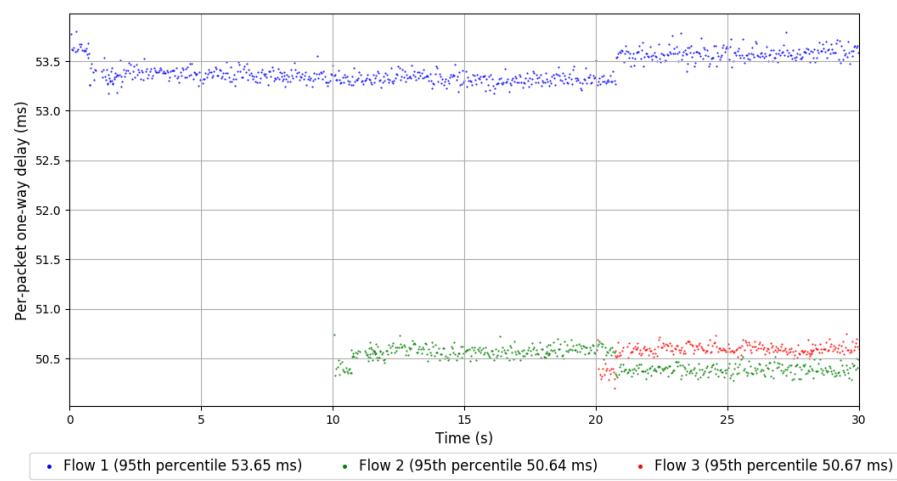
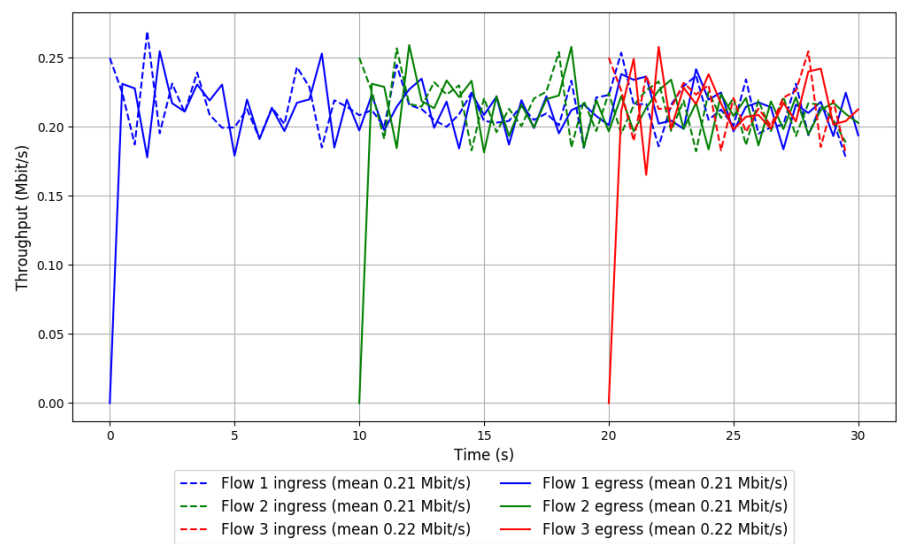


Run 9: Statistics of SReAM

Start at: 2018-07-26 21:51:20
End at: 2018-07-26 21:51:50
Local clock offset: -0.244 ms
Remote clock offset: -0.251 ms

Below is generated by plot.py at 2018-07-27 01:36:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.607 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.645 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.641 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.673 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

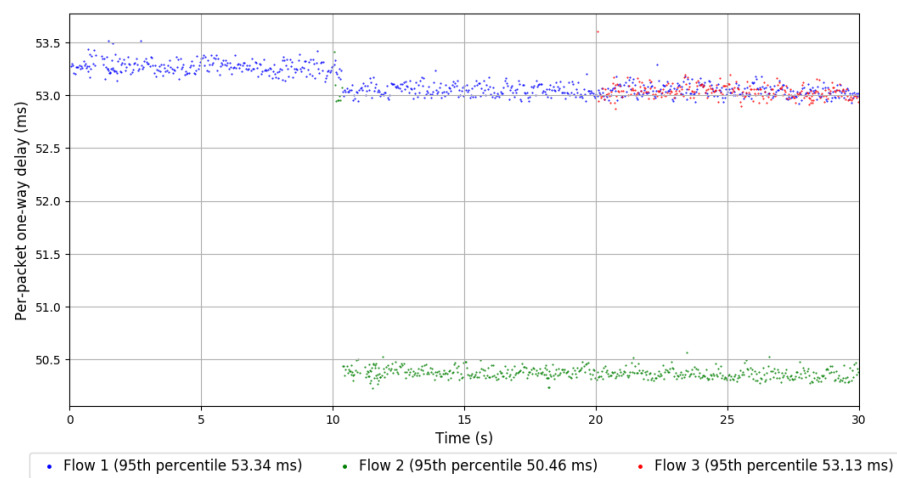
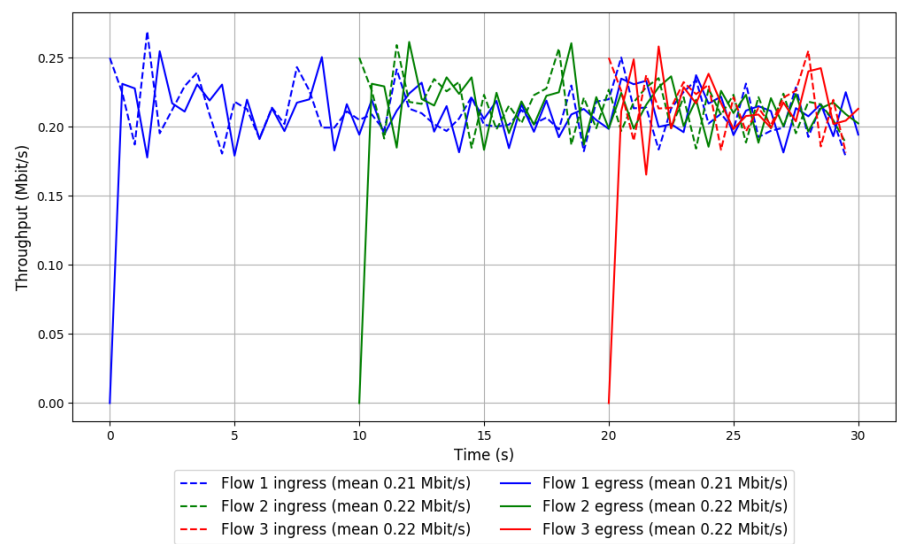


Run 10: Statistics of SReAM

Start at: 2018-07-26 22:16:00
End at: 2018-07-26 22:16:30
Local clock offset: 0.014 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2018-07-27 01:36:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.303 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.341 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.464 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.135 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

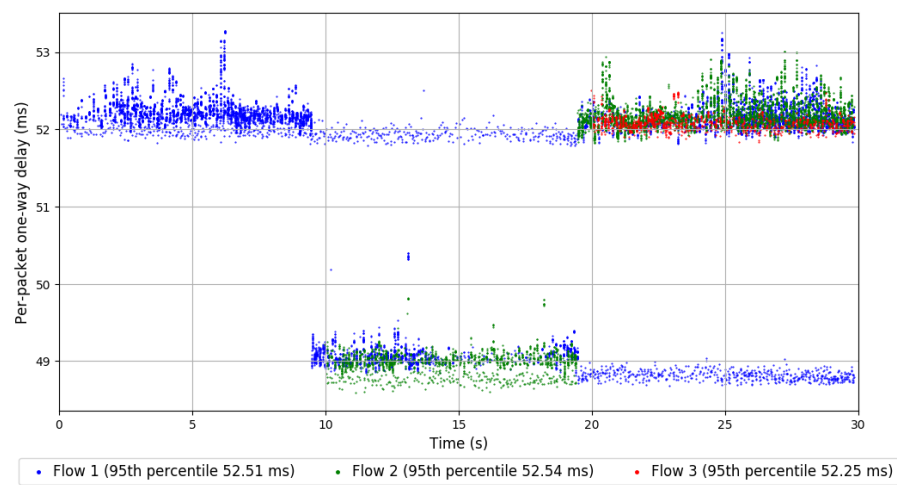
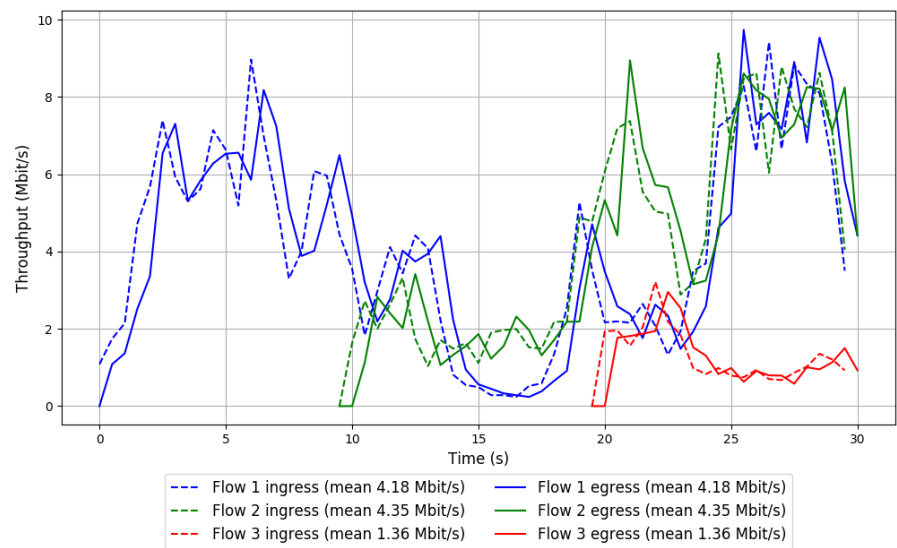


Run 1: Statistics of Sprout

Start at: 2018-07-26 18:28:41
End at: 2018-07-26 18:29:11
Local clock offset: 0.102 ms
Remote clock offset: -1.449 ms

Below is generated by plot.py at 2018-07-27 01:36:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.53 Mbit/s
95th percentile per-packet one-way delay: 52.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 52.510 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 52.541 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 52.252 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-26 18:53:15

End at: 2018-07-26 18:53:45

Local clock offset: -0.17 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-27 01:36:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.41 Mbit/s

95th percentile per-packet one-way delay: 54.140 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 6.73 Mbit/s

95th percentile per-packet one-way delay: 54.071 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.63 Mbit/s

95th percentile per-packet one-way delay: 54.164 ms

Loss rate: 0.00%

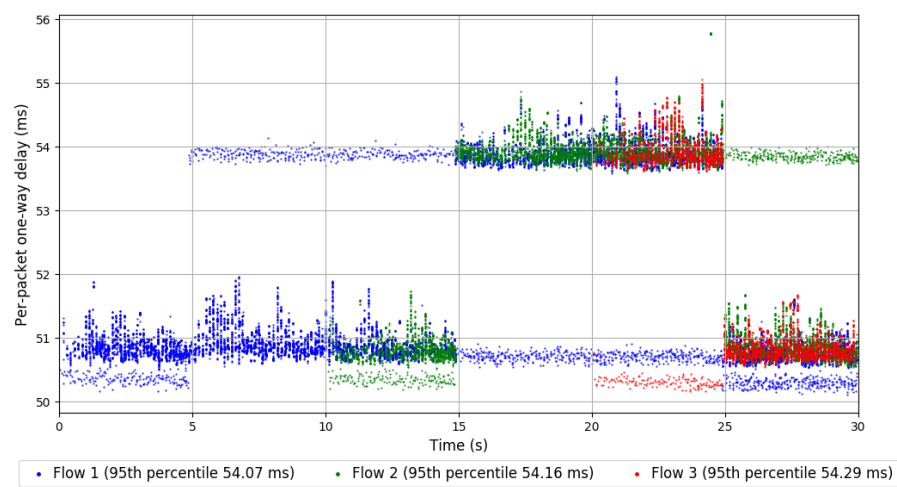
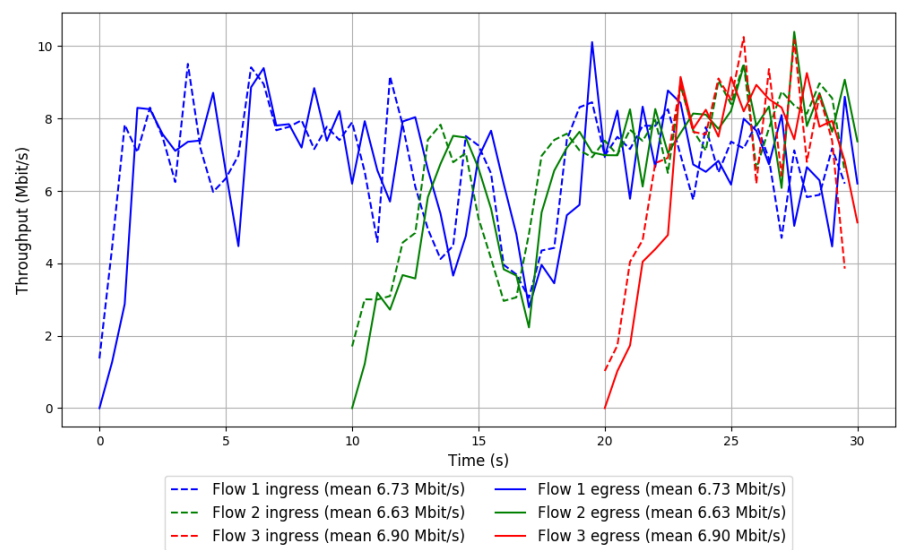
-- Flow 3:

Average throughput: 6.90 Mbit/s

95th percentile per-packet one-way delay: 54.289 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-26 19:18:23

End at: 2018-07-26 19:18:53

Local clock offset: -0.116 ms

Remote clock offset: 0.244 ms

Below is generated by plot.py at 2018-07-27 01:36:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 9.18 Mbit/s

95th percentile per-packet one-way delay: 54.363 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 6.33 Mbit/s

95th percentile per-packet one-way delay: 54.398 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.28 Mbit/s

95th percentile per-packet one-way delay: 54.301 ms

Loss rate: 0.00%

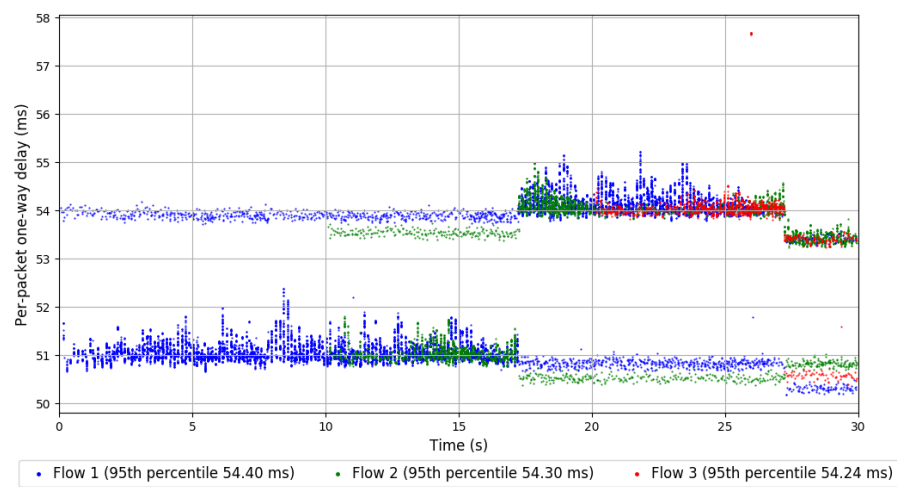
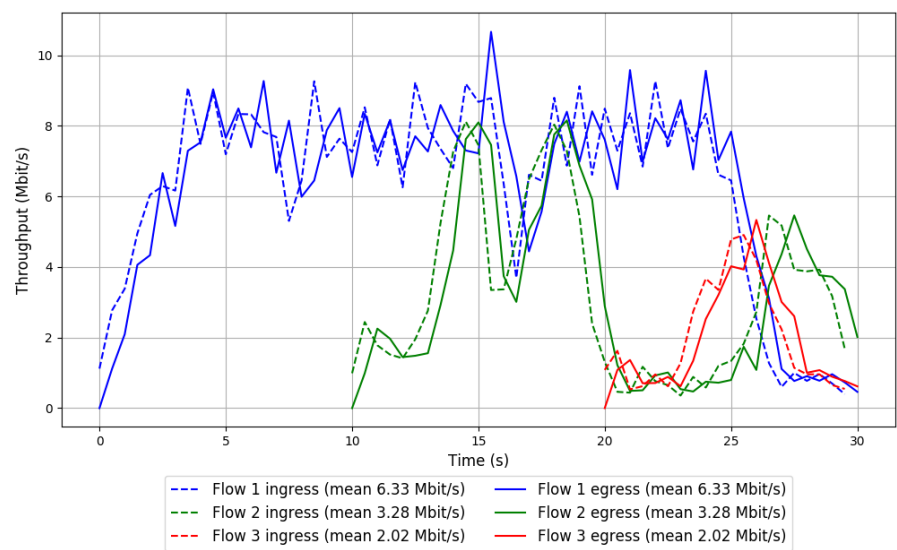
-- Flow 3:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 54.238 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

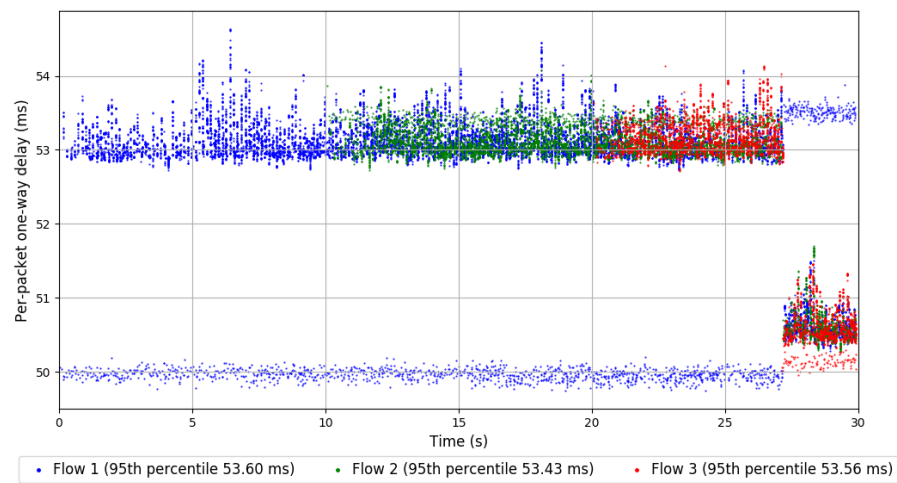
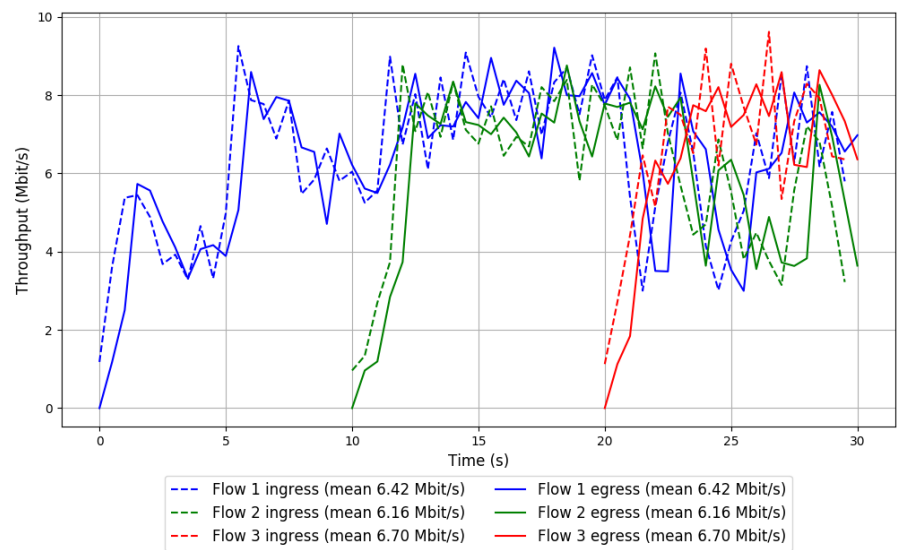


Run 4: Statistics of Sprout

Start at: 2018-07-26 19:43:13
End at: 2018-07-26 19:43:43
Local clock offset: -0.024 ms
Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-07-27 01:36:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.71 Mbit/s
95th percentile per-packet one-way delay: 53.540 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 53.597 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.16 Mbit/s
95th percentile per-packet one-way delay: 53.434 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.70 Mbit/s
95th percentile per-packet one-way delay: 53.559 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-26 20:07:25

End at: 2018-07-26 20:07:55

Local clock offset: 0.016 ms

Remote clock offset: 1.362 ms

Below is generated by plot.py at 2018-07-27 01:36:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 14.90 Mbit/s

95th percentile per-packet one-way delay: 55.420 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.44 Mbit/s

95th percentile per-packet one-way delay: 55.363 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 55.485 ms

Loss rate: 0.00%

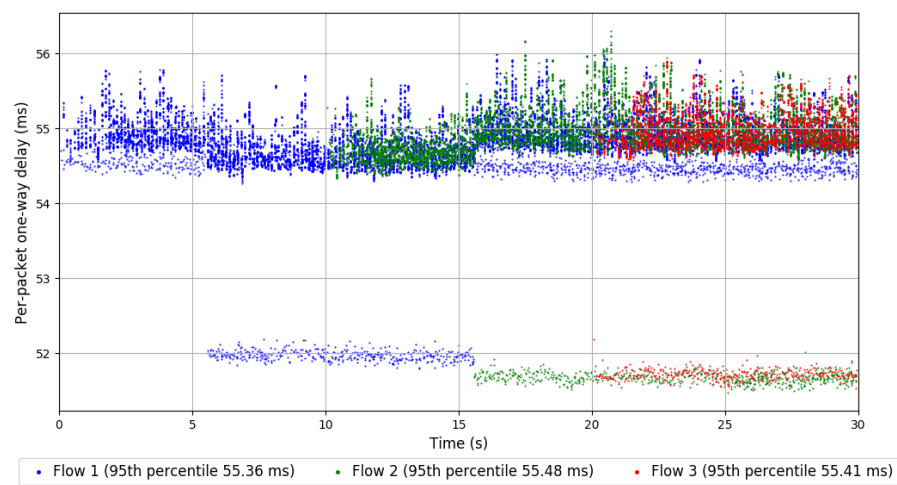
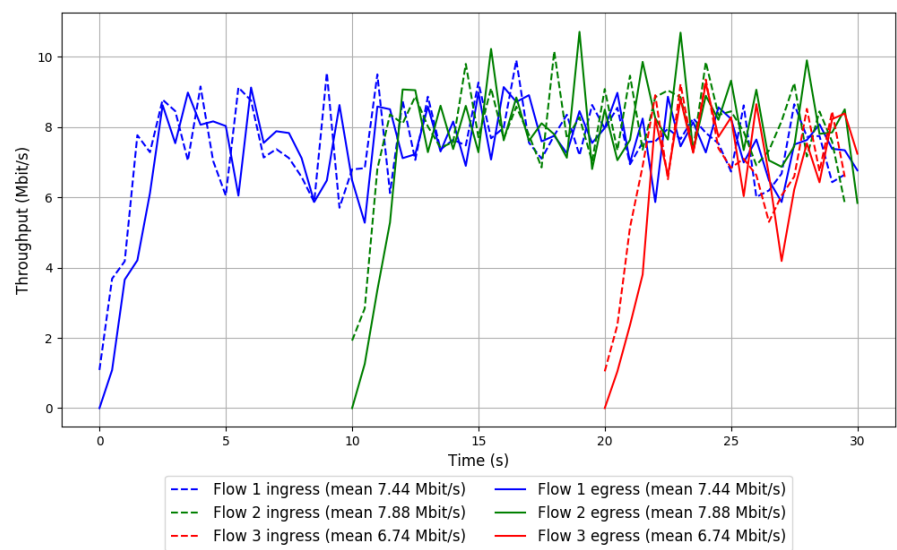
-- Flow 3:

Average throughput: 6.74 Mbit/s

95th percentile per-packet one-way delay: 55.414 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

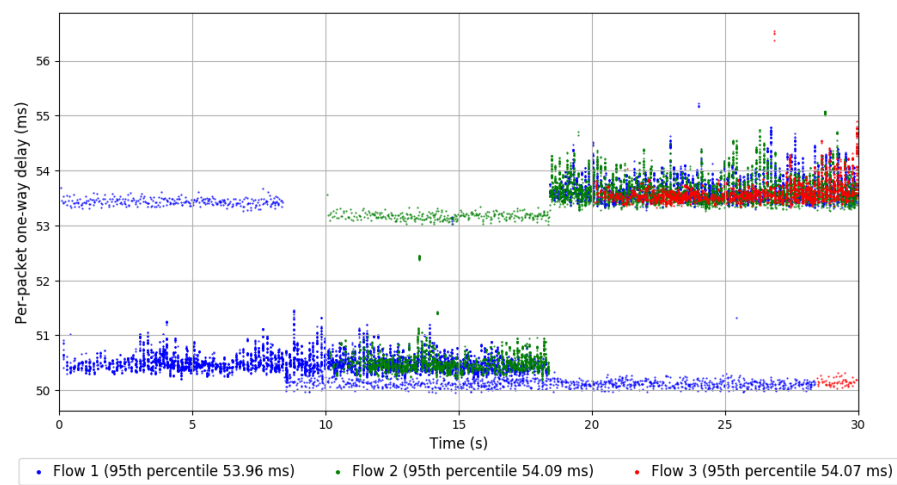
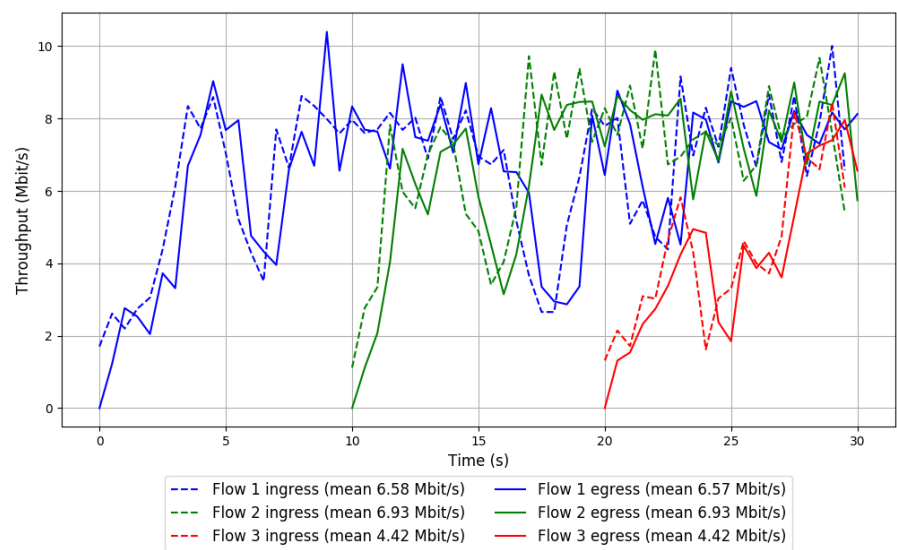


