

Pantheon Report

Generated at 2018-07-04 23:03:12 (UTC).

Data path: GCE Iowa 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.

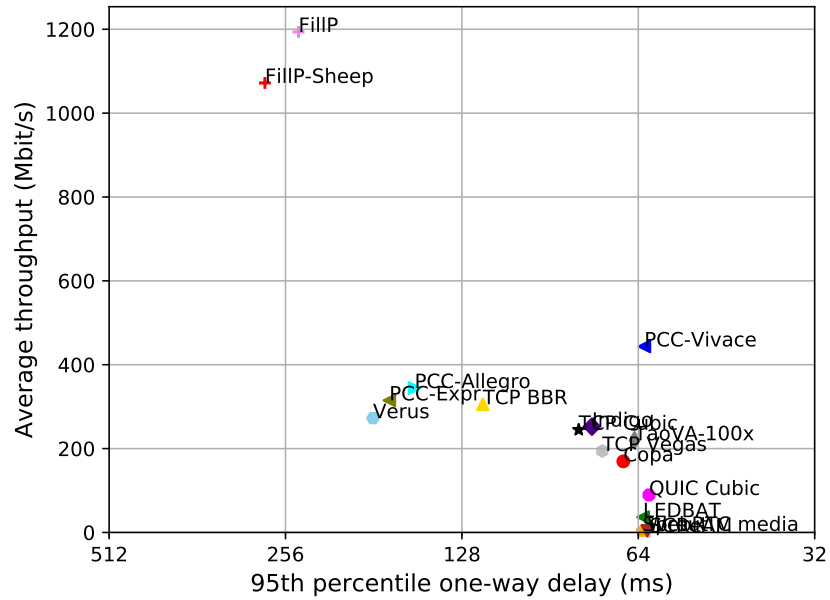
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

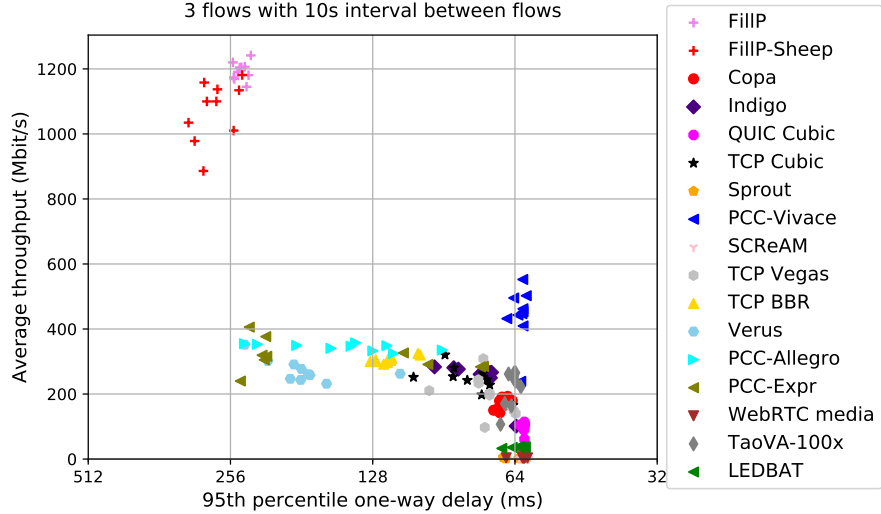
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
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 Iowa 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 Iowa to GCE Tokyo, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



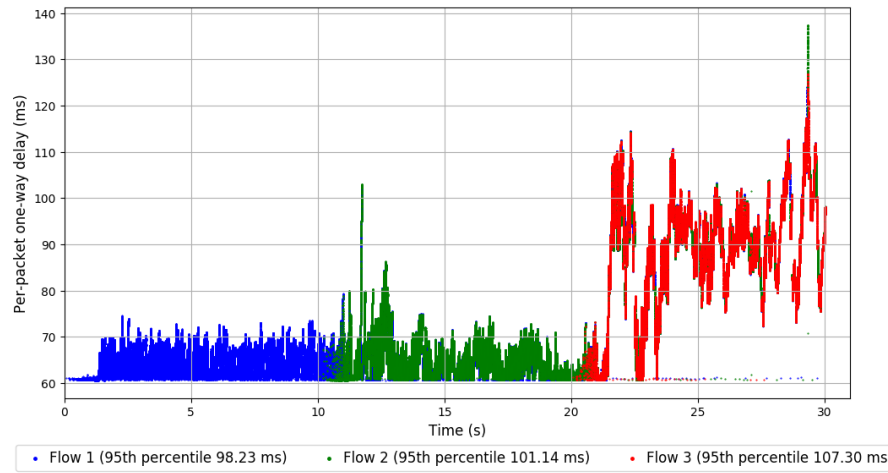
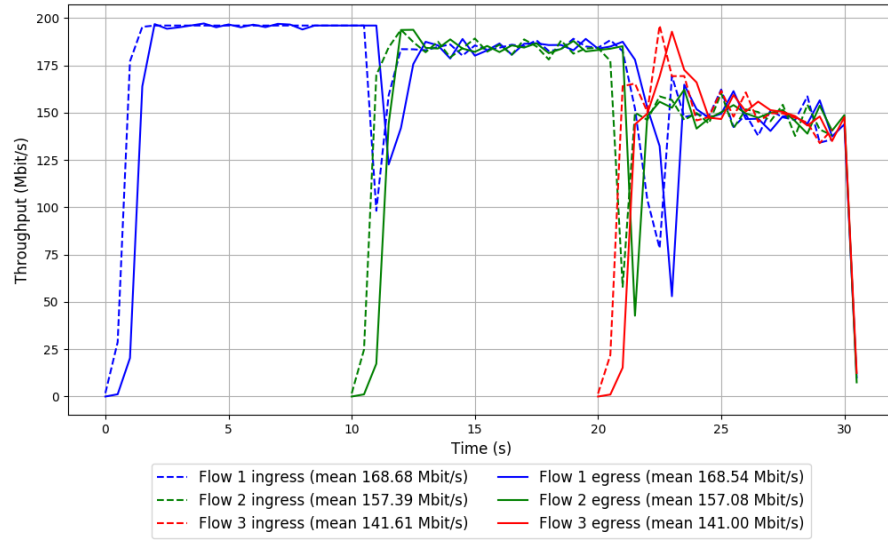
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	162.30	151.06	129.54	113.47	118.09	124.15	0.09	0.15	0.35
Copa	10	92.90	92.65	52.38	67.36	68.00	72.18	0.01	0.01	0.02
TCP Cubic	10	141.88	126.53	56.37	79.92	81.27	82.13	0.01	0.23	0.41
FillP	10	606.34	607.91	549.83	243.84	244.39	233.16	0.51	0.83	0.86
FillP-Sheep	10	542.42	543.28	508.22	283.75	254.44	171.94	2.34	0.68	0.53
Indigo	10	130.50	126.42	116.67	73.03	76.92	84.17	0.00	0.03	0.02
LEDBAT	10	23.43	15.65	7.72	63.08	62.53	62.57	0.00	0.00	0.00
PCC-Allegro	10	314.98	30.45	27.65	154.05	152.93	146.18	0.55	0.55	0.63
PCC-Expr	10	218.51	126.98	35.98	167.59	177.59	179.63	1.55	2.23	2.98
QUIC Cubic	10	39.99	47.81	53.98	61.32	61.32	61.56	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	61.31	61.17	62.13	0.00	0.04	0.00
Sprout	10	1.85	1.37	1.60	62.32	62.18	63.69	0.00	0.00	0.00
TaoVA-100x	10	135.75	94.82	92.38	64.27	66.88	66.80	0.00	0.01	0.01
TCP Vegas	10	113.38	86.57	70.26	71.24	73.64	74.23	0.01	0.08	0.07
Verus	10	155.58	134.52	88.84	167.01	179.24	196.83	0.87	1.56	2.56
PCC-Vivace	10	261.09	231.05	87.30	62.03	61.83	62.40	0.36	0.00	0.39
WebRTC media	10	1.98	1.36	0.54	61.15	61.77	61.78	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-04 16:23:11
End at: 2018-07-04 16:23:41
Local clock offset: -0.186 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-04 20:32:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 319.96 Mbit/s
95th percentile per-packet one-way delay: 101.553 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 168.54 Mbit/s
95th percentile per-packet one-way delay: 98.228 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 157.08 Mbit/s
95th percentile per-packet one-way delay: 101.136 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 141.00 Mbit/s
95th percentile per-packet one-way delay: 107.298 ms
Loss rate: 0.25%

Run 1: Report of TCP BBR — Data Link

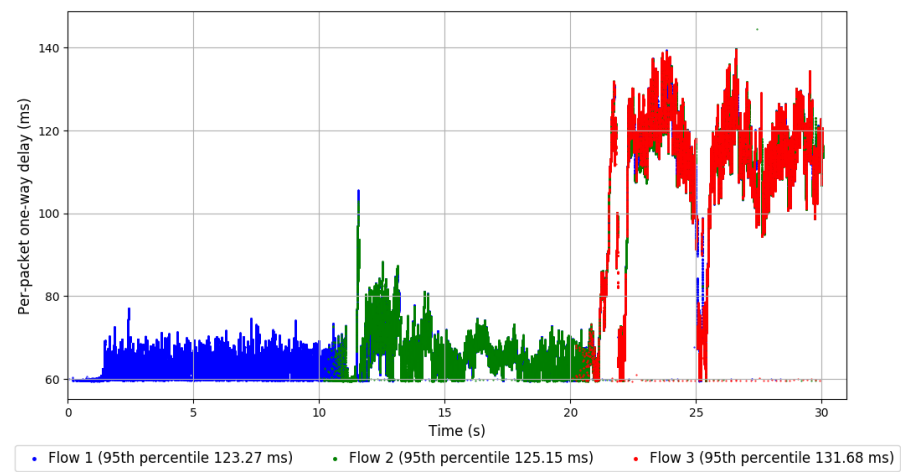
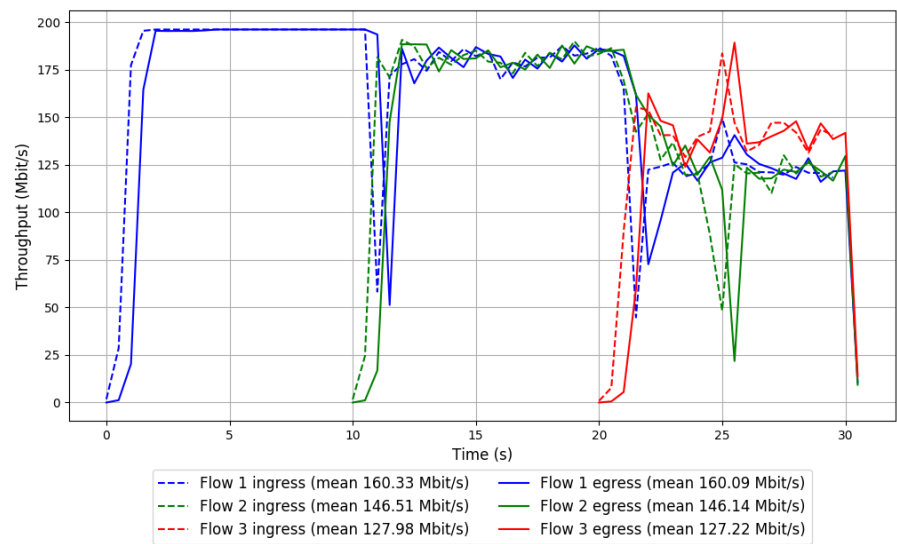


Run 2: Statistics of TCP BBR

Start at: 2018-07-04 16:47:34
End at: 2018-07-04 16:48:04
Local clock offset: -0.164 ms
Remote clock offset: -1.448 ms

Below is generated by plot.py at 2018-07-04 20:32:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 299.65 Mbit/s
95th percentile per-packet one-way delay: 126.414 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 160.09 Mbit/s
95th percentile per-packet one-way delay: 123.266 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 146.14 Mbit/s
95th percentile per-packet one-way delay: 125.154 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 127.22 Mbit/s
95th percentile per-packet one-way delay: 131.677 ms
Loss rate: 0.70%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-04 17:12:22

End at: 2018-07-04 17:12:52

Local clock offset: -0.025 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-07-04 20:32:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 324.93 Mbit/s

95th percentile per-packet one-way delay: 102.650 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 170.07 Mbit/s

95th percentile per-packet one-way delay: 96.884 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 161.08 Mbit/s

95th percentile per-packet one-way delay: 104.828 ms

Loss rate: 0.07%

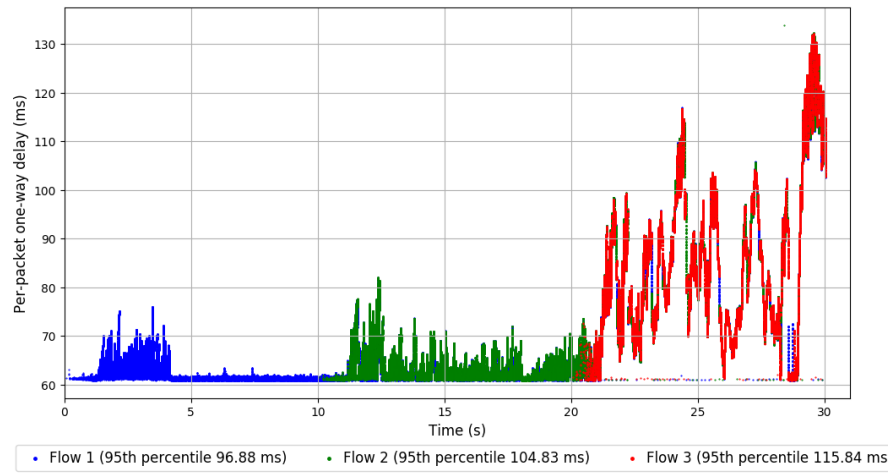
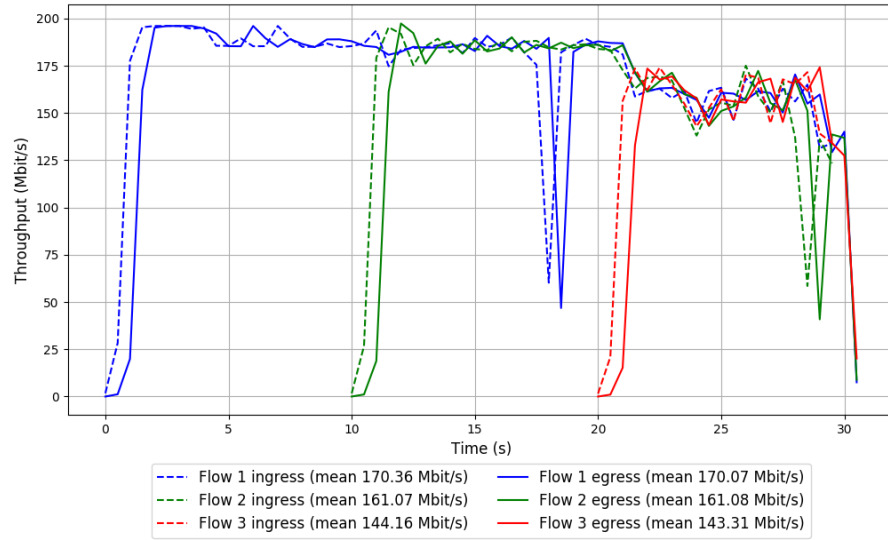
-- Flow 3:

Average throughput: 143.31 Mbit/s

95th percentile per-packet one-way delay: 115.836 ms

Loss rate: 0.57%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-04 17:36:52

End at: 2018-07-04 17:37:22

Local clock offset: -0.146 ms

Remote clock offset: 0.145 ms

Below is generated by plot.py at 2018-07-04 20:32:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 309.34 Mbit/s

95th percentile per-packet one-way delay: 116.504 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 162.36 Mbit/s

95th percentile per-packet one-way delay: 109.082 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 156.42 Mbit/s

95th percentile per-packet one-way delay: 116.392 ms

Loss rate: 0.18%

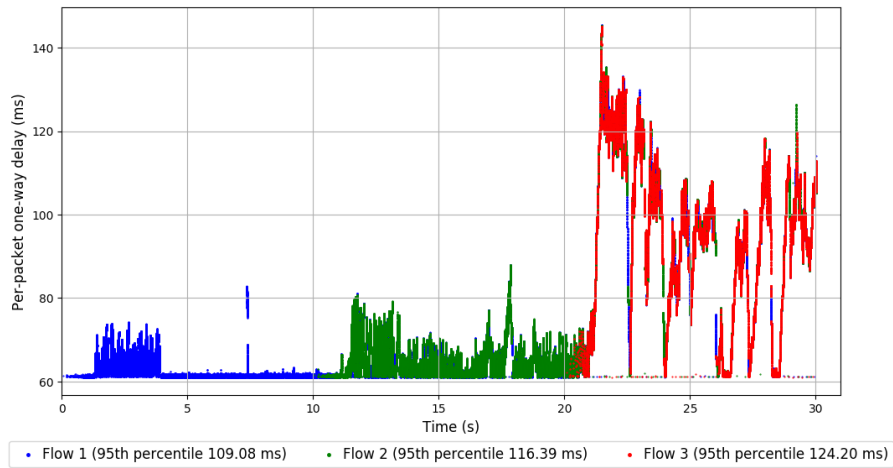
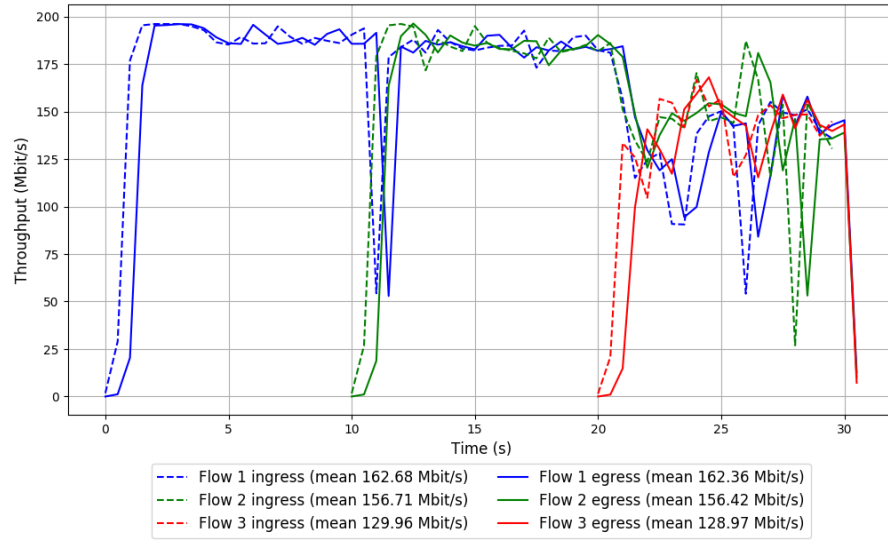
-- Flow 3:

Average throughput: 128.97 Mbit/s

95th percentile per-packet one-way delay: 124.200 ms

Loss rate: 0.67%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-04 18:01:16

End at: 2018-07-04 18:01:46

Local clock offset: -0.168 ms

Remote clock offset: 1.456 ms

Below is generated by plot.py at 2018-07-04 20:32:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 305.41 Mbit/s

95th percentile per-packet one-way delay: 126.134 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 166.03 Mbit/s

95th percentile per-packet one-way delay: 121.072 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 147.02 Mbit/s

95th percentile per-packet one-way delay: 126.279 ms

Loss rate: 0.17%

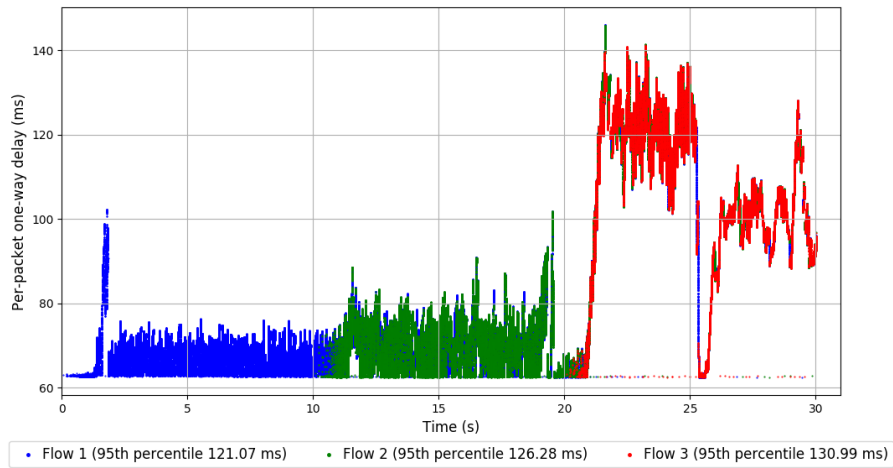
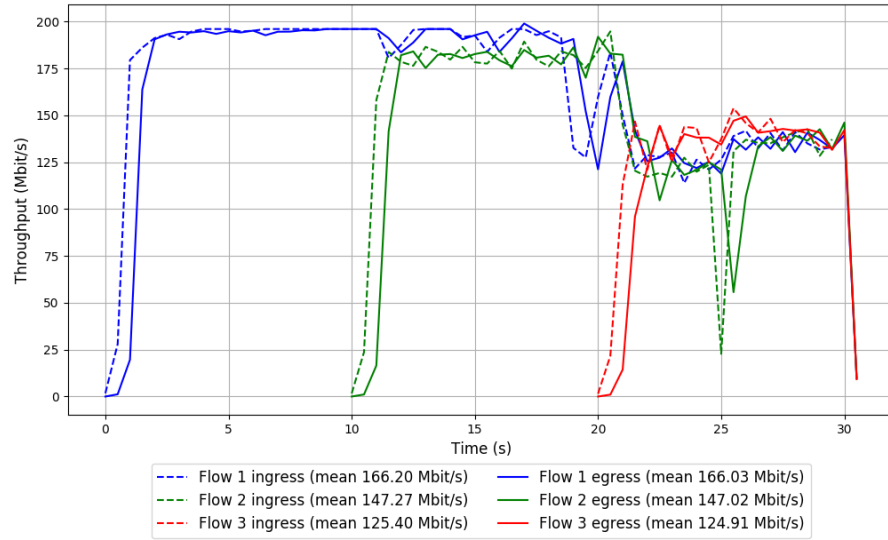
-- Flow 3:

Average throughput: 124.91 Mbit/s

95th percentile per-packet one-way delay: 130.992 ms

Loss rate: 0.38%

Run 5: Report of TCP BBR — Data Link

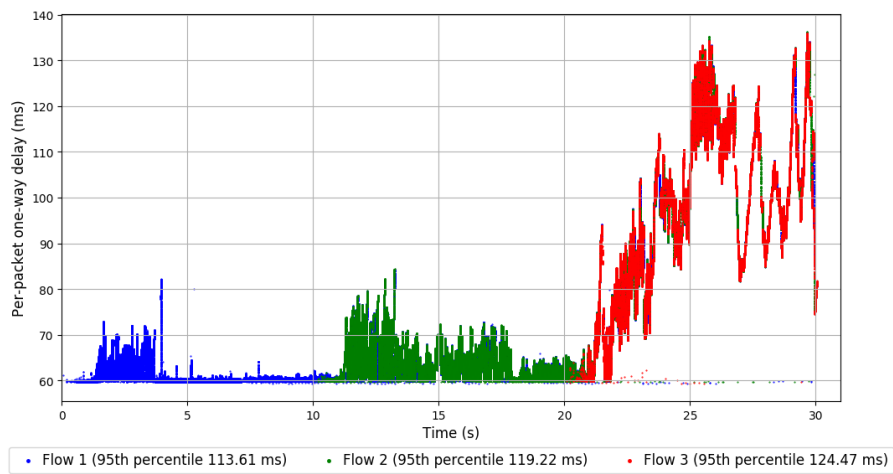
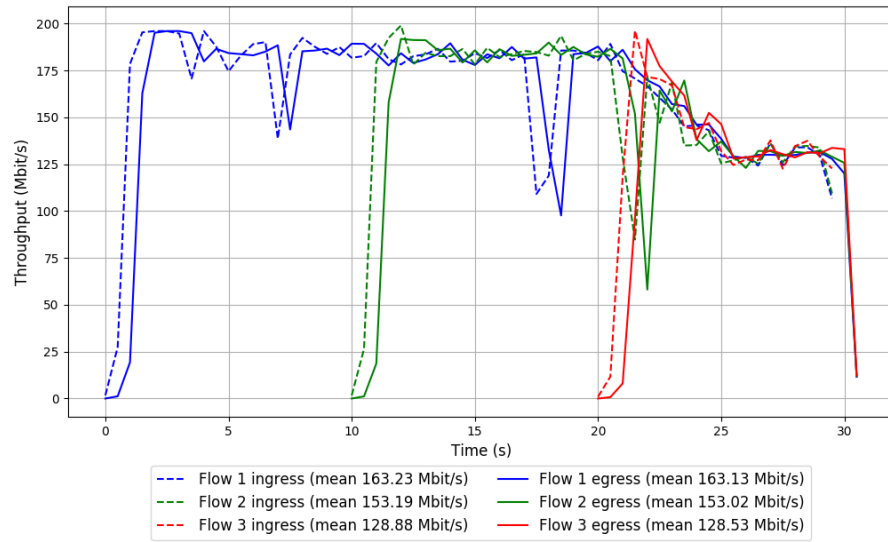


Run 6: Statistics of TCP BBR

Start at: 2018-07-04 18:25:55
End at: 2018-07-04 18:26:25
Local clock offset: -0.094 ms
Remote clock offset: -1.329 ms

Below is generated by plot.py at 2018-07-04 20:32:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 307.78 Mbit/s
95th percentile per-packet one-way delay: 118.626 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 163.13 Mbit/s
95th percentile per-packet one-way delay: 113.606 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 153.02 Mbit/s
95th percentile per-packet one-way delay: 119.215 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 128.53 Mbit/s
95th percentile per-packet one-way delay: 124.467 ms
Loss rate: 0.26%