Run 6: Statistics of Sprout

Start at: 2018-07-26 20:32:12
End at: 2018-07-26 20:32:42
Local clock offset: 0.133 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2018-07-27 01:36:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.64 Mbit/s
95th percentile per-packet one-way delay: 54.028 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 6.57 Mbit/s
95th percentile per-packet one-way delay: 53.960 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 6.93 Mbit/s
95th percentile per-packet one-way delay: 54.089 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 54.066 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

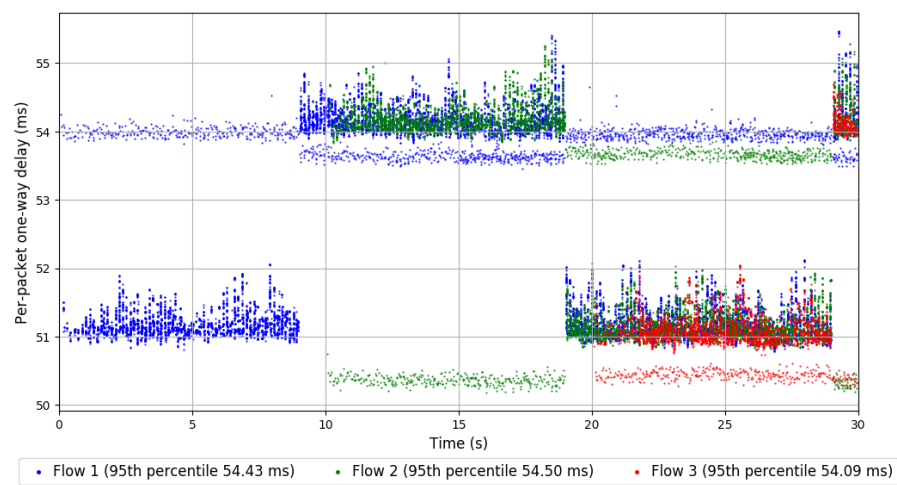
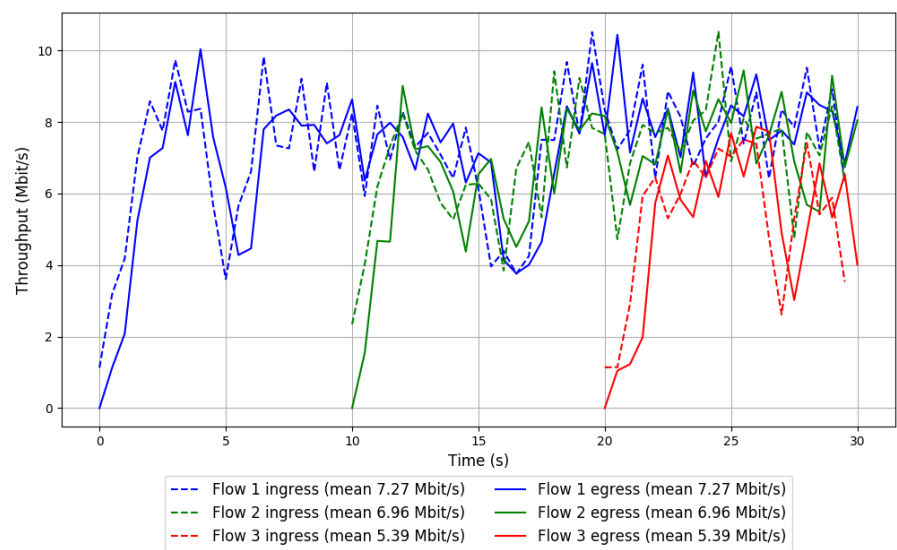


Run 7: Statistics of Sprout

Start at: 2018-07-26 20:57:01
End at: 2018-07-26 20:57:31
Local clock offset: -0.157 ms
Remote clock offset: 0.139 ms

Below is generated by plot.py at 2018-07-27 01:36:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.68 Mbit/s
95th percentile per-packet one-way delay: 54.429 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 54.429 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 54.498 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.39 Mbit/s
95th percentile per-packet one-way delay: 54.090 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

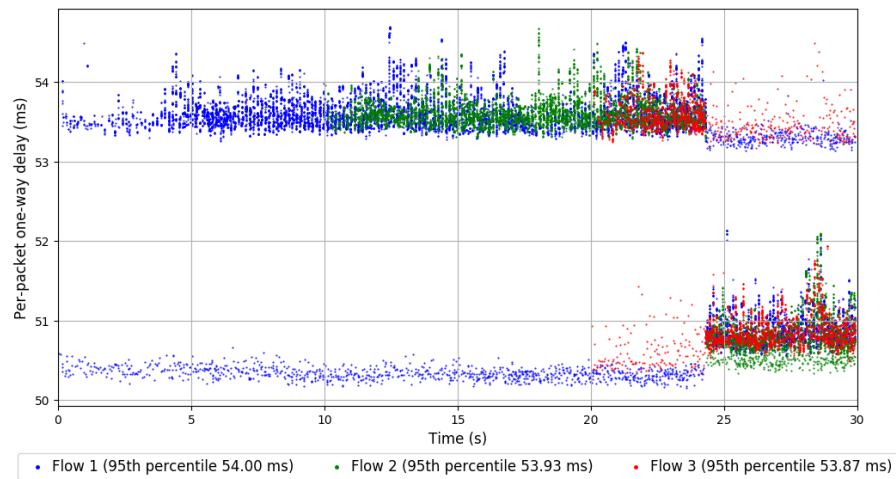
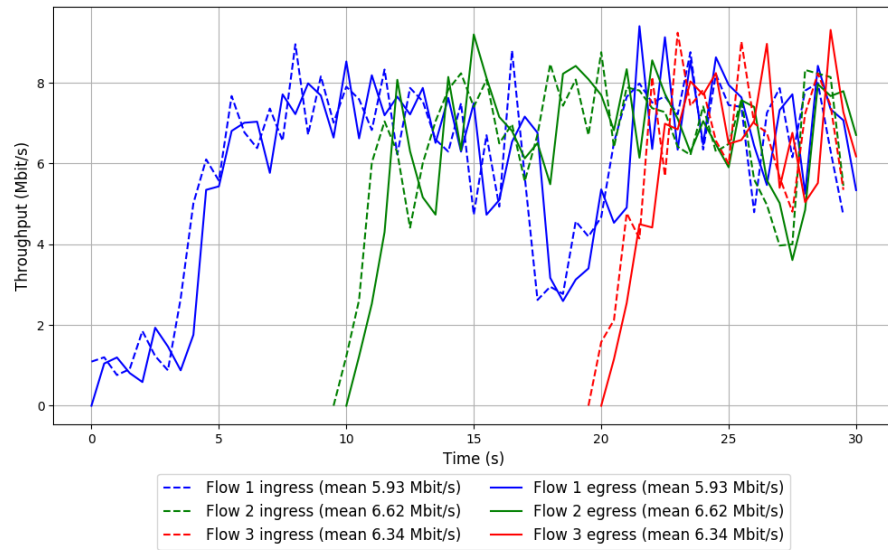


Run 8: Statistics of Sprout

Start at: 2018-07-26 21:21:56
End at: 2018-07-26 21:22:26
Local clock offset: -0.08 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-27 01:36:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.43 Mbit/s
95th percentile per-packet one-way delay: 53.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.93 Mbit/s
95th percentile per-packet one-way delay: 54.004 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 53.929 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.34 Mbit/s
95th percentile per-packet one-way delay: 53.874 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

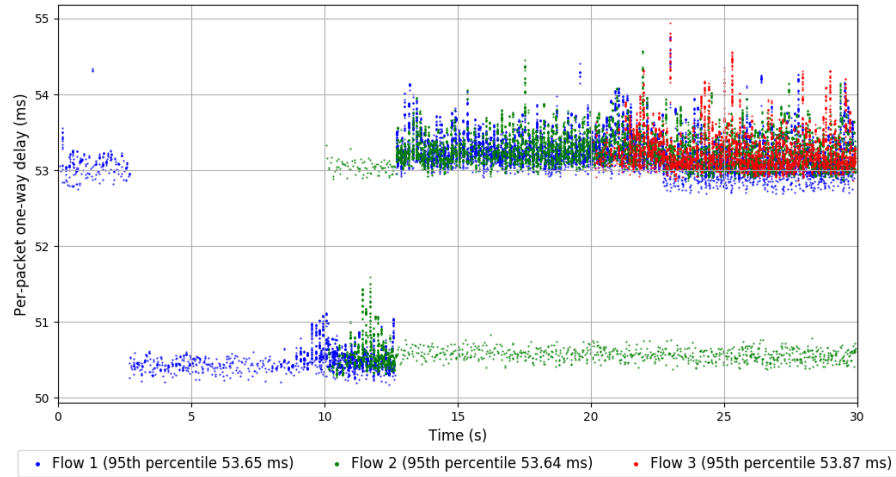
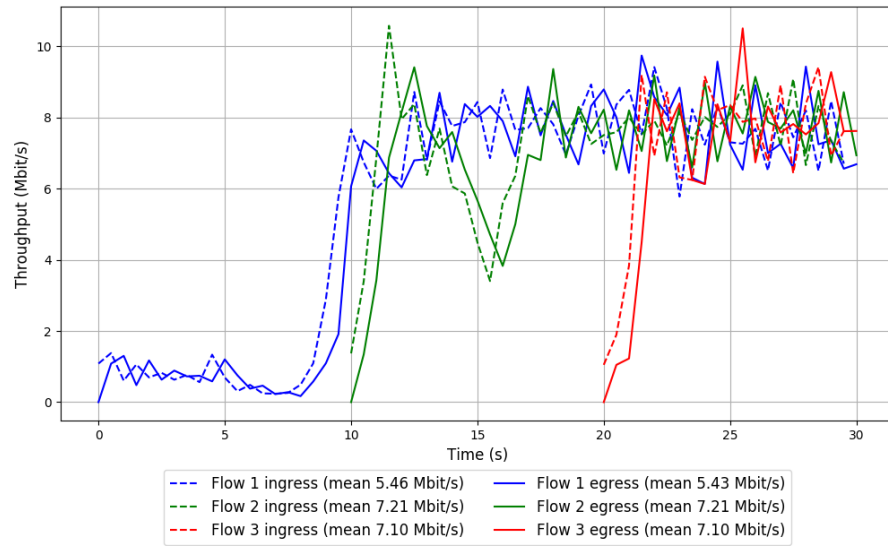


Run 9: Statistics of Sprout

Start at: 2018-07-26 21:46:58
End at: 2018-07-26 21:47:28
Local clock offset: 0.04 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-07-27 01:36:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.57 Mbit/s
95th percentile per-packet one-way delay: 53.679 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 5.43 Mbit/s
95th percentile per-packet one-way delay: 53.654 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 53.637 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.10 Mbit/s
95th percentile per-packet one-way delay: 53.870 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

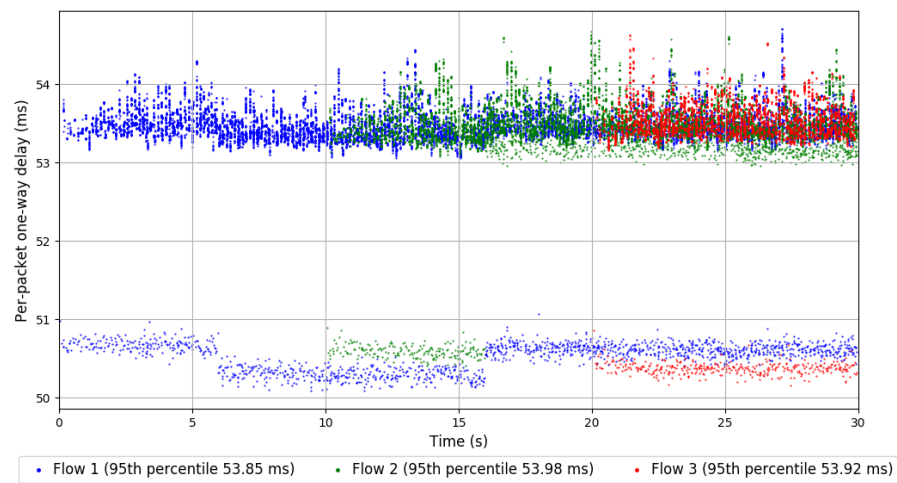
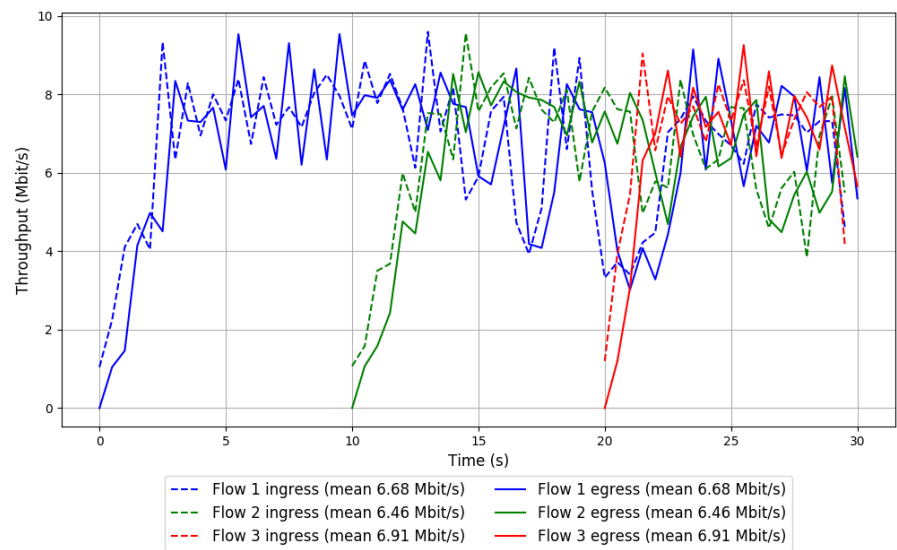


Run 10: Statistics of Sprout

Start at: 2018-07-26 22:11:44
End at: 2018-07-26 22:12:14
Local clock offset: 0.132 ms
Remote clock offset: 0.104 ms

Below is generated by plot.py at 2018-07-27 01:36:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.26 Mbit/s
95th percentile per-packet one-way delay: 53.906 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.68 Mbit/s
95th percentile per-packet one-way delay: 53.847 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 53.976 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 53.919 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

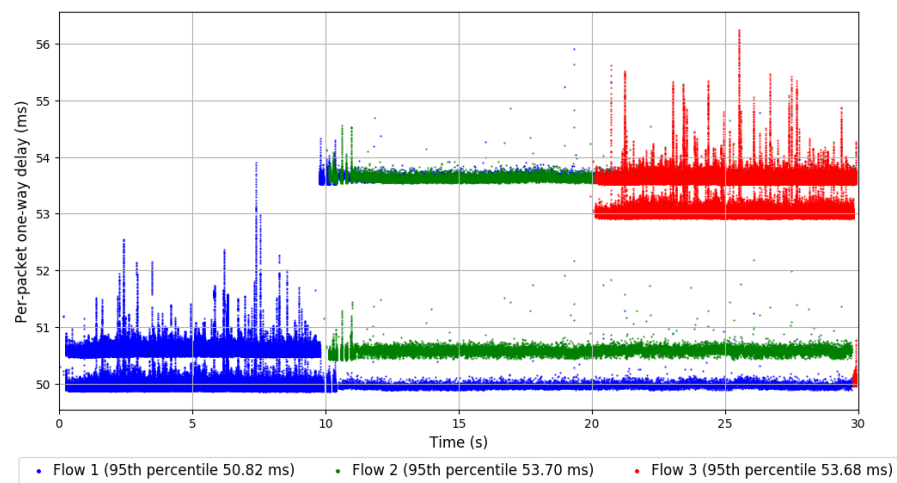
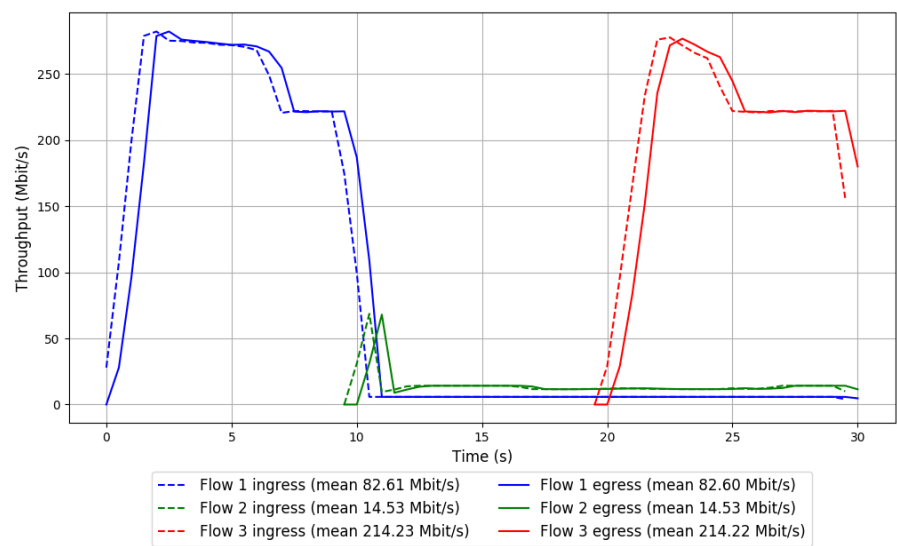


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-26 18:19:10
End at: 2018-07-26 18:19:40
Local clock offset: -0.086 ms
Remote clock offset: 0.075 ms

# Below is generated by plot.py at 2018-07-27 01:37:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 163.84 Mbit/s
95th percentile per-packet one-way delay: 53.656 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.60 Mbit/s
95th percentile per-packet one-way delay: 50.817 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.53 Mbit/s
95th percentile per-packet one-way delay: 53.702 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 214.22 Mbit/s
95th percentile per-packet one-way delay: 53.679 ms
Loss rate: 0.00%
```


Run 1: Report of TaoVA-100x — Data Link

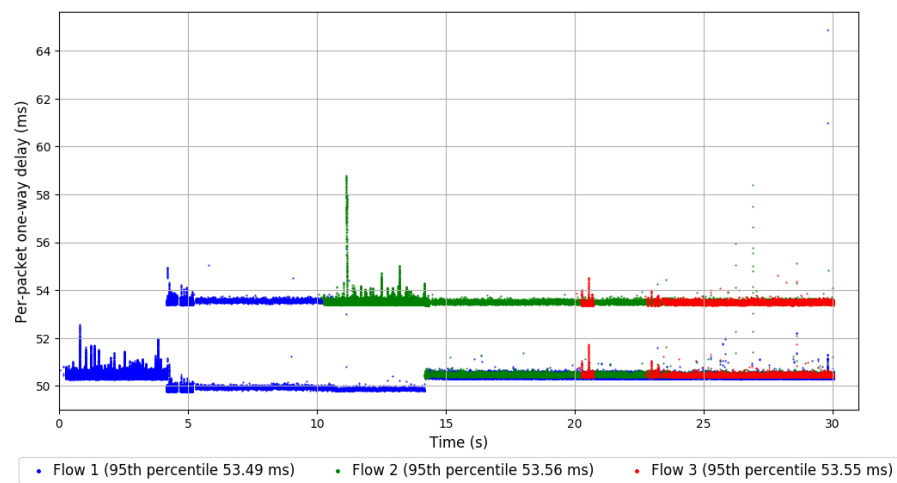
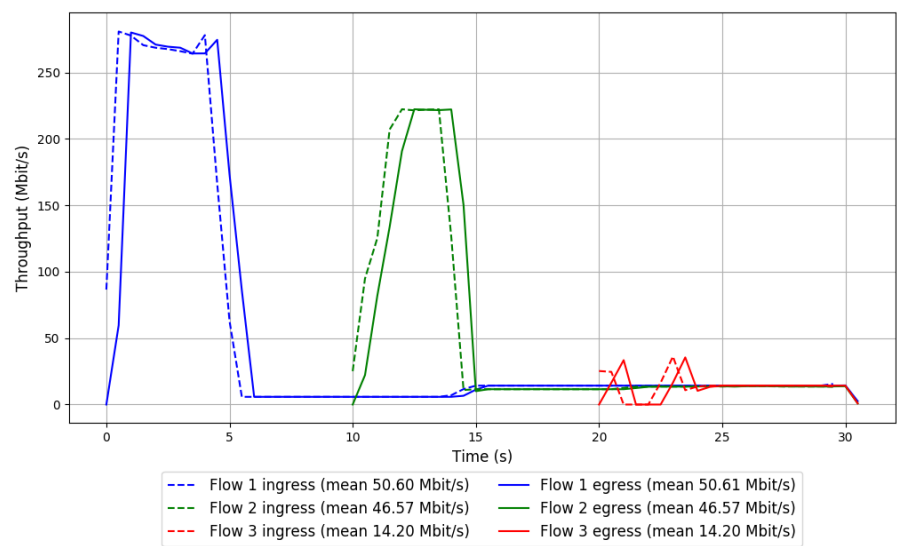


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-26 18:43:56
End at: 2018-07-26 18:44:26
Local clock offset: -0.091 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-27 01:37:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.34 Mbit/s
95th percentile per-packet one-way delay: 53.537 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.61 Mbit/s
95th percentile per-packet one-way delay: 53.488 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.57 Mbit/s
95th percentile per-packet one-way delay: 53.565 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.20 Mbit/s
95th percentile per-packet one-way delay: 53.555 ms
Loss rate: 0.00%

Run 2: Report of TaoVA-100x — Data Link

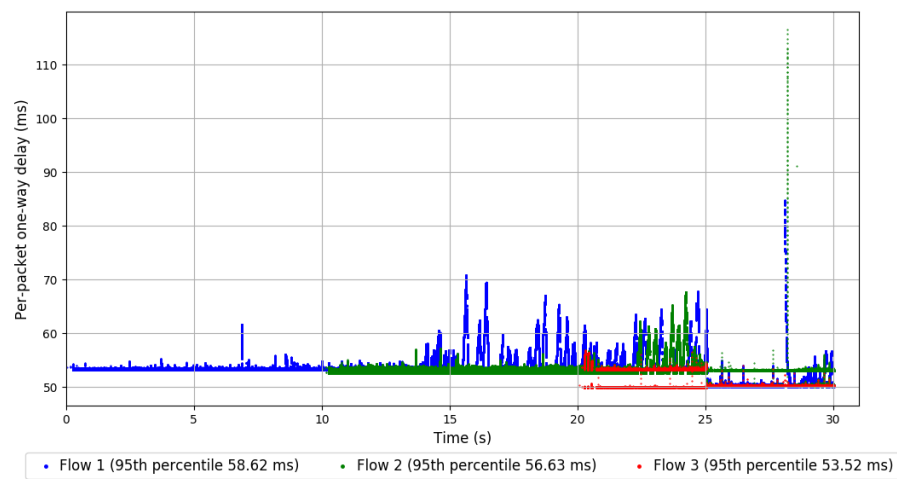
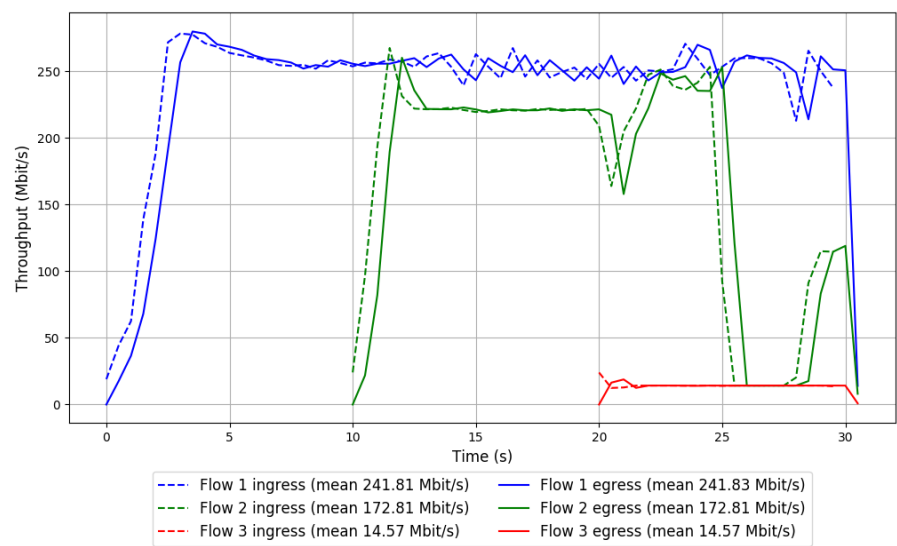


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-26 19:08:45
End at: 2018-07-26 19:09:15
Local clock offset: -0.123 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2018-07-27 01:45:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 361.78 Mbit/s
95th percentile per-packet one-way delay: 57.953 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 241.83 Mbit/s
95th percentile per-packet one-way delay: 58.619 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 172.81 Mbit/s
95th percentile per-packet one-way delay: 56.630 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.57 Mbit/s
95th percentile per-packet one-way delay: 53.519 ms
Loss rate: 0.00%

Run 3: Report of TaoVA-100x — Data Link

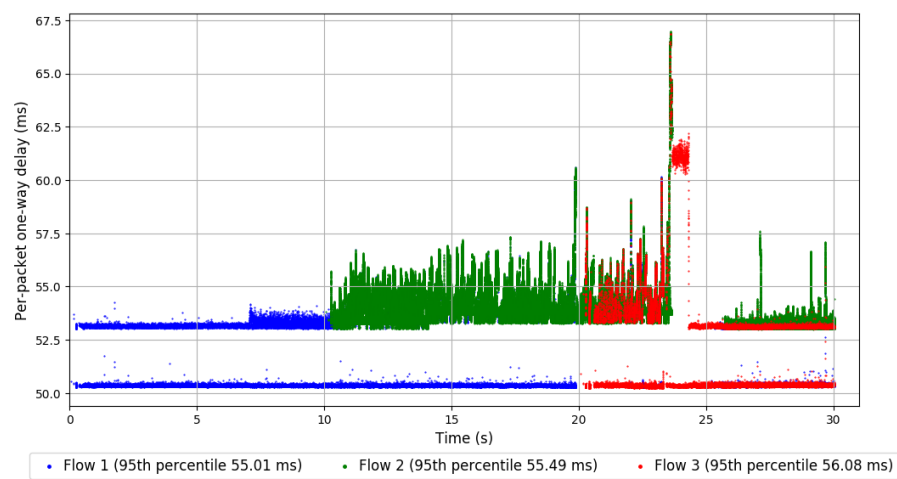
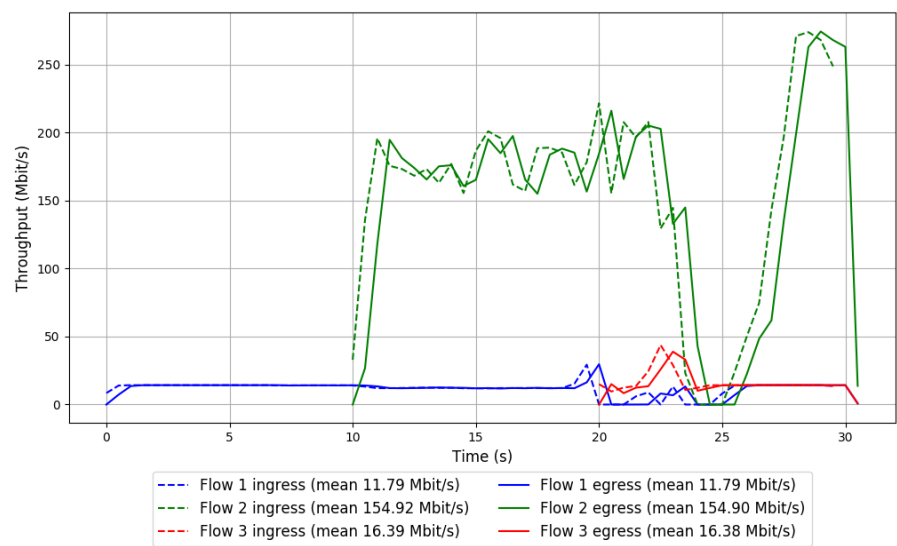


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-26 19:33:46
End at: 2018-07-26 19:34:16
Local clock offset: -0.271 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-27 01:45:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 120.43 Mbit/s
95th percentile per-packet one-way delay: 55.481 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 11.79 Mbit/s
95th percentile per-packet one-way delay: 55.014 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 154.90 Mbit/s
95th percentile per-packet one-way delay: 55.494 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 16.38 Mbit/s
95th percentile per-packet one-way delay: 56.083 ms
Loss rate: 0.01%

Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-26 19:58:11

End at: 2018-07-26 19:58:41

Local clock offset: -0.11 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2018-07-27 01:45:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 113.35 Mbit/s

95th percentile per-packet one-way delay: 53.288 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 20.24 Mbit/s

95th percentile per-packet one-way delay: 53.691 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 29.77 Mbit/s

95th percentile per-packet one-way delay: 53.278 ms

Loss rate: 0.00%

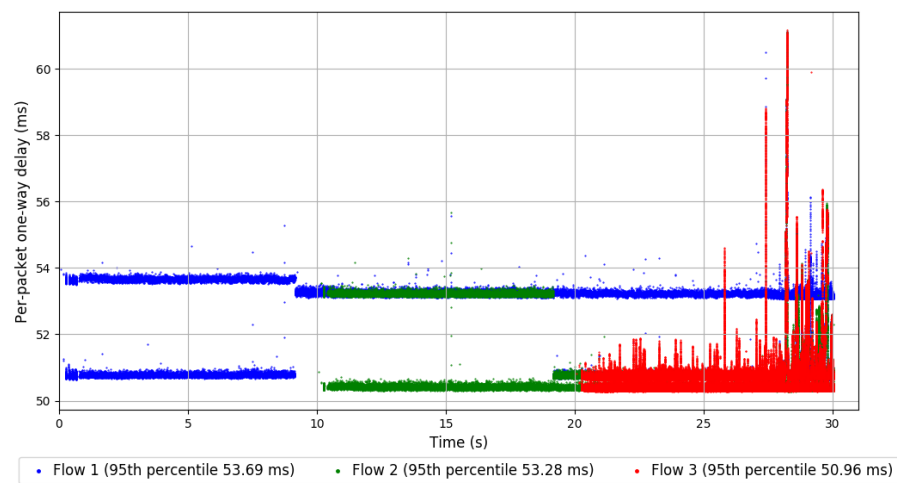
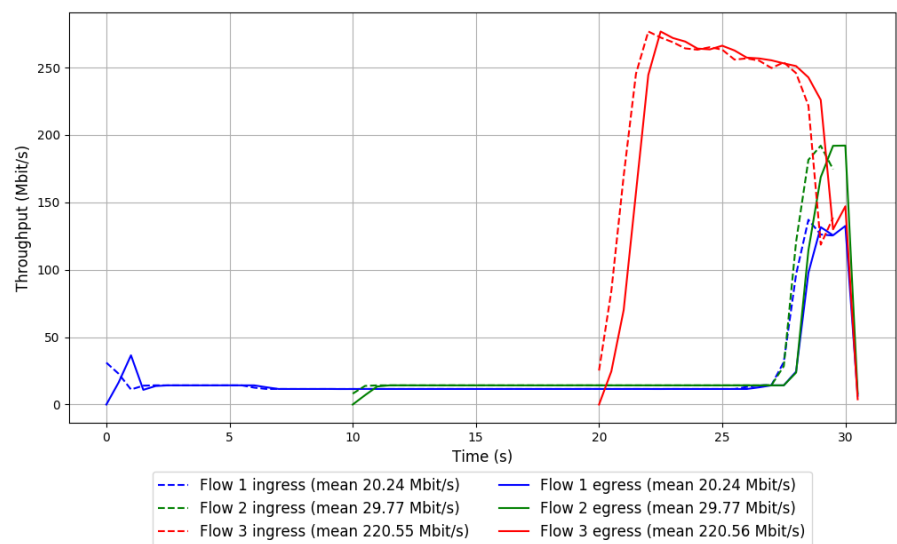
-- Flow 3:

Average throughput: 220.56 Mbit/s

95th percentile per-packet one-way delay: 50.956 ms

Loss rate: 0.00%

Run 5: Report of TaoVA-100x — Data Link



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-26 20:22:40

End at: 2018-07-26 20:23:10

Local clock offset: -0.26 ms

Remote clock offset: -0.3 ms

Below is generated by plot.py at 2018-07-27 01:45:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 107.08 Mbit/s

95th percentile per-packet one-way delay: 53.702 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 97.40 Mbit/s

95th percentile per-packet one-way delay: 53.702 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.34 Mbit/s

95th percentile per-packet one-way delay: 53.733 ms

Loss rate: 0.00%

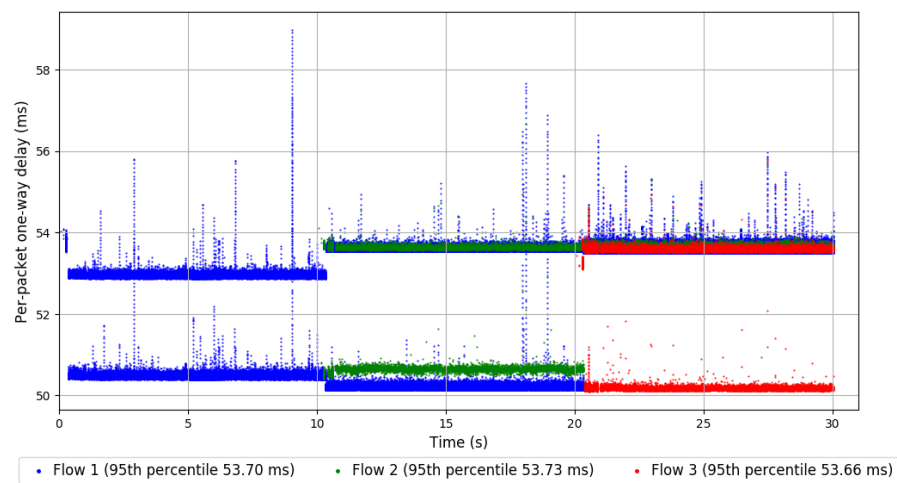
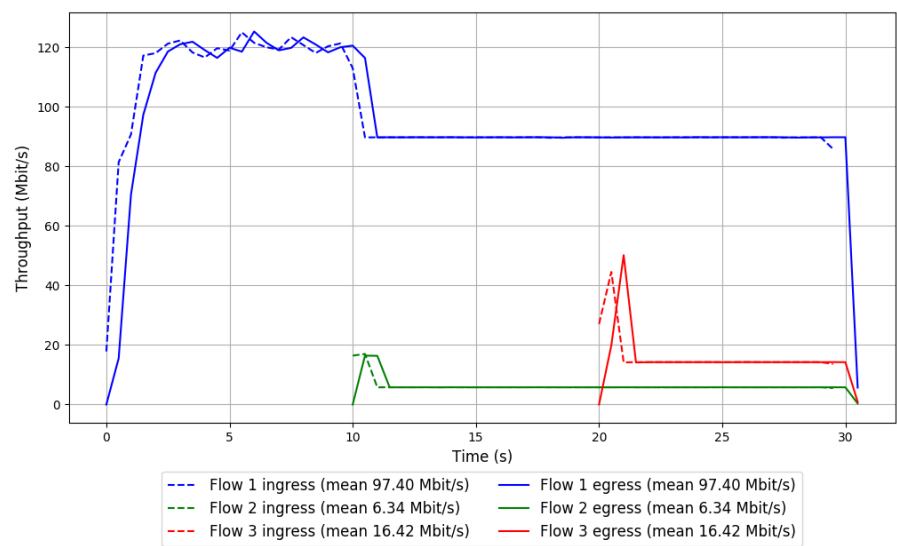
-- Flow 3:

Average throughput: 16.42 Mbit/s

95th percentile per-packet one-way delay: 53.659 ms

Loss rate: 0.00%

Run 6: Report of TaoVA-100x — Data Link



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-26 20:47:30

End at: 2018-07-26 20:48:00

Local clock offset: 0.013 ms

Remote clock offset: 0.158 ms

Below is generated by plot.py at 2018-07-27 01:45:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 270.95 Mbit/s

95th percentile per-packet one-way delay: 55.988 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 83.85 Mbit/s

95th percentile per-packet one-way delay: 55.194 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 237.52 Mbit/s

95th percentile per-packet one-way delay: 55.919 ms

Loss rate: 0.01%

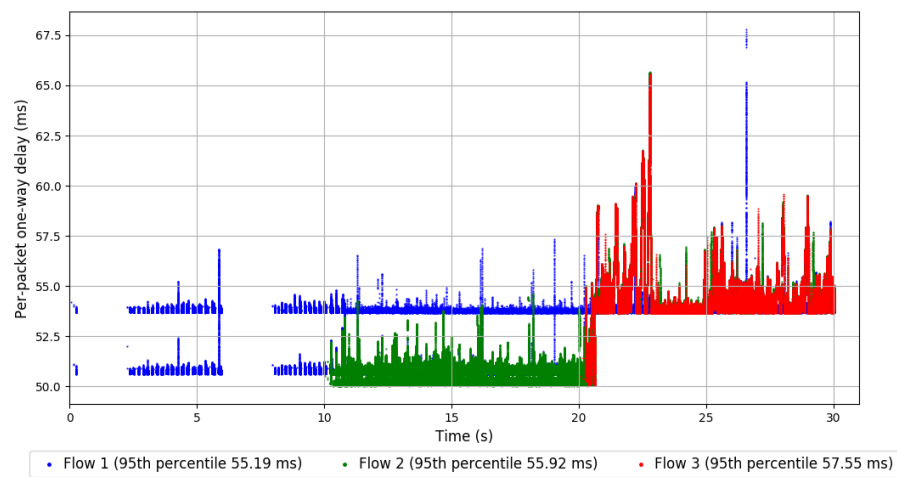
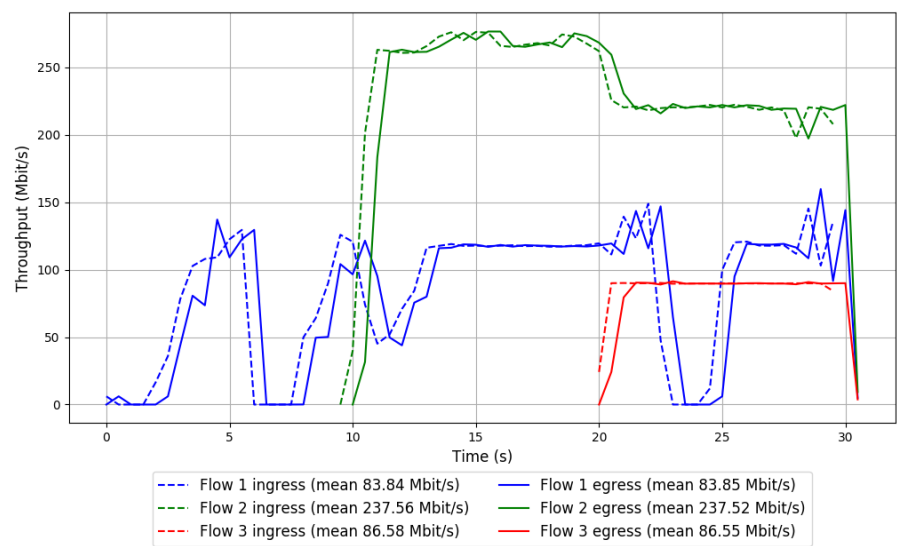
-- Flow 3:

Average throughput: 86.55 Mbit/s

95th percentile per-packet one-way delay: 57.547 ms

Loss rate: 0.01%

Run 7: Report of TaoVA-100x — Data Link

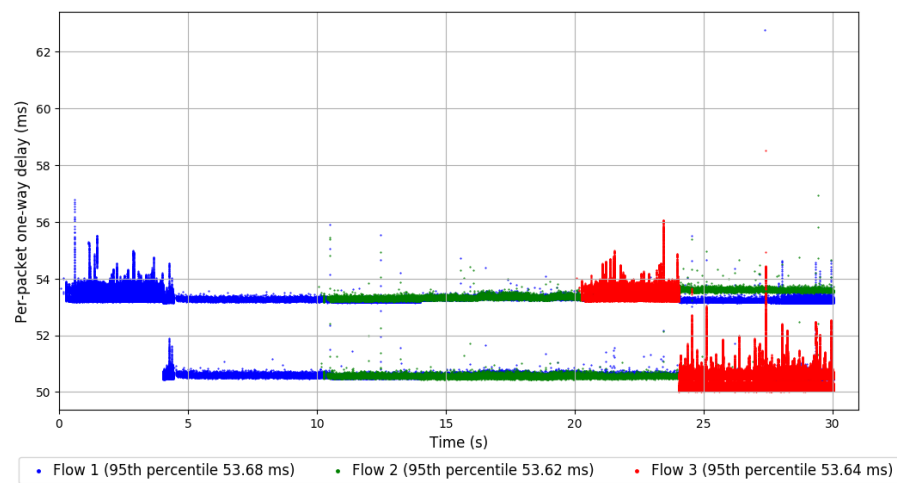
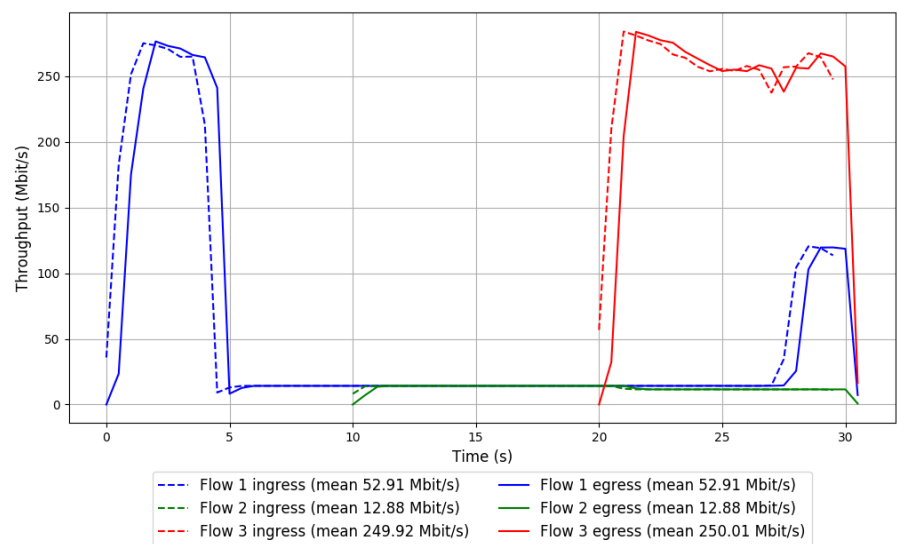


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-26 21:12:26
End at: 2018-07-26 21:12:56
Local clock offset: -0.148 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-07-27 01:45:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 144.53 Mbit/s
95th percentile per-packet one-way delay: 53.657 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.91 Mbit/s
95th percentile per-packet one-way delay: 53.681 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.88 Mbit/s
95th percentile per-packet one-way delay: 53.616 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 250.01 Mbit/s
95th percentile per-packet one-way delay: 53.642 ms
Loss rate: 0.00%

Run 8: Report of TaoVA-100x — Data Link