Run 6: Report of TCP BBR — Data Link

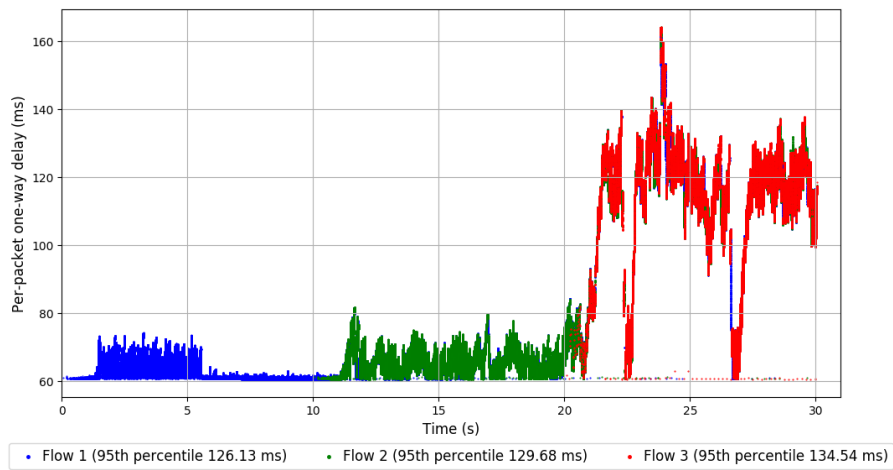
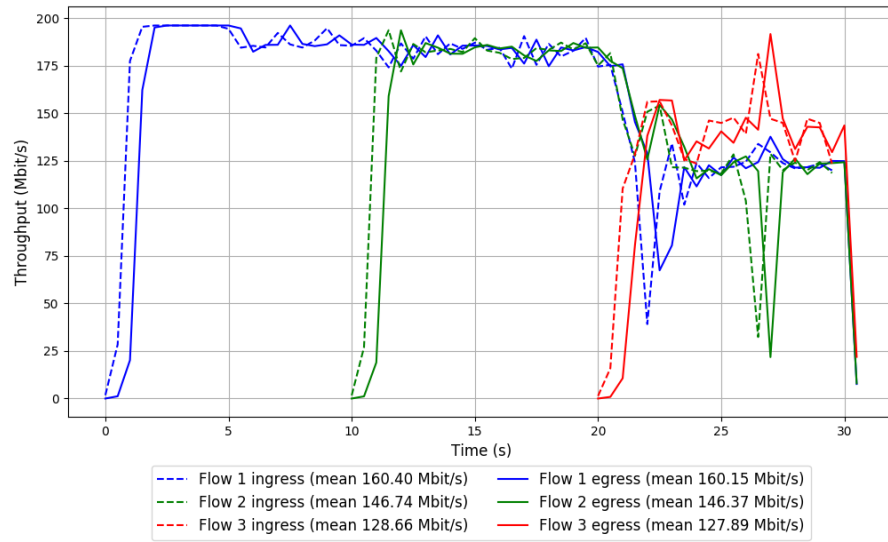


Run 7: Statistics of TCP BBR

Start at: 2018-07-04 18:50:36
End at: 2018-07-04 18:51:06
Local clock offset: -0.064 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-04 20:32:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 300.15 Mbit/s
95th percentile per-packet one-way delay: 129.594 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 160.15 Mbit/s
95th percentile per-packet one-way delay: 126.128 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 146.37 Mbit/s
95th percentile per-packet one-way delay: 129.679 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 127.89 Mbit/s
95th percentile per-packet one-way delay: 134.536 ms
Loss rate: 0.09%

Run 7: Report of TCP BBR — Data Link

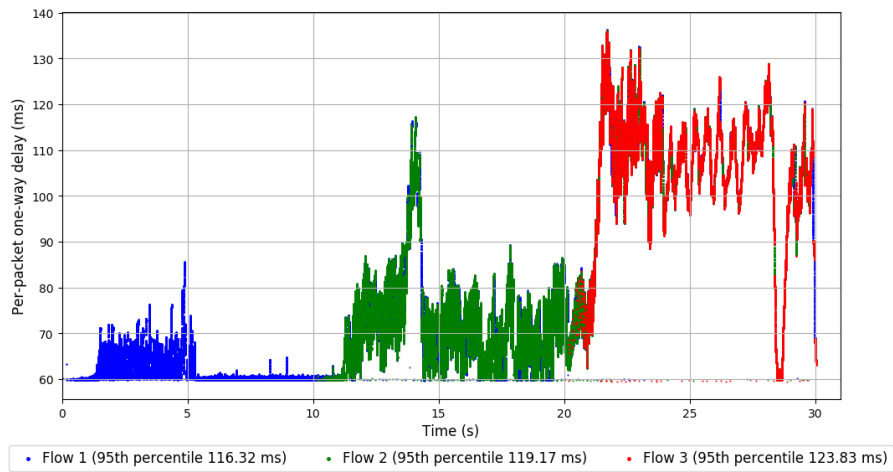
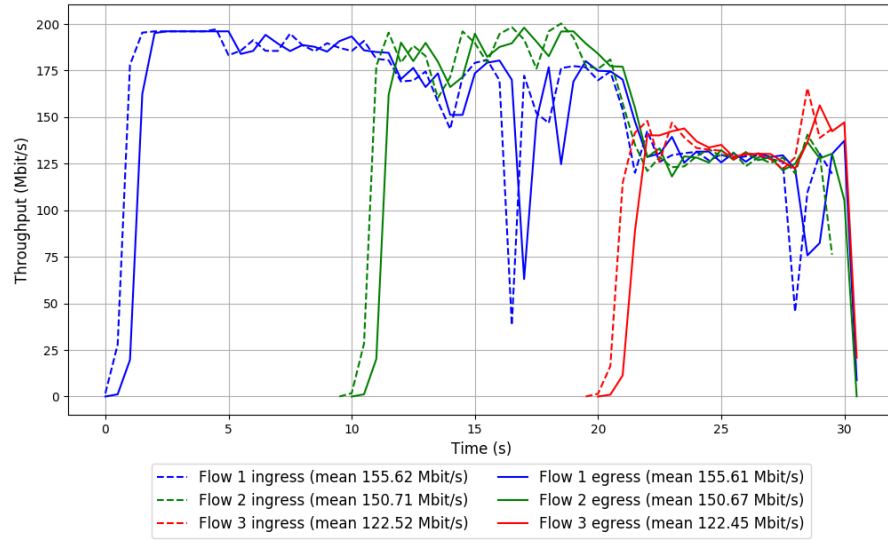


Run 8: Statistics of TCP BBR

Start at: 2018-07-04 19:15:09
End at: 2018-07-04 19:15:39
Local clock offset: 0.008 ms
Remote clock offset: -1.206 ms

Below is generated by plot.py at 2018-07-04 20:32:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 296.72 Mbit/s
95th percentile per-packet one-way delay: 119.177 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 155.61 Mbit/s
95th percentile per-packet one-way delay: 116.316 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 150.67 Mbit/s
95th percentile per-packet one-way delay: 119.170 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 122.45 Mbit/s
95th percentile per-packet one-way delay: 123.829 ms
Loss rate: 0.06%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-04 19:39:30

End at: 2018-07-04 19:40:00

Local clock offset: -0.043 ms

Remote clock offset: -1.32 ms

Below is generated by plot.py at 2018-07-04 20:37:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 303.74 Mbit/s

95th percentile per-packet one-way delay: 117.211 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 161.28 Mbit/s

95th percentile per-packet one-way delay: 111.635 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 151.39 Mbit/s

95th percentile per-packet one-way delay: 117.492 ms

Loss rate: 0.03%

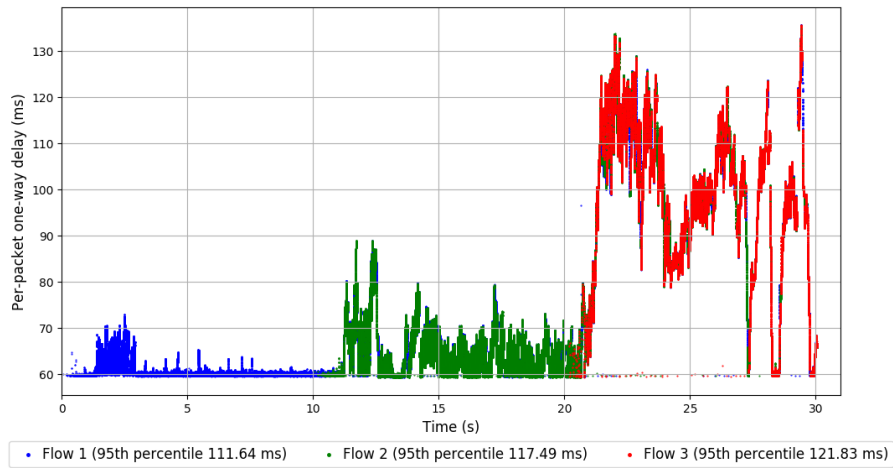
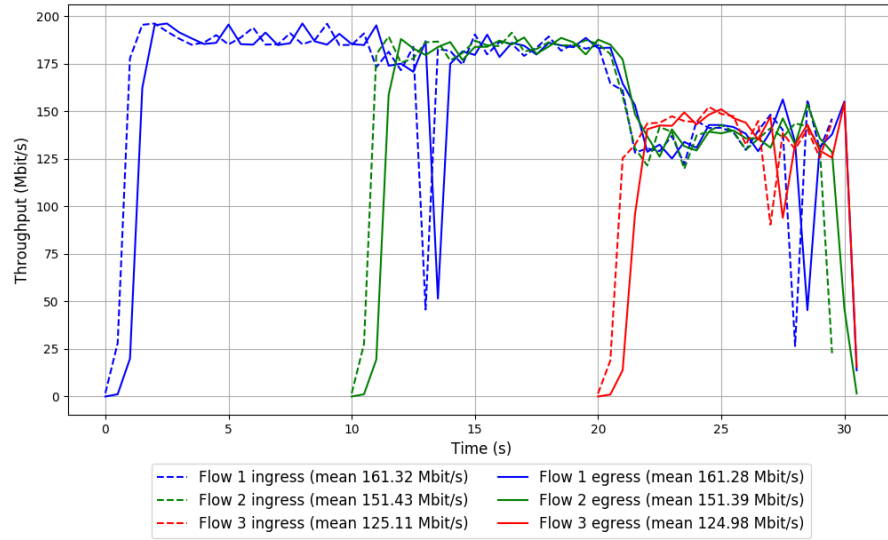
-- Flow 3:

Average throughput: 124.98 Mbit/s

95th percentile per-packet one-way delay: 121.829 ms

Loss rate: 0.09%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-04 20:03:52

End at: 2018-07-04 20:04:22

Local clock offset: -0.084 ms

Remote clock offset: 0.188 ms

Below is generated by plot.py at 2018-07-04 20:37:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 291.80 Mbit/s

95th percentile per-packet one-way delay: 121.353 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 155.70 Mbit/s

95th percentile per-packet one-way delay: 118.481 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 141.42 Mbit/s

95th percentile per-packet one-way delay: 121.514 ms

Loss rate: 0.21%

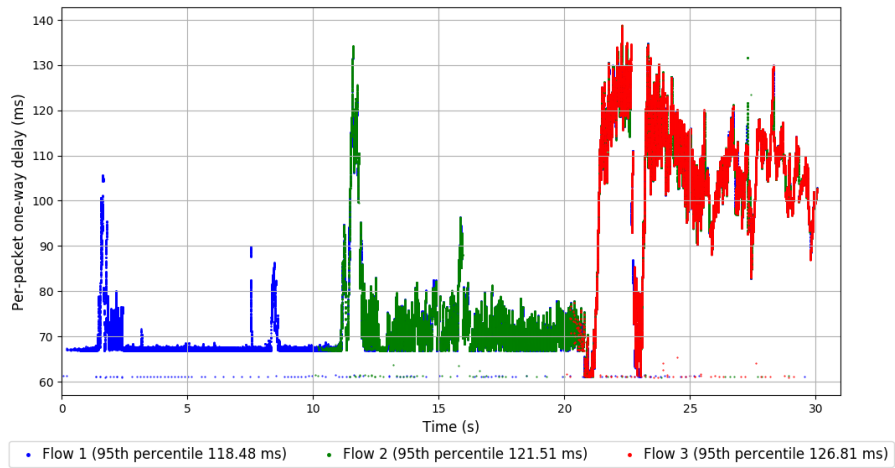
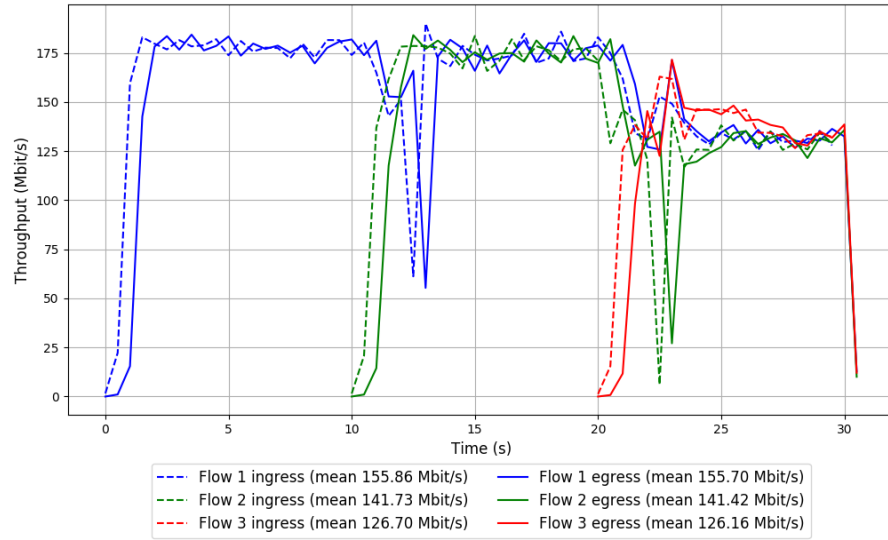
-- Flow 3:

Average throughput: 126.16 Mbit/s

95th percentile per-packet one-way delay: 126.810 ms

Loss rate: 0.44%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-04 16:15:53

End at: 2018-07-04 16:16:23

Local clock offset: -0.205 ms

Remote clock offset: 1.068 ms

Below is generated by plot.py at 2018-07-04 20:37:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 150.17 Mbit/s

95th percentile per-packet one-way delay: 71.002 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 75.73 Mbit/s

95th percentile per-packet one-way delay: 71.798 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 85.65 Mbit/s

95th percentile per-packet one-way delay: 69.236 ms

Loss rate: 0.00%

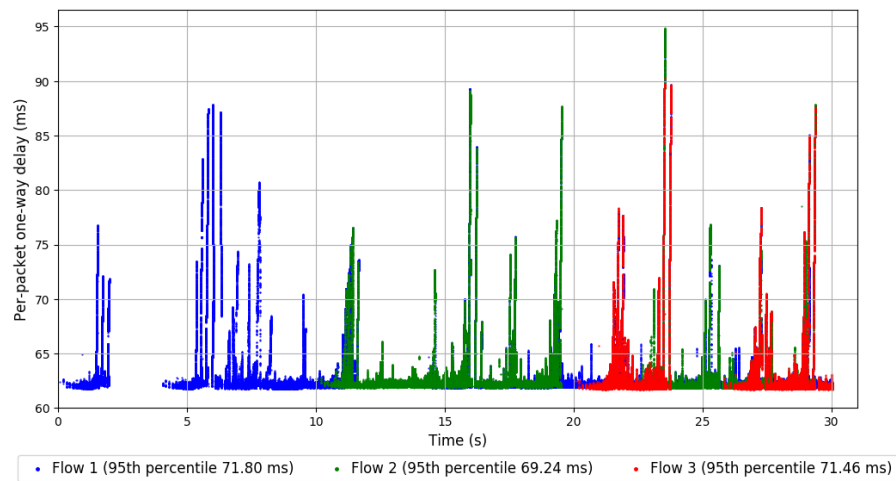
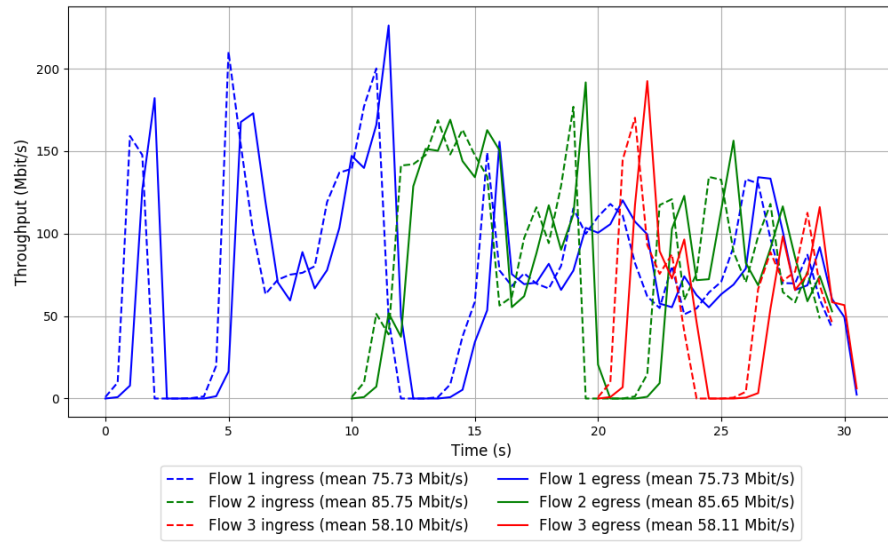
-- Flow 3:

Average throughput: 58.11 Mbit/s

95th percentile per-packet one-way delay: 71.461 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

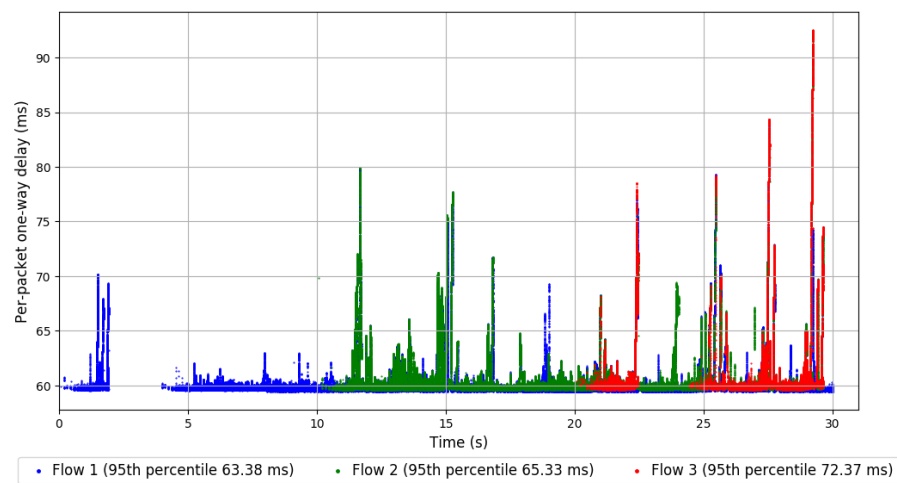
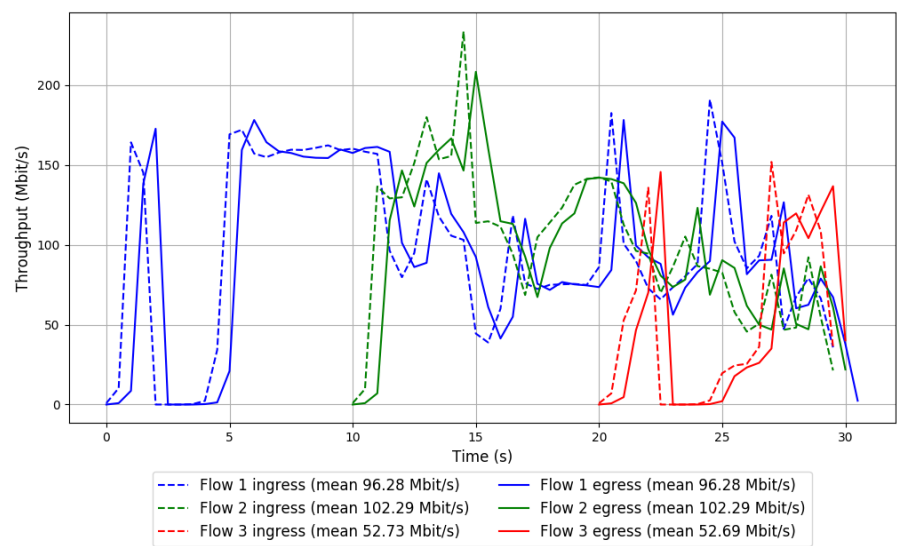


Run 2: Statistics of Copa

Start at: 2018-07-04 16:40:15
End at: 2018-07-04 16:40:45
Local clock offset: -0.206 ms
Remote clock offset: -1.238 ms

Below is generated by plot.py at 2018-07-04 20:38:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 179.88 Mbit/s
95th percentile per-packet one-way delay: 64.856 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 63.376 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 102.29 Mbit/s
95th percentile per-packet one-way delay: 65.333 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.69 Mbit/s
95th percentile per-packet one-way delay: 72.366 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

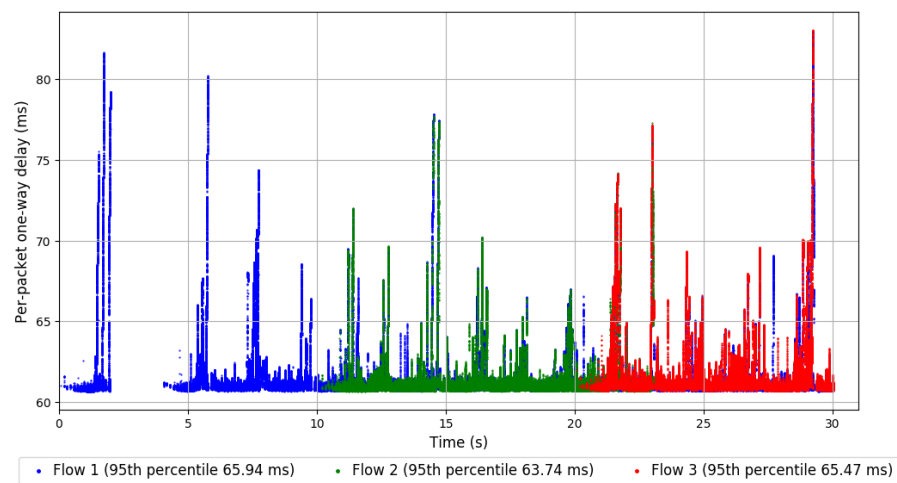
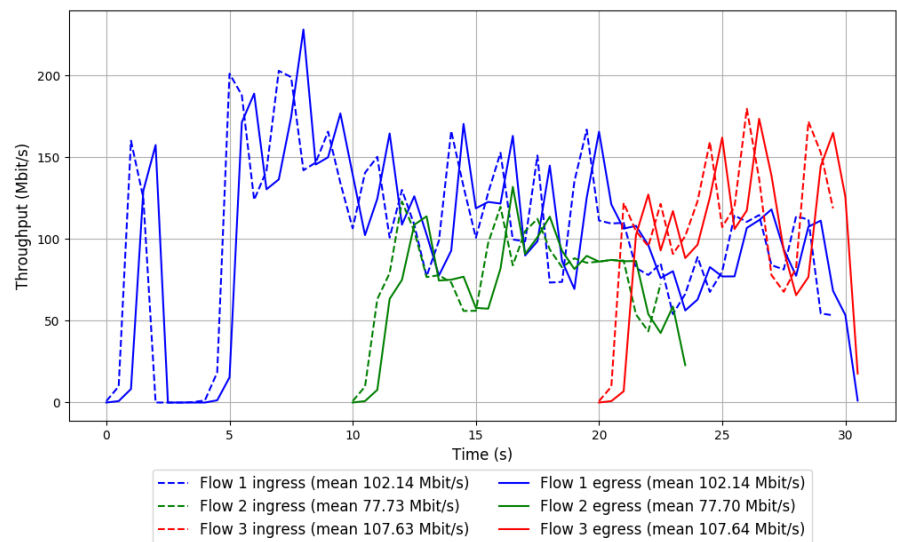


Run 3: Statistics of Copa

Start at: 2018-07-04 17:04:59
End at: 2018-07-04 17:05:29
Local clock offset: -0.054 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-04 20:38:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 171.57 Mbit/s
95th percentile per-packet one-way delay: 65.524 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.14 Mbit/s
95th percentile per-packet one-way delay: 65.940 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 77.70 Mbit/s
95th percentile per-packet one-way delay: 63.740 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 107.64 Mbit/s
95th percentile per-packet one-way delay: 65.465 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-04 17:29:33

End at: 2018-07-04 17:30:03

Local clock offset: -0.099 ms

Remote clock offset: 0.139 ms

Below is generated by plot.py at 2018-07-04 20:38:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 142.42 Mbit/s

95th percentile per-packet one-way delay: 68.896 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 82.64 Mbit/s

95th percentile per-packet one-way delay: 68.619 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 77.73 Mbit/s