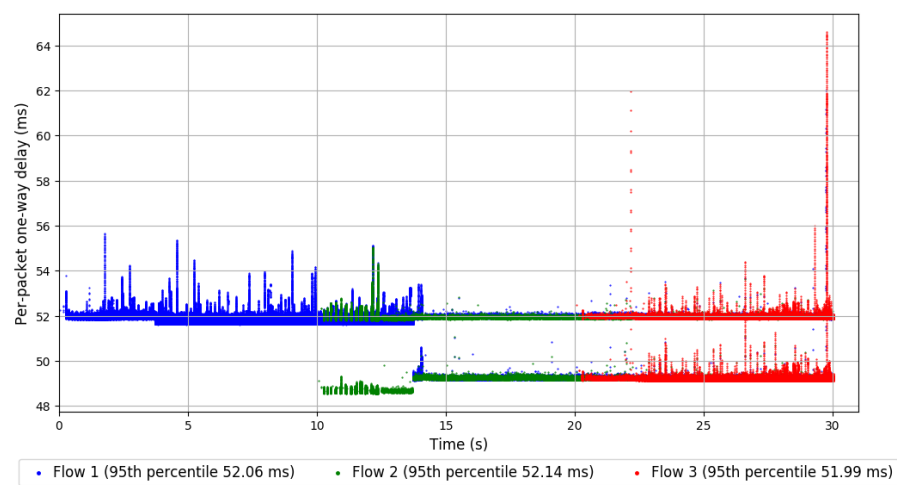
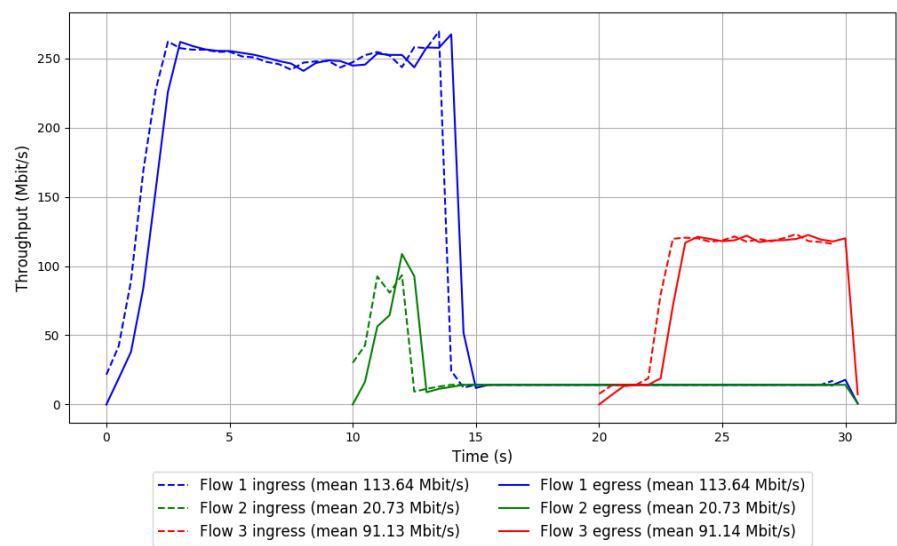


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-26 21:37:17
End at: 2018-07-26 21:37:47
Local clock offset: -0.051 ms
Remote clock offset: -1.328 ms

Below is generated by plot.py at 2018-07-27 01:45:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 157.72 Mbit/s
95th percentile per-packet one-way delay: 52.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 113.64 Mbit/s
95th percentile per-packet one-way delay: 52.063 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.73 Mbit/s
95th percentile per-packet one-way delay: 52.143 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 91.14 Mbit/s
95th percentile per-packet one-way delay: 51.995 ms
Loss rate: 0.00%

Run 9: Report of TaoVA-100x — Data Link



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-26 22:02:14

End at: 2018-07-26 22:02:44

Local clock offset: -0.055 ms

Remote clock offset: 0.145 ms

Below is generated by plot.py at 2018-07-27 01:47:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 267.28 Mbit/s

95th percentile per-packet one-way delay: 53.990 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 132.40 Mbit/s

95th percentile per-packet one-way delay: 53.754 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 80.61 Mbit/s

95th percentile per-packet one-way delay: 53.846 ms

Loss rate: 0.01%

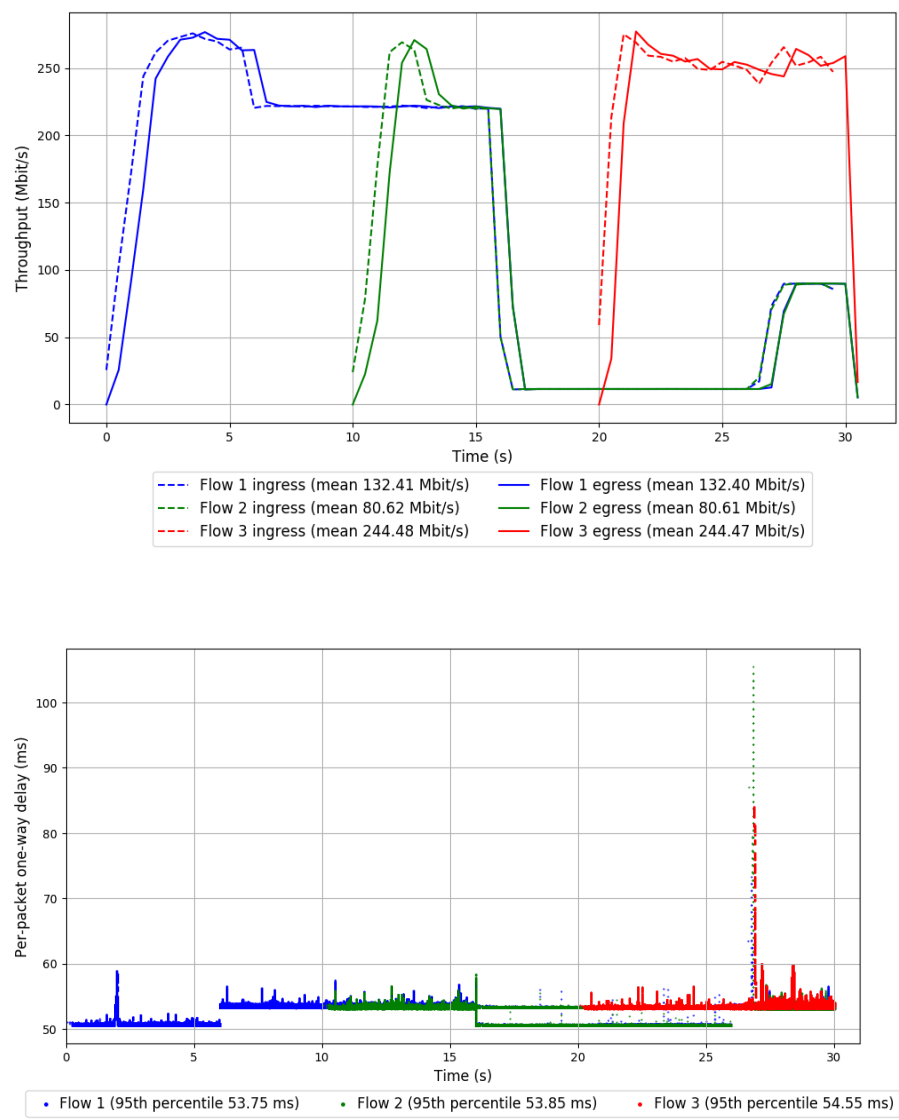
-- Flow 3:

Average throughput: 244.47 Mbit/s

95th percentile per-packet one-way delay: 54.545 ms

Loss rate: 0.03%

Run 10: Report of TaoVA-100x — Data Link



Run 1: Statistics of TCP Vegas

Start at: 2018-07-26 18:27:22

End at: 2018-07-26 18:27:52

Local clock offset: 0.117 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-27 01:47:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 175.66 Mbit/s

95th percentile per-packet one-way delay: 54.414 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 67.76 Mbit/s

95th percentile per-packet one-way delay: 54.478 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 132.94 Mbit/s

95th percentile per-packet one-way delay: 54.293 ms

Loss rate: 0.02%

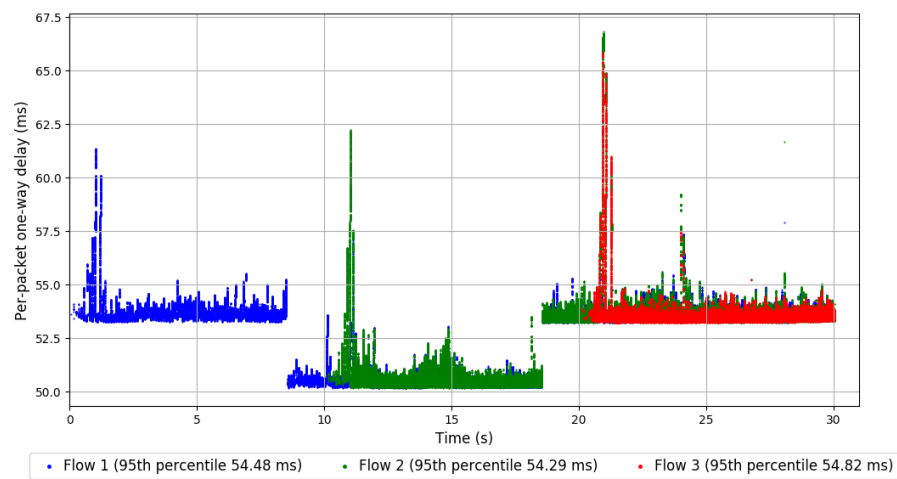
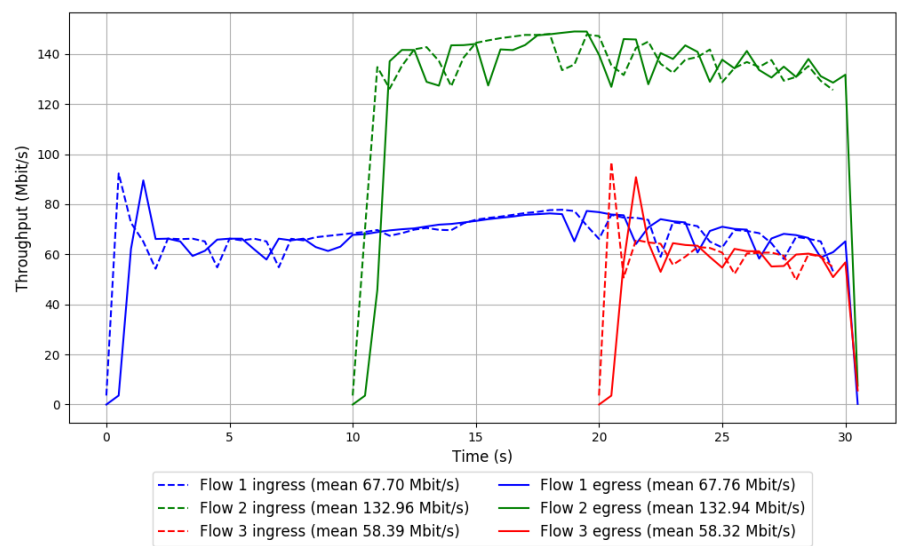
-- Flow 3:

Average throughput: 58.32 Mbit/s

95th percentile per-packet one-way delay: 54.819 ms

Loss rate: 0.15%

Run 1: Report of TCP Vegas — Data Link

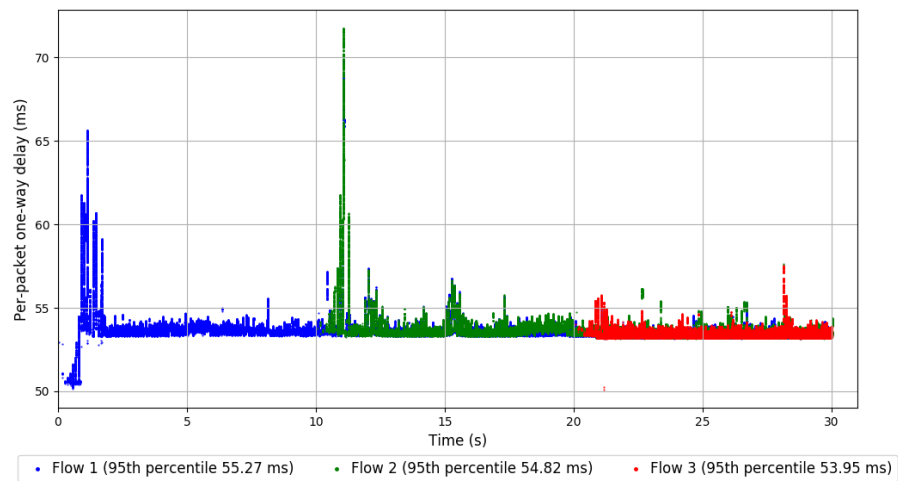
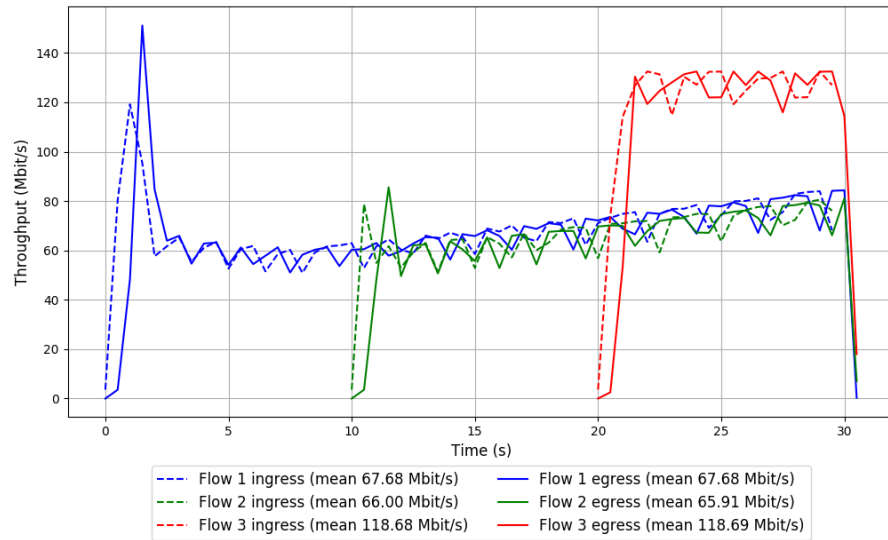


Run 2: Statistics of TCP Vegas

Start at: 2018-07-26 18:51:59
End at: 2018-07-26 18:52:29
Local clock offset: 0.136 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-27 01:47:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 150.86 Mbit/s
95th percentile per-packet one-way delay: 54.648 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 67.68 Mbit/s
95th percentile per-packet one-way delay: 55.271 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.91 Mbit/s
95th percentile per-packet one-way delay: 54.816 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 118.69 Mbit/s
95th percentile per-packet one-way delay: 53.948 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

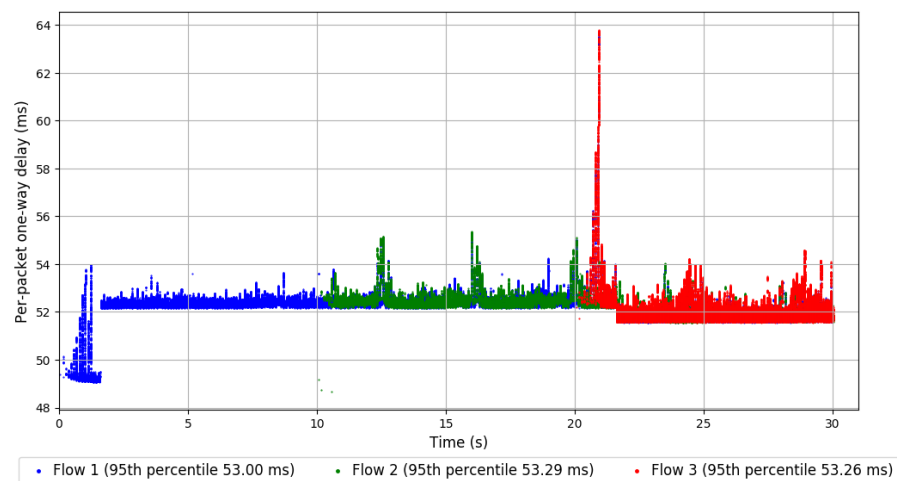
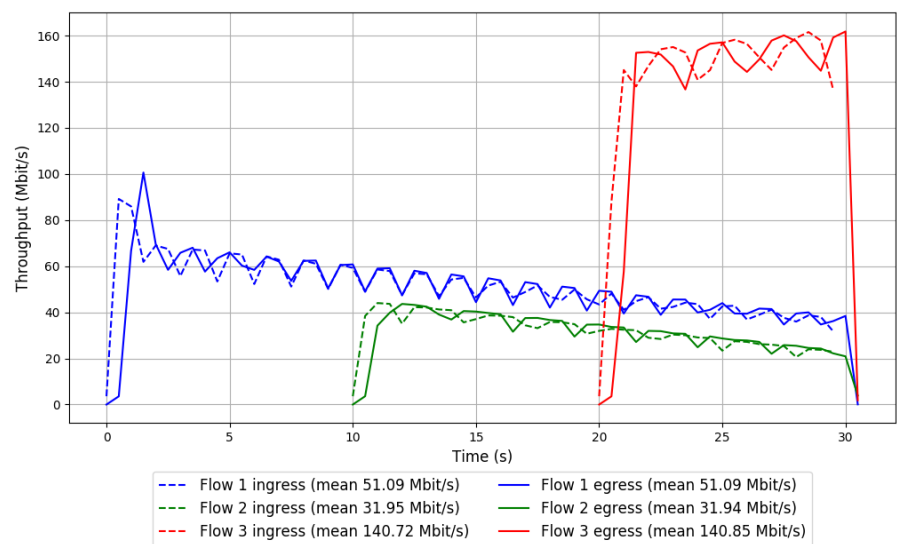


Run 3: Statistics of TCP Vegas

Start at: 2018-07-26 19:17:09
End at: 2018-07-26 19:17:39
Local clock offset: -0.069 ms
Remote clock offset: -1.247 ms

Below is generated by plot.py at 2018-07-27 01:47:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 119.12 Mbit/s
95th percentile per-packet one-way delay: 53.145 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 51.09 Mbit/s
95th percentile per-packet one-way delay: 53.000 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: 53.289 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 140.85 Mbit/s
95th percentile per-packet one-way delay: 53.255 ms
Loss rate: 0.03%

Run 3: Report of TCP Vegas — Data Link

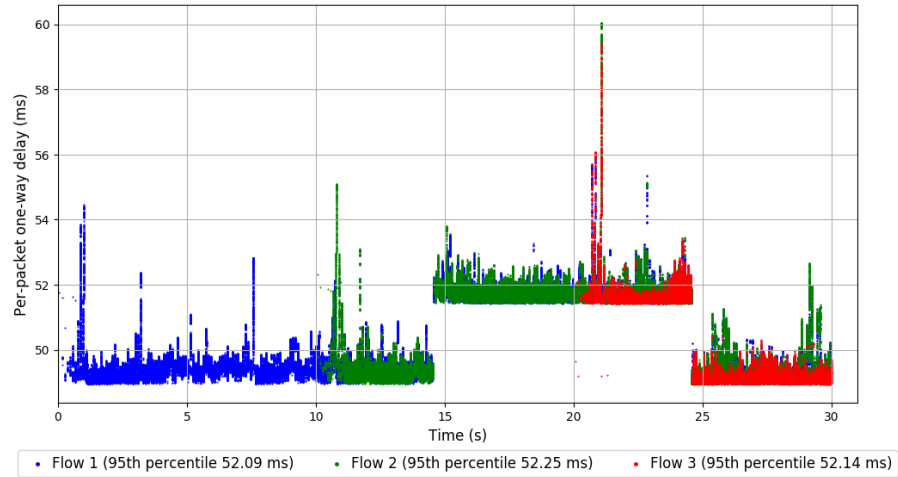
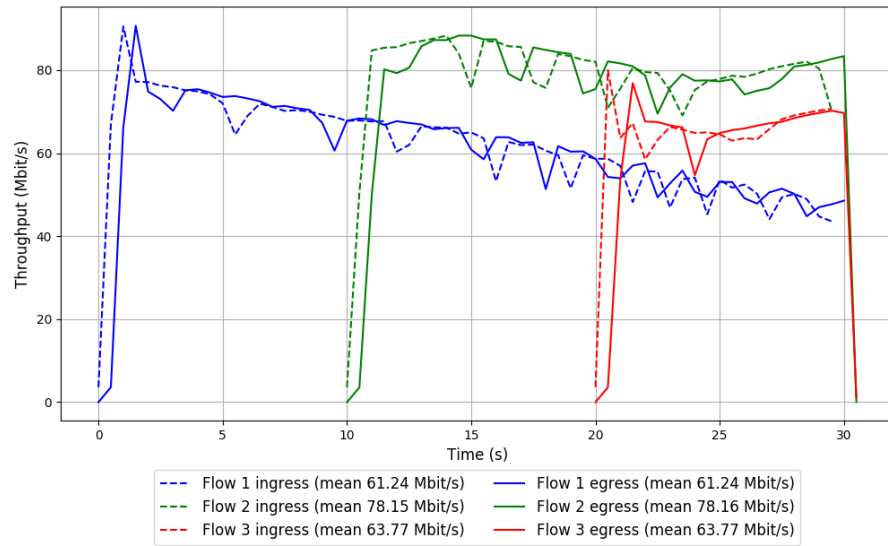


Run 4: Statistics of TCP Vegas

Start at: 2018-07-26 19:41:56
End at: 2018-07-26 19:42:26
Local clock offset: 0.039 ms
Remote clock offset: -1.369 ms

Below is generated by plot.py at 2018-07-27 01:47:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 134.33 Mbit/s
95th percentile per-packet one-way delay: 52.166 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.24 Mbit/s
95th percentile per-packet one-way delay: 52.090 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 78.16 Mbit/s
95th percentile per-packet one-way delay: 52.246 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.77 Mbit/s
95th percentile per-packet one-way delay: 52.138 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

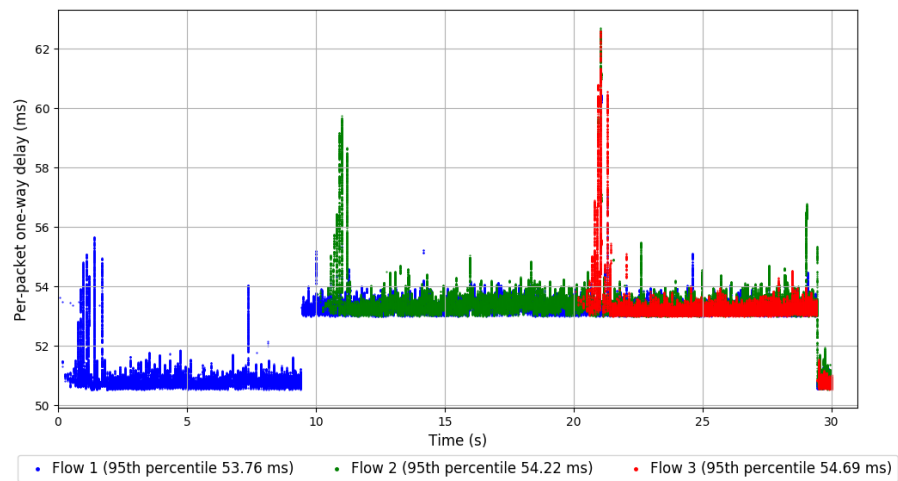
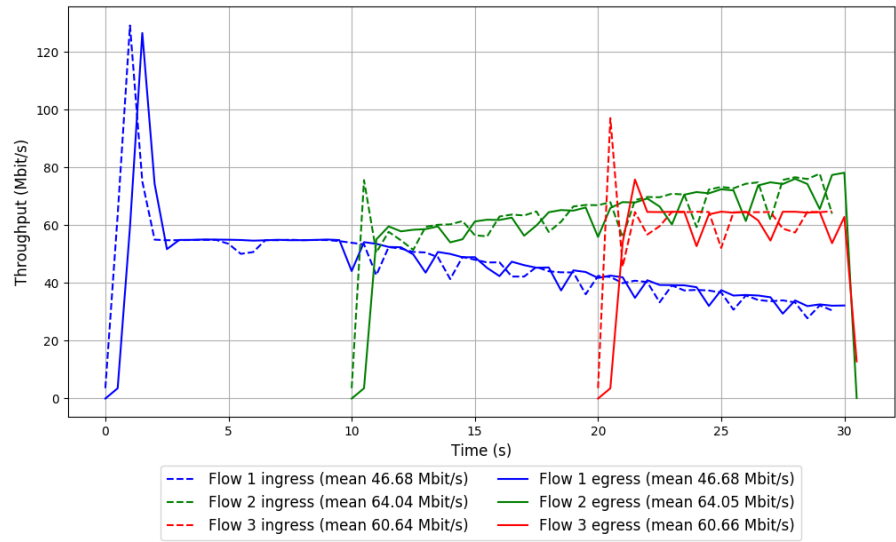


Run 5: Statistics of TCP Vegas

Start at: 2018-07-26 20:06:11
End at: 2018-07-26 20:06:41
Local clock offset: -0.145 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-27 01:47:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 109.41 Mbit/s
95th percentile per-packet one-way delay: 54.010 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.68 Mbit/s
95th percentile per-packet one-way delay: 53.755 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.05 Mbit/s
95th percentile per-packet one-way delay: 54.215 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 60.66 Mbit/s
95th percentile per-packet one-way delay: 54.688 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

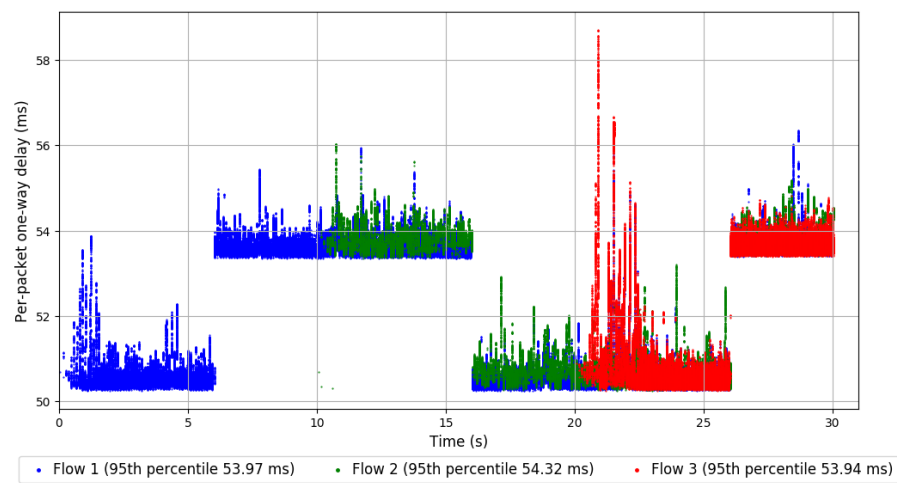
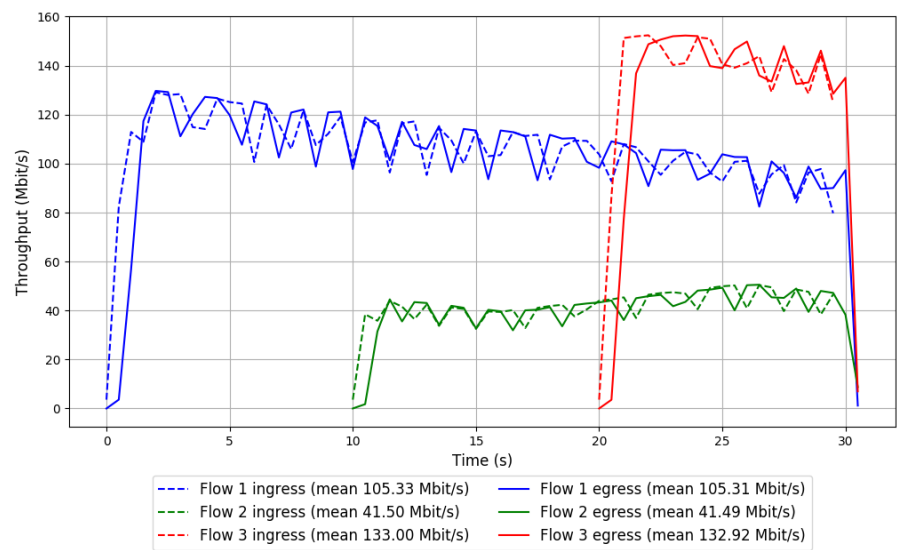


Run 6: Statistics of TCP Vegas

Start at: 2018-07-26 20:30:54
End at: 2018-07-26 20:31:24
Local clock offset: -0.002 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-07-27 01:47:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 177.05 Mbit/s
95th percentile per-packet one-way delay: 54.048 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 105.31 Mbit/s
95th percentile per-packet one-way delay: 53.973 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.49 Mbit/s