95th percentile per-packet one-way delay: 69.691 ms

Loss rate: 0.00%

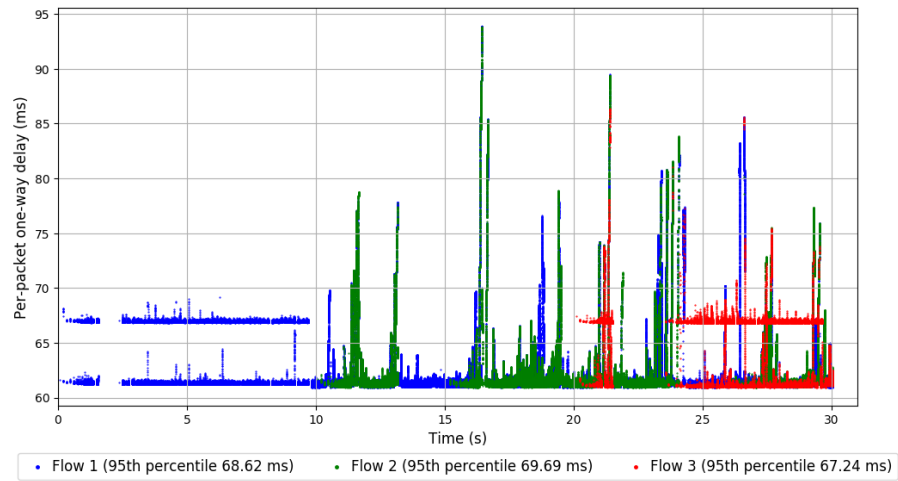
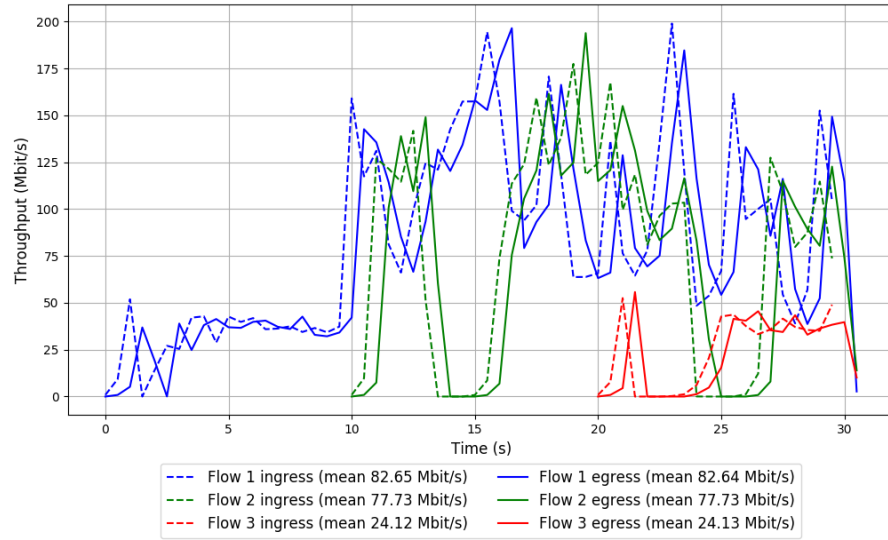
-- Flow 3:

Average throughput: 24.13 Mbit/s

95th percentile per-packet one-way delay: 67.240 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-04 17:53:57

End at: 2018-07-04 17:54:27

Local clock offset: -0.151 ms

Remote clock offset: 0.989 ms

Below is generated by plot.py at 2018-07-04 20:38:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 154.02 Mbit/s

95th percentile per-packet one-way delay: 69.644 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 93.13 Mbit/s

95th percentile per-packet one-way delay: 68.796 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 80.75 Mbit/s

95th percentile per-packet one-way delay: 69.285 ms

Loss rate: 0.00%

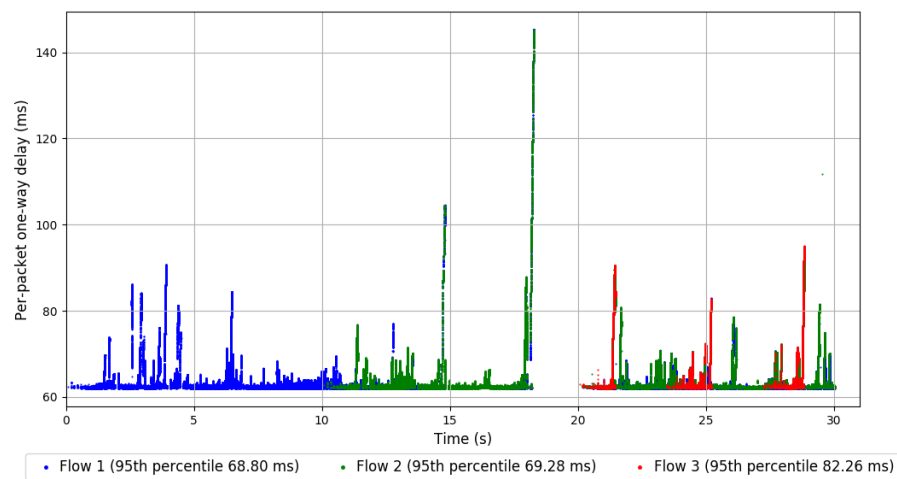
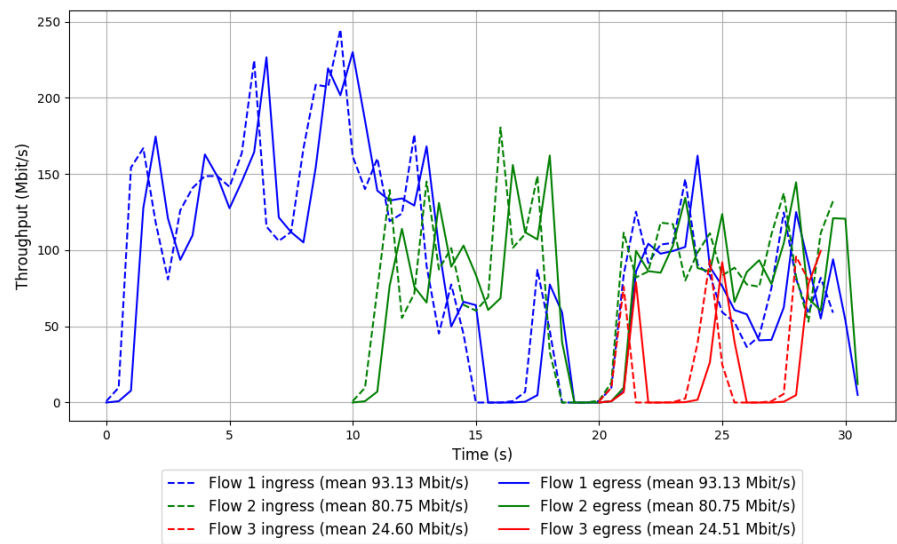
-- Flow 3:

Average throughput: 24.51 Mbit/s

95th percentile per-packet one-way delay: 82.258 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

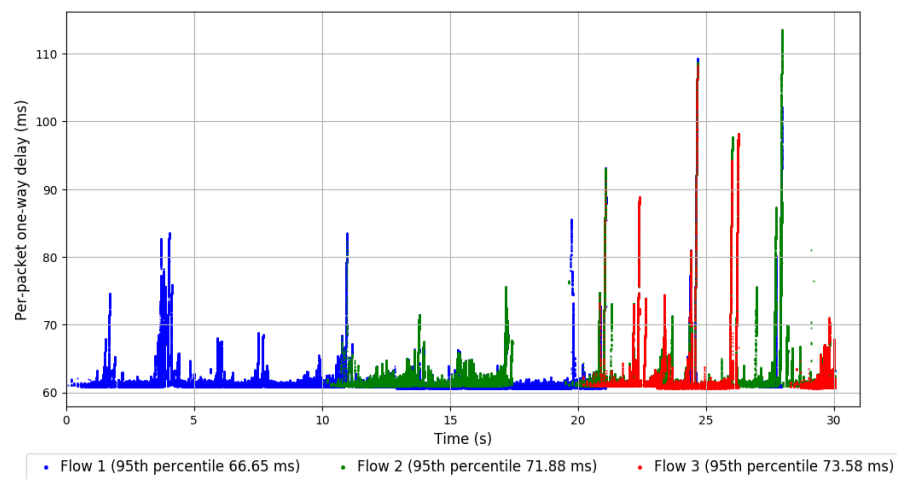
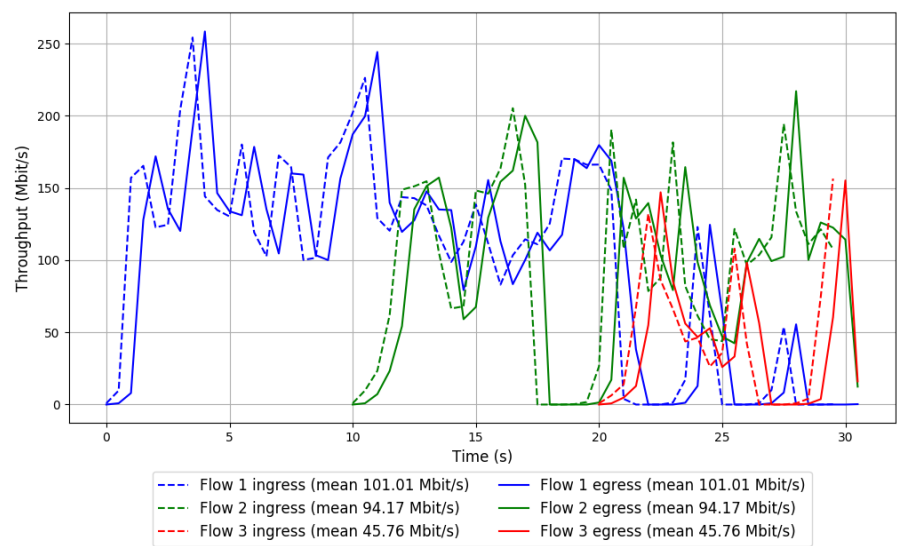


Run 6: Statistics of Copa

Start at: 2018-07-04 18:18:40
End at: 2018-07-04 18:19:10
Local clock offset: -0.16 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-04 20:38:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 178.86 Mbit/s
95th percentile per-packet one-way delay: 68.991 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.01 Mbit/s
95th percentile per-packet one-way delay: 66.652 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 71.884 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.76 Mbit/s
95th percentile per-packet one-way delay: 73.583 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-04 18:43:12

End at: 2018-07-04 18:43:42

Local clock offset: -0.057 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-07-04 20:43:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 190.45 Mbit/s

95th percentile per-packet one-way delay: 68.166 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 116.11 Mbit/s

95th percentile per-packet one-way delay: 66.285 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 91.50 Mbit/s

95th percentile per-packet one-way delay: 69.930 ms

Loss rate: 0.00%

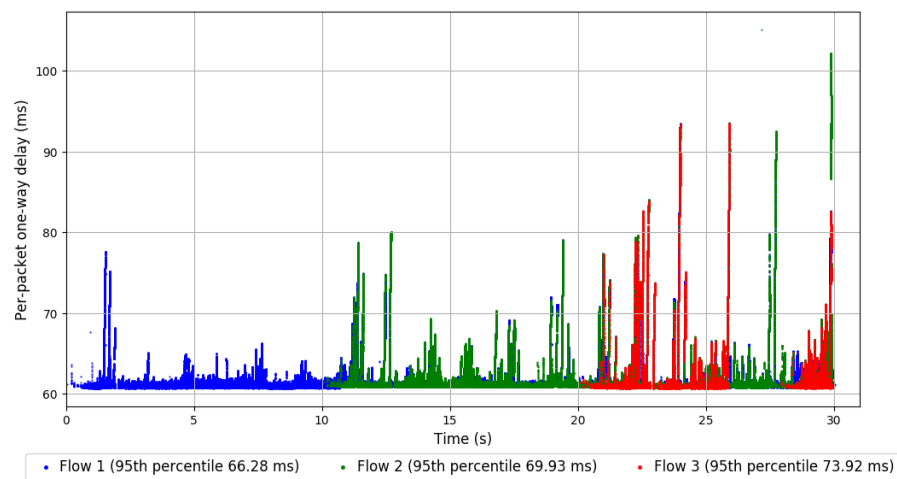
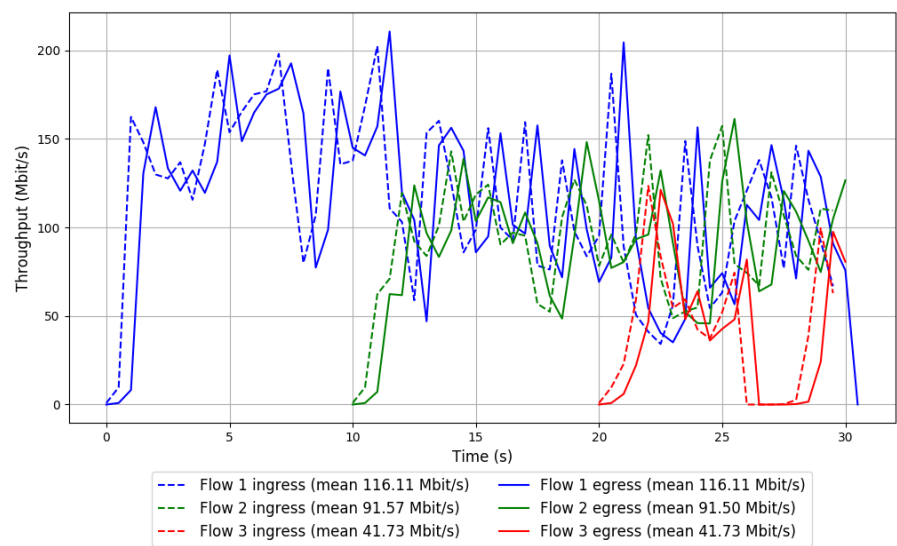
-- Flow 3:

Average throughput: 41.73 Mbit/s

95th percentile per-packet one-way delay: 73.918 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link

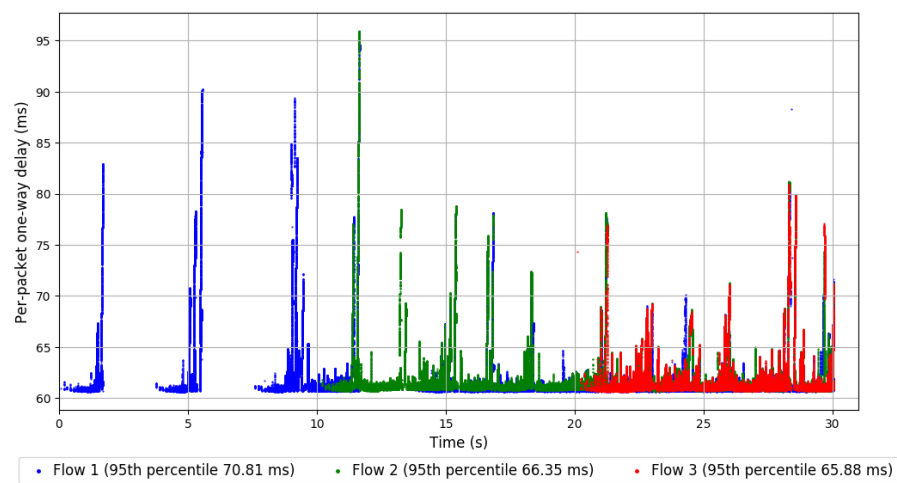
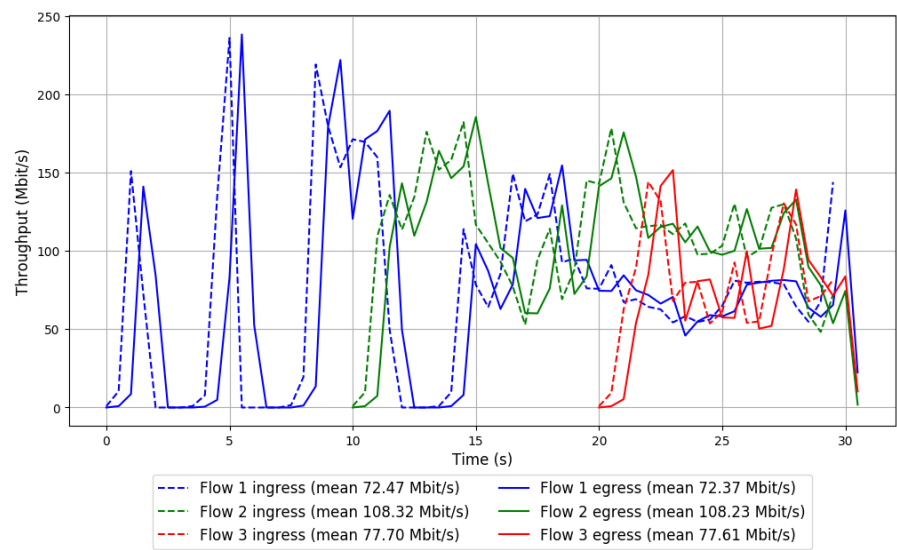


Run 8: Statistics of Copa

Start at: 2018-07-04 19:07:50
End at: 2018-07-04 19:08:20
Local clock offset: 0.023 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-04 20:43:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 170.21 Mbit/s
95th percentile per-packet one-way delay: 68.071 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 72.37 Mbit/s
95th percentile per-packet one-way delay: 70.814 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 108.23 Mbit/s
95th percentile per-packet one-way delay: 66.348 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 77.61 Mbit/s
95th percentile per-packet one-way delay: 65.883 ms
Loss rate: 0.24%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-04 19:32:08

End at: 2018-07-04 19:32:38

Local clock offset: -0.037 ms

Remote clock offset: 1.29 ms

Below is generated by plot.py at 2018-07-04 20:44:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 192.66 Mbit/s

95th percentile per-packet one-way delay: 66.336 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 100.07 Mbit/s

95th percentile per-packet one-way delay: 66.105 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 104.81 Mbit/s

95th percentile per-packet one-way delay: 66.510 ms

Loss rate: 0.00%

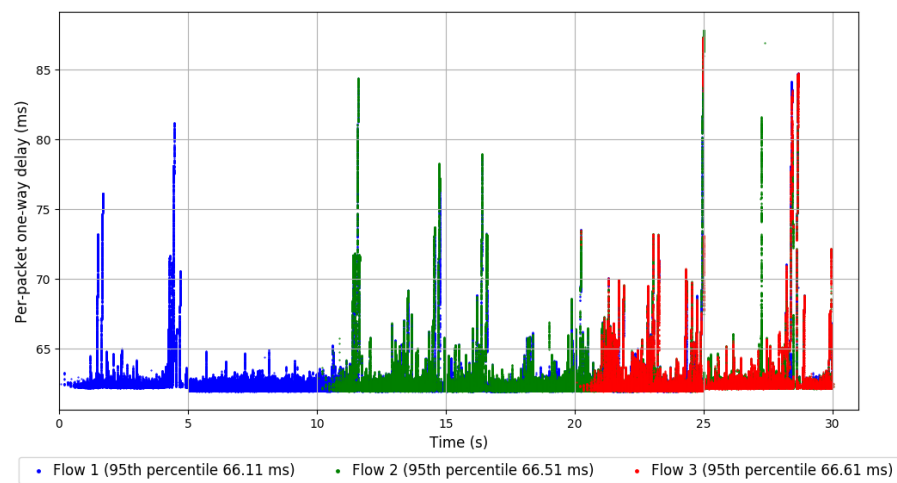
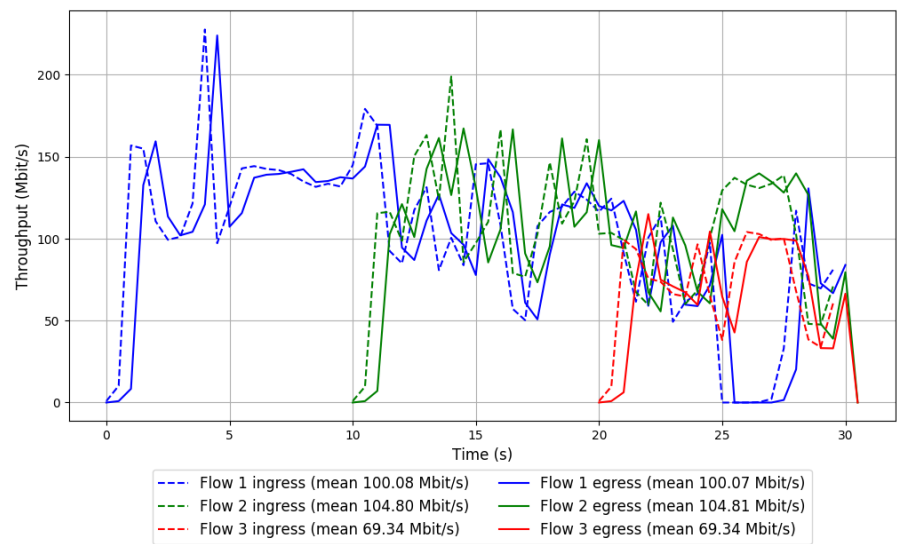
-- Flow 3:

Average throughput: 69.34 Mbit/s

95th percentile per-packet one-way delay: 66.606 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link

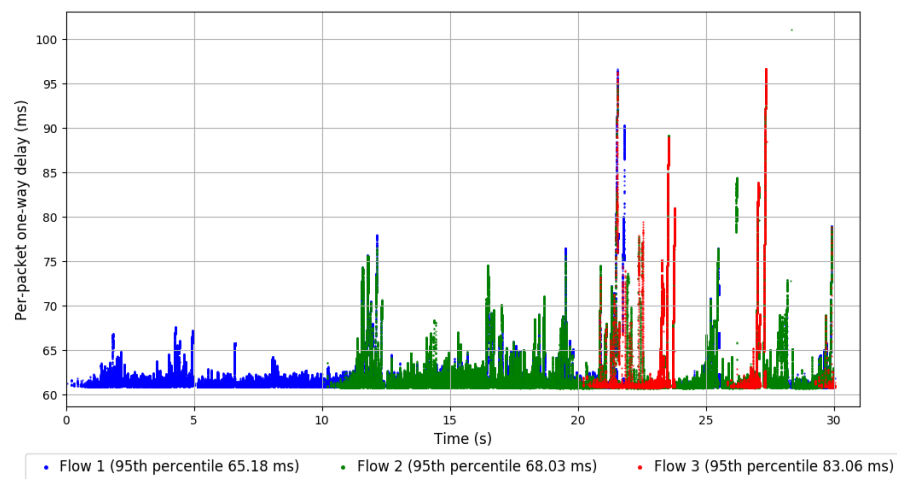
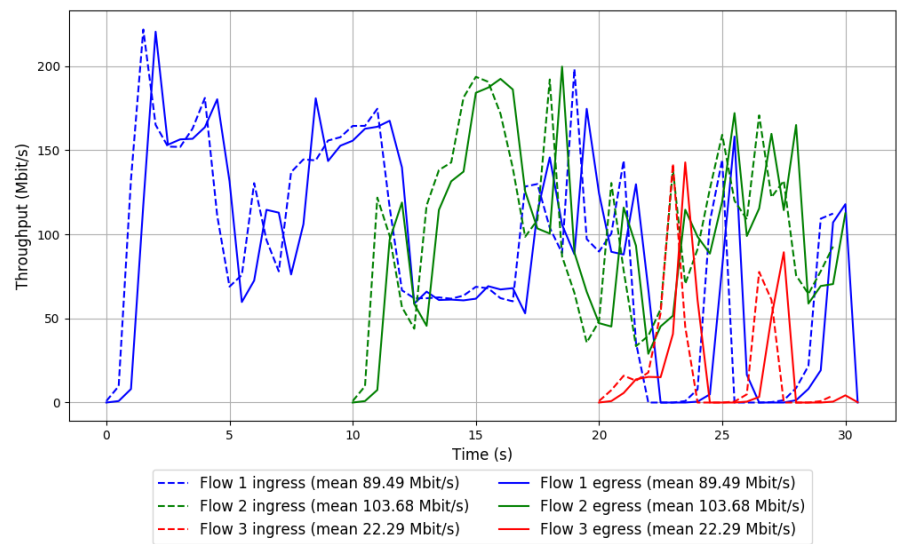


Run 10: Statistics of Copa

Start at: 2018-07-04 19:56:33
End at: 2018-07-04 19:57:03
Local clock offset: -0.107 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-04 20:44:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 165.75 Mbit/s
95th percentile per-packet one-way delay: 67.219 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.49 Mbit/s
95th percentile per-packet one-way delay: 65.181 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 103.68 Mbit/s
95th percentile per-packet one-way delay: 68.028 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.29 Mbit/s
95th percentile per-packet one-way delay: 83.063 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

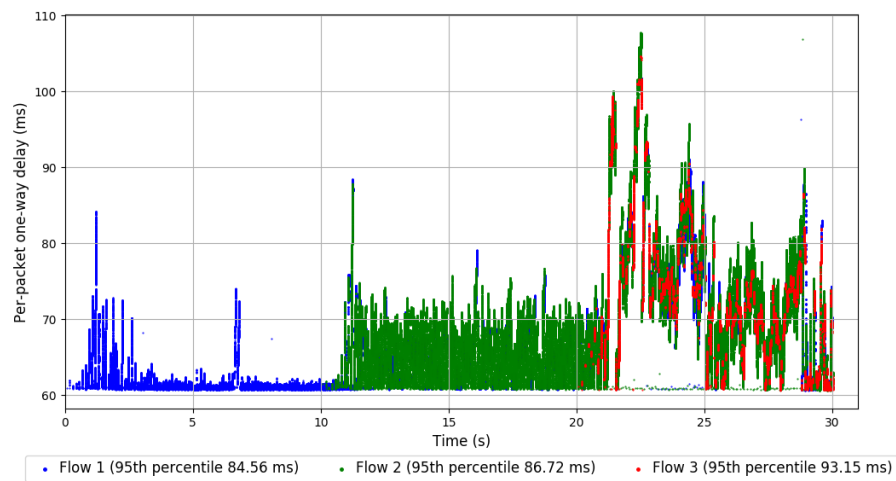
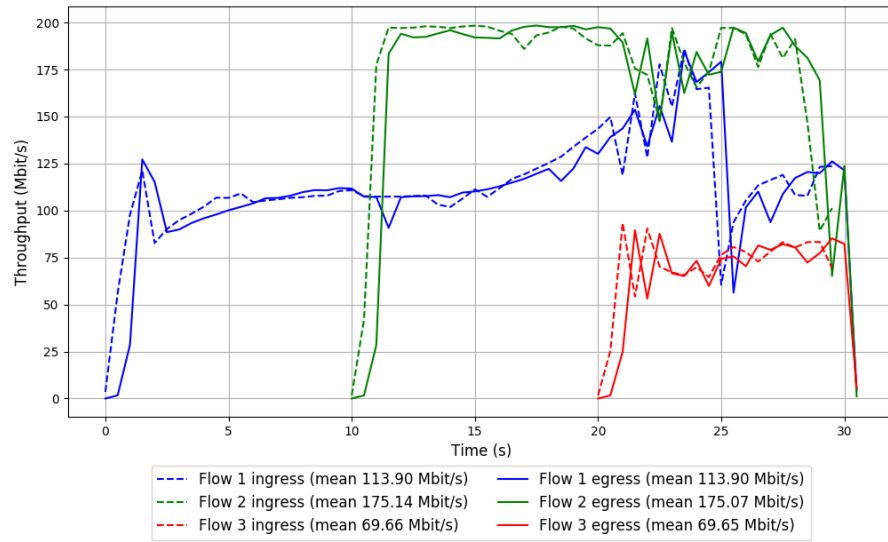


Run 1: Statistics of TCP Cubic

Start at: 2018-07-04 16:17:16
End at: 2018-07-04 16:17:46
Local clock offset: -0.254 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-07-04 20:44:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 253.65 Mbit/s
95th percentile per-packet one-way delay: 86.508 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 113.90 Mbit/s
95th percentile per-packet one-way delay: 84.559 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 175.07 Mbit/s
95th percentile per-packet one-way delay: 86.718 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 69.65 Mbit/s
95th percentile per-packet one-way delay: 93.148 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

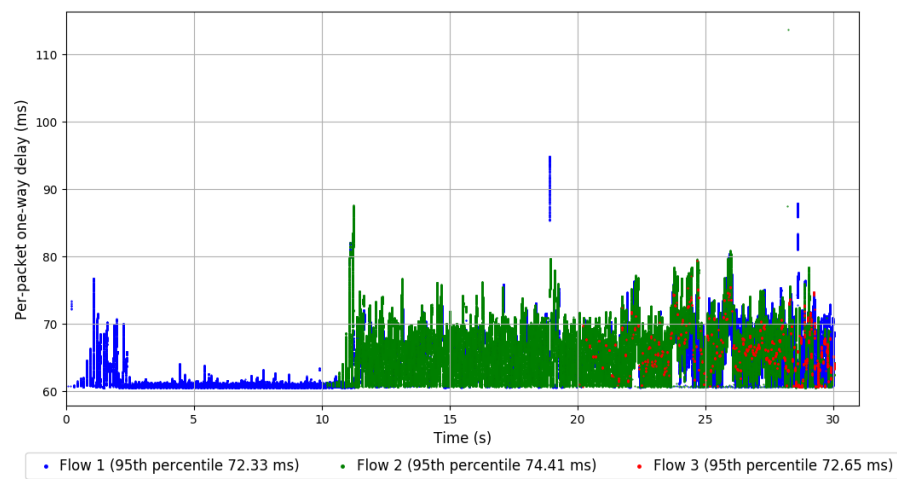
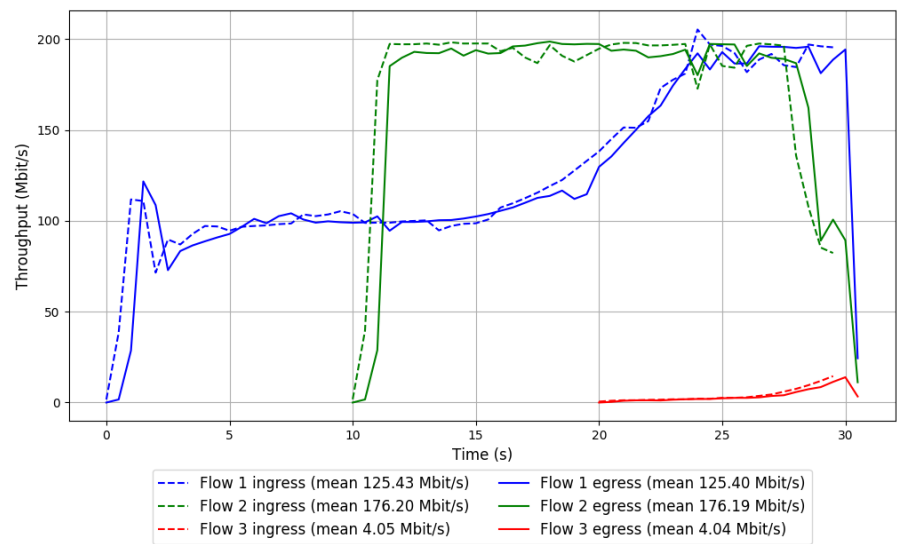


Run 2: Statistics of TCP Cubic

Start at: 2018-07-04 16:41:41
End at: 2018-07-04 16:42:11
Local clock offset: -0.174 ms
Remote clock offset: -0.295 ms

Below is generated by plot.py at 2018-07-04 20:44:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 244.05 Mbit/s
95th percentile per-packet one-way delay: 73.336 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.40 Mbit/s
95th percentile per-packet one-way delay: 72.334 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 176.19 Mbit/s
95th percentile per-packet one-way delay: 74.406 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 72.654 ms
Loss rate: 0.21%

Run 2: Report of TCP Cubic — Data Link

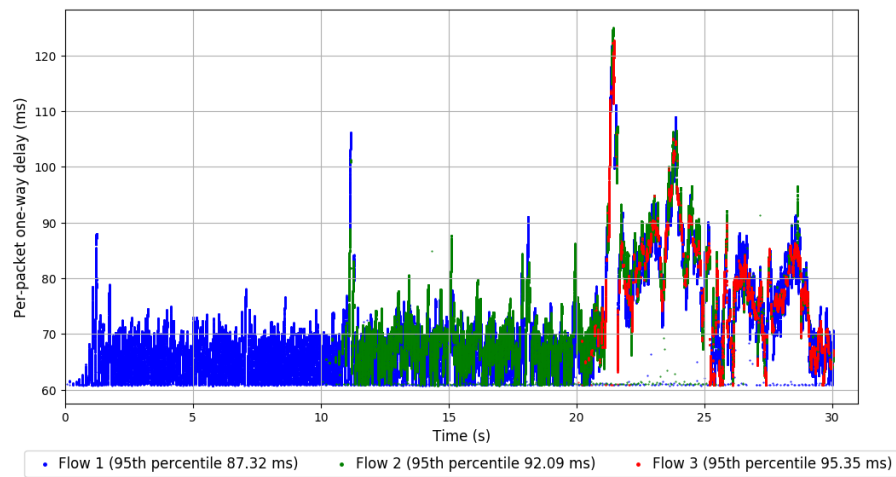
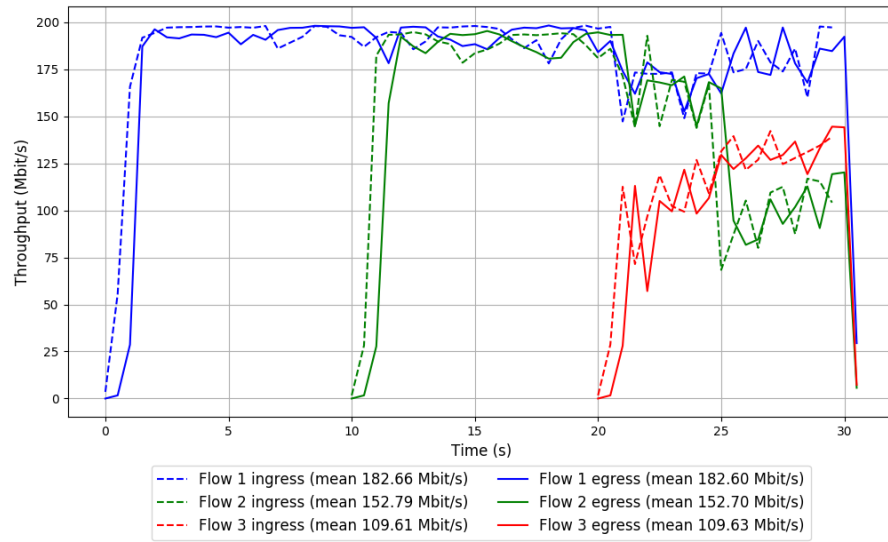


Run 3: Statistics of TCP Cubic

Start at: 2018-07-04 17:06:24
End at: 2018-07-04 17:06:54
Local clock offset: -0.077 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-04 20:44:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 320.68 Mbit/s
95th percentile per-packet one-way delay: 90.011 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 182.60 Mbit/s
95th percentile per-packet one-way delay: 87.318 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 152.70 Mbit/s
95th percentile per-packet one-way delay: 92.093 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 109.63 Mbit/s
95th percentile per-packet one-way delay: 95.348 ms
Loss rate: 0.02%

Run 3: Report of TCP Cubic — Data Link

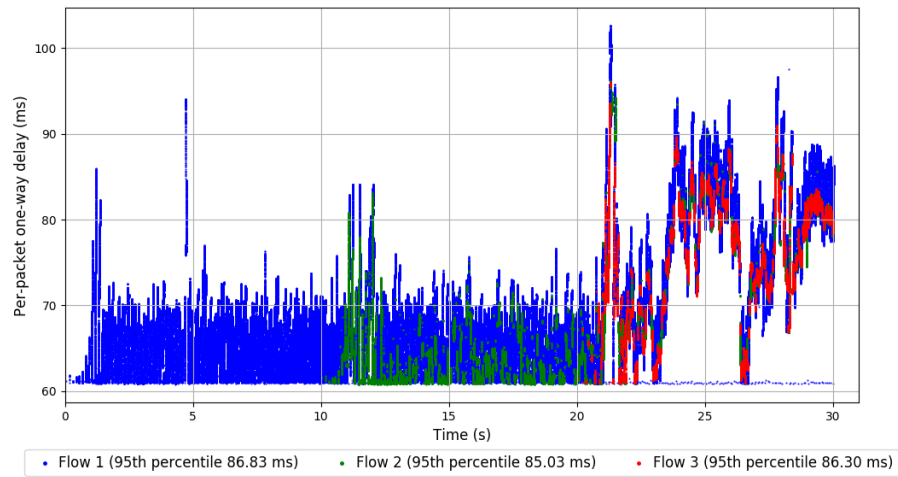
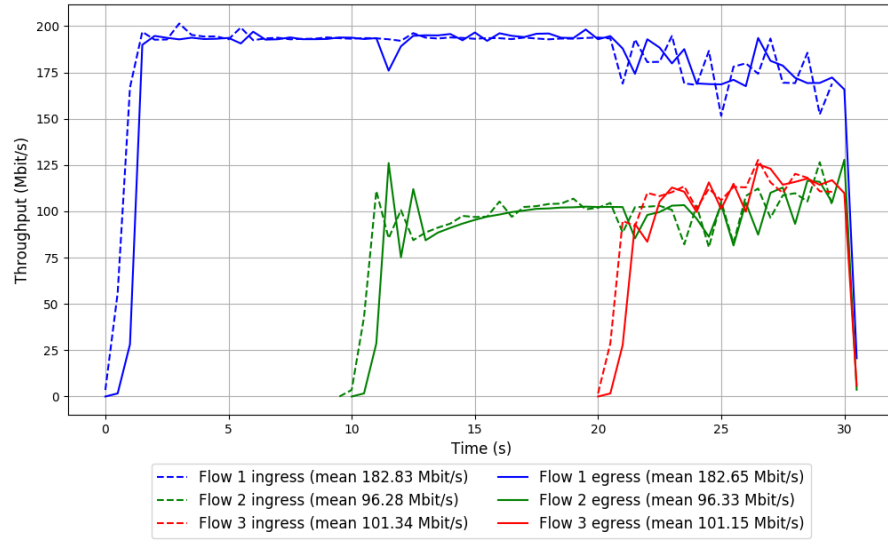


Run 4: Statistics of TCP Cubic

Start at: 2018-07-04 17:30:55
End at: 2018-07-04 17:31:25
Local clock offset: -0.163 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-04 20:44:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 280.27 Mbit/s
95th percentile per-packet one-way delay: 86.228 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 182.65 Mbit/s
95th percentile per-packet one-way delay: 86.827 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 85.027 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 101.15 Mbit/s
95th percentile per-packet one-way delay: 86.302 ms
Loss rate: 0.44%

Run 4: Report of TCP Cubic — Data Link

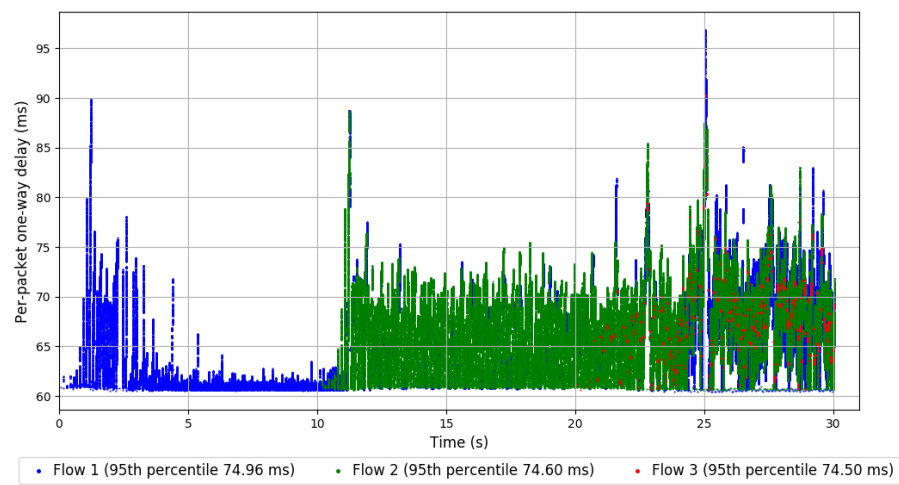
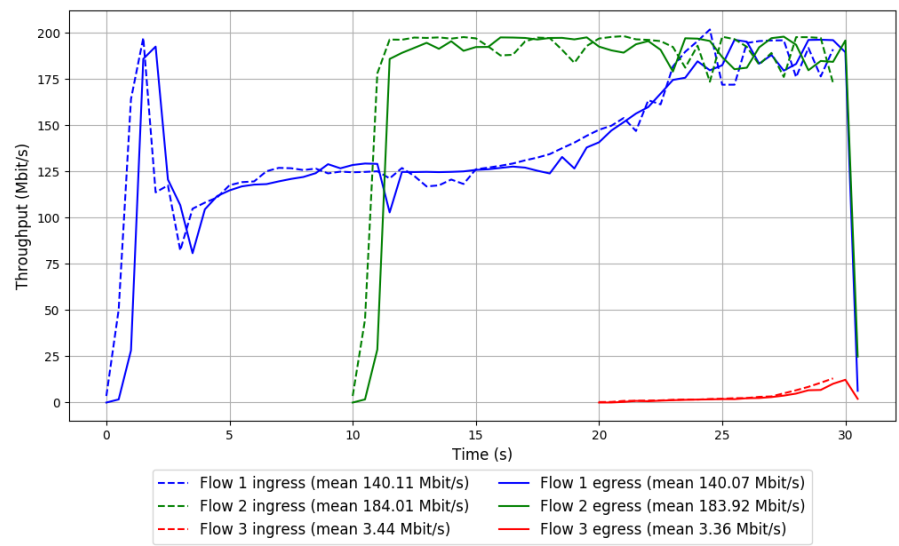


Run 5: Statistics of TCP Cubic

Start at: 2018-07-04 17:55:21
End at: 2018-07-04 17:55:51
Local clock offset: -0.085 ms
Remote clock offset: -0.378 ms

Below is generated by plot.py at 2018-07-04 20:47:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 263.55 Mbit/s
95th percentile per-packet one-way delay: 74.806 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 140.07 Mbit/s
95th percentile per-packet one-way delay: 74.961 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 183.92 Mbit/s
95th percentile per-packet one-way delay: 74.597 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 74.495 ms
Loss rate: 2.21%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-04 18:20:05

End at: 2018-07-04 18:20:35

Local clock offset: -0.151 ms

Remote clock offset: 1.21 ms

Below is generated by plot.py at 2018-07-04 20:47:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 166.08 Mbit/s

95th percentile per-packet one-way delay: 64.606 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 86.45 Mbit/s

95th percentile per-packet one-way delay: 64.983 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 117.47 Mbit/s

95th percentile per-packet one-way delay: 64.242 ms

Loss rate: 0.00%

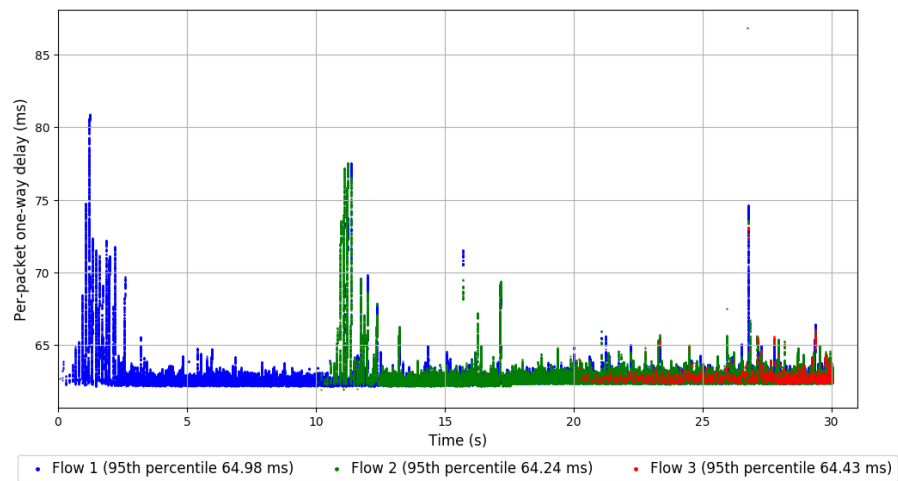
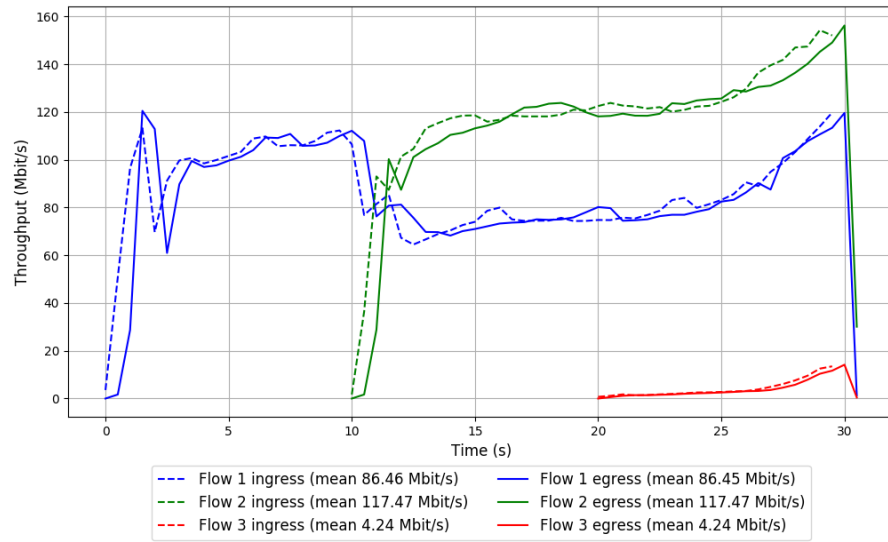
-- Flow 3:

Average throughput: 4.24 Mbit/s

95th percentile per-packet one-way delay: 64.432 ms

Loss rate: 0.14%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-04 18:44:38

End at: 2018-07-04 18:45:08

Local clock offset: -0.037 ms

Remote clock offset: 0.123 ms

Below is generated by plot.py at 2018-07-04 20:47:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 242.43 Mbit/s

95th percentile per-packet one-way delay: 80.713 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 179.52 Mbit/s

95th percentile per-packet one-way delay: 79.207 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.80 Mbit/s

95th percentile per-packet one-way delay: 81.272 ms

Loss rate: 0.96%

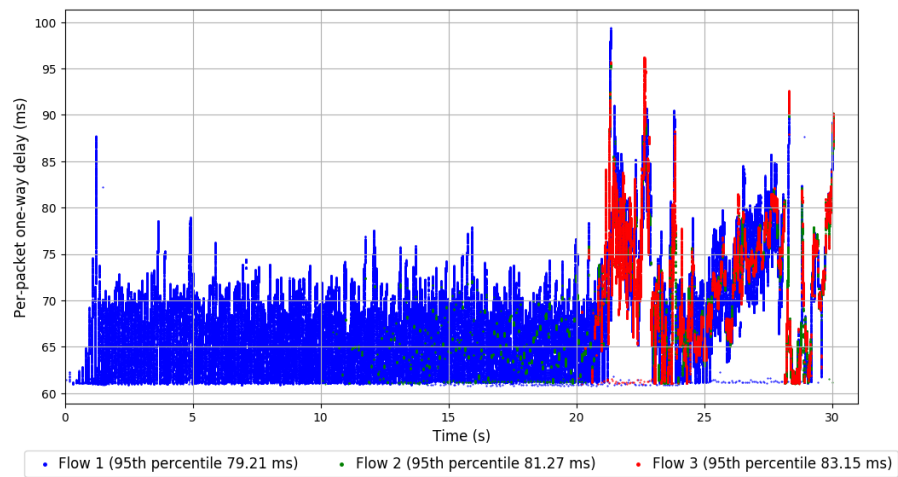
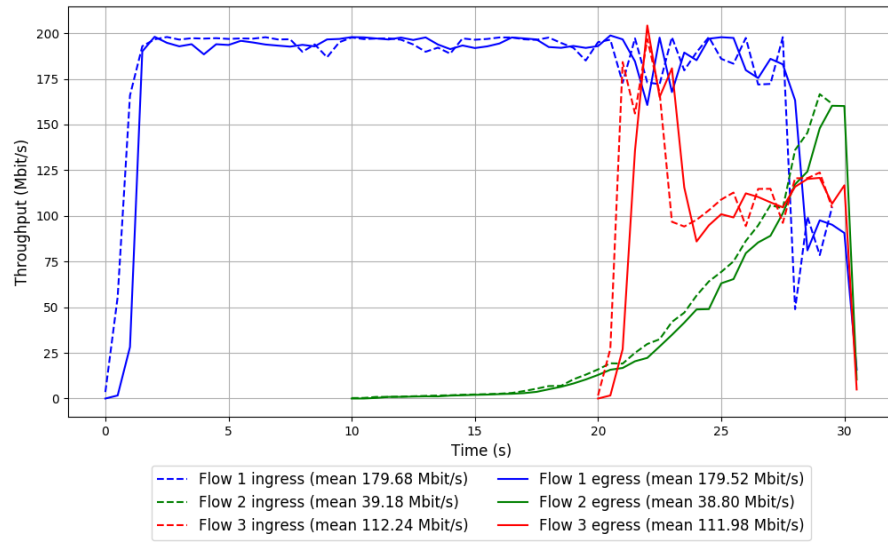
-- Flow 3:

Average throughput: 111.98 Mbit/s

95th percentile per-packet one-way delay: 83.151 ms

Loss rate: 0.25%

Run 7: Report of TCP Cubic — Data Link

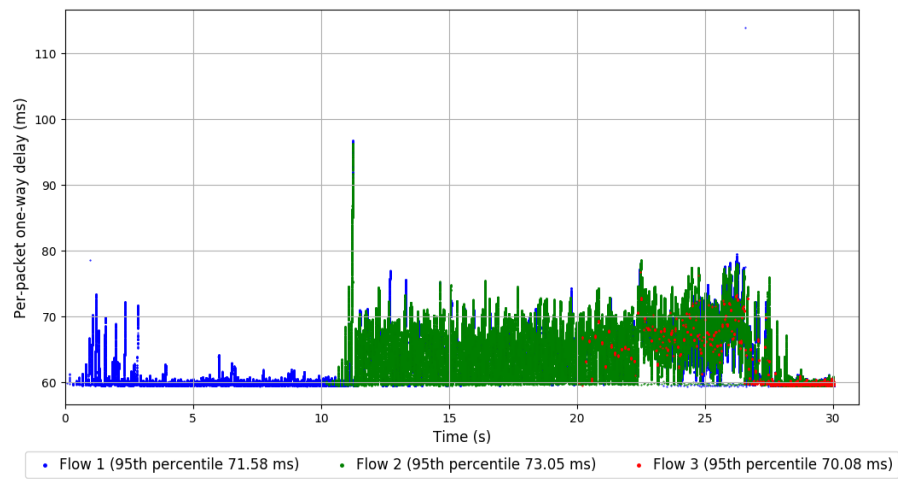
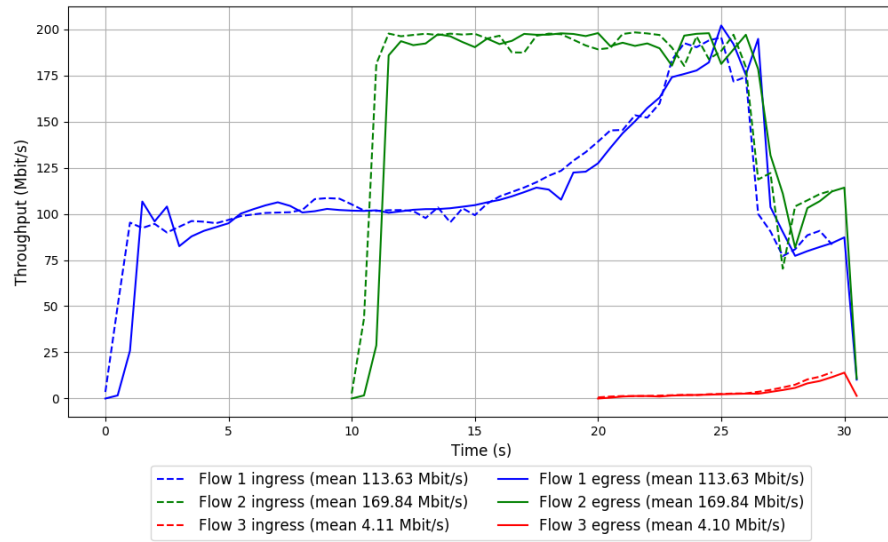


Run 8: Statistics of TCP Cubic

Start at: 2018-07-04 19:09:15
End at: 2018-07-04 19:09:45
Local clock offset: 0.06 ms
Remote clock offset: -1.309 ms

Below is generated by plot.py at 2018-07-04 20:47:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 228.00 Mbit/s
95th percentile per-packet one-way delay: 72.381 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 113.63 Mbit/s
95th percentile per-packet one-way delay: 71.579 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 169.84 Mbit/s
95th percentile per-packet one-way delay: 73.050 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 70.085 ms
Loss rate: 0.18%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-04 19:33:35

End at: 2018-07-04 19:34:05

Local clock offset: -0.024 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-04 20:48:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 251.88 Mbit/s

95th percentile per-packet one-way delay: 104.930 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 178.84 Mbit/s