95th percentile per-packet one-way delay: 54.324 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 132.92 Mbit/s
95th percentile per-packet one-way delay: 53.941 ms
Loss rate: 0.06%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-26 20:55:46

End at: 2018-07-26 20:56:16

Local clock offset: -0.023 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-27 01:47:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 133.68 Mbit/s

95th percentile per-packet one-way delay: 54.492 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 107.42 Mbit/s

95th percentile per-packet one-way delay: 54.493 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 28.23 Mbit/s

95th percentile per-packet one-way delay: 54.418 ms

Loss rate: 0.00%

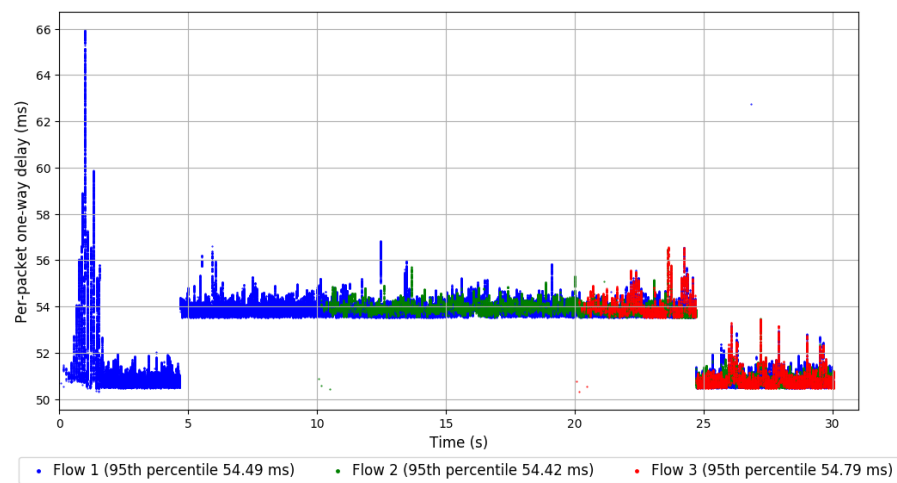
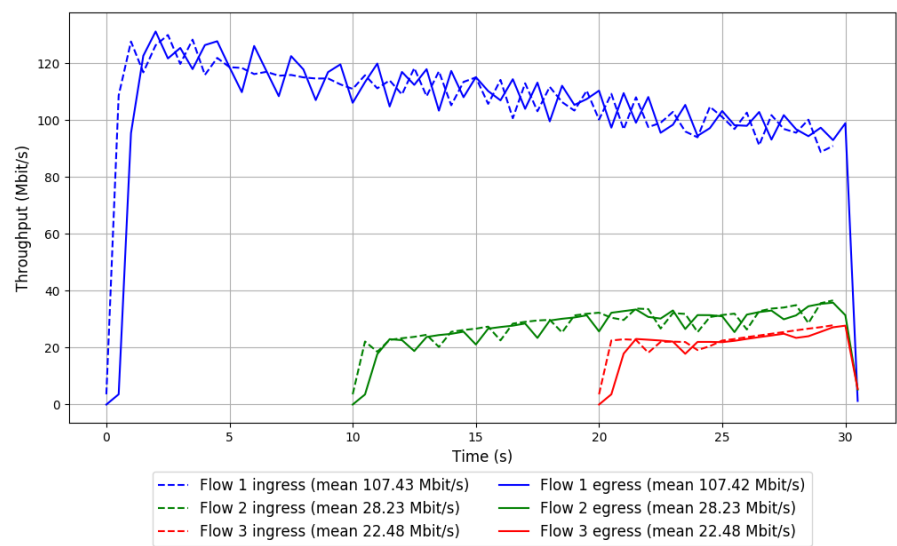
-- Flow 3:

Average throughput: 22.48 Mbit/s

95th percentile per-packet one-way delay: 54.789 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

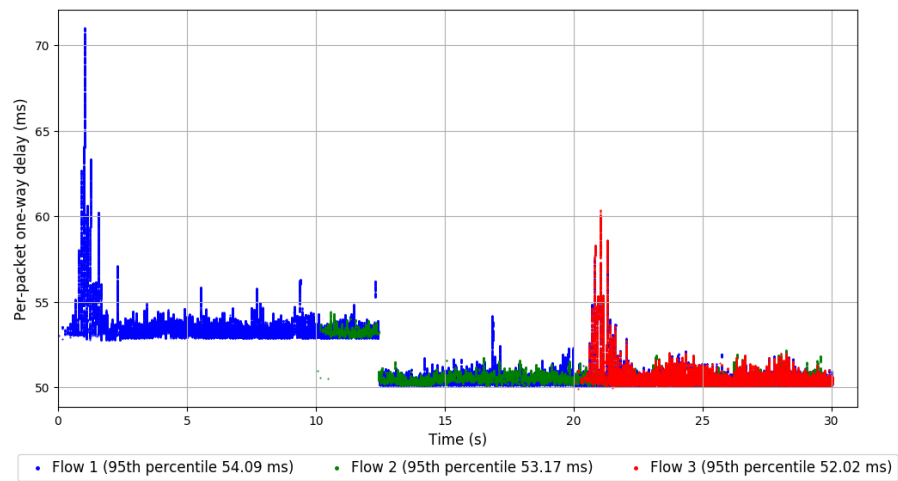
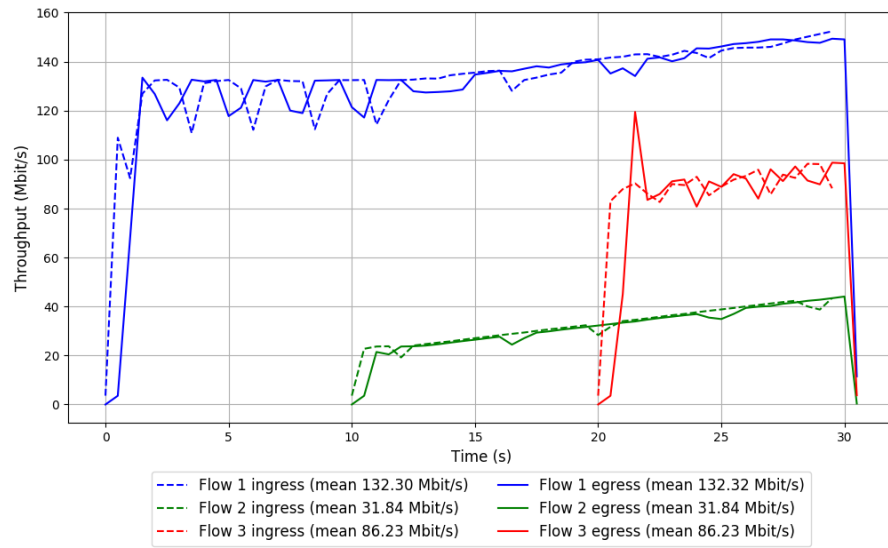


Run 8: Statistics of TCP Vegas

Start at: 2018-07-26 21:20:38
End at: 2018-07-26 21:21:08
Local clock offset: 0.002 ms
Remote clock offset: -0.343 ms

Below is generated by plot.py at 2018-07-27 01:47:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 182.12 Mbit/s
95th percentile per-packet one-way delay: 53.954 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.32 Mbit/s
95th percentile per-packet one-way delay: 54.088 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 53.167 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 86.23 Mbit/s
95th percentile per-packet one-way delay: 52.017 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-26 21:45:37

End at: 2018-07-26 21:46:07

Local clock offset: 0.043 ms

Remote clock offset: 0.314 ms

Below is generated by plot.py at 2018-07-27 01:48:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 247.32 Mbit/s

95th percentile per-packet one-way delay: 54.532 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 178.39 Mbit/s

95th percentile per-packet one-way delay: 54.497 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 75.90 Mbit/s

95th percentile per-packet one-way delay: 54.426 ms

Loss rate: 0.00%

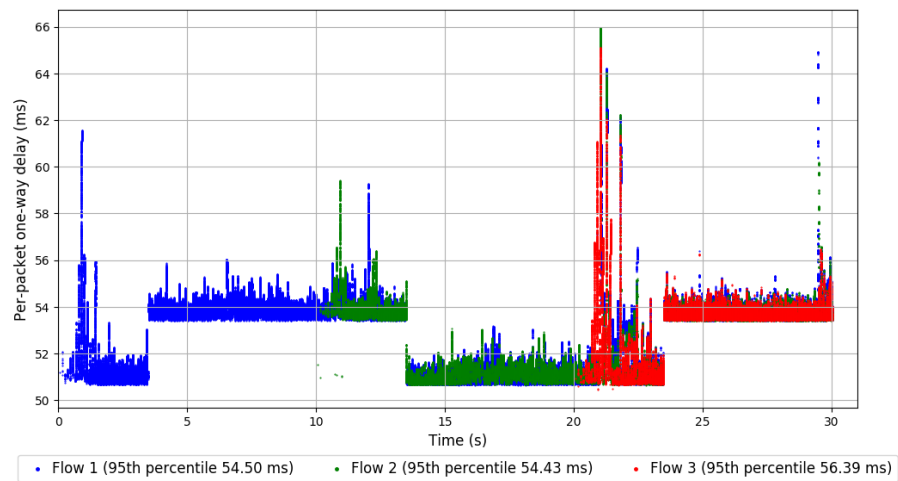
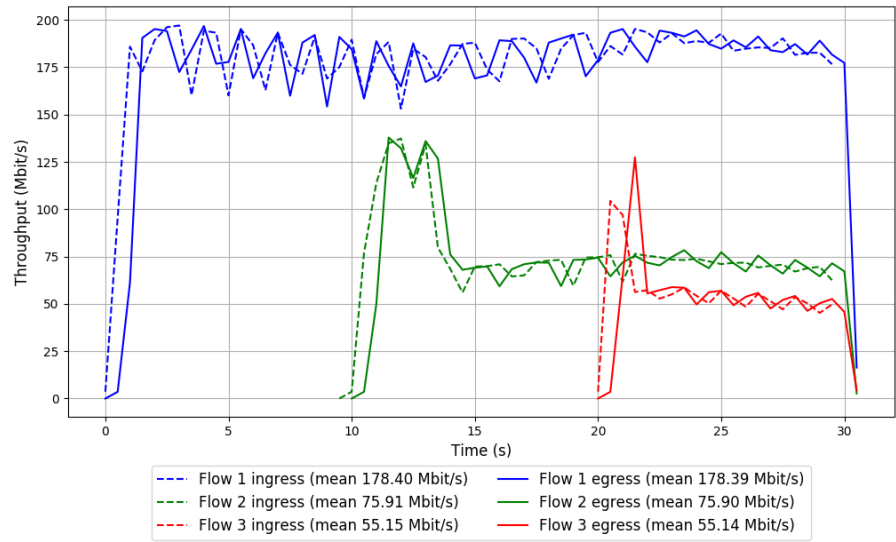
-- Flow 3:

Average throughput: 55.14 Mbit/s

95th percentile per-packet one-way delay: 56.391 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

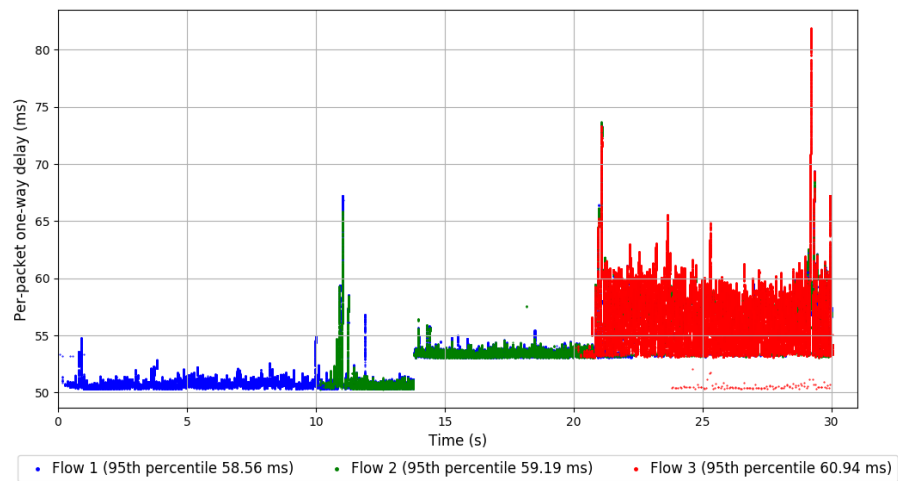
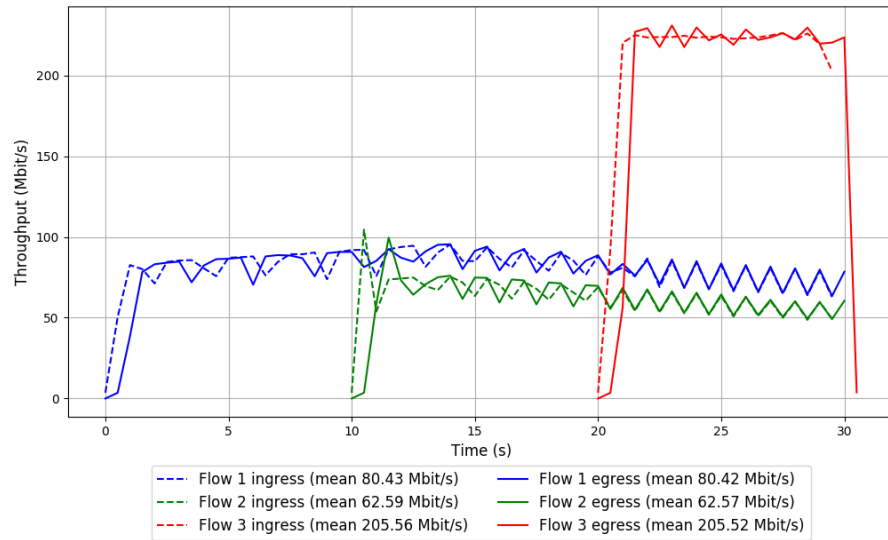


Run 10: Statistics of TCP Vegas

Start at: 2018-07-26 22:10:27
End at: 2018-07-26 22:10:57
Local clock offset: 0.083 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-27 01:48:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 190.22 Mbit/s
95th percentile per-packet one-way delay: 60.055 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.42 Mbit/s
95th percentile per-packet one-way delay: 58.563 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.57 Mbit/s
95th percentile per-packet one-way delay: 59.193 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 205.52 Mbit/s
95th percentile per-packet one-way delay: 60.936 ms
Loss rate: 0.01%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-26 18:20:33

End at: 2018-07-26 18:21:03

Local clock offset: -0.064 ms

Remote clock offset: 1.44 ms

Below is generated by plot.py at 2018-07-27 01:51:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 366.93 Mbit/s

95th percentile per-packet one-way delay: 115.653 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 184.34 Mbit/s

95th percentile per-packet one-way delay: 106.923 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 194.57 Mbit/s

95th percentile per-packet one-way delay: 115.335 ms

Loss rate: 0.40%

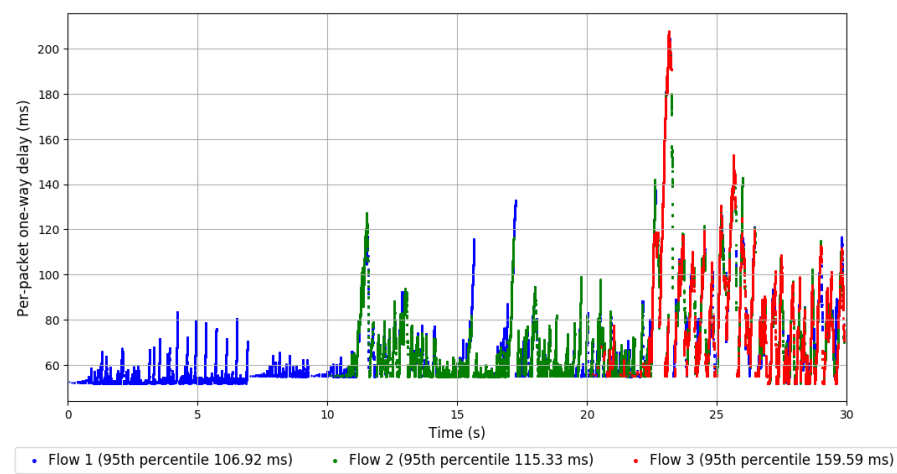
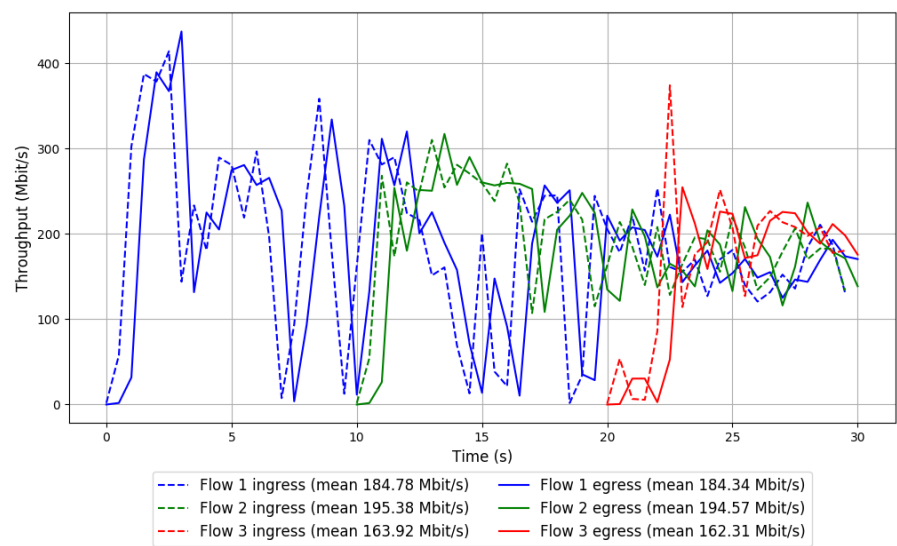
-- Flow 3:

Average throughput: 162.31 Mbit/s

95th percentile per-packet one-way delay: 159.594 ms

Loss rate: 1.10%

Run 1: Report of Verus — Data Link

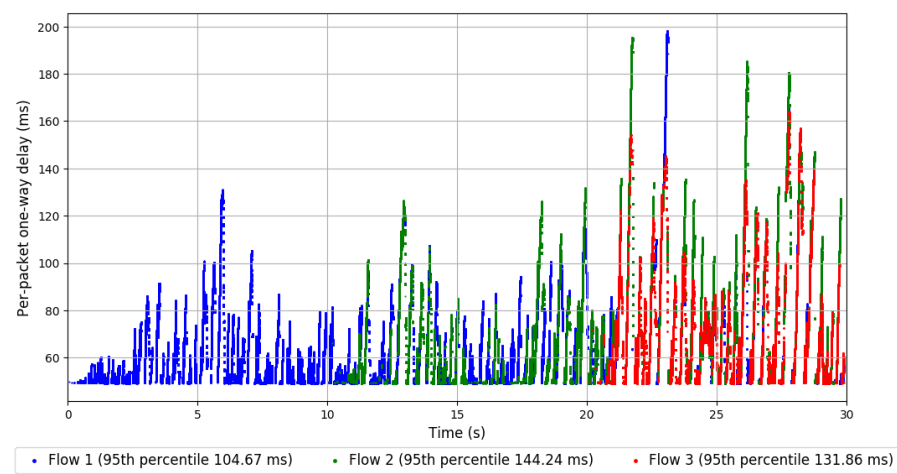
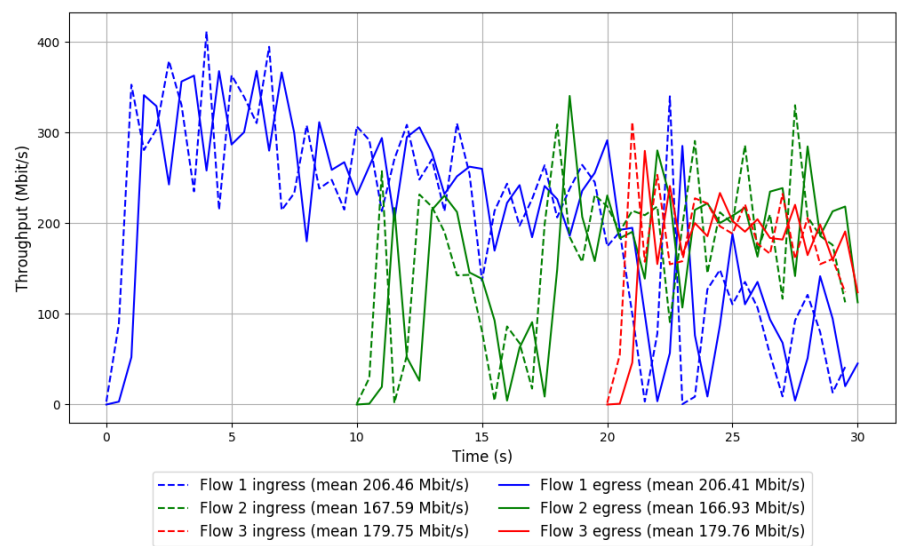


Run 2: Statistics of Verus

Start at: 2018-07-26 18:45:12
End at: 2018-07-26 18:45:42
Local clock offset: -0.107 ms
Remote clock offset: -1.166 ms

Below is generated by plot.py at 2018-07-27 01:52:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 375.77 Mbit/s
95th percentile per-packet one-way delay: 125.412 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 206.41 Mbit/s
95th percentile per-packet one-way delay: 104.674 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 166.93 Mbit/s
95th percentile per-packet one-way delay: 144.237 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 179.76 Mbit/s
95th percentile per-packet one-way delay: 131.863 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-26 19:10:26

End at: 2018-07-26 19:10:56

Local clock offset: -0.231 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2018-07-27 01:52:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 363.43 Mbit/s

95th percentile per-packet one-way delay: 126.696 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 218.43 Mbit/s

95th percentile per-packet one-way delay: 109.336 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 164.73 Mbit/s

95th percentile per-packet one-way delay: 142.090 ms

Loss rate: 0.61%

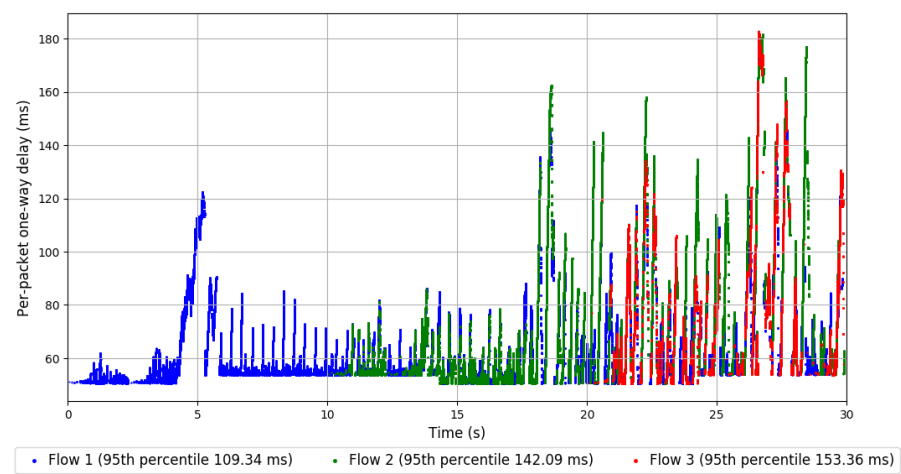
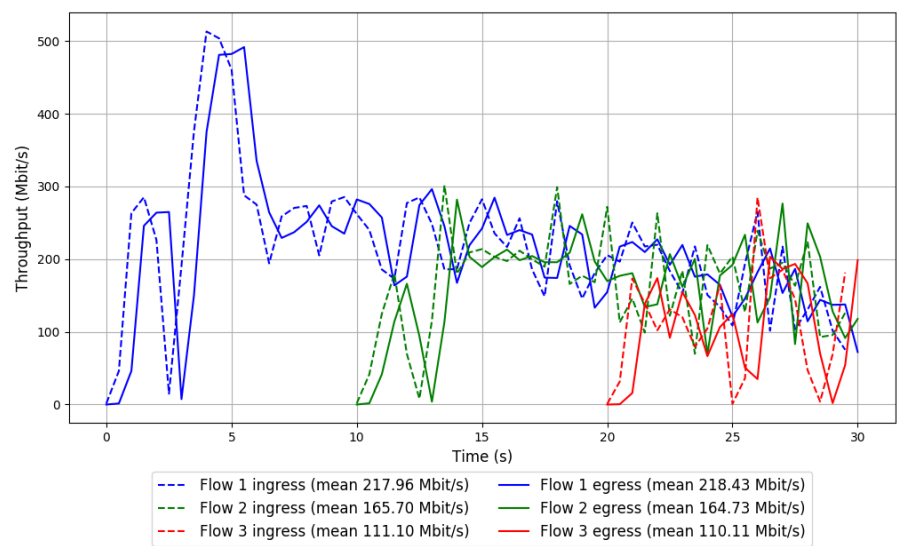
-- Flow 3:

Average throughput: 110.11 Mbit/s

95th percentile per-packet one-way delay: 153.359 ms

Loss rate: 0.82%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-26 19:35:05

End at: 2018-07-26 19:35:35

Local clock offset: -0.14 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-27 01:52:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 356.30 Mbit/s

95th percentile per-packet one-way delay: 157.442 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 226.14 Mbit/s

95th percentile per-packet one-way delay: 134.079 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 175.78 Mbit/s

95th percentile per-packet one-way delay: 184.013 ms

Loss rate: 1.71%

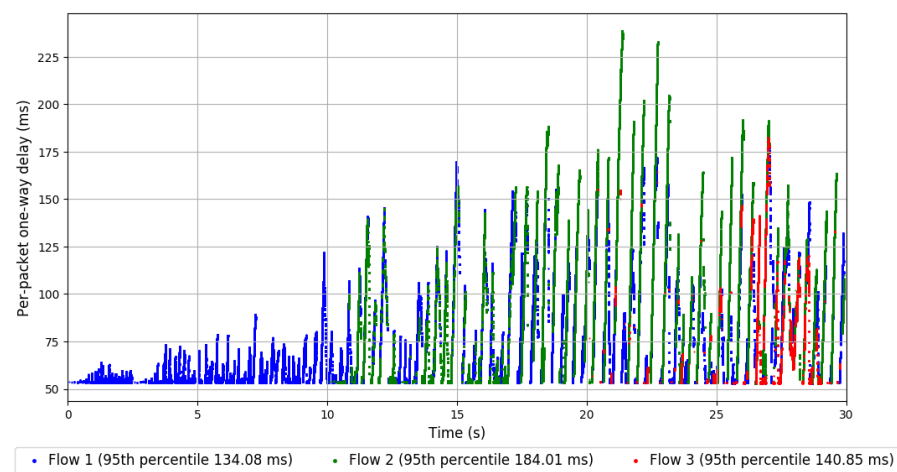
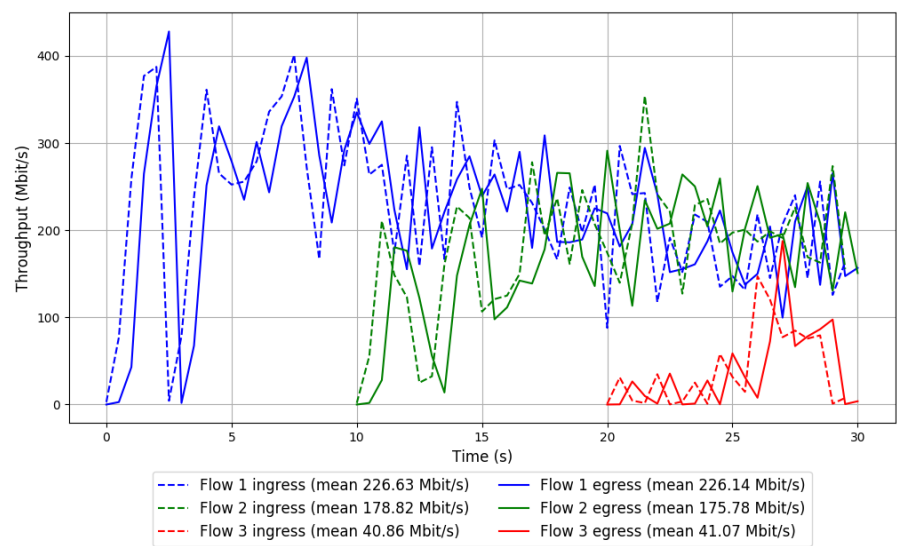
-- Flow 3:

Average throughput: 41.07 Mbit/s

95th percentile per-packet one-way delay: 140.850 ms

Loss rate: 0.83%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-26 19:59:29

End at: 2018-07-26 19:59:59

Local clock offset: -0.12 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-27 01:54:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 347.98 Mbit/s

95th percentile per-packet one-way delay: 155.442 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 176.24 Mbit/s

95th percentile per-packet one-way delay: 111.924 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 226.89 Mbit/s

95th percentile per-packet one-way delay: 176.070 ms

Loss rate: 0.00%

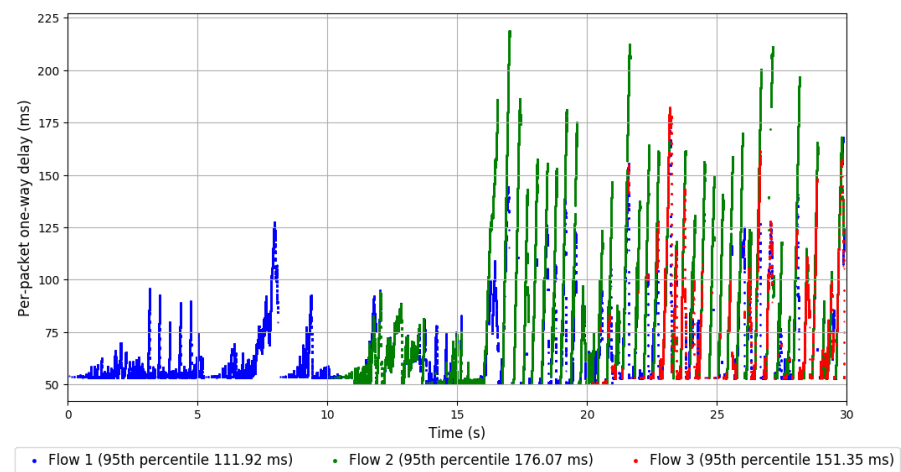
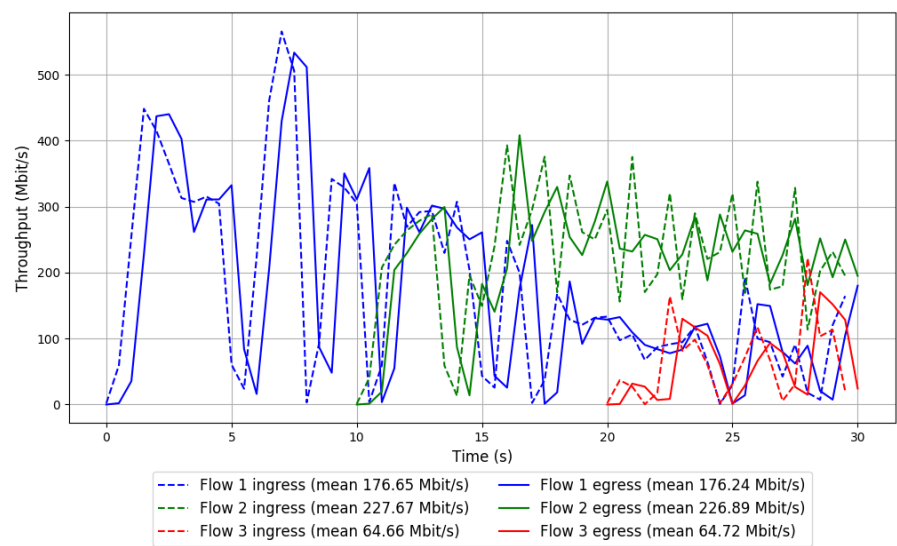
-- Flow 3:

Average throughput: 64.72 Mbit/s

95th percentile per-packet one-way delay: 151.353 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-26 20:23:58

End at: 2018-07-26 20:24:28

Local clock offset: -0.1 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-27 01:55:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 384.36 Mbit/s

95th percentile per-packet one-way delay: 124.751 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 215.69 Mbit/s

95th percentile per-packet one-way delay: 115.686 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 205.03 Mbit/s

95th percentile per-packet one-way delay: 125.202 ms

Loss rate: 0.05%

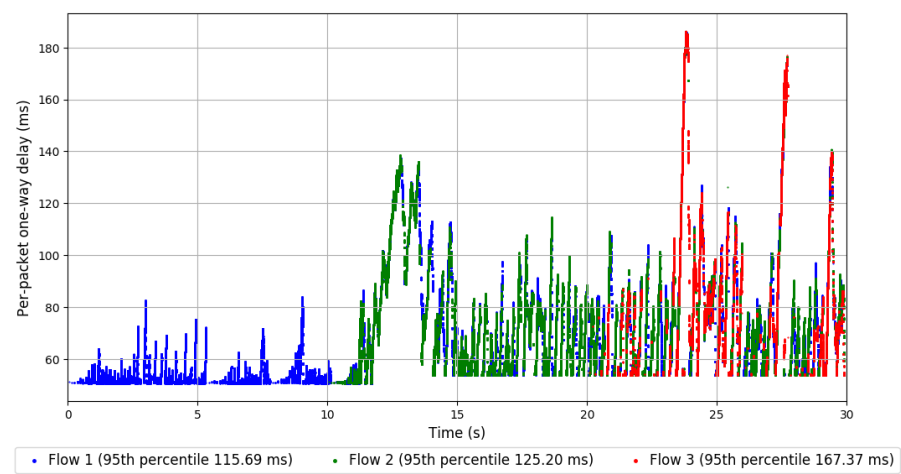
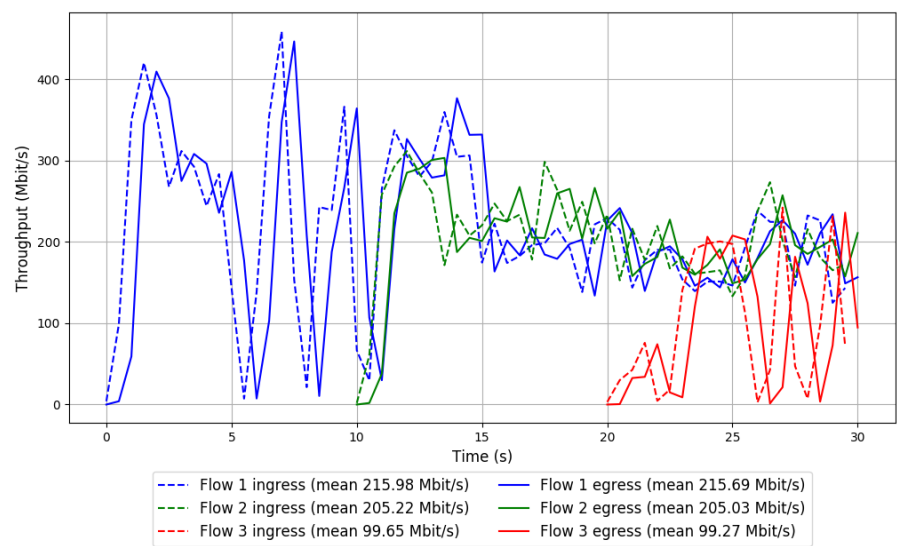
-- Flow 3:

Average throughput: 99.27 Mbit/s

95th percentile per-packet one-way delay: 167.365 ms

Loss rate: 0.38%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-26 20:49:01

End at: 2018-07-26 20:49:31

Local clock offset: 0.12 ms

Remote clock offset: -0.35 ms

Below is generated by plot.py at 2018-07-27 01:55:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 358.73 Mbit/s

95th percentile per-packet one-way delay: 115.181 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 239.20 Mbit/s

95th percentile per-packet one-way delay: 111.403 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 128.82 Mbit/s

95th percentile per-packet one-way delay: 115.916 ms

Loss rate: 0.00%

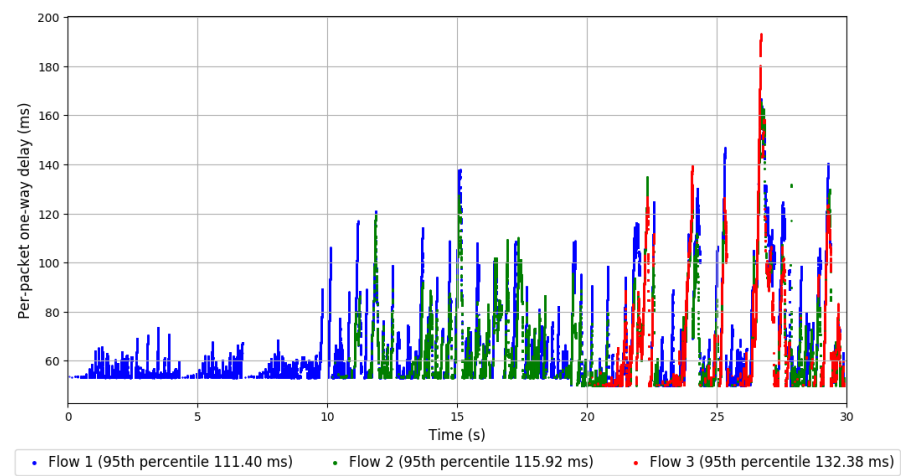
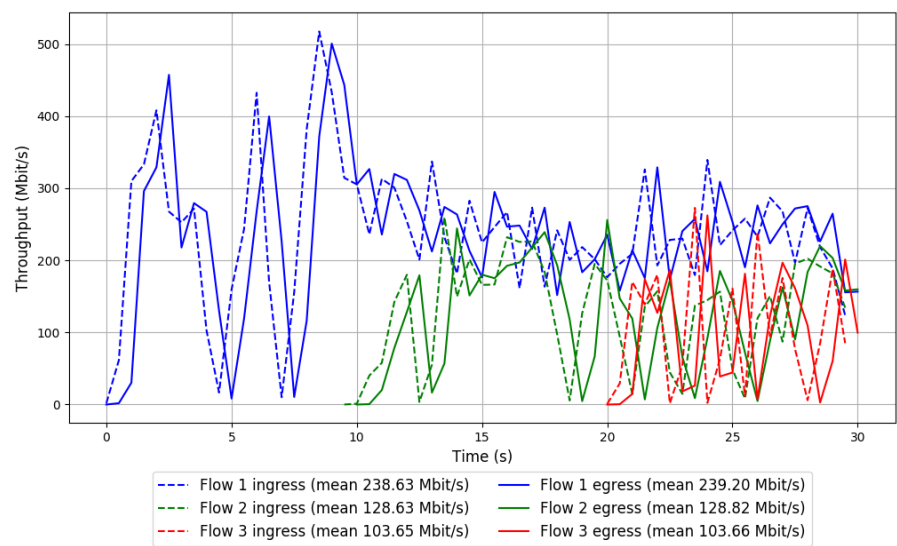
-- Flow 3:

Average throughput: 103.66 Mbit/s

95th percentile per-packet one-way delay: 132.378 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-26 21:13:47

End at: 2018-07-26 21:14:17

Local clock offset: -0.105 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-27 01:56:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 359.94 Mbit/s

95th percentile per-packet one-way delay: 136.713 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 201.67 Mbit/s

95th percentile per-packet one-way delay: 114.175 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 174.61 Mbit/s

95th percentile per-packet one-way delay: 119.280 ms

Loss rate: 0.01%

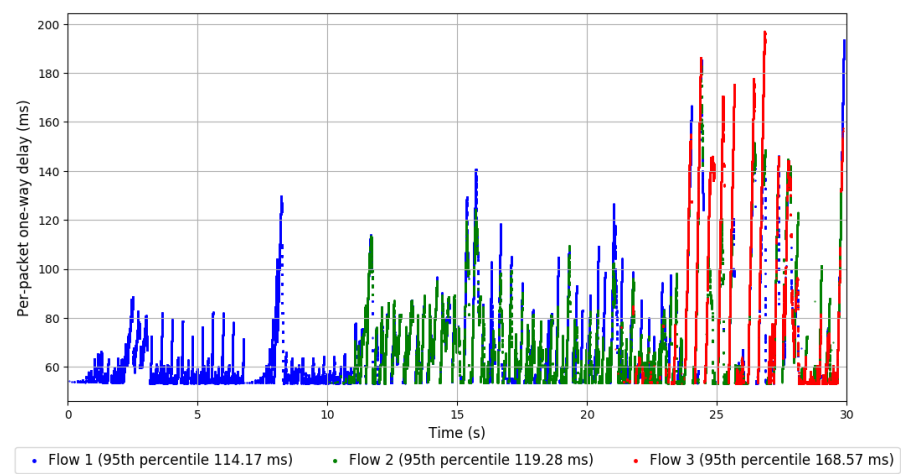
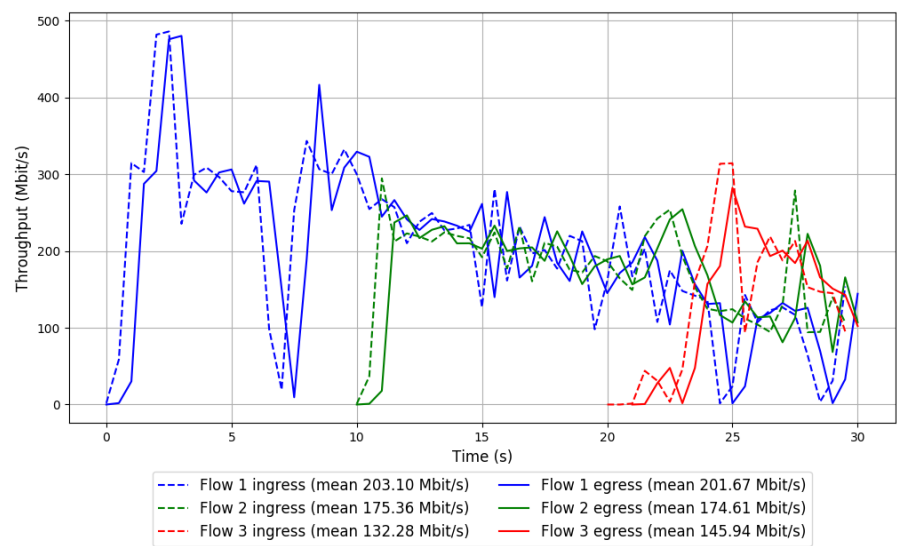
-- Flow 3:

Average throughput: 145.94 Mbit/s

95th percentile per-packet one-way delay: 168.573 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link

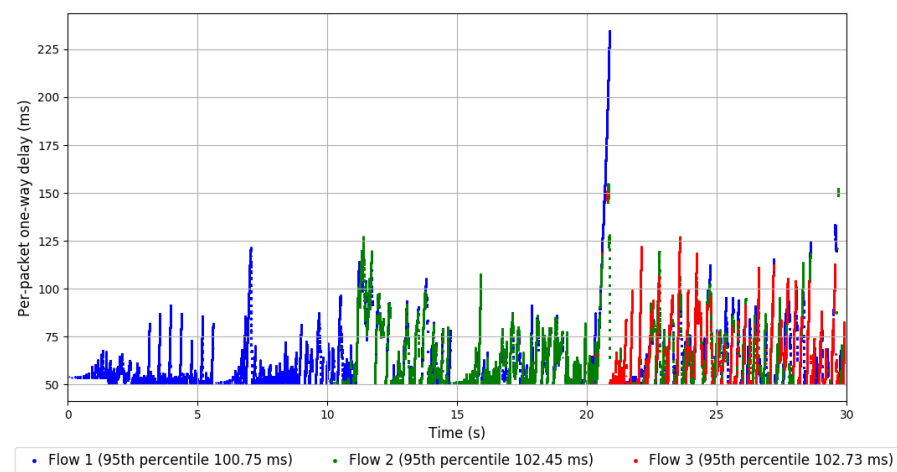
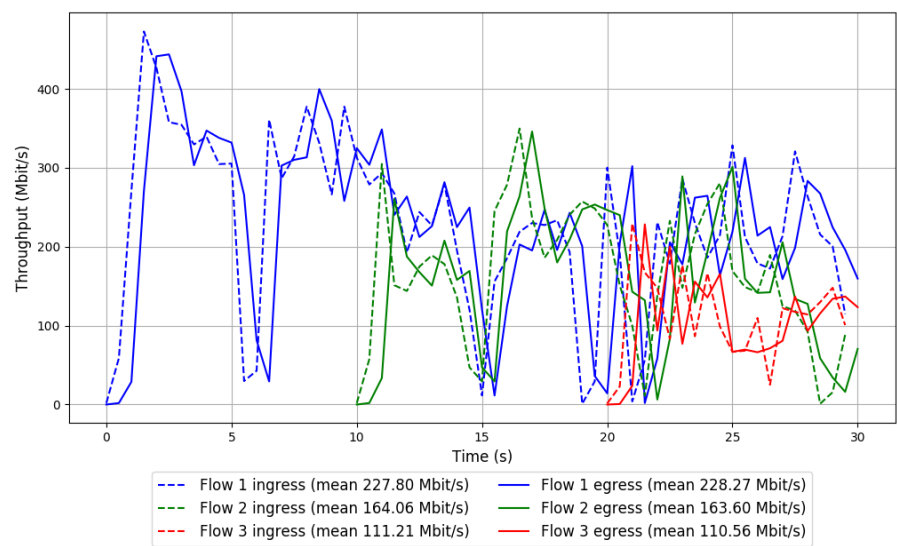


Run 9: Statistics of Verus

Start at: 2018-07-26 21:38:39
End at: 2018-07-26 21:39:09
Local clock offset: -0.053 ms
Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-07-27 01:59:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 372.79 Mbit/s
95th percentile per-packet one-way delay: 101.763 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 228.27 Mbit/s
95th percentile per-packet one-way delay: 100.755 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 163.60 Mbit/s
95th percentile per-packet one-way delay: 102.455 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 110.56 Mbit/s
95th percentile per-packet one-way delay: 102.733 ms
Loss rate: 0.32%

Run 9: Report of Verus — Data Link

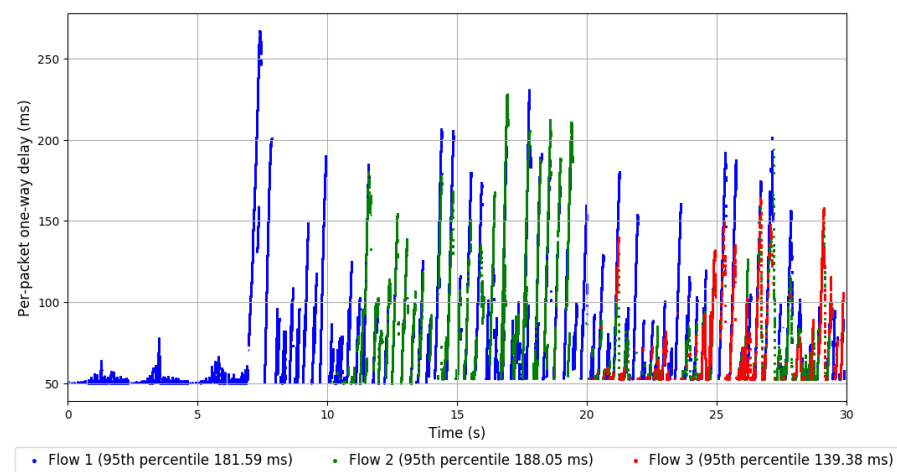
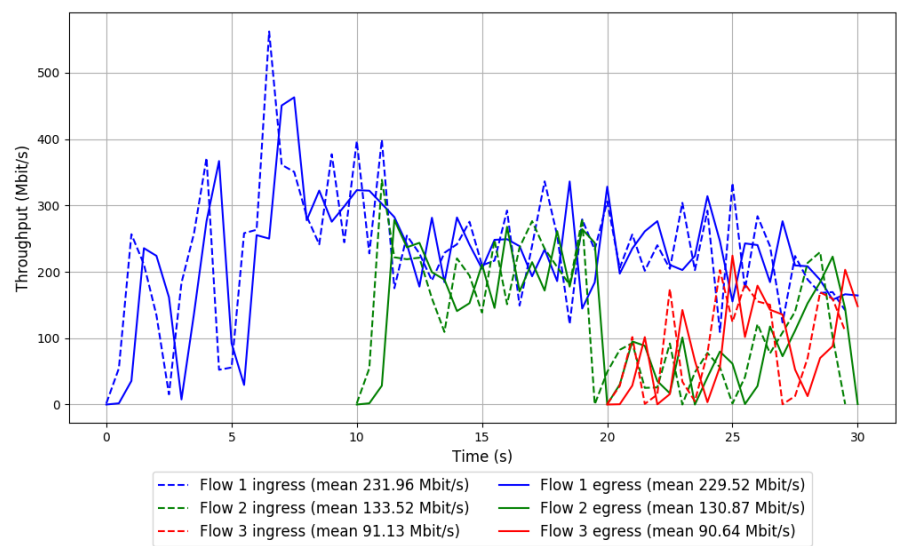


Run 10: Statistics of Verus

Start at: 2018-07-26 22:03:46
End at: 2018-07-26 22:04:16
Local clock offset: 0.031 ms
Remote clock offset: -0.348 ms

Below is generated by plot.py at 2018-07-27 01:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 346.02 Mbit/s
95th percentile per-packet one-way delay: 180.594 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 229.52 Mbit/s
95th percentile per-packet one-way delay: 181.592 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 130.87 Mbit/s
95th percentile per-packet one-way delay: 188.052 ms
Loss rate: 1.83%
-- Flow 3:
Average throughput: 90.64 Mbit/s
95th percentile per-packet one-way delay: 139.378 ms
Loss rate: 0.00%

Run 10: Report of Verus — Data Link

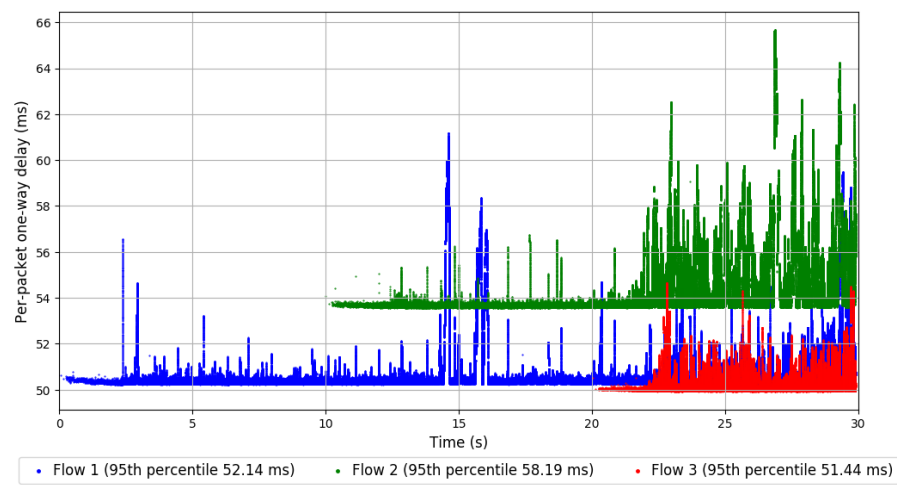
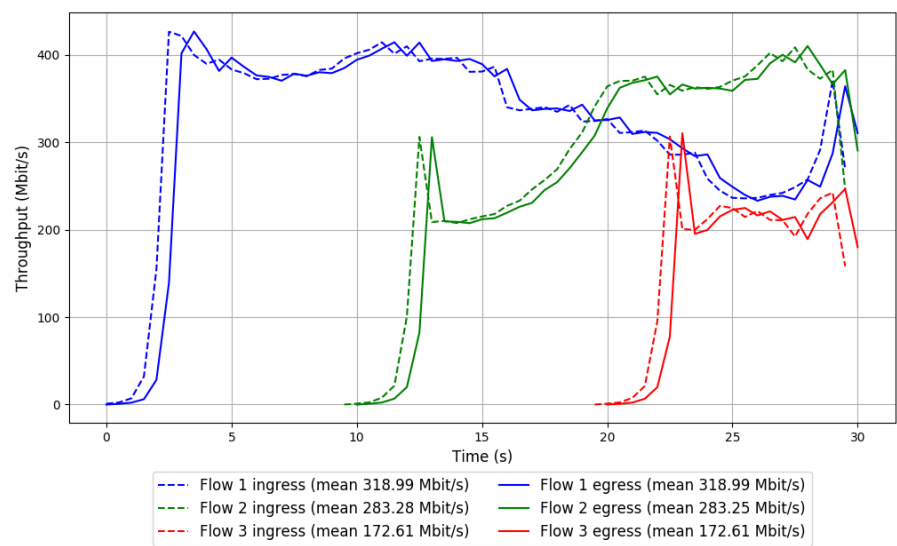


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-26 18:40:37
End at: 2018-07-26 18:41:07
Local clock offset: -0.429 ms
Remote clock offset: -0.222 ms

Below is generated by plot.py at 2018-07-27 02:05:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 564.68 Mbit/s
95th percentile per-packet one-way delay: 56.329 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 318.99 Mbit/s
95th percentile per-packet one-way delay: 52.143 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 283.25 Mbit/s
95th percentile per-packet one-way delay: 58.185 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 172.61 Mbit/s
95th percentile per-packet one-way delay: 51.443 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

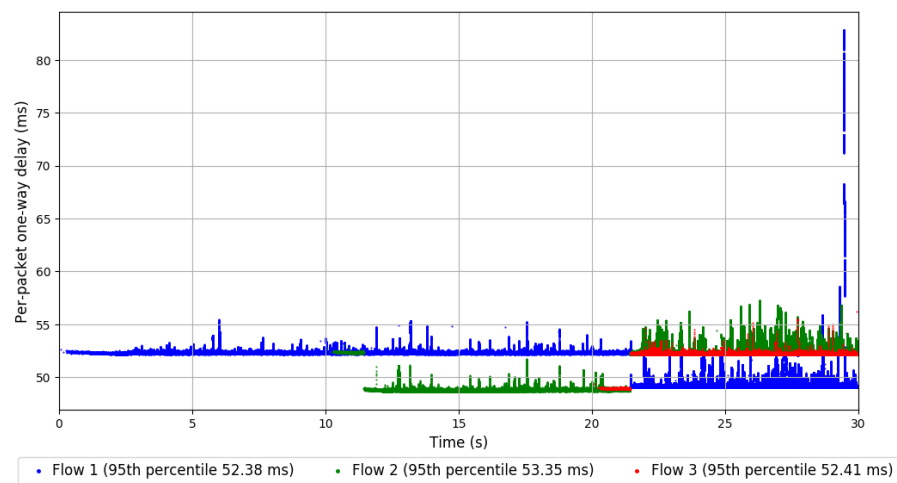
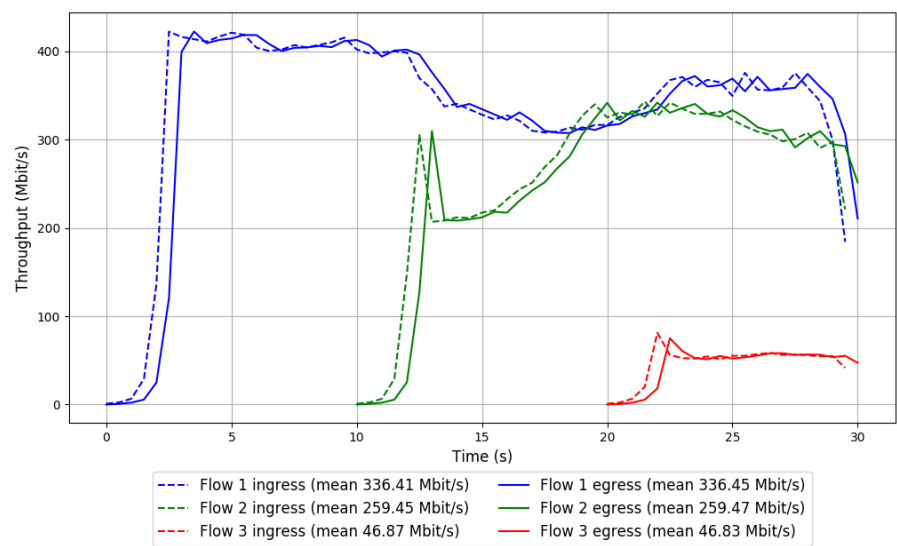


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-26 19:05:29
End at: 2018-07-26 19:05:59
Local clock offset: -0.048 ms
Remote clock offset: -1.232 ms

Below is generated by plot.py at 2018-07-27 02:05:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 524.37 Mbit/s
95th percentile per-packet one-way delay: 52.566 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 336.45 Mbit/s