95th percentile per-packet one-way delay: 101.846 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 34.30 Mbit/s

95th percentile per-packet one-way delay: 106.181 ms

Loss rate: 1.19%

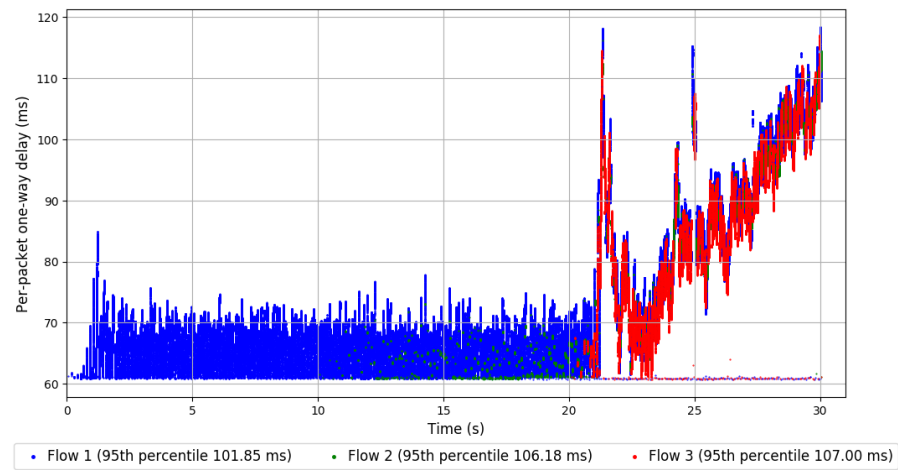
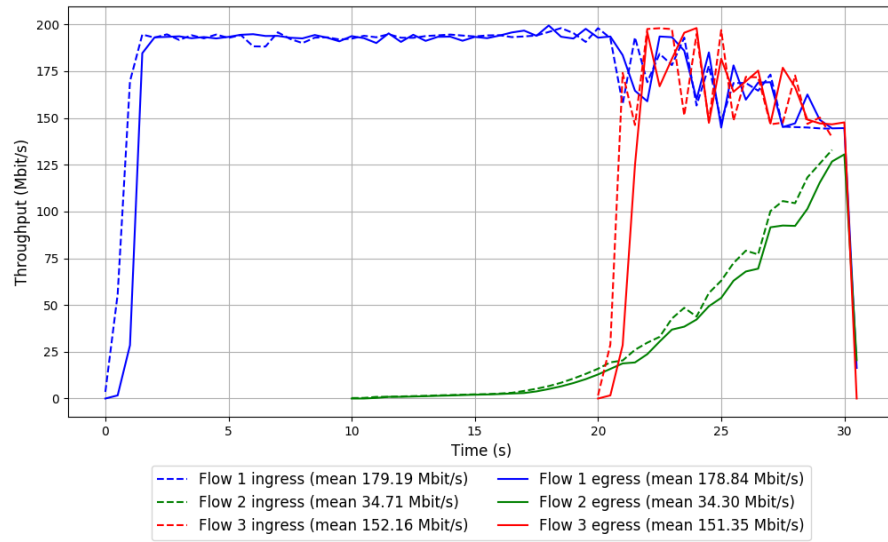
-- Flow 3:

Average throughput: 151.35 Mbit/s

95th percentile per-packet one-way delay: 106.998 ms

Loss rate: 0.64%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-04 19:57:57

End at: 2018-07-04 19:58:27

Local clock offset: -0.091 ms

Remote clock offset: 0.196 ms

Below is generated by plot.py at 2018-07-04 20:48:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 197.52 Mbit/s

95th percentile per-packet one-way delay: 75.280 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 115.73 Mbit/s

95th percentile per-packet one-way delay: 75.587 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 120.69 Mbit/s

95th percentile per-packet one-way delay: 75.067 ms

Loss rate: 0.00%

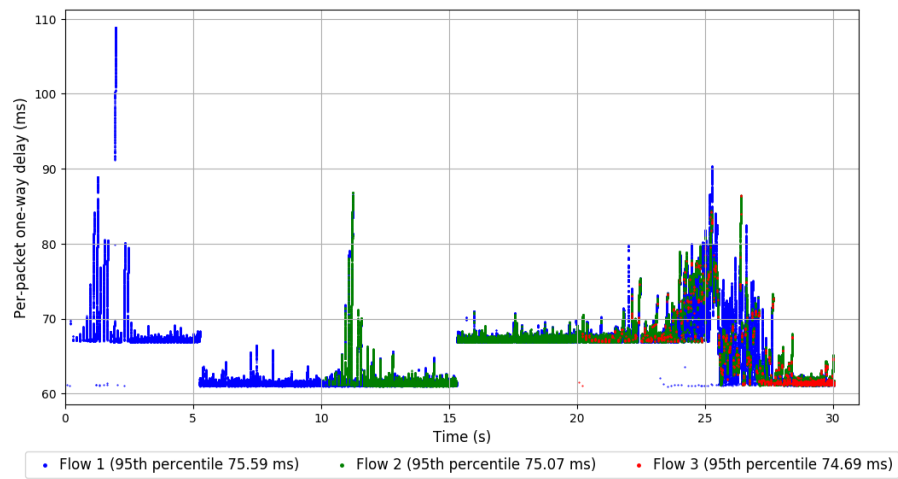
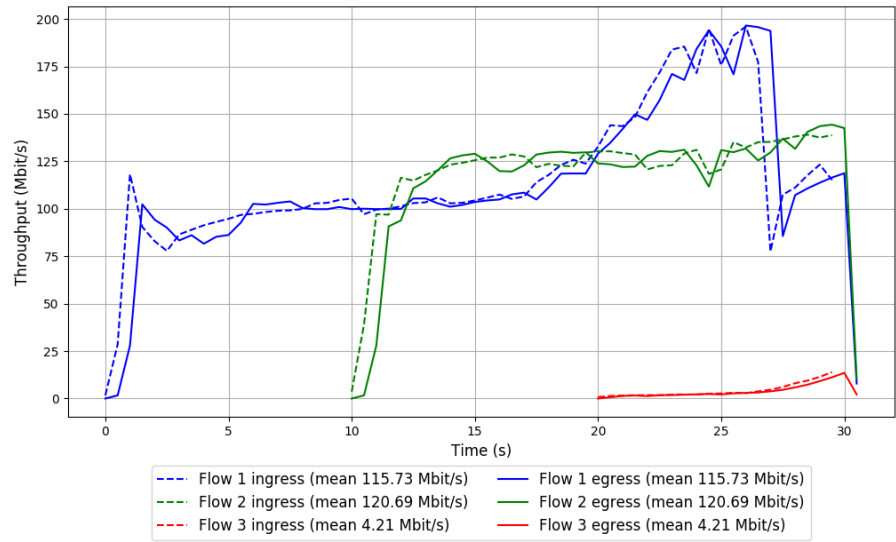
-- Flow 3:

Average throughput: 4.21 Mbit/s

95th percentile per-packet one-way delay: 74.691 ms

Loss rate: 0.06%

Run 10: Report of TCP Cubic — Data Link

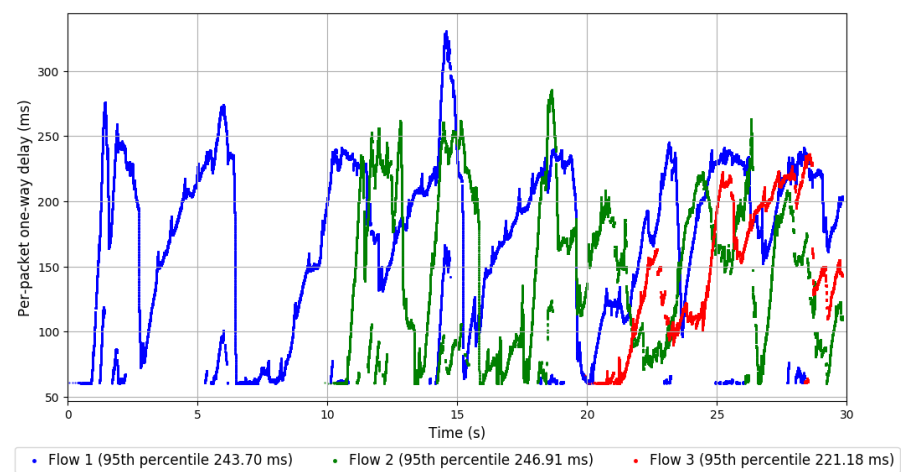
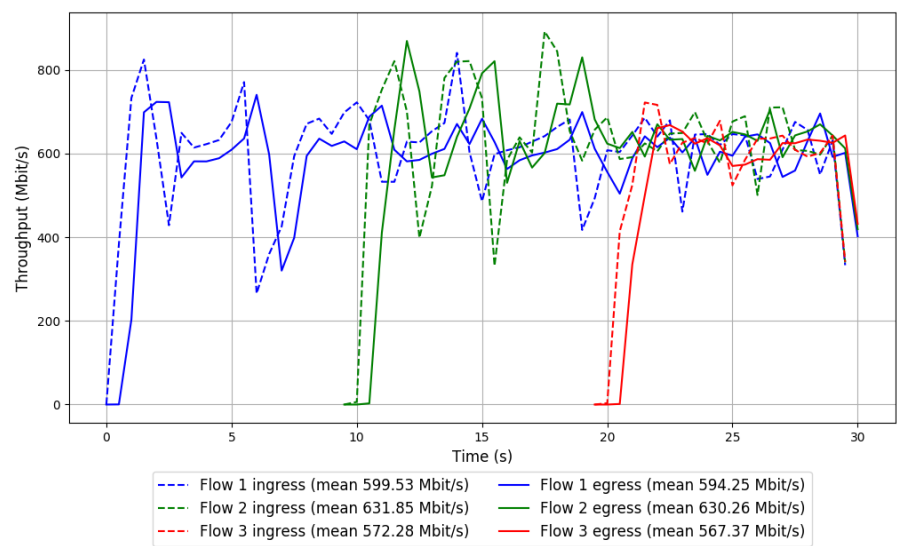


Run 1: Statistics of FillP

Start at: 2018-07-04 16:18:39
End at: 2018-07-04 16:19:09
Local clock offset: -0.229 ms
Remote clock offset: -0.376 ms

Below is generated by plot.py at 2018-07-04 21:13:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 1204.71 Mbit/s
95th percentile per-packet one-way delay: 242.836 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 594.25 Mbit/s
95th percentile per-packet one-way delay: 243.701 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 630.26 Mbit/s
95th percentile per-packet one-way delay: 246.915 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 567.37 Mbit/s
95th percentile per-packet one-way delay: 221.178 ms
Loss rate: 0.92%

Run 1: Report of FillP — Data Link

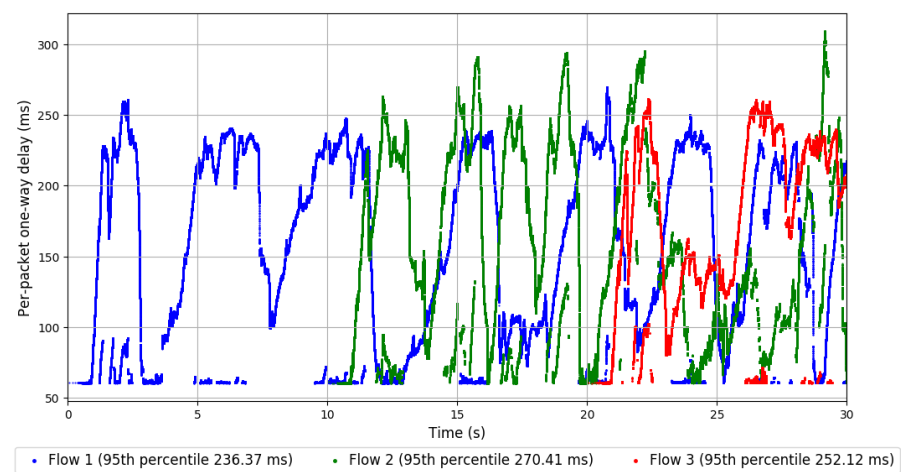
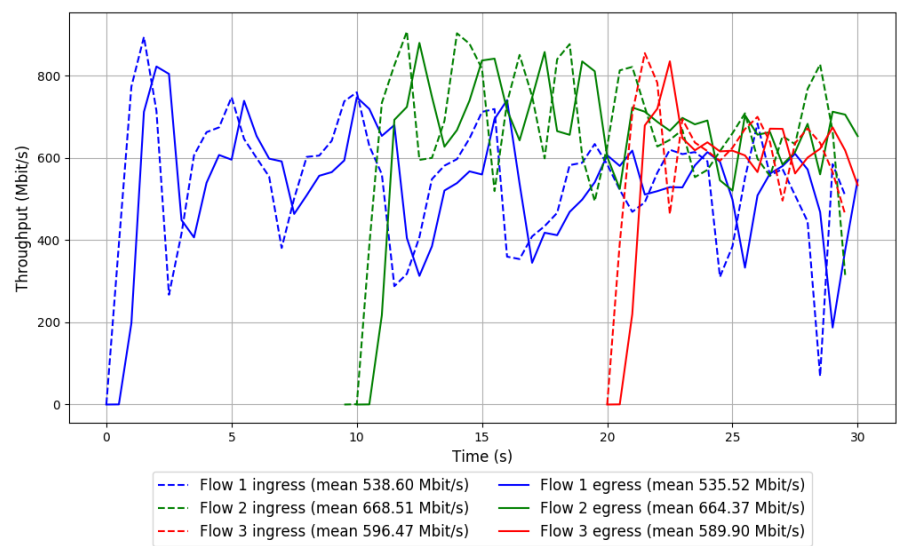


Run 2: Statistics of FillP

Start at: 2018-07-04 16:43:03
End at: 2018-07-04 16:43:33
Local clock offset: -0.156 ms
Remote clock offset: -0.297 ms

Below is generated by plot.py at 2018-07-04 21:13:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 1173.54 Mbit/s
95th percentile per-packet one-way delay: 251.915 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 535.52 Mbit/s
95th percentile per-packet one-way delay: 236.368 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 664.37 Mbit/s
95th percentile per-packet one-way delay: 270.408 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 589.90 Mbit/s
95th percentile per-packet one-way delay: 252.123 ms
Loss rate: 1.08%

Run 2: Report of FillP — Data Link

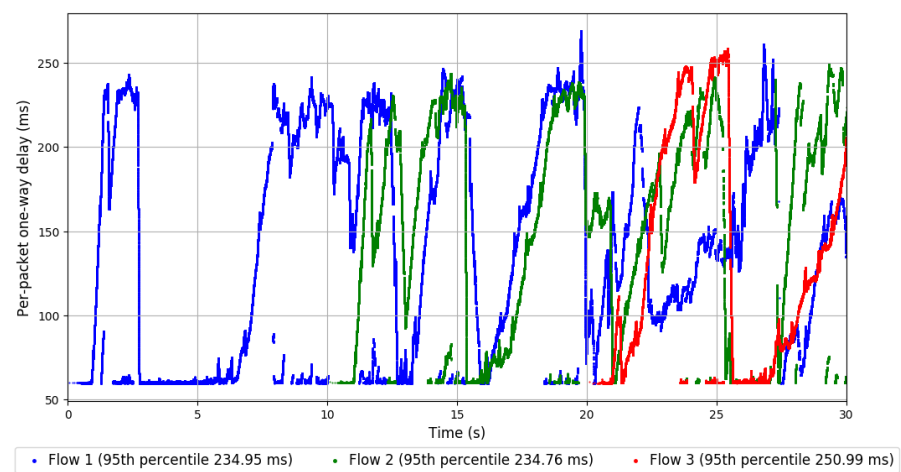
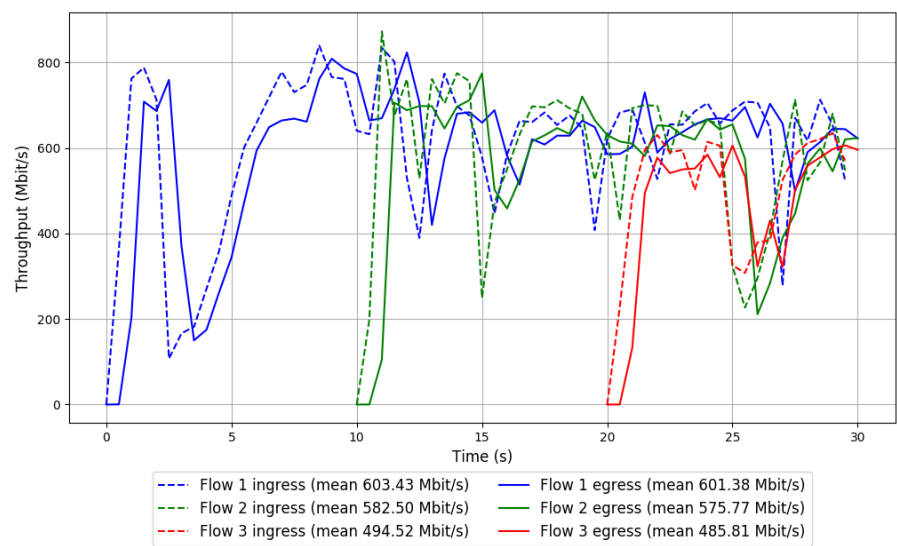


Run 3: Statistics of FillP

Start at: 2018-07-04 17:07:51
End at: 2018-07-04 17:08:21
Local clock offset: -0.1 ms
Remote clock offset: -1.076 ms

Below is generated by plot.py at 2018-07-04 21:13:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 1145.02 Mbit/s
95th percentile per-packet one-way delay: 236.728 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 601.38 Mbit/s
95th percentile per-packet one-way delay: 234.953 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 575.77 Mbit/s
95th percentile per-packet one-way delay: 234.763 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 485.81 Mbit/s
95th percentile per-packet one-way delay: 250.990 ms
Loss rate: 1.77%

Run 3: Report of FillP — Data Link

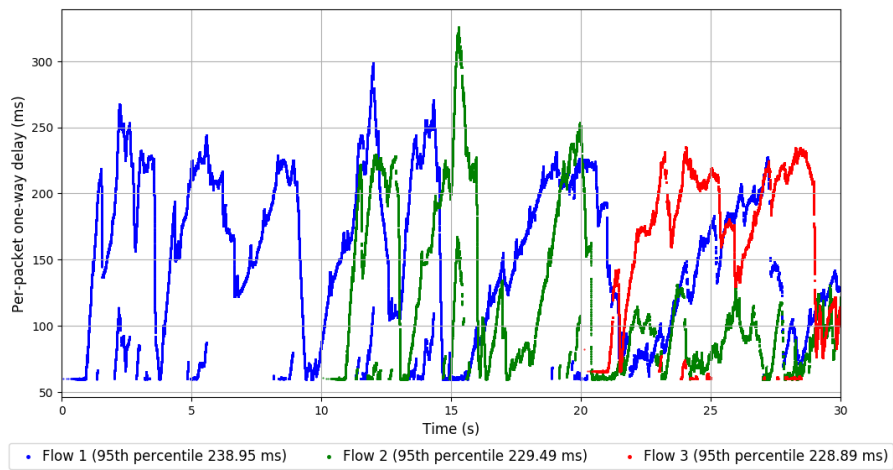
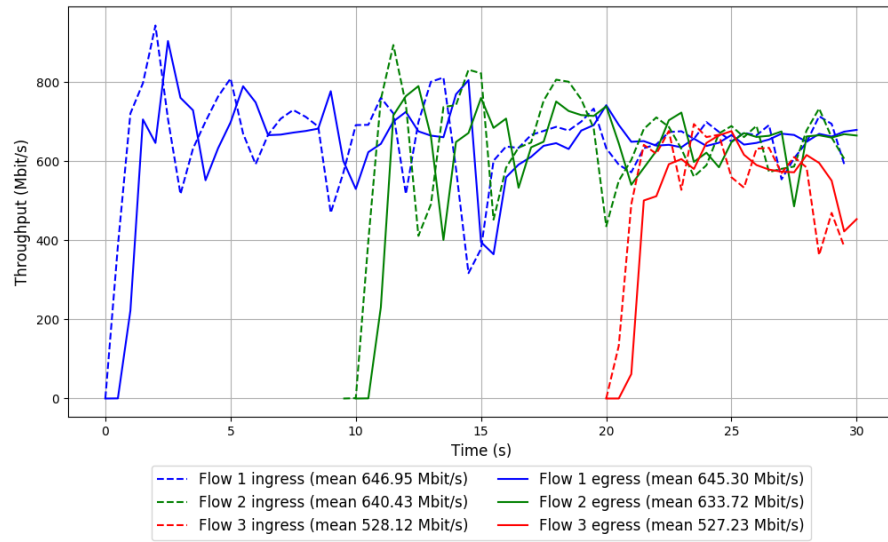


Run 4: Statistics of FillP

Start at: 2018-07-04 17:32:19
End at: 2018-07-04 17:32:49
Local clock offset: -0.102 ms
Remote clock offset: -1.326 ms

Below is generated by plot.py at 2018-07-04 21:17:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 1241.45 Mbit/s
95th percentile per-packet one-way delay: 231.837 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 645.30 Mbit/s
95th percentile per-packet one-way delay: 238.947 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 633.72 Mbit/s
95th percentile per-packet one-way delay: 229.489 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 527.23 Mbit/s
95th percentile per-packet one-way delay: 228.891 ms
Loss rate: 0.39%

Run 4: Report of FillP — Data Link

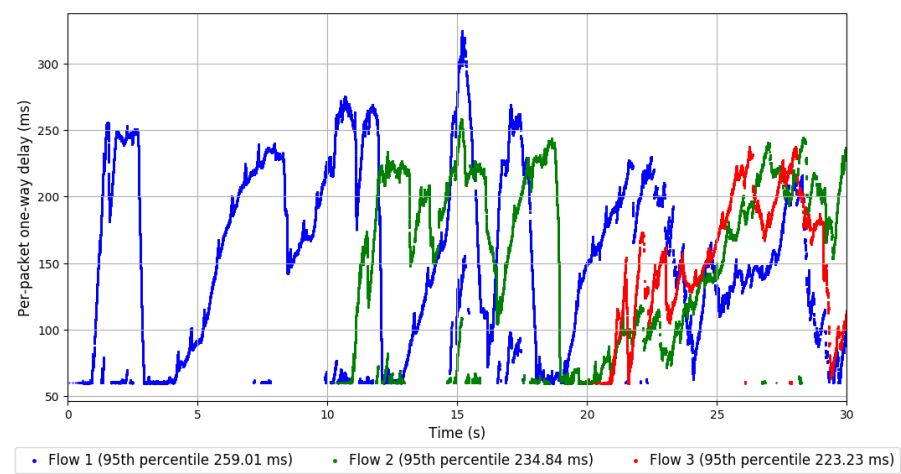
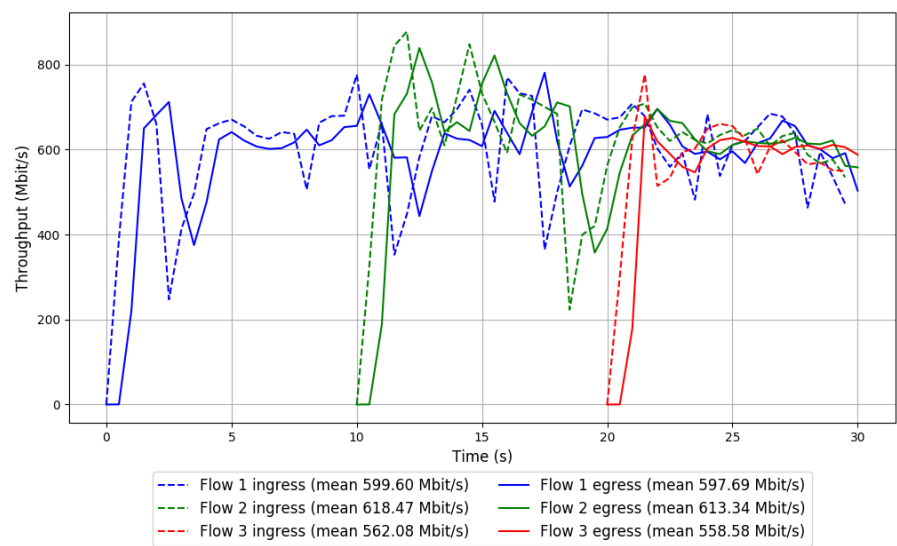


Run 5: Statistics of FillP

Start at: 2018-07-04 17:56:44
End at: 2018-07-04 17:57:14
Local clock offset: -0.108 ms
Remote clock offset: -1.274 ms

Below is generated by plot.py at 2018-07-04 21:17:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 1190.86 Mbit/s
95th percentile per-packet one-way delay: 247.142 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 597.69 Mbit/s
95th percentile per-packet one-way delay: 259.015 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 613.34 Mbit/s
95th percentile per-packet one-way delay: 234.835 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 558.58 Mbit/s
95th percentile per-packet one-way delay: 223.232 ms
Loss rate: 0.62%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-04 18:21:23

End at: 2018-07-04 18:21:53

Local clock offset: -0.174 ms

Remote clock offset: -1.24 ms

Below is generated by plot.py at 2018-07-04 21:17:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 1169.13 Mbit/s

95th percentile per-packet one-way delay: 251.230 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 617.89 Mbit/s

95th percentile per-packet one-way delay: 256.632 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 535.65 Mbit/s