95th percentile per-packet one-way delay: 52.378 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 259.47 Mbit/s
95th percentile per-packet one-way delay: 53.349 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 46.83 Mbit/s
95th percentile per-packet one-way delay: 52.410 ms
Loss rate: 0.02%

Run 2: Report of PCC-Vivace — Data Link

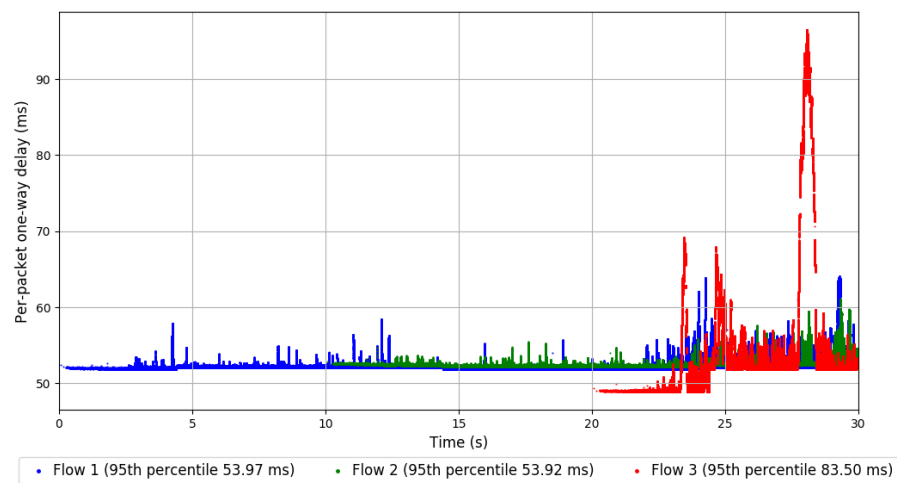
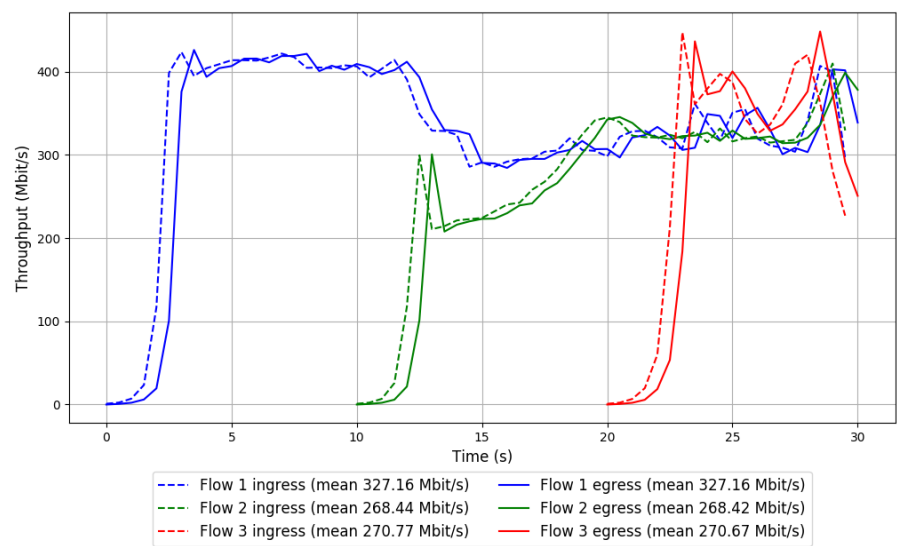


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-26 19:30:26
End at: 2018-07-26 19:30:56
Local clock offset: -0.067 ms
Remote clock offset: -1.269 ms

Below is generated by plot.py at 2018-07-27 02:07:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 595.03 Mbit/s
95th percentile per-packet one-way delay: 55.844 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 327.16 Mbit/s
95th percentile per-packet one-way delay: 53.970 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 268.42 Mbit/s
95th percentile per-packet one-way delay: 53.917 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 270.67 Mbit/s
95th percentile per-packet one-way delay: 83.505 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

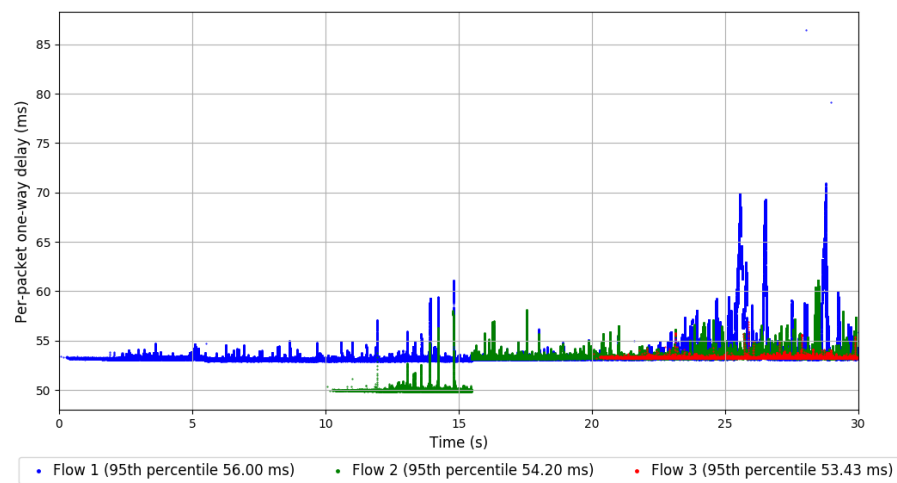
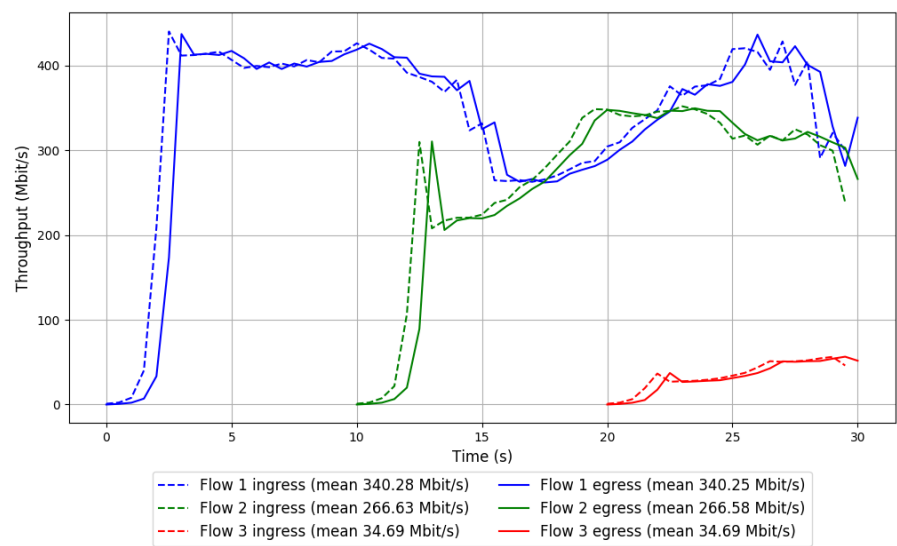


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-26 19:54:55
End at: 2018-07-26 19:55:25
Local clock offset: -0.082 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-27 02:07:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 529.03 Mbit/s
95th percentile per-packet one-way delay: 55.029 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 340.25 Mbit/s
95th percentile per-packet one-way delay: 56.003 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 266.58 Mbit/s
95th percentile per-packet one-way delay: 54.196 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 34.69 Mbit/s
95th percentile per-packet one-way delay: 53.429 ms
Loss rate: 0.05%

Run 4: Report of PCC-Vivace — Data Link

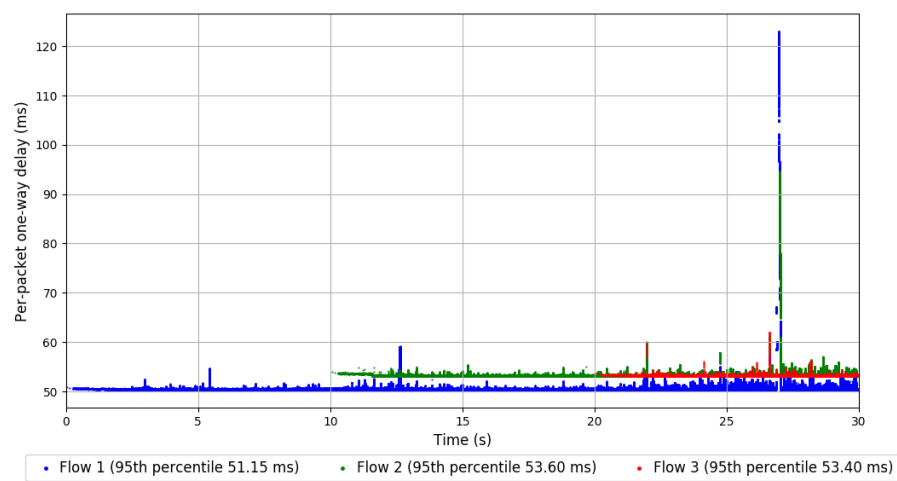
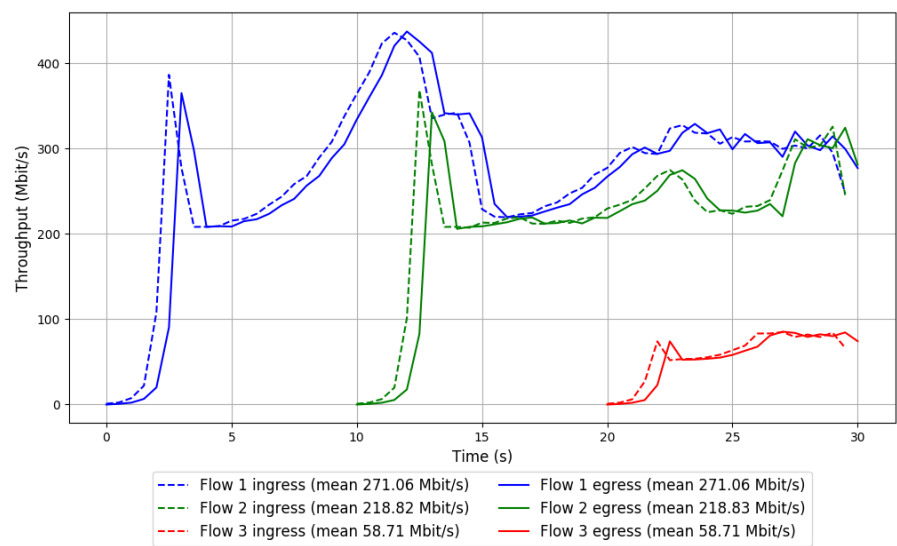


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-26 20:19:29
End at: 2018-07-26 20:19:59
Local clock offset: -0.031 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-07-27 02:07:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 435.91 Mbit/s
95th percentile per-packet one-way delay: 53.290 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 271.06 Mbit/s
95th percentile per-packet one-way delay: 51.146 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 218.83 Mbit/s
95th percentile per-packet one-way delay: 53.600 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 53.400 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

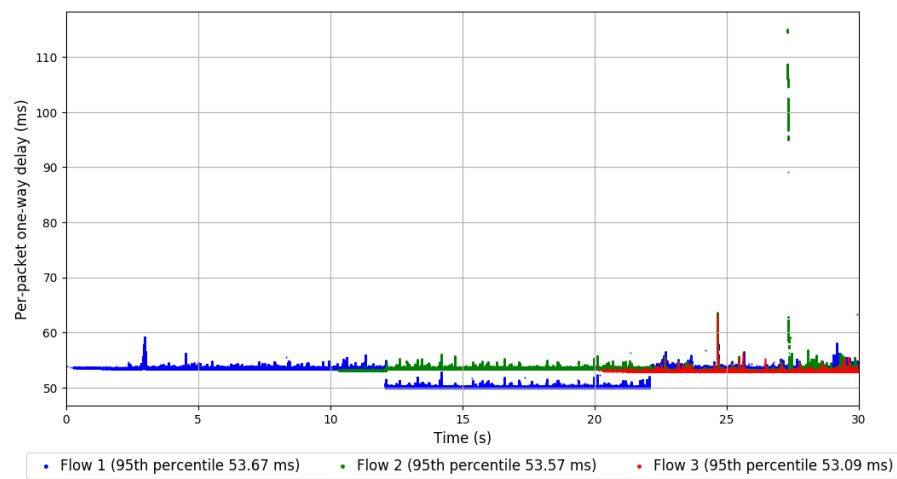
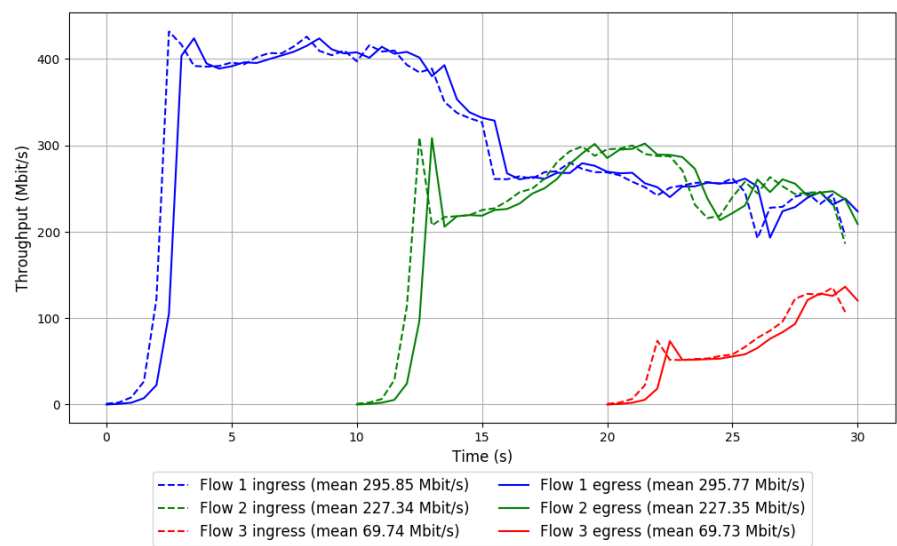


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-26 20:44:18
End at: 2018-07-26 20:44:48
Local clock offset: 0.072 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-27 02:07:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 469.90 Mbit/s
95th percentile per-packet one-way delay: 53.635 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 295.77 Mbit/s
95th percentile per-packet one-way delay: 53.675 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 227.35 Mbit/s
95th percentile per-packet one-way delay: 53.570 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 69.73 Mbit/s
95th percentile per-packet one-way delay: 53.090 ms
Loss rate: 0.06%

Run 6: Report of PCC-Vivace — Data Link

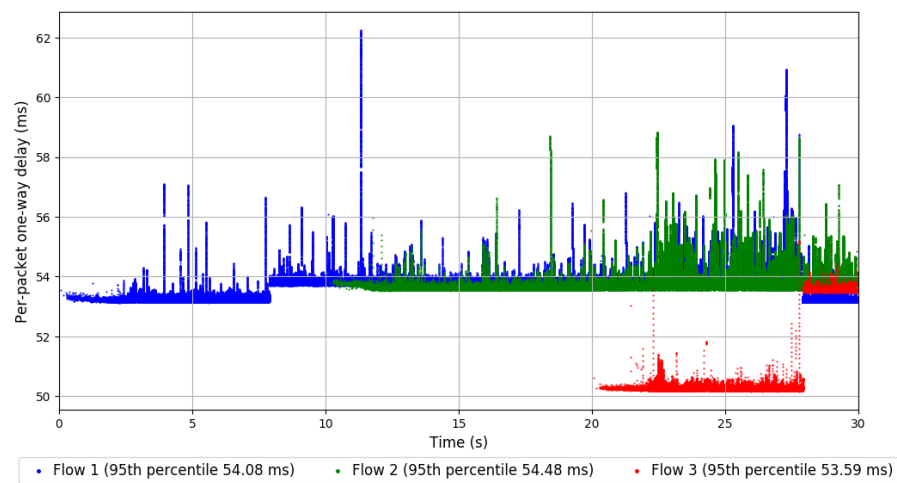
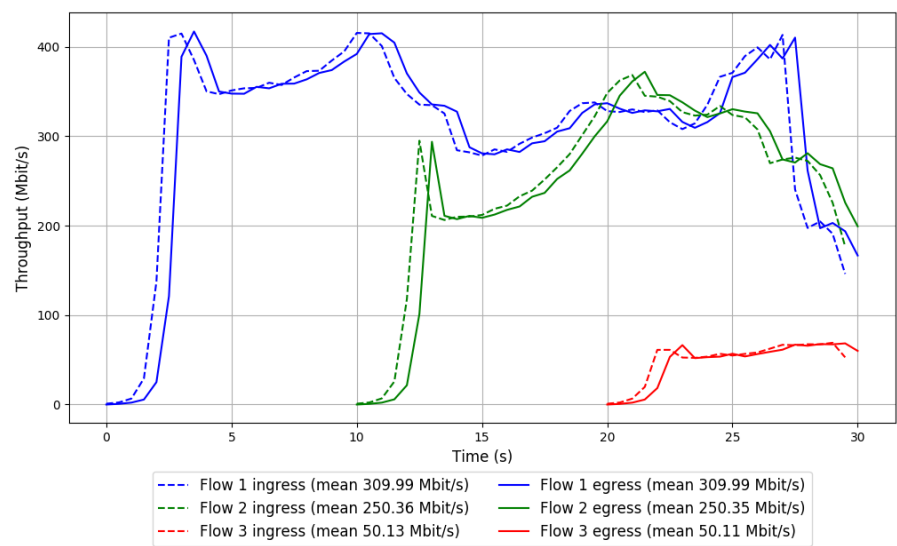


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-26 21:09:12
End at: 2018-07-26 21:09:42
Local clock offset: -0.199 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2018-07-27 02:09:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 492.97 Mbit/s
95th percentile per-packet one-way delay: 54.201 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 309.99 Mbit/s
95th percentile per-packet one-way delay: 54.077 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 250.35 Mbit/s
95th percentile per-packet one-way delay: 54.479 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.11 Mbit/s
95th percentile per-packet one-way delay: 53.588 ms
Loss rate: 0.04%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-26 21:34:00

End at: 2018-07-26 21:34:30

Local clock offset: -0.13 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-27 02:09:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 520.54 Mbit/s

95th percentile per-packet one-way delay: 54.353 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 315.57 Mbit/s

95th percentile per-packet one-way delay: 54.200 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 255.91 Mbit/s

95th percentile per-packet one-way delay: 54.624 ms

Loss rate: 0.00%

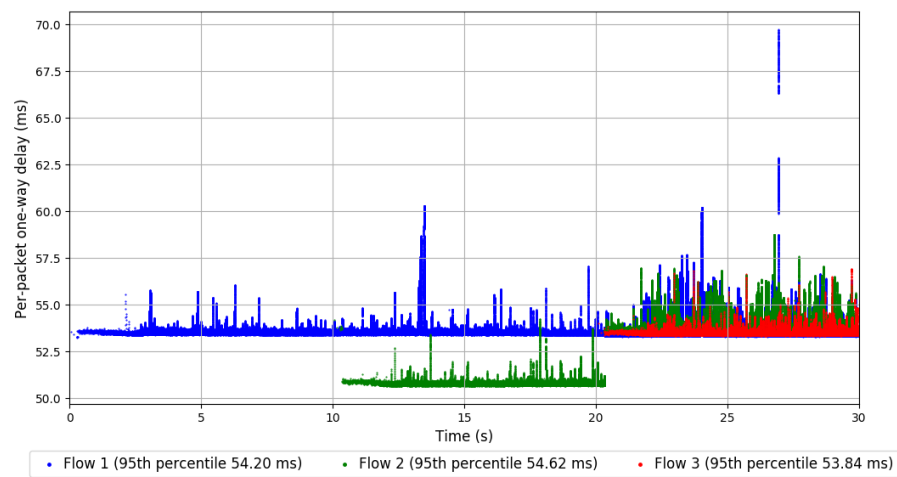
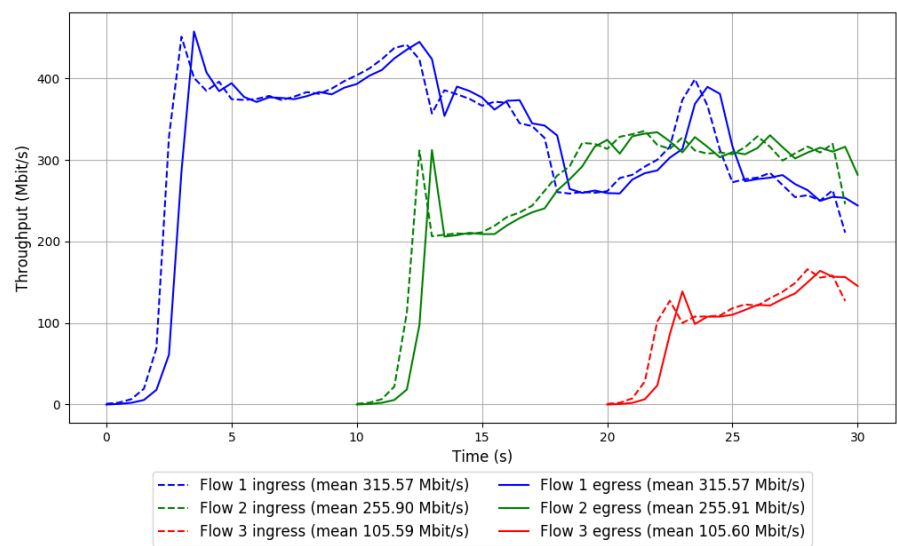
-- Flow 3:

Average throughput: 105.60 Mbit/s

95th percentile per-packet one-way delay: 53.836 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-26 21:58:57

End at: 2018-07-26 21:59:27

Local clock offset: -0.052 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-27 02:10:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 551.17 Mbit/s

95th percentile per-packet one-way delay: 53.815 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 324.39 Mbit/s

95th percentile per-packet one-way delay: 53.588 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 260.60 Mbit/s

95th percentile per-packet one-way delay: 54.360 ms

Loss rate: 0.00%

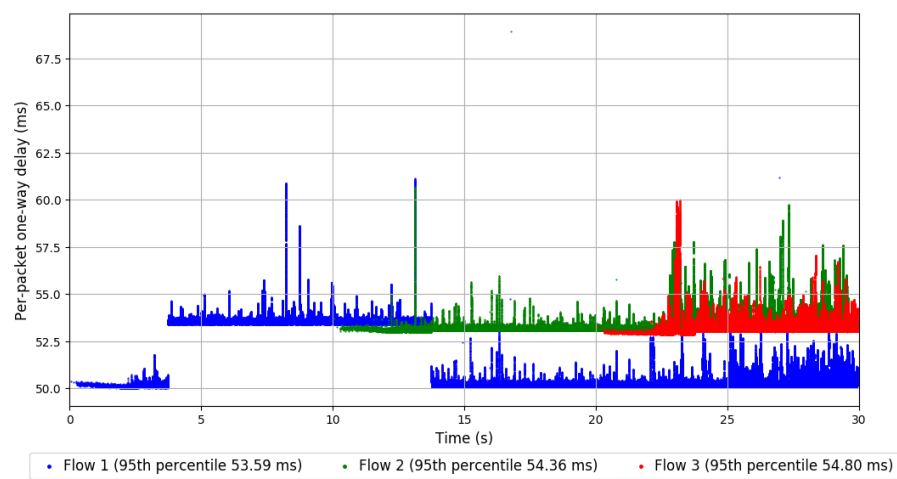
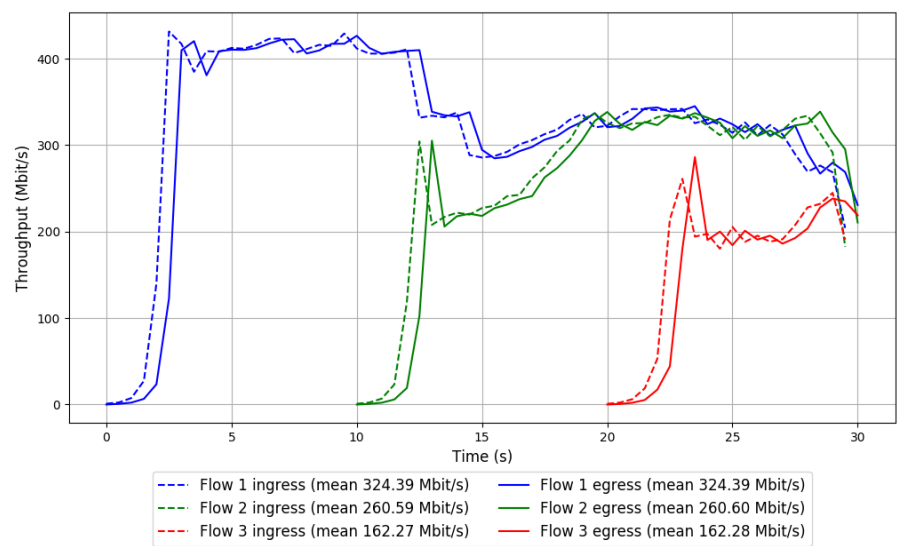
-- Flow 3:

Average throughput: 162.28 Mbit/s

95th percentile per-packet one-way delay: 54.795 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-26 22:23:47

End at: 2018-07-26 22:24:17

Local clock offset: 0.063 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-07-27 02:10:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 541.13 Mbit/s

95th percentile per-packet one-way delay: 54.092 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 322.09 Mbit/s

95th percentile per-packet one-way delay: 54.110 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 301.43 Mbit/s