95th percentile per-packet one-way delay: 248.338 ms

Loss rate: 0.00%

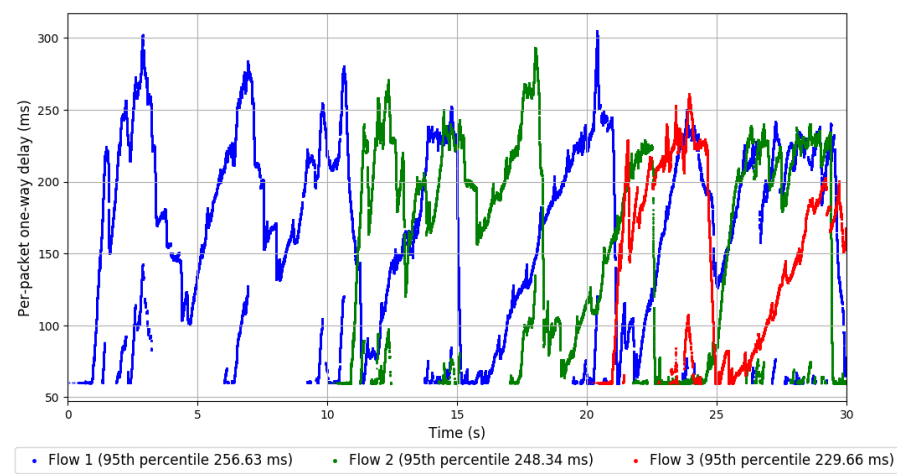
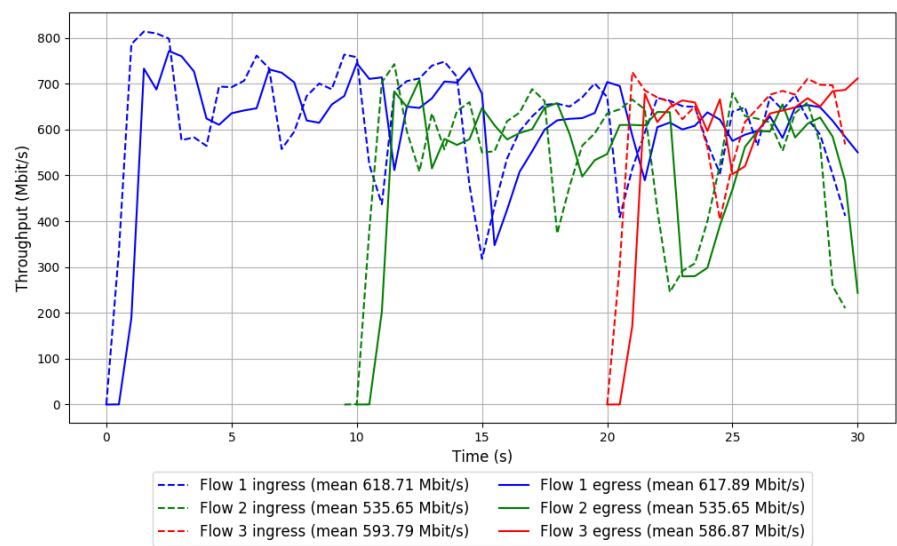
-- Flow 3:

Average throughput: 586.87 Mbit/s

95th percentile per-packet one-way delay: 229.656 ms

Loss rate: 1.17%

Run 6: Report of FillP — Data Link

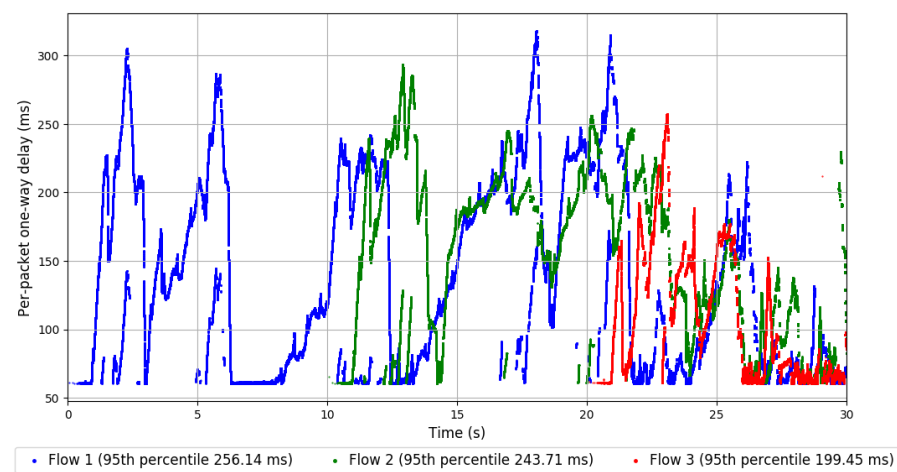
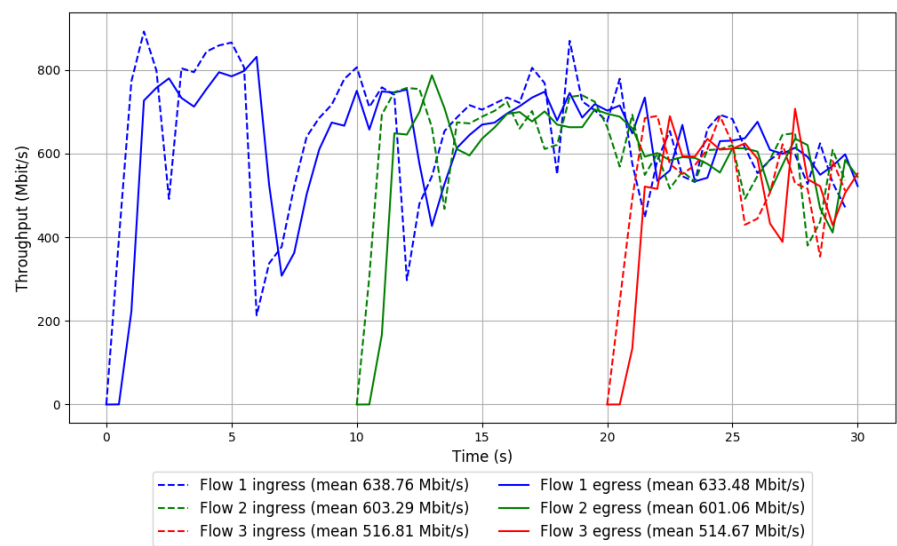


Run 7: Statistics of FillP

Start at: 2018-07-04 18:46:01
End at: 2018-07-04 18:46:31
Local clock offset: -0.033 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-04 21:17:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 1203.73 Mbit/s
95th percentile per-packet one-way delay: 244.754 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 633.48 Mbit/s
95th percentile per-packet one-way delay: 256.144 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 601.06 Mbit/s
95th percentile per-packet one-way delay: 243.706 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 514.67 Mbit/s
95th percentile per-packet one-way delay: 199.447 ms
Loss rate: 0.40%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-04 19:10:37

End at: 2018-07-04 19:11:07

Local clock offset: 0.003 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2018-07-04 21:18:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 1220.07 Mbit/s

95th percentile per-packet one-way delay: 252.972 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 610.35 Mbit/s

95th percentile per-packet one-way delay: 251.270 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 616.68 Mbit/s

95th percentile per-packet one-way delay: 262.638 ms

Loss rate: 2.02%

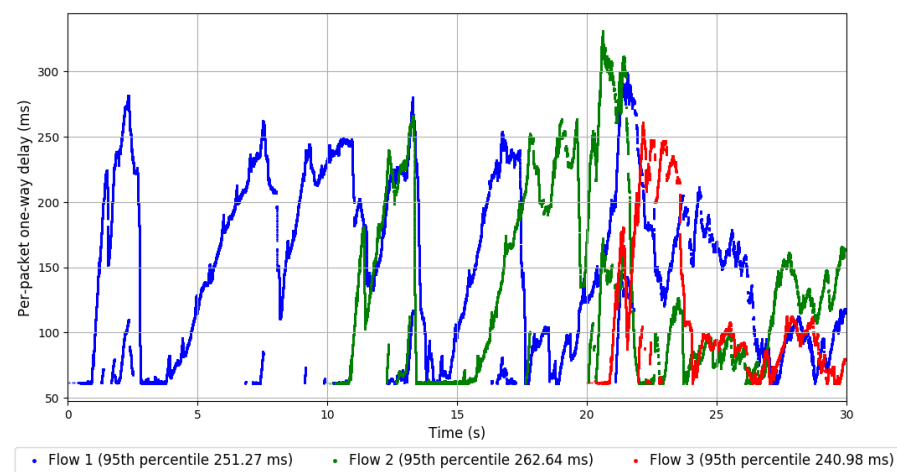
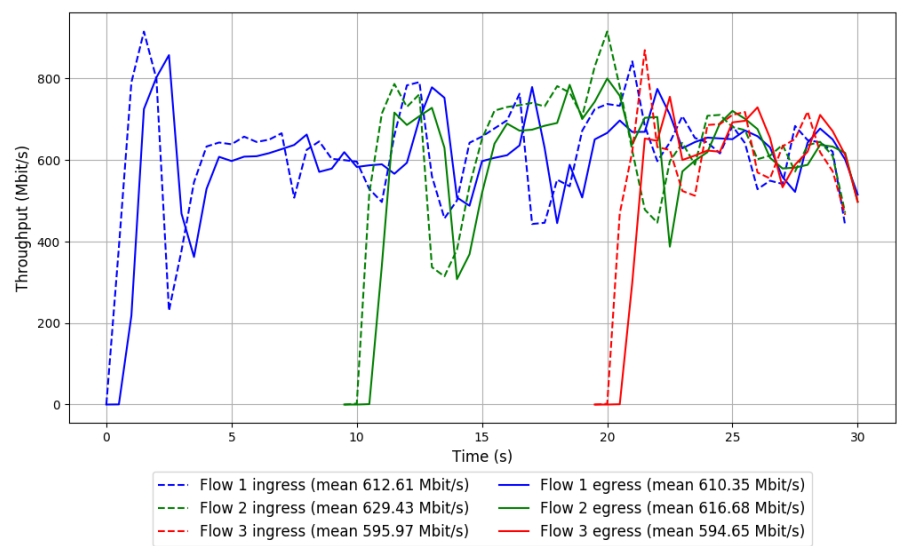
-- Flow 3:

Average throughput: 594.65 Mbit/s

95th percentile per-packet one-way delay: 240.980 ms

Loss rate: 0.22%

Run 8: Report of FillP — Data Link

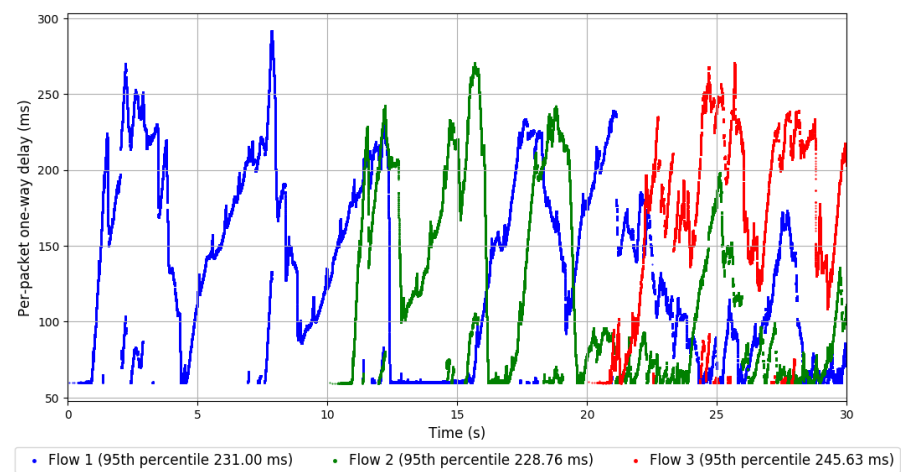
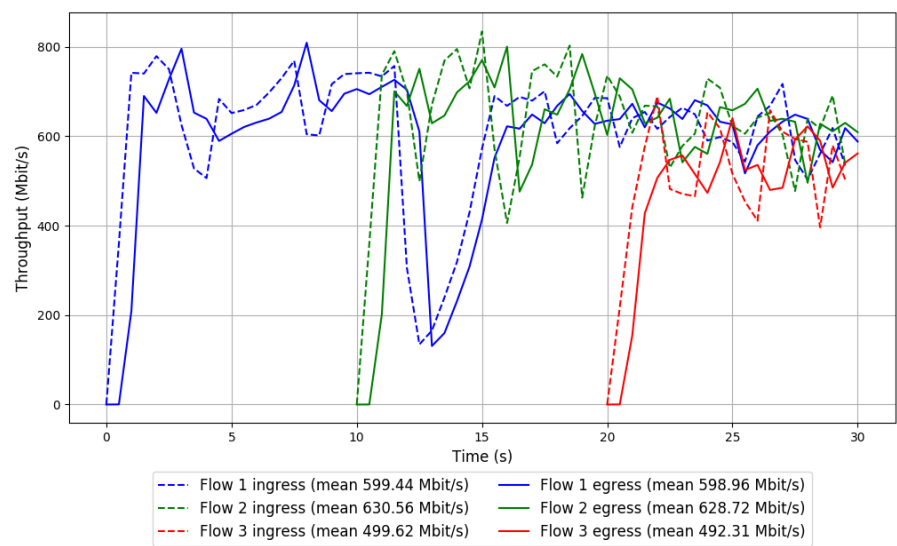


Run 9: Statistics of FillP

Start at: 2018-07-04 19:34:57
End at: 2018-07-04 19:35:27
Local clock offset: -0.009 ms
Remote clock offset: -1.164 ms

Below is generated by plot.py at 2018-07-04 21:41:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 1180.73 Mbit/s
95th percentile per-packet one-way delay: 234.430 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 598.96 Mbit/s
95th percentile per-packet one-way delay: 231.004 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 628.72 Mbit/s
95th percentile per-packet one-way delay: 228.758 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 492.31 Mbit/s
95th percentile per-packet one-way delay: 245.634 ms
Loss rate: 1.46%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-04 19:59:17

End at: 2018-07-04 19:59:47

Local clock offset: -0.092 ms

Remote clock offset: 0.105 ms

Below is generated by plot.py at 2018-07-04 21:41:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 1206.88 Mbit/s

95th percentile per-packet one-way delay: 238.675 ms

Loss rate: 1.35%

-- Flow 1:

Average throughput: 628.55 Mbit/s

95th percentile per-packet one-way delay: 230.319 ms

Loss rate: 1.34%

-- Flow 2:

Average throughput: 579.52 Mbit/s

95th percentile per-packet one-way delay: 244.091 ms

Loss rate: 1.76%

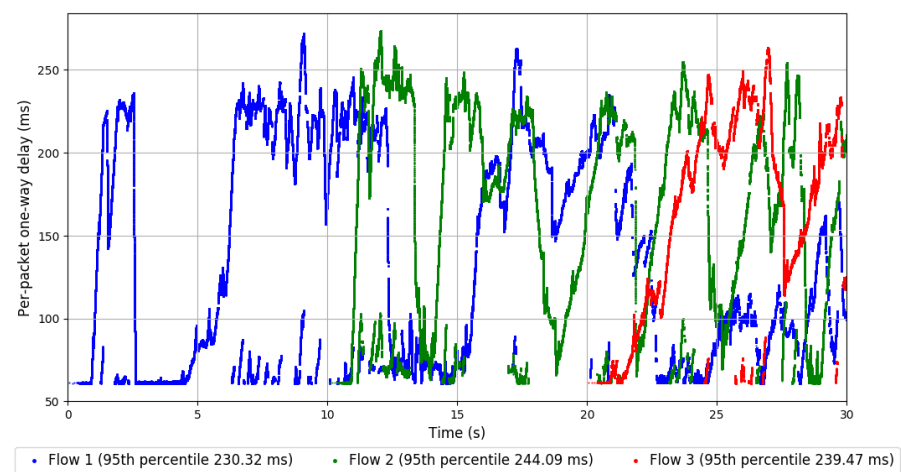
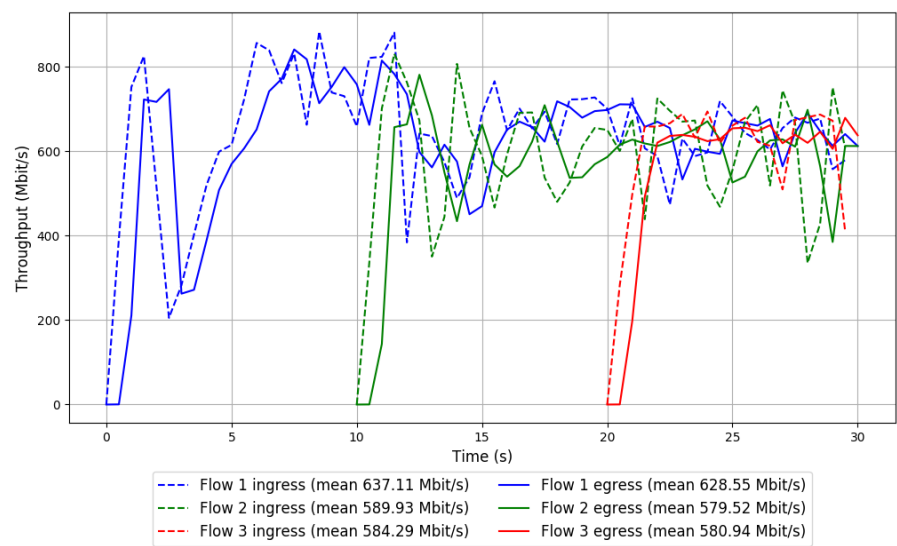
-- Flow 3:

Average throughput: 580.94 Mbit/s

95th percentile per-packet one-way delay: 239.468 ms

Loss rate: 0.58%

Run 10: Report of FillP — Data Link

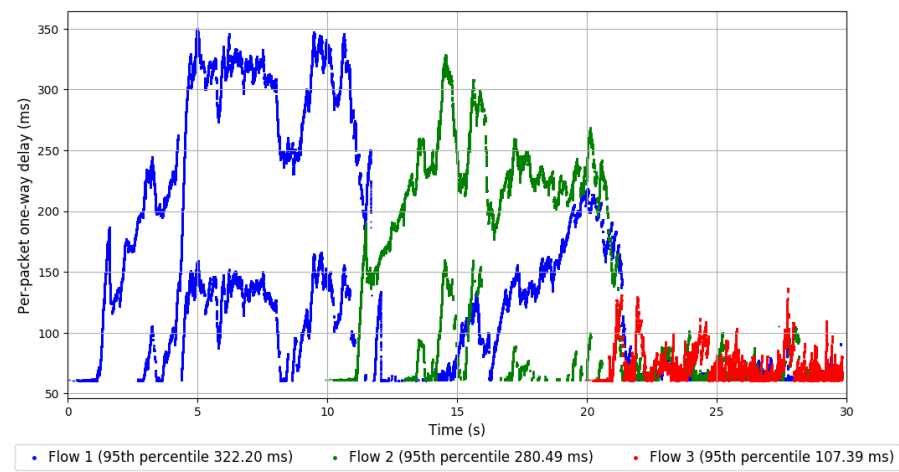
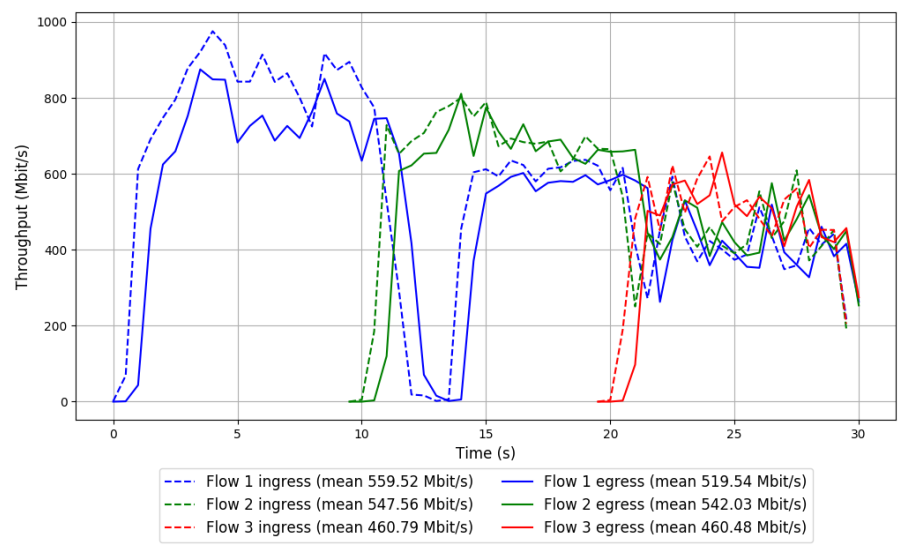


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-04 16:07:38
End at: 2018-07-04 16:08:08
Local clock offset: -0.192 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-04 21:41:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 1034.71 Mbit/s
95th percentile per-packet one-way delay: 314.087 ms
Loss rate: 4.07%
-- Flow 1:
Average throughput: 519.54 Mbit/s
95th percentile per-packet one-way delay: 322.196 ms
Loss rate: 7.20%
-- Flow 2:
Average throughput: 542.03 Mbit/s
95th percentile per-packet one-way delay: 280.487 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 460.48 Mbit/s
95th percentile per-packet one-way delay: 107.391 ms
Loss rate: 0.00%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-04 16:31:53

End at: 2018-07-04 16:32:23

Local clock offset: -0.244 ms

Remote clock offset: 0.17 ms

Below is generated by plot.py at 2018-07-04 21:44:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 1181.39 Mbit/s

95th percentile per-packet one-way delay: 241.771 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 634.41 Mbit/s

95th percentile per-packet one-way delay: 244.942 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 580.08 Mbit/s

95th percentile per-packet one-way delay: 231.820 ms

Loss rate: 0.00%

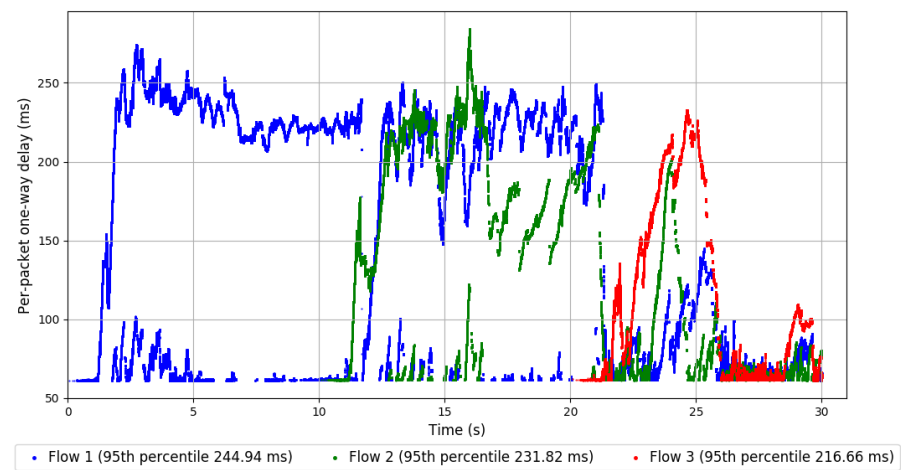
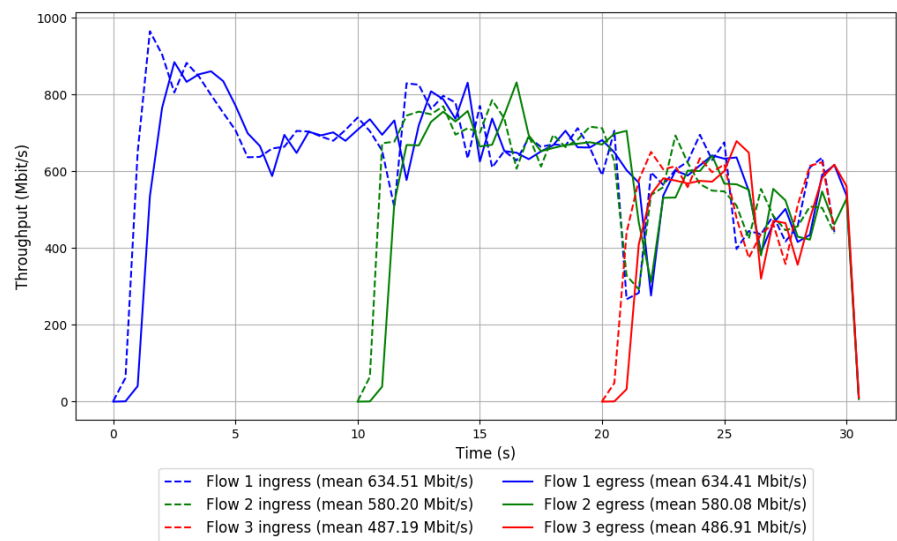
-- Flow 3:

Average throughput: 486.91 Mbit/s

95th percentile per-packet one-way delay: 216.664 ms

Loss rate: 0.06%

Run 2: Report of FillP-Sheep — Data Link

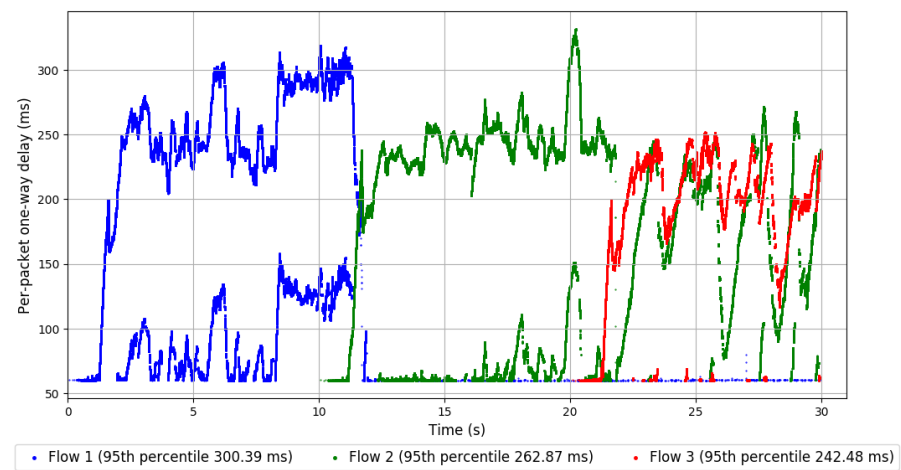
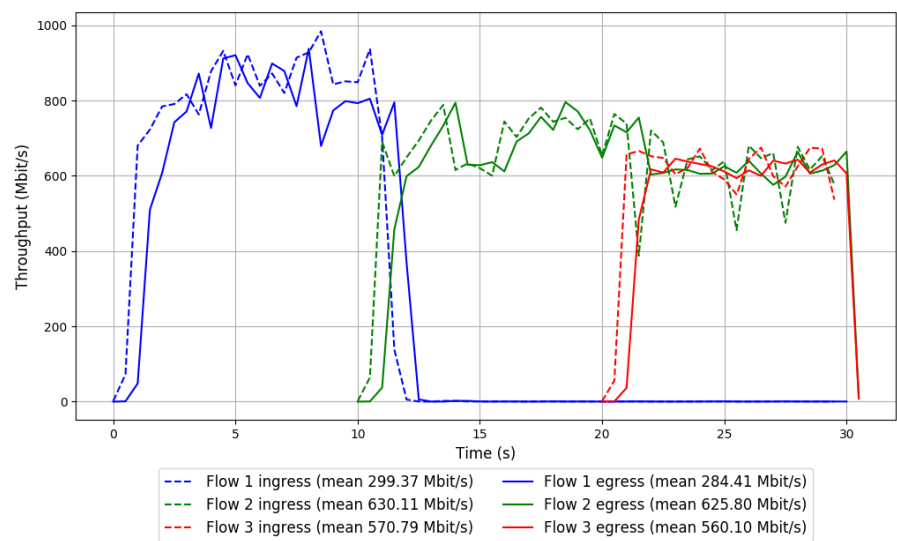