95th percentile per-packet one-way delay: 54.138 ms

Loss rate: 0.00%

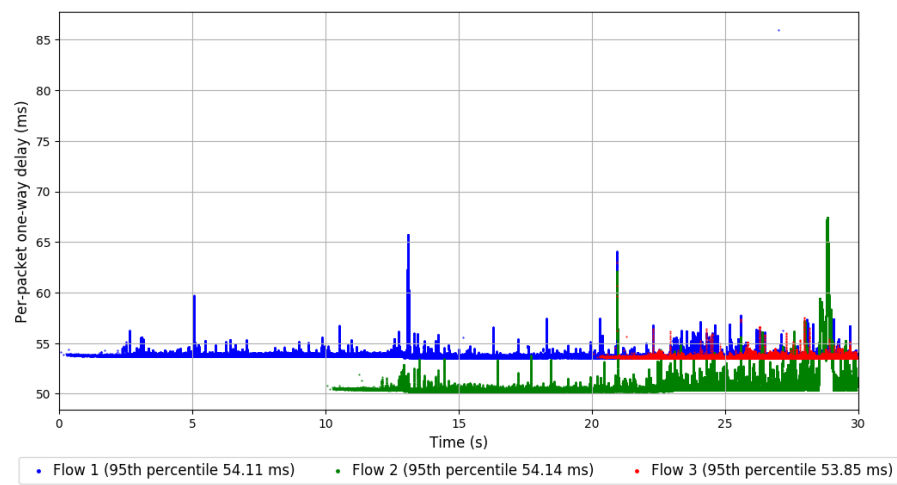
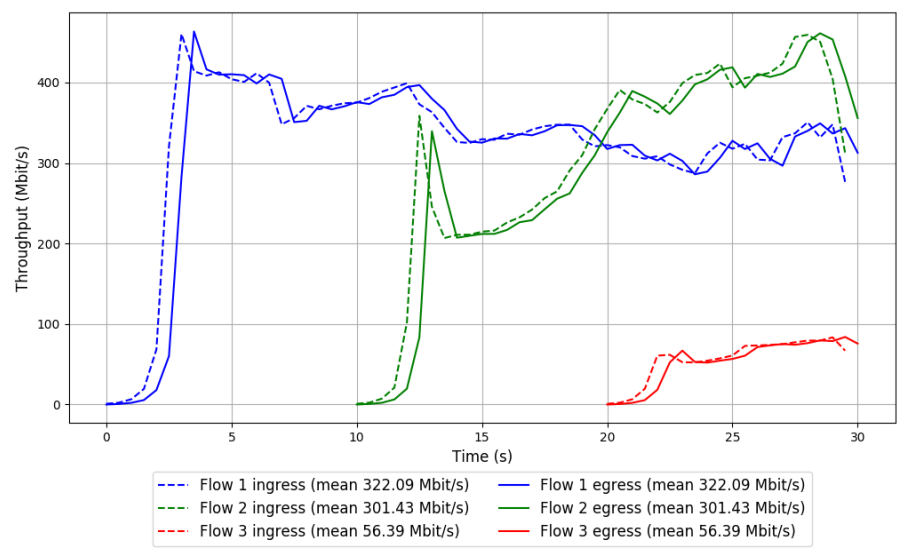
-- Flow 3:

Average throughput: 56.39 Mbit/s

95th percentile per-packet one-way delay: 53.846 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-26 18:24:40

End at: 2018-07-26 18:25:10

Local clock offset: 0.129 ms

Remote clock offset: -1.39 ms

Below is generated by plot.py at 2018-07-27 02:10:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.37 Mbit/s

95th percentile per-packet one-way delay: 52.201 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 52.199 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.55 Mbit/s

95th percentile per-packet one-way delay: 52.213 ms

Loss rate: 0.00%

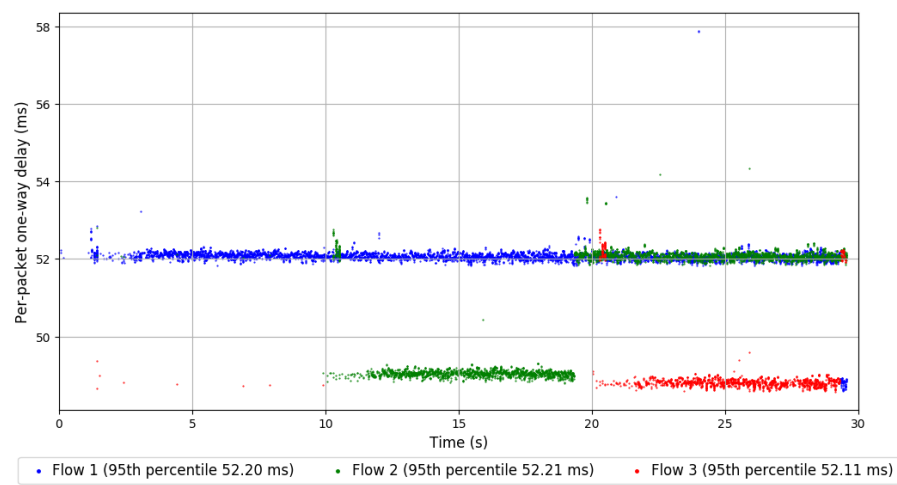
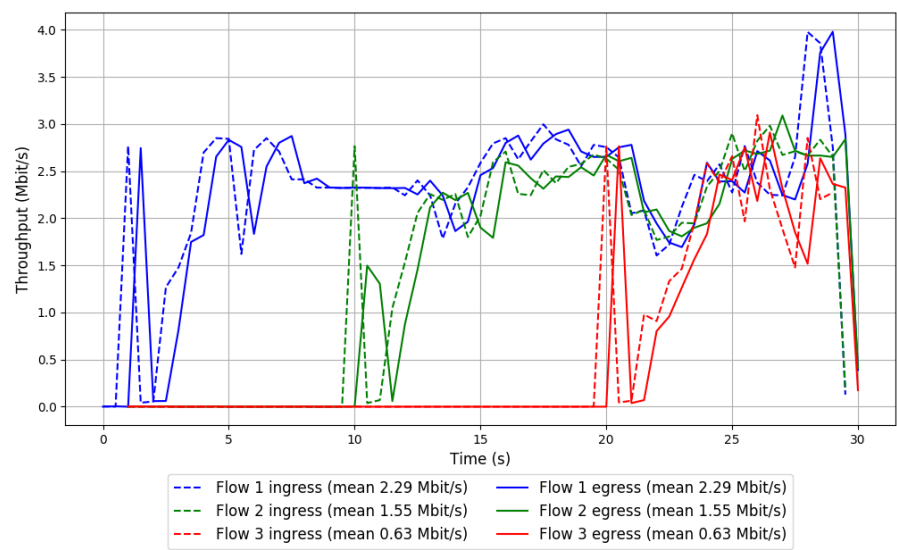
-- Flow 3:

Average throughput: 0.63 Mbit/s

95th percentile per-packet one-way delay: 52.107 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

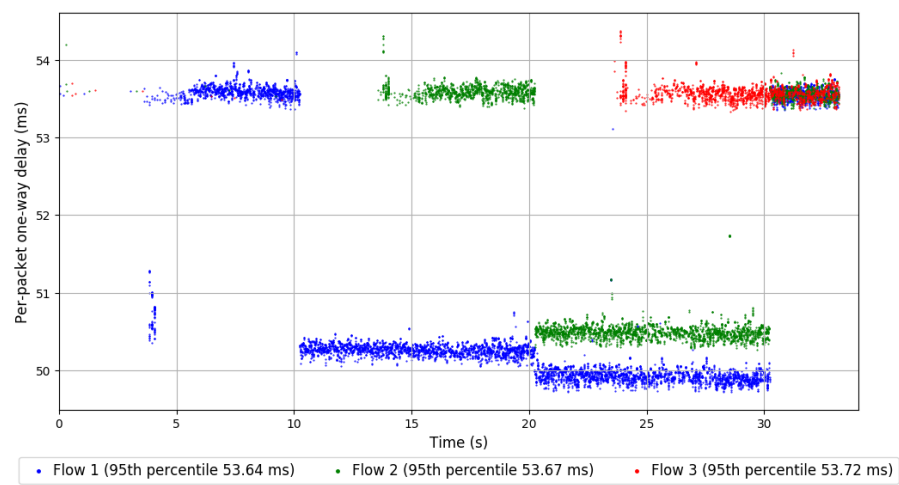
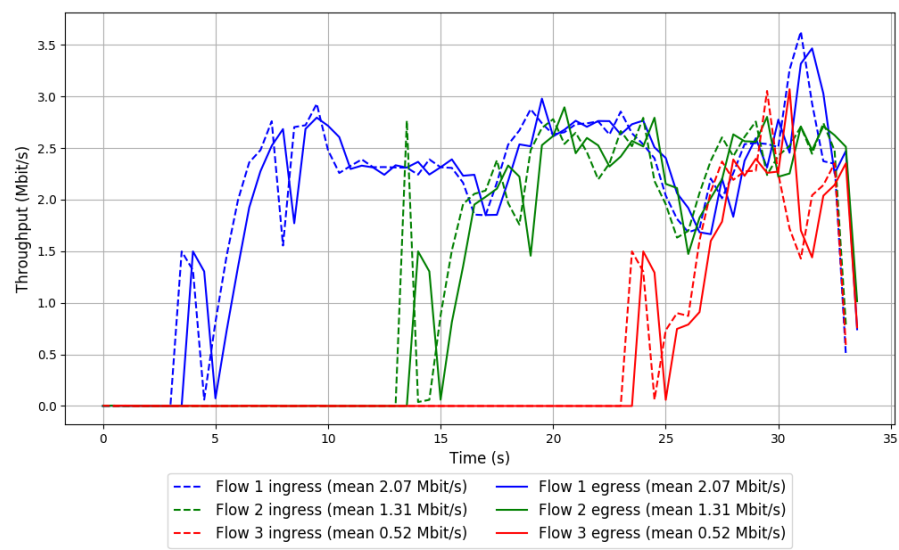


Run 2: Statistics of WebRTC media

Start at: 2018-07-26 18:49:23
End at: 2018-07-26 18:49:53
Local clock offset: -0.111 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-27 02:10:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 53.663 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 53.641 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 53.671 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 53.719 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-26 19:14:32

End at: 2018-07-26 19:15:02

Local clock offset: -0.114 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-27 02:10:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 53.860 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 53.896 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 53.546 ms

Loss rate: 0.00%

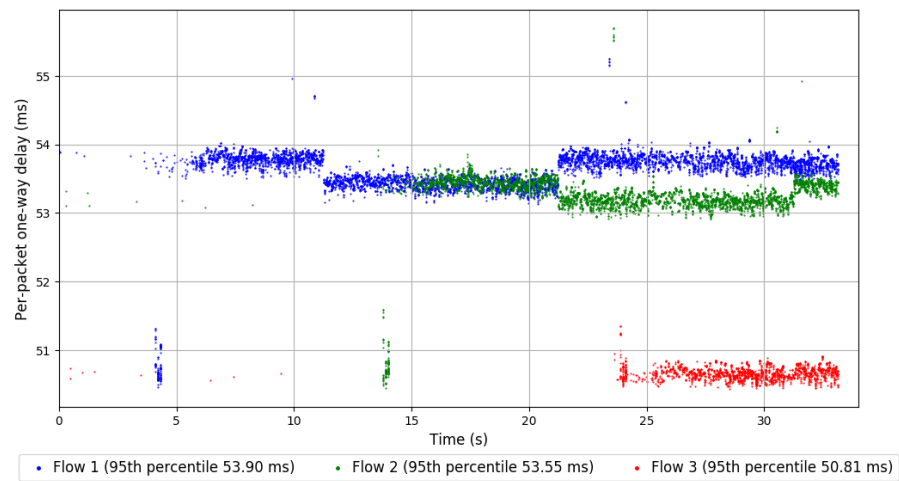
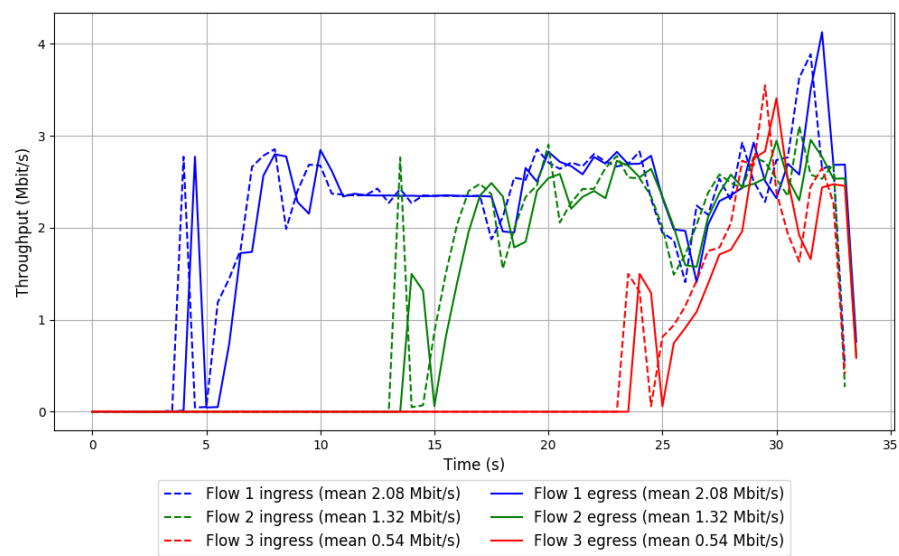
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 50.808 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-26 19:39:18

End at: 2018-07-26 19:39:48

Local clock offset: 0.103 ms

Remote clock offset: 1.196 ms

Below is generated by plot.py at 2018-07-27 02:10:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.91 Mbit/s

95th percentile per-packet one-way delay: 54.895 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 54.921 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 54.823 ms

Loss rate: 0.00%

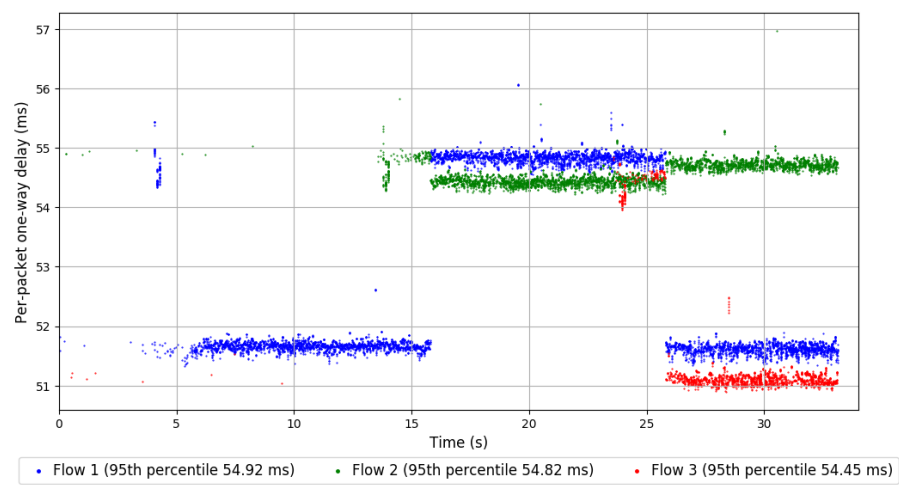
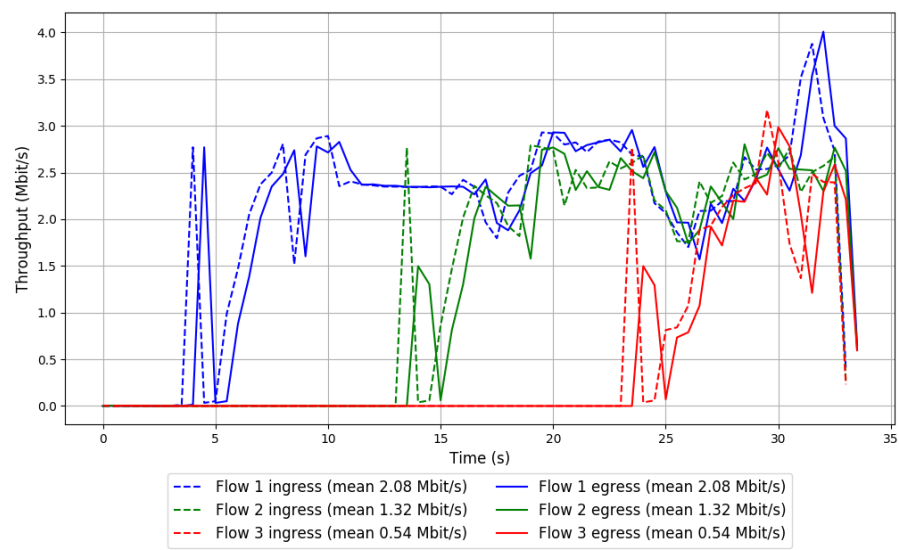
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 54.453 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

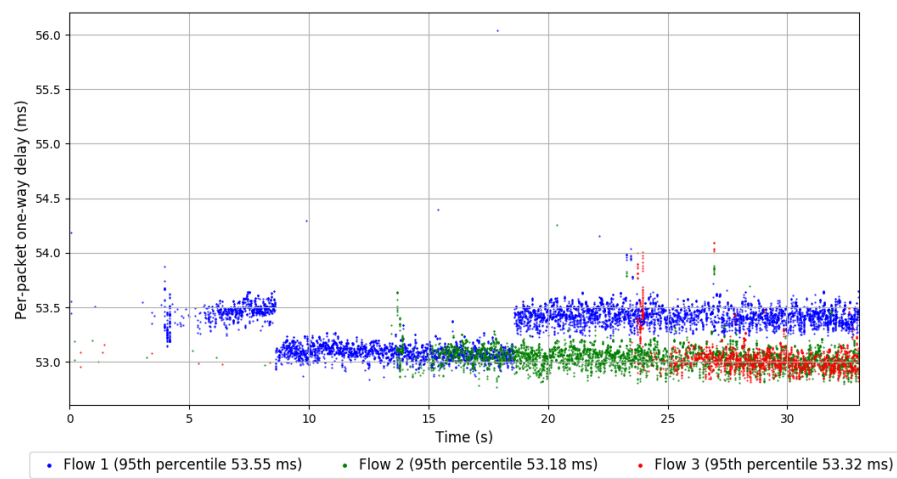
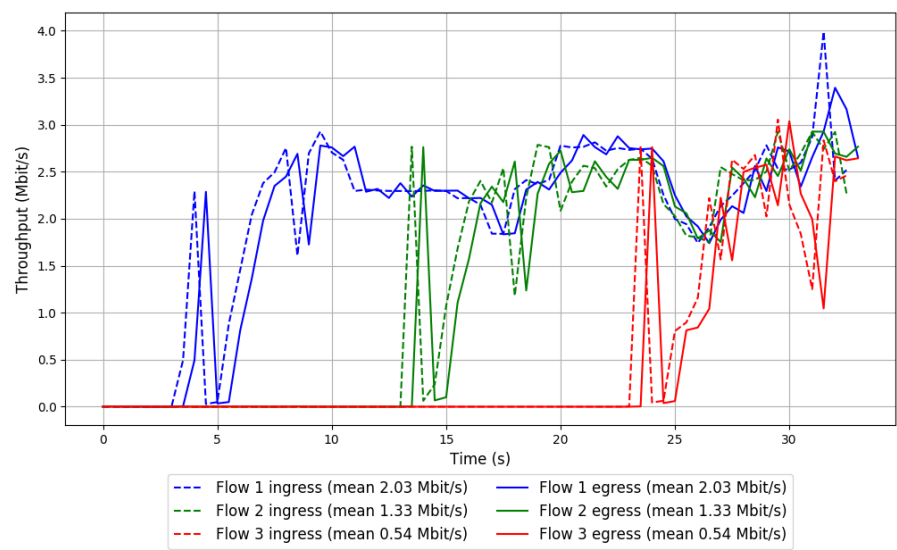


Run 5: Statistics of WebRTC media

Start at: 2018-07-26 20:03:35
End at: 2018-07-26 20:04:05
Local clock offset: -0.087 ms
Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-07-27 02:10:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 53.519 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 53.548 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 53.177 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 53.323 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

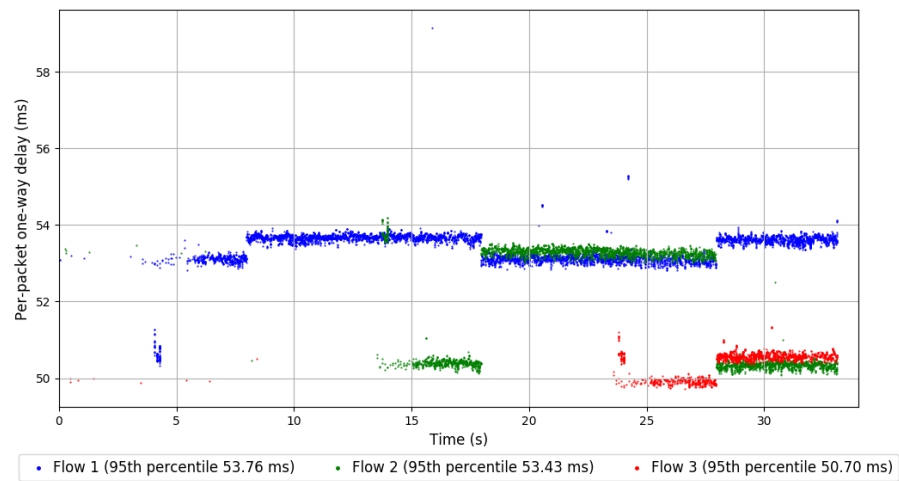
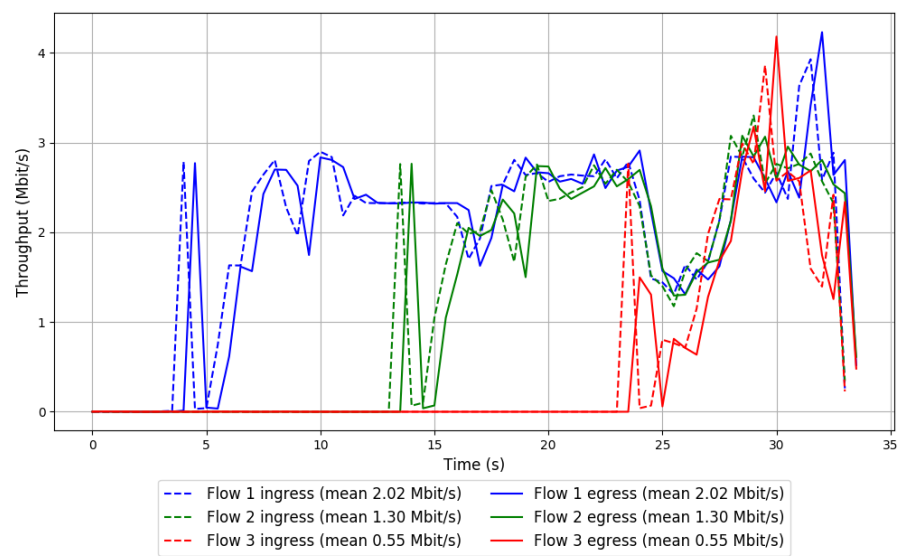


Run 6: Statistics of WebRTC media

Start at: 2018-07-26 20:28:15
End at: 2018-07-26 20:28:45
Local clock offset: 0.02 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-27 02:10:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 53.731 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 53.757 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 53.434 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 50.697 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-26 20:53:10

End at: 2018-07-26 20:53:40

Local clock offset: -0.047 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-07-27 02:10:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.94 Mbit/s

95th percentile per-packet one-way delay: 53.851 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 53.874 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 53.527 ms

Loss rate: 0.02%

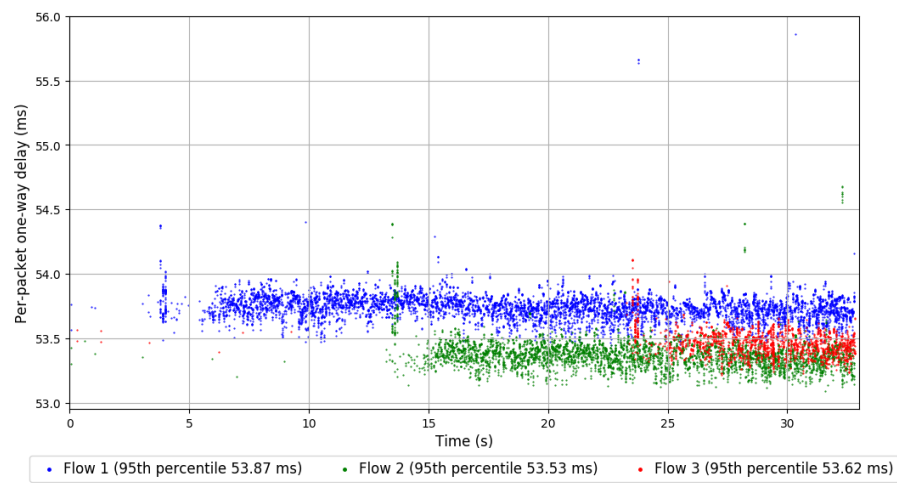
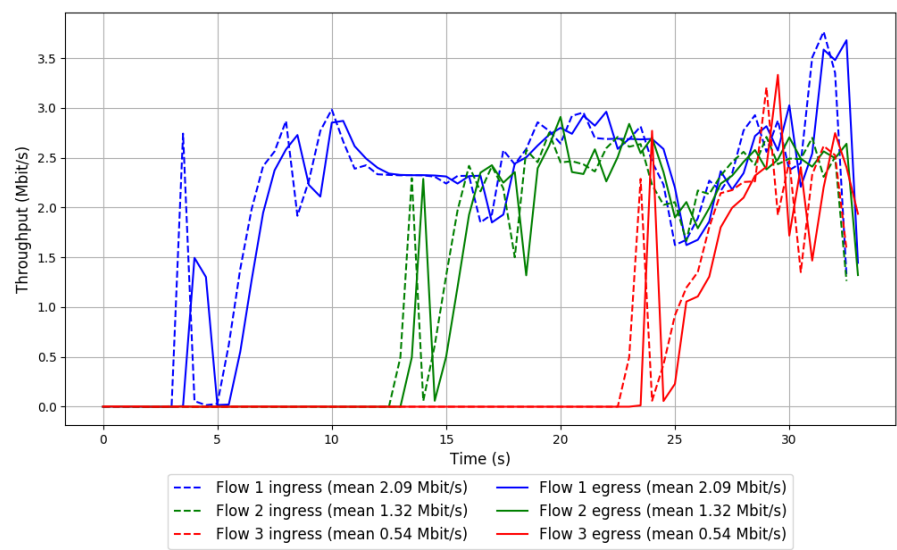
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 53.620 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-26 21:18:00

End at: 2018-07-26 21:18:30

Local clock offset: 0.014 ms

Remote clock offset: -1.51 ms

Below is generated by plot.py at 2018-07-27 02:10:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.99 Mbit/s

95th percentile per-packet one-way delay: 52.074 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 52.105 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 51.819 ms

Loss rate: 0.00%

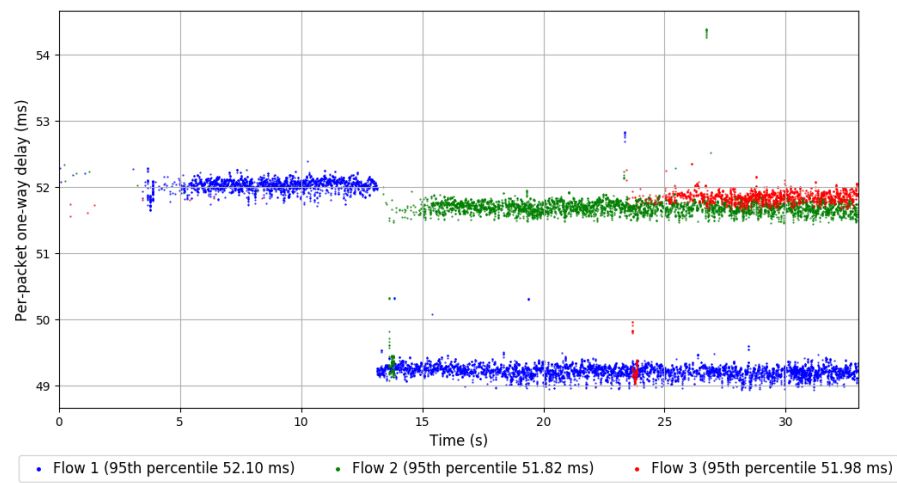
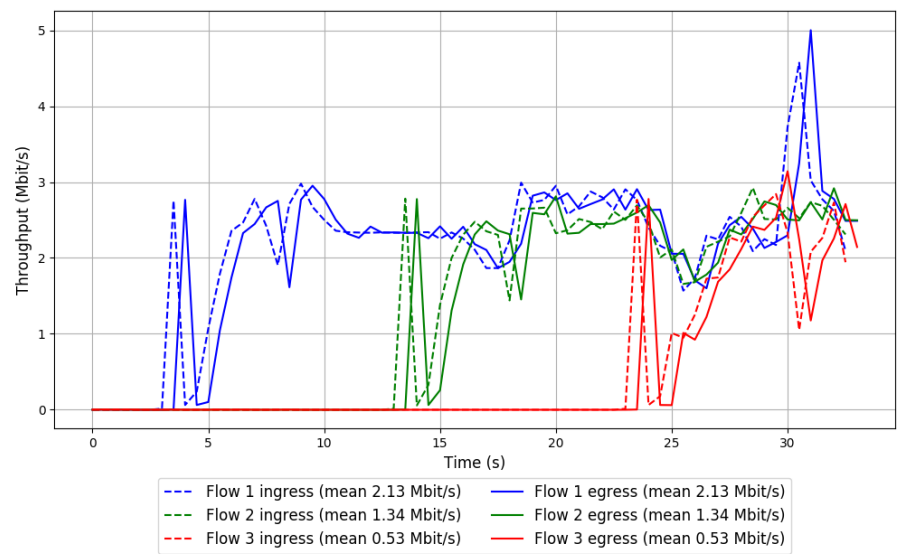
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 51.976 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

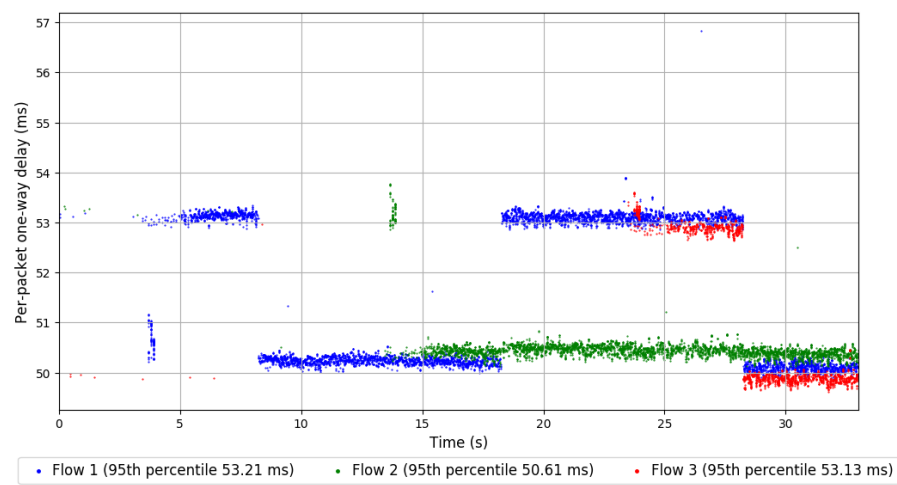
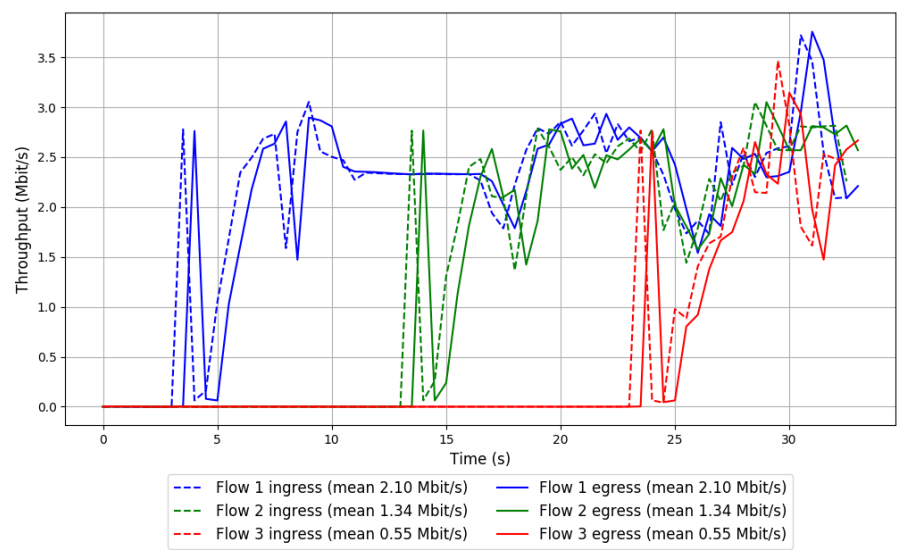


Run 9: Statistics of WebRTC media

Start at: 2018-07-26 21:42:55
End at: 2018-07-26 21:43:25
Local clock offset: -0.025 ms
Remote clock offset: -0.245 ms

Below is generated by plot.py at 2018-07-27 02:10:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 53.190 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 53.209 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 50.613 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 53.133 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-26 22:07:50

End at: 2018-07-26 22:08:20

Local clock offset: -0.169 ms

Remote clock offset: 0.102 ms

Below is generated by plot.py at 2018-07-27 02:10:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.94 Mbit/s

95th percentile per-packet one-way delay: 54.088 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 54.112 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 50.707 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 50.868 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