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-04 16:56:47
End at: 2018-07-04 16:57:17
Local clock offset: -0.128 ms
Remote clock offset: -1.129 ms

Below is generated by plot.py at 2018-07-04 21:44:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 886.13 Mbit/s
95th percentile per-packet one-way delay: 292.063 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 284.41 Mbit/s
95th percentile per-packet one-way delay: 300.395 ms
Loss rate: 5.00%
-- Flow 2:
Average throughput: 625.80 Mbit/s
95th percentile per-packet one-way delay: 262.872 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 560.10 Mbit/s
95th percentile per-packet one-way delay: 242.477 ms
Loss rate: 1.85%

Run 3: Report of FillP-Sheep — Data Link

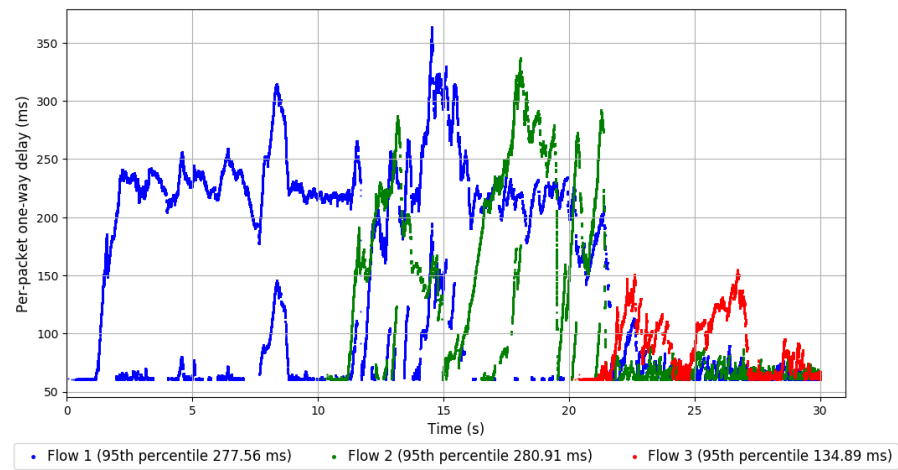
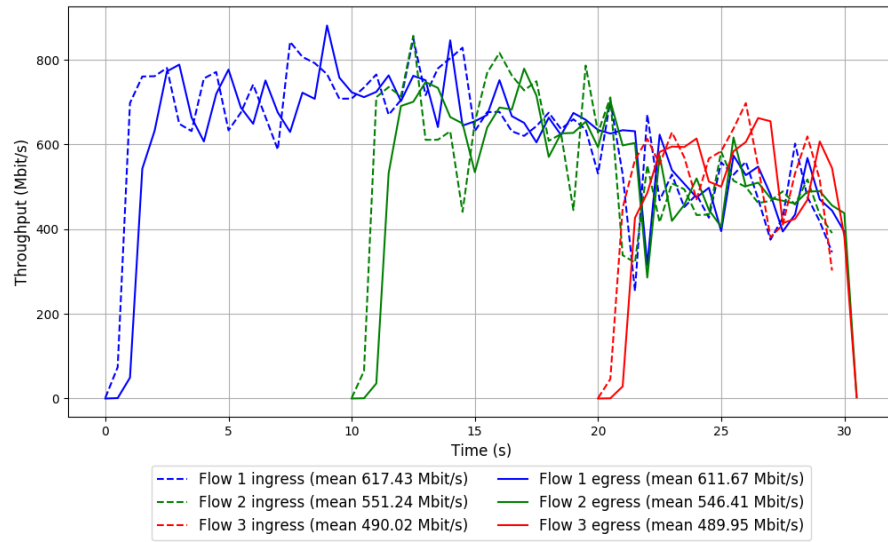


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-04 17:21:18
End at: 2018-07-04 17:21:48
Local clock offset: -0.11 ms
Remote clock offset: -0.227 ms

Below is generated by plot.py at 2018-07-04 21:44:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 1137.22 Mbit/s
95th percentile per-packet one-way delay: 272.825 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 611.67 Mbit/s
95th percentile per-packet one-way delay: 277.562 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 546.41 Mbit/s
95th percentile per-packet one-way delay: 280.911 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 489.95 Mbit/s
95th percentile per-packet one-way delay: 134.888 ms
Loss rate: 0.01%

Run 4: Report of FillP-Sheep — Data Link

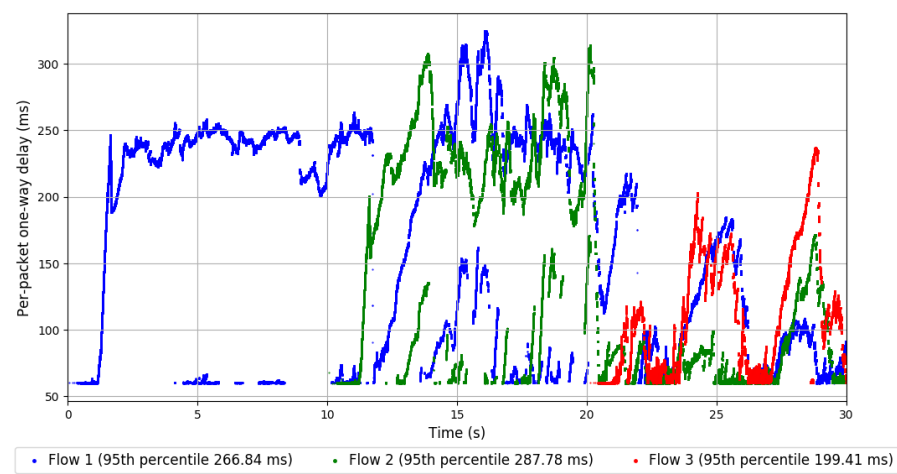
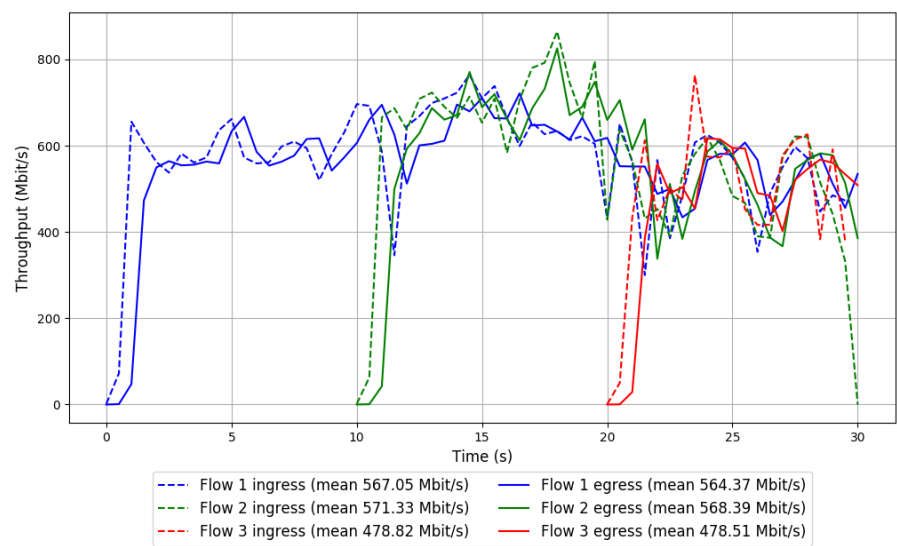


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-04 17:45:45
End at: 2018-07-04 17:46:15
Local clock offset: -0.168 ms
Remote clock offset: -1.383 ms

Below is generated by plot.py at 2018-07-04 21:44:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 1100.07 Mbit/s
95th percentile per-packet one-way delay: 274.237 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 564.37 Mbit/s
95th percentile per-packet one-way delay: 266.839 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 568.39 Mbit/s
95th percentile per-packet one-way delay: 287.780 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 478.51 Mbit/s
95th percentile per-packet one-way delay: 199.414 ms
Loss rate: 0.07%

Run 5: Report of FillP-Sheep — Data Link

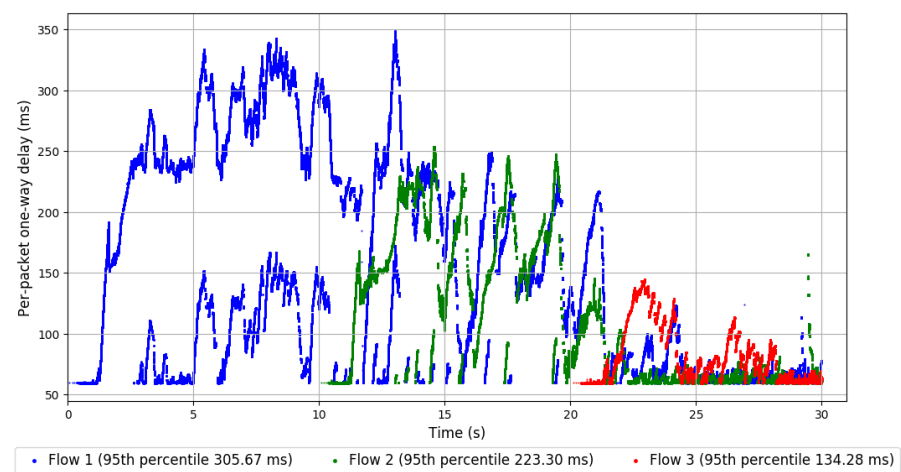
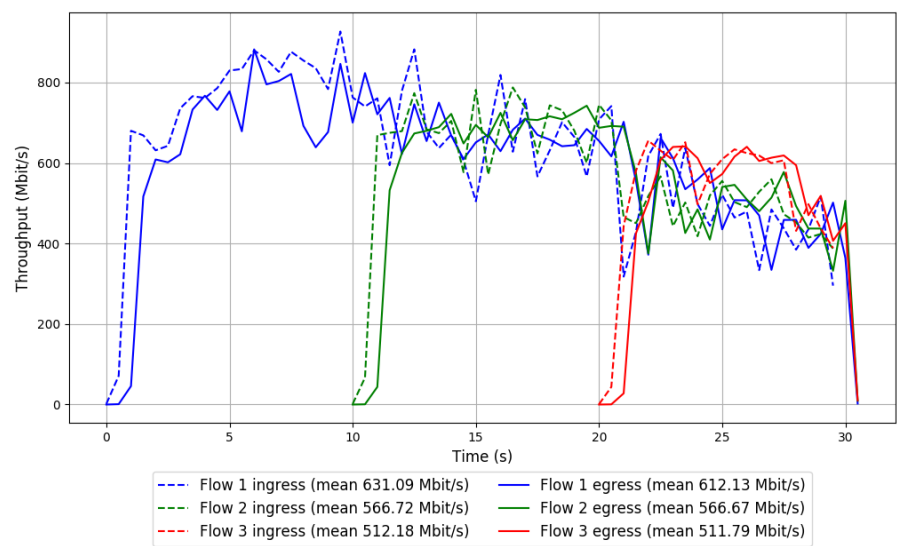


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-04 18:10:20
End at: 2018-07-04 18:10:50
Local clock offset: -0.167 ms
Remote clock offset: -1.489 ms

Below is generated by plot.py at 2018-07-04 21:46:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 1158.11 Mbit/s
95th percentile per-packet one-way delay: 290.977 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 612.13 Mbit/s
95th percentile per-packet one-way delay: 305.674 ms
Loss rate: 2.99%
-- Flow 2:
Average throughput: 566.67 Mbit/s
95th percentile per-packet one-way delay: 223.299 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 511.79 Mbit/s
95th percentile per-packet one-way delay: 134.284 ms
Loss rate: 0.07%

Run 6: Report of FillP-Sheep — Data Link

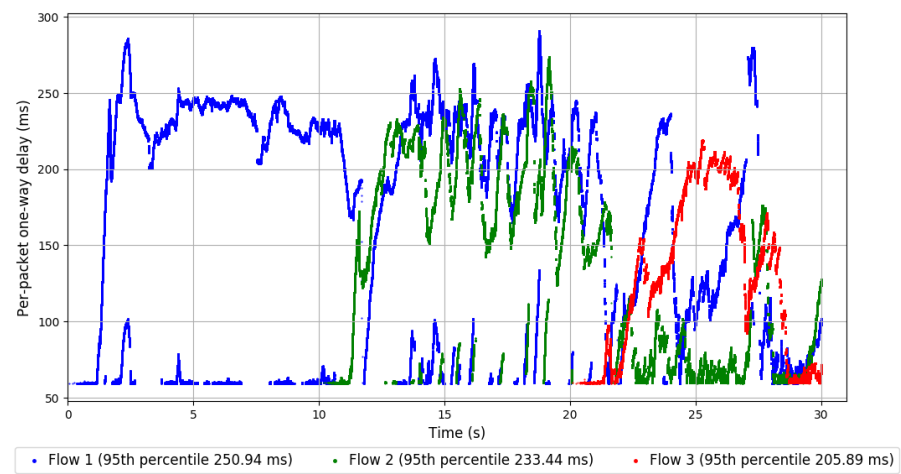
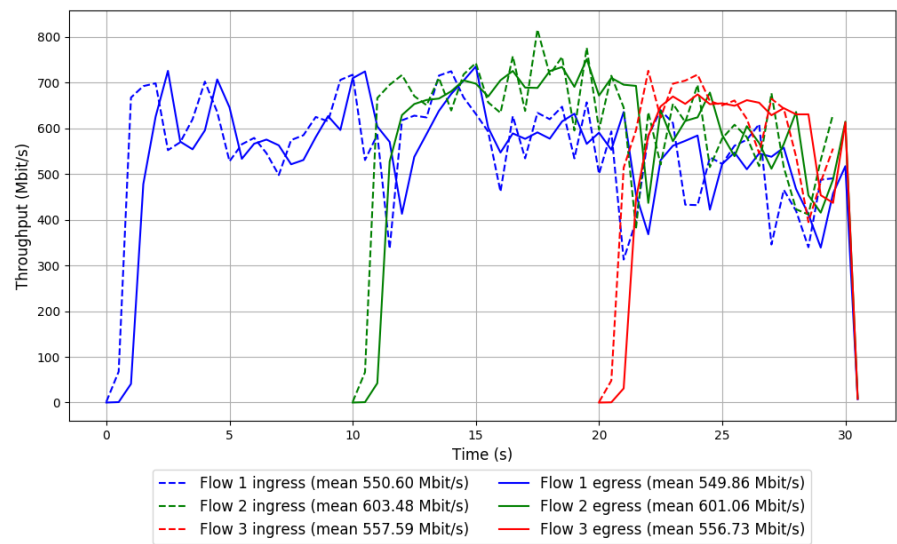


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-04 18:34:53
End at: 2018-07-04 18:35:23
Local clock offset: -0.096 ms
Remote clock offset: -1.427 ms

Below is generated by plot.py at 2018-07-04 22:06:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 1134.25 Mbit/s
95th percentile per-packet one-way delay: 245.546 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 549.86 Mbit/s
95th percentile per-packet one-way delay: 250.938 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 601.06 Mbit/s
95th percentile per-packet one-way delay: 233.435 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 556.73 Mbit/s
95th percentile per-packet one-way delay: 205.886 ms
Loss rate: 0.16%

Run 7: Report of FillP-Sheep — Data Link

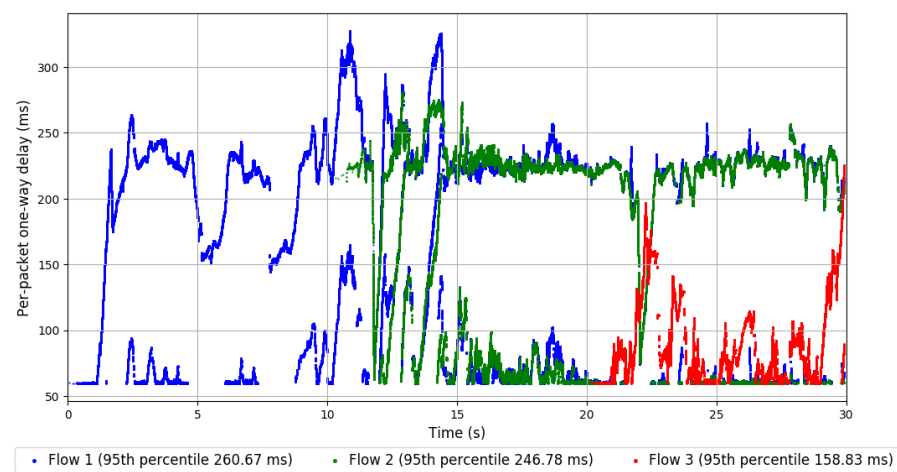
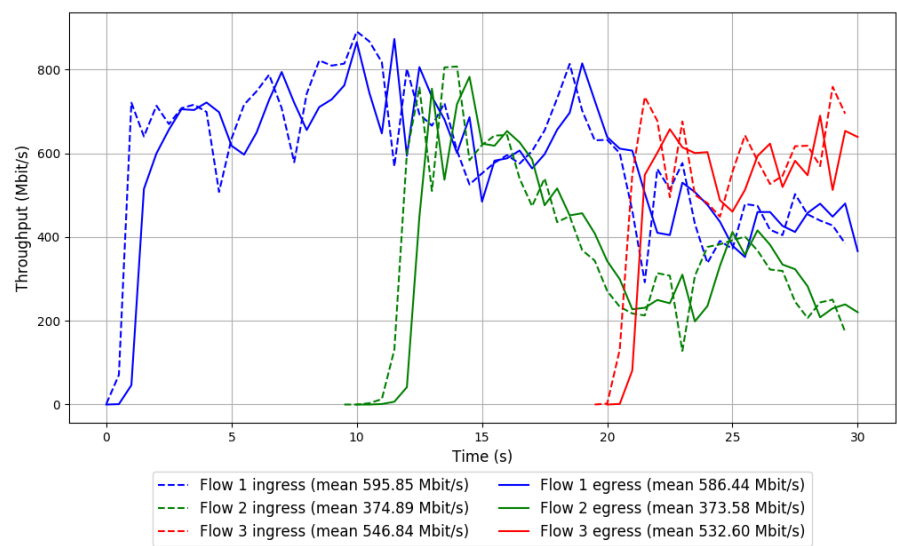


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-04 18:59:38
End at: 2018-07-04 19:00:08
Local clock offset: -0.001 ms
Remote clock offset: -1.071 ms

Below is generated by plot.py at 2018-07-04 22:06:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 1010.30 Mbit/s
95th percentile per-packet one-way delay: 252.037 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 586.44 Mbit/s
95th percentile per-packet one-way delay: 260.670 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 373.58 Mbit/s
95th percentile per-packet one-way delay: 246.777 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 532.60 Mbit/s
95th percentile per-packet one-way delay: 158.830 ms
Loss rate: 2.57%

Run 8: Report of FillP-Sheep — Data Link

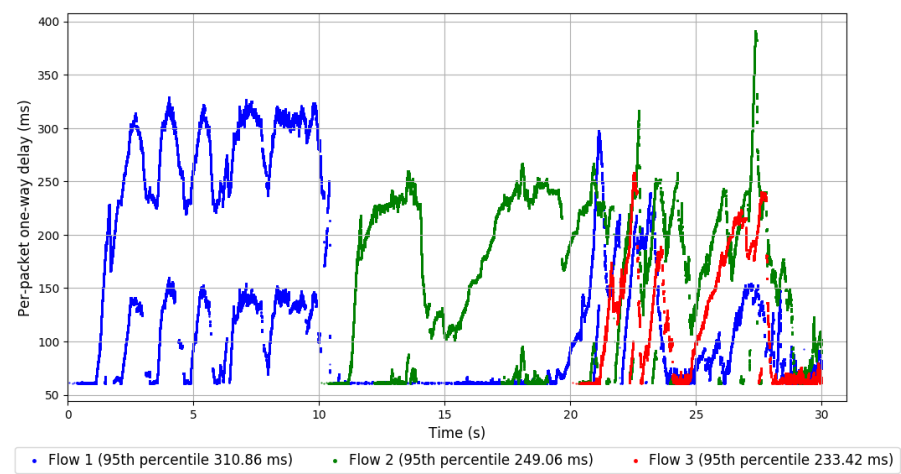
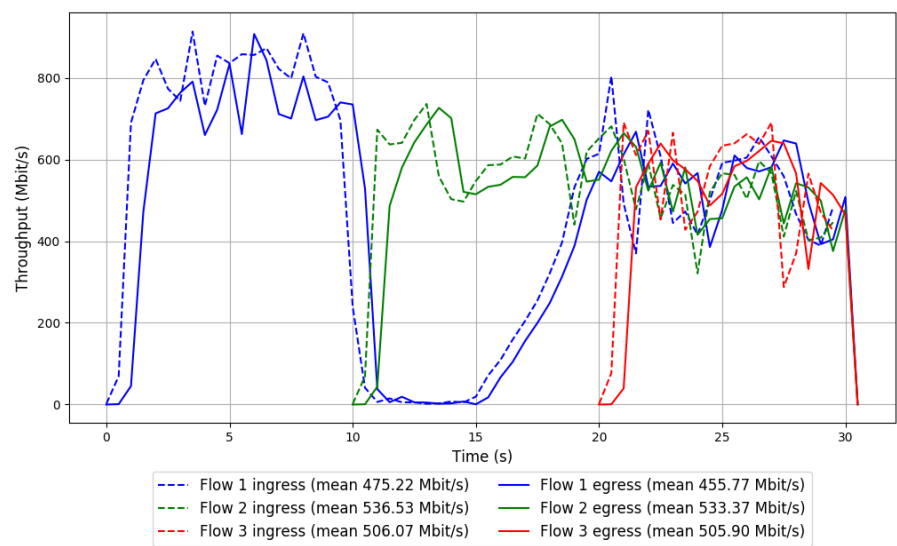


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-04 19:23:49
End at: 2018-07-04 19:24:19
Local clock offset: 0.033 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-04 22:06:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 978.14 Mbit/s
95th percentile per-packet one-way delay: 304.845 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 455.77 Mbit/s
95th percentile per-packet one-way delay: 310.862 ms
Loss rate: 4.09%
-- Flow 2:
Average throughput: 533.37 Mbit/s
95th percentile per-packet one-way delay: 249.059 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 505.90 Mbit/s
95th percentile per-packet one-way delay: 233.417 ms
Loss rate: 0.02%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-04 19:48:22

End at: 2018-07-04 19:48:52

Local clock offset: -0.094 ms

Remote clock offset: 0.191 ms

Below is generated by plot.py at 2018-07-04 22:09:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 1099.97 Mbit/s

95th percentile per-packet one-way delay: 287.167 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 605.57 Mbit/s

95th percentile per-packet one-way delay: 297.417 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 495.44 Mbit/s

95th percentile per-packet one-way delay: 247.922 ms

Loss rate: 0.98%

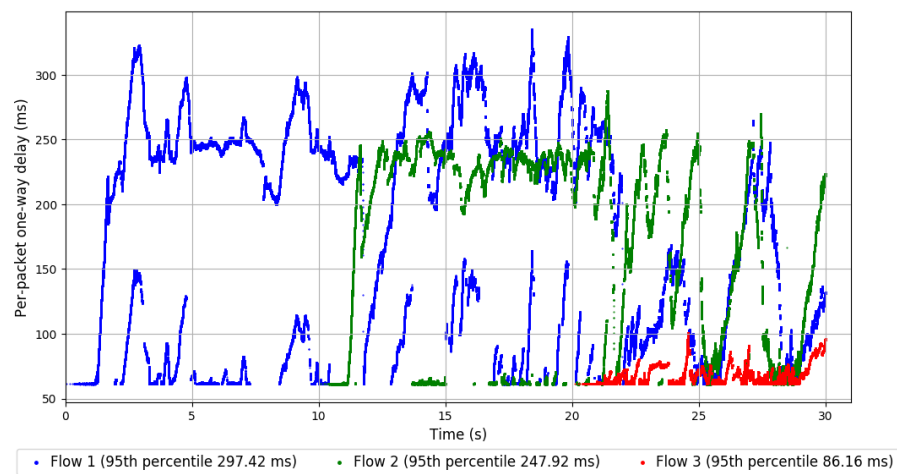
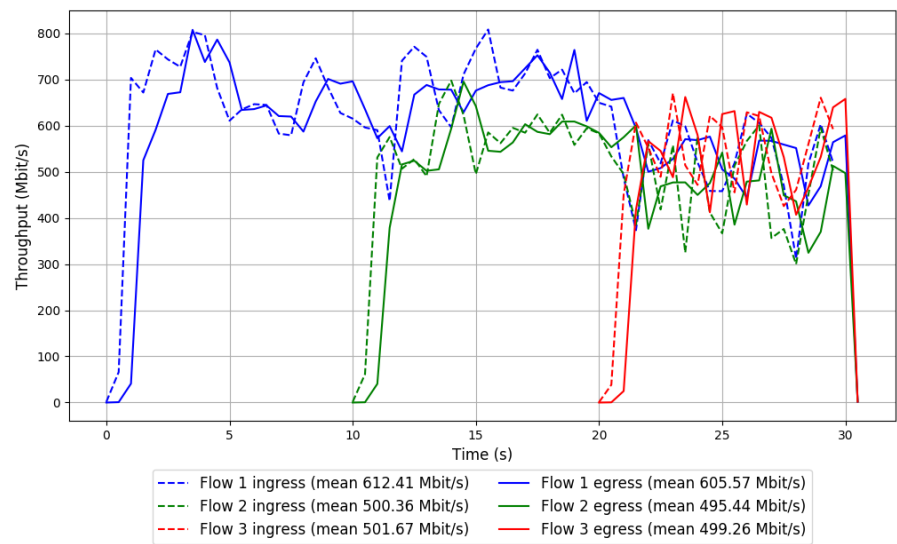
-- Flow 3:

Average throughput: 499.26 Mbit/s

95th percentile per-packet one-way delay: 86.162 ms

Loss rate: 0.48%

Run 10: Report of FillP-Sheep — Data Link

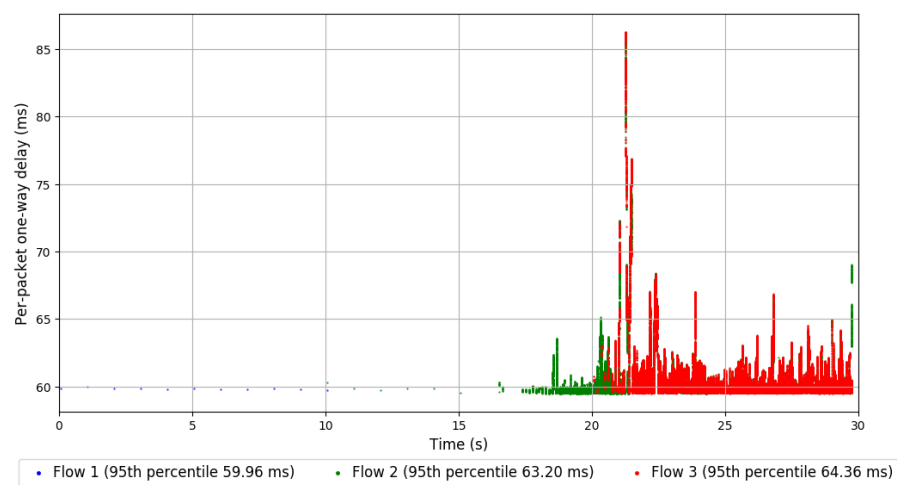
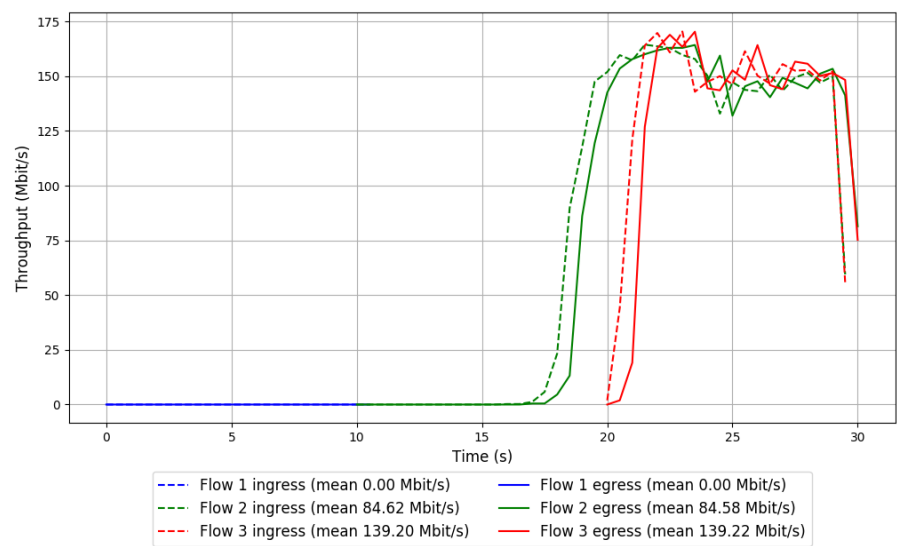


Run 1: Statistics of Indigo

Start at: 2018-07-04 16:24:38
End at: 2018-07-04 16:25:08
Local clock offset: -0.25 ms
Remote clock offset: -1.325 ms

Below is generated by plot.py at 2018-07-04 22:09:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 101.45 Mbit/s
95th percentile per-packet one-way delay: 63.636 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 59.957 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 84.58 Mbit/s
95th percentile per-packet one-way delay: 63.200 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 139.22 Mbit/s
95th percentile per-packet one-way delay: 64.357 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

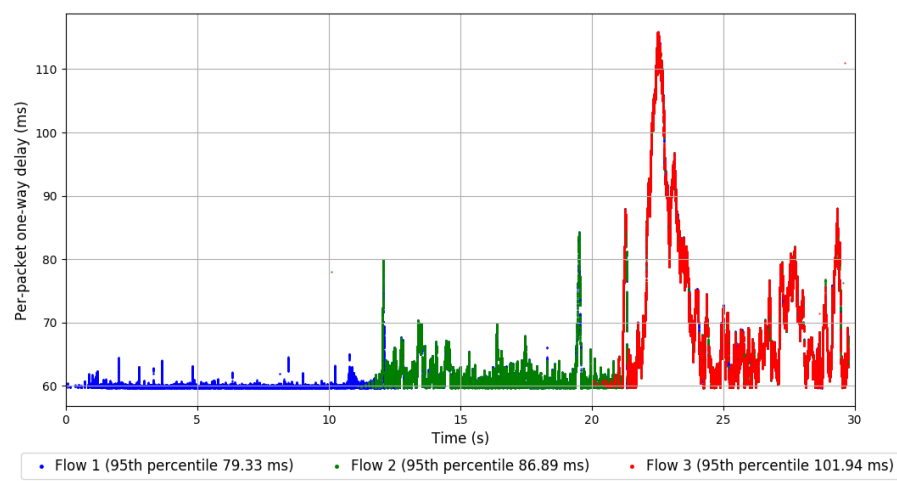
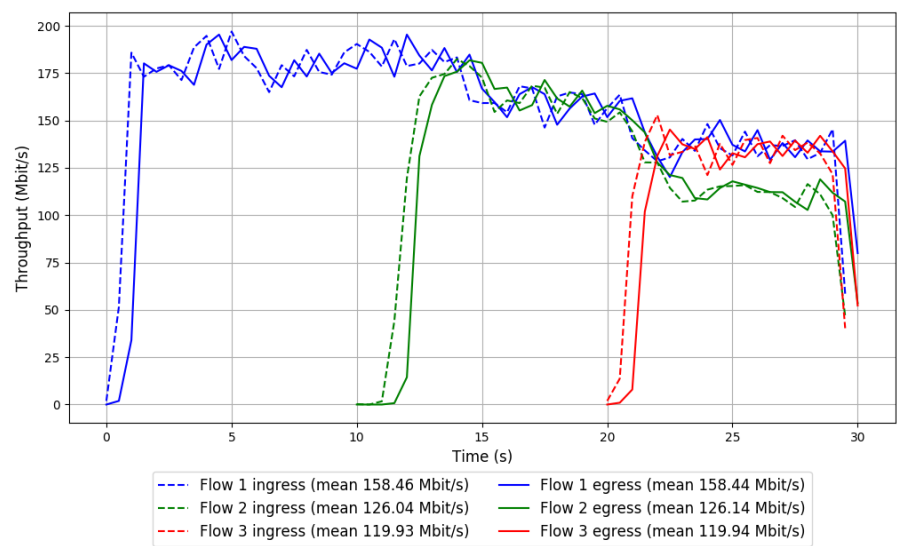


Run 2: Statistics of Indigo

Start at: 2018-07-04 16:49:00
End at: 2018-07-04 16:49:30
Local clock offset: -0.107 ms
Remote clock offset: -1.144 ms

Below is generated by plot.py at 2018-07-04 22:09:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 280.95 Mbit/s
95th percentile per-packet one-way delay: 86.242 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 158.44 Mbit/s
95th percentile per-packet one-way delay: 79.329 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 126.14 Mbit/s
95th percentile per-packet one-way delay: 86.887 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 119.94 Mbit/s
95th percentile per-packet one-way delay: 101.944 ms
Loss rate: 0.02%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-04 17:13:49

End at: 2018-07-04 17:14:19

Local clock offset: -0.097 ms

Remote clock offset: -0.42 ms

Below is generated by plot.py at 2018-07-04 22:09:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 269.31 Mbit/s

95th percentile per-packet one-way delay: 73.042 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 148.23 Mbit/s

95th percentile per-packet one-way delay: 67.918 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 130.67 Mbit/s

95th percentile per-packet one-way delay: 73.083 ms

Loss rate: 0.00%

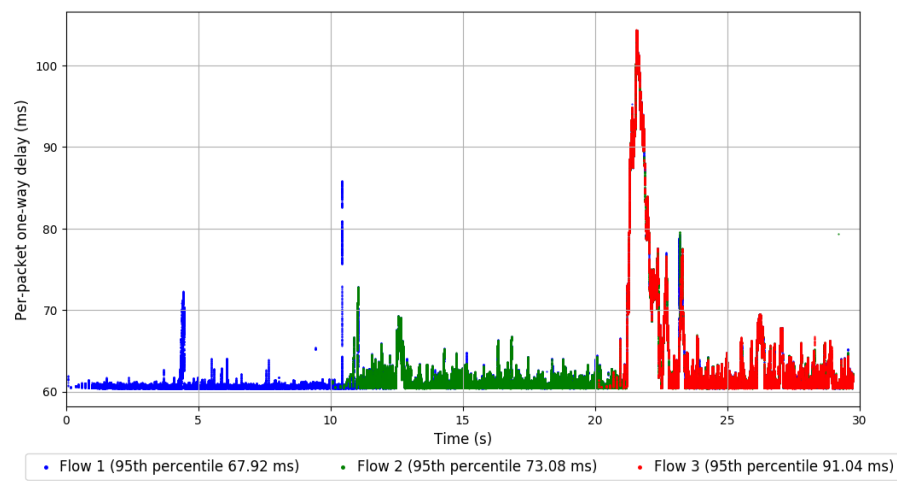
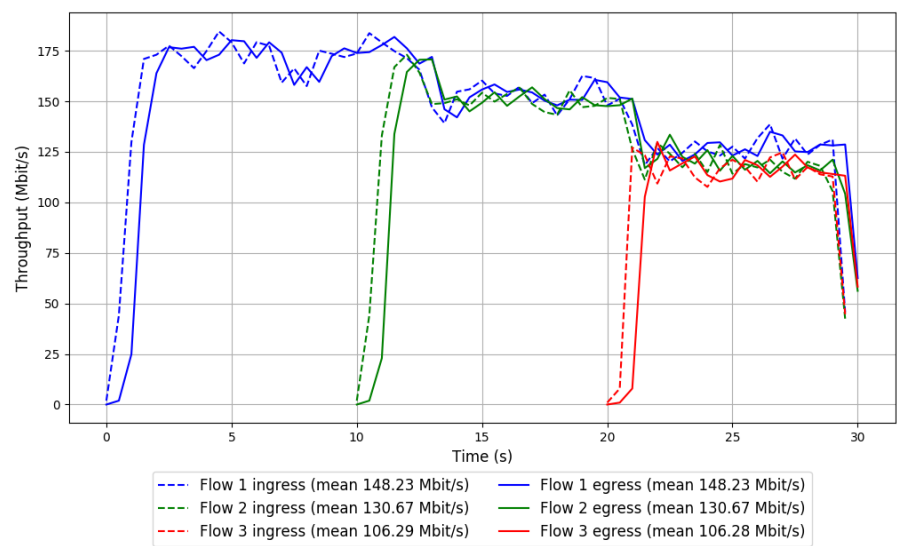
-- Flow 3:

Average throughput: 106.28 Mbit/s

95th percentile per-packet one-way delay: 91.041 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

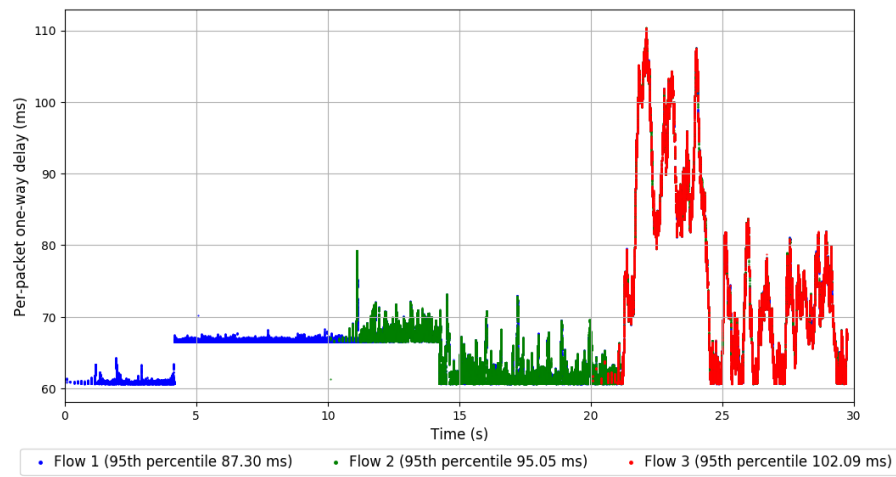
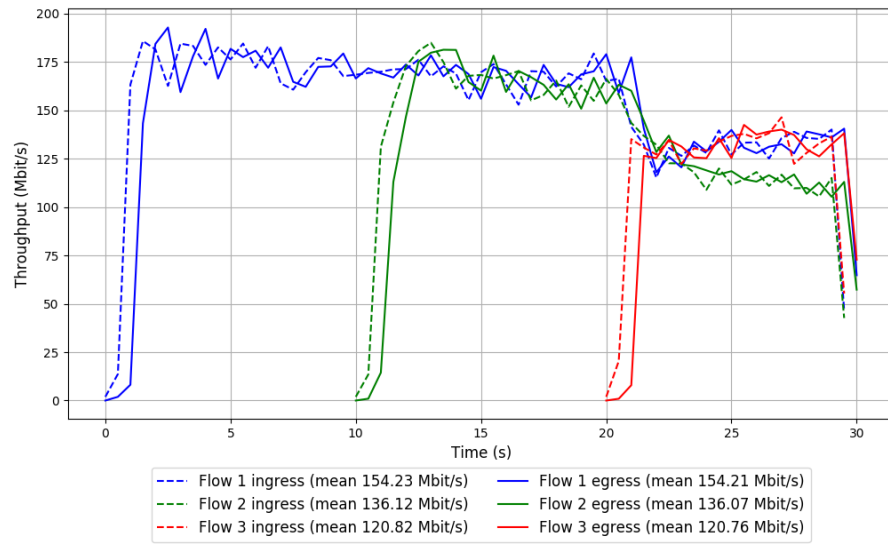


Run 4: Statistics of Indigo

Start at: 2018-07-04 17:38:18
End at: 2018-07-04 17:38:48
Local clock offset: -0.13 ms
Remote clock offset: -0.181 ms

```
# Below is generated by plot.py at 2018-07-04 22:09:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 283.52 Mbit/s
95th percentile per-packet one-way delay: 94.722 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 154.21 Mbit/s
95th percentile per-packet one-way delay: 87.297 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 136.07 Mbit/s
95th percentile per-packet one-way delay: 95.050 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 120.76 Mbit/s
95th percentile per-packet one-way delay: 102.095 ms
Loss rate: 0.04%
```

Run 4: Report of Indigo — Data Link

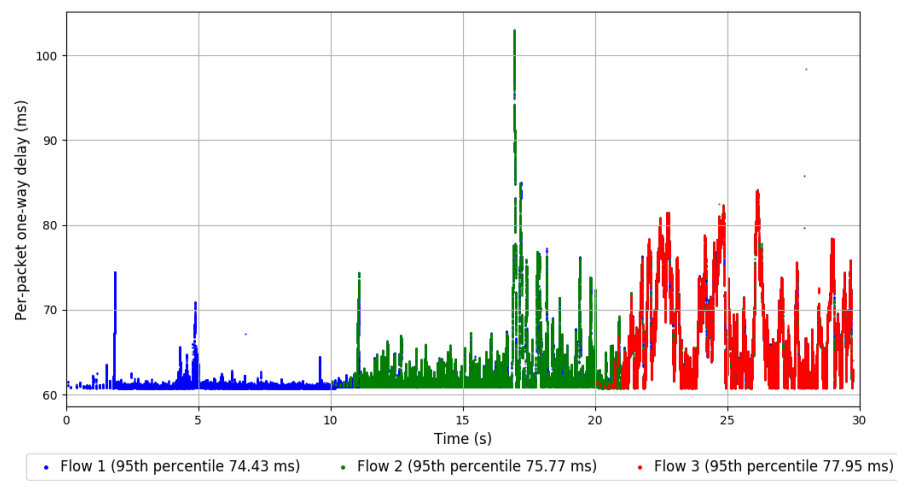
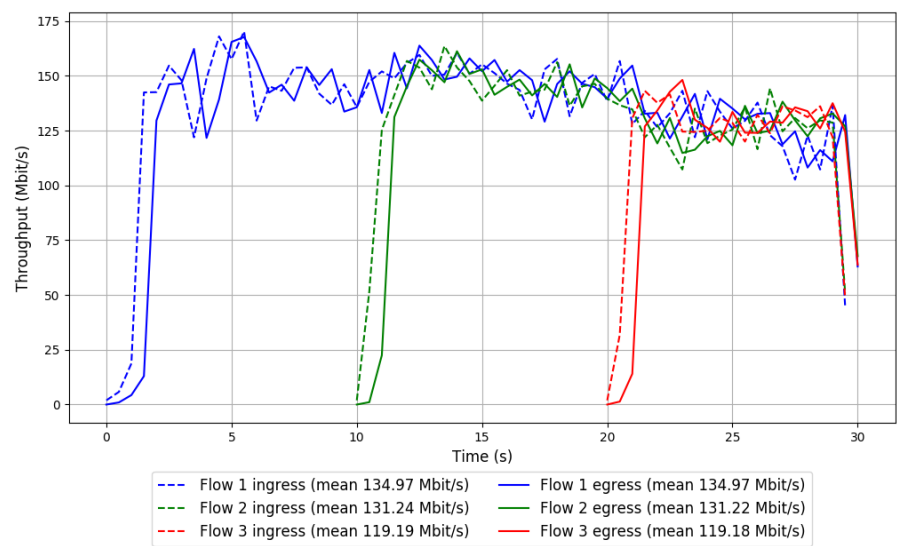


Run 5: Statistics of Indigo

Start at: 2018-07-04 18:02:42
End at: 2018-07-04 18:03:12
Local clock offset: -0.126 ms
Remote clock offset: -0.238 ms

Below is generated by plot.py at 2018-07-04 22:09:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 260.68 Mbit/s
95th percentile per-packet one-way delay: 75.841 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 134.97 Mbit/s
95th percentile per-packet one-way delay: 74.426 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 131.22 Mbit/s
95th percentile per-packet one-way delay: 75.768 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 119.18 Mbit/s
95th percentile per-packet one-way delay: 77.952 ms
Loss rate: 0.01%

Run 5: Report of Indigo — Data Link

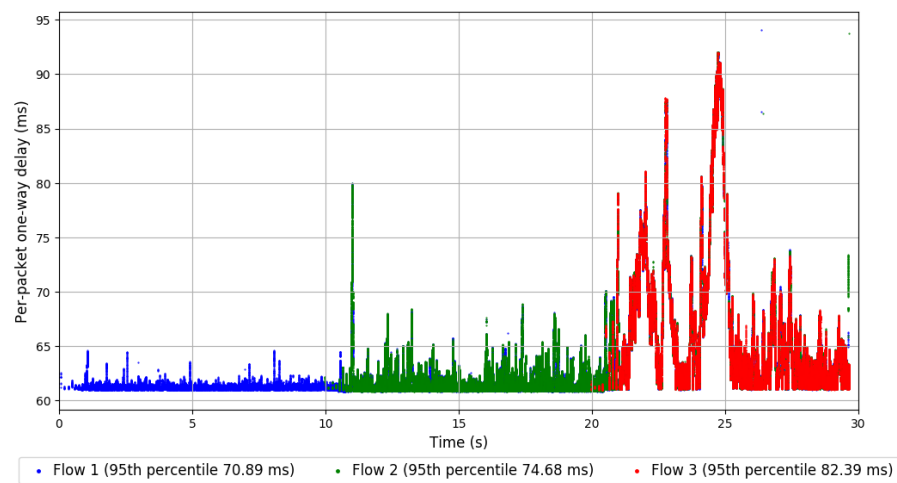
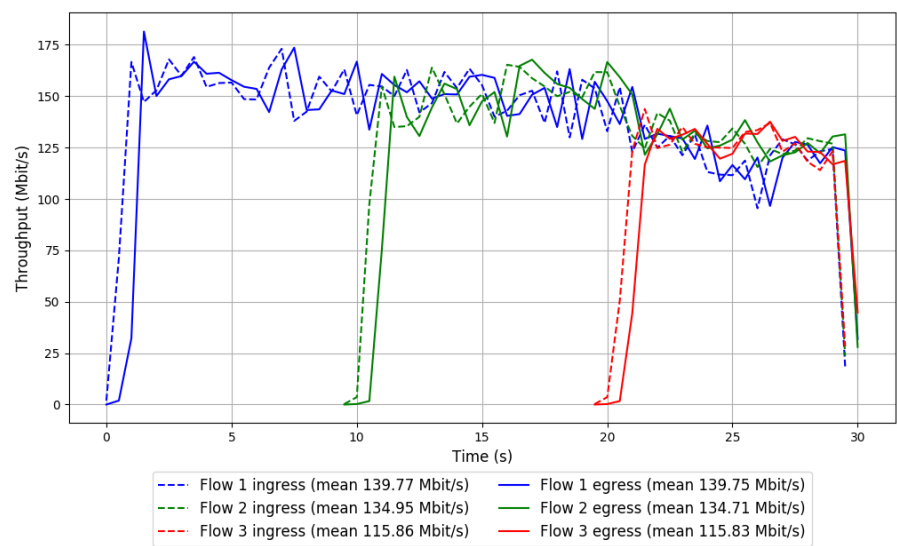


Run 6: Statistics of Indigo

Start at: 2018-07-04 18:27:22
End at: 2018-07-04 18:27:52
Local clock offset: -0.148 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-07-04 22:09:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 267.30 Mbit/s
95th percentile per-packet one-way delay: 74.307 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 139.75 Mbit/s
95th percentile per-packet one-way delay: 70.890 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 134.71 Mbit/s
95th percentile per-packet one-way delay: 74.682 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 115.83 Mbit/s
95th percentile per-packet one-way delay: 82.390 ms
Loss rate: 0.02%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-04 18:52:01

End at: 2018-07-04 18:52:31

Local clock offset: -0.038 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-04 22:09:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 276.60 Mbit/s

95th percentile per-packet one-way delay: 84.326 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 149.32 Mbit/s

95th percentile per-packet one-way delay: 80.769 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 132.61 Mbit/s

95th percentile per-packet one-way delay: 84.496 ms

Loss rate: 0.02%

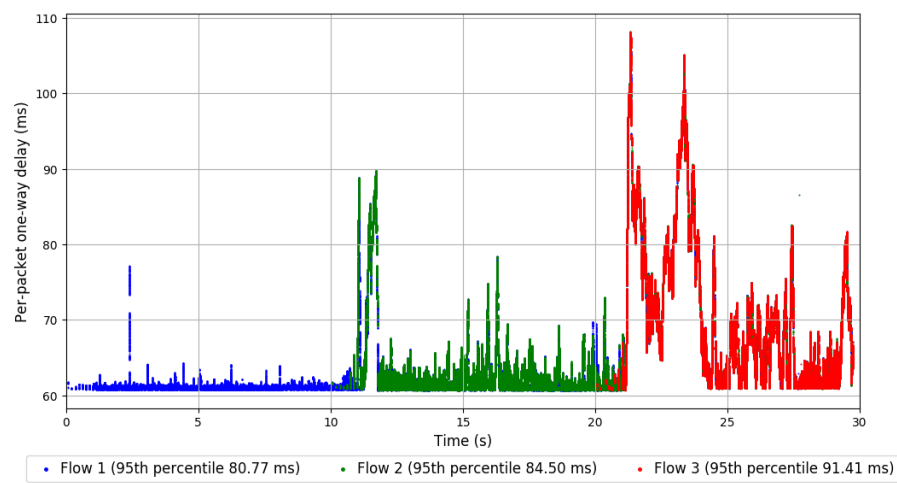
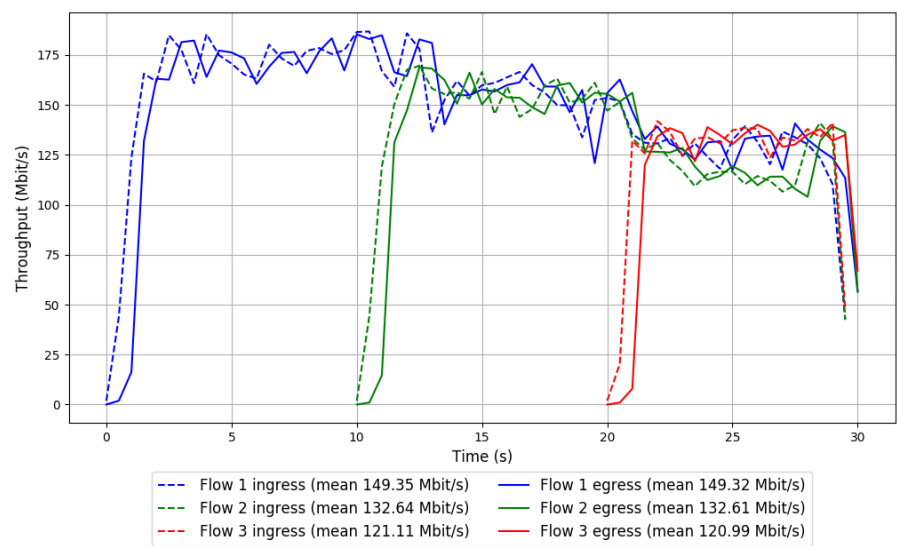
-- Flow 3:

Average throughput: 120.99 Mbit/s

95th percentile per-packet one-way delay: 91.407 ms

Loss rate: 0.09%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-04 19:16:35

End at: 2018-07-04 19:17:05

Local clock offset: 0.045 ms

Remote clock offset: 0.124 ms

Below is generated by plot.py at 2018-07-04 22:09:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 266.65 Mbit/s

95th percentile per-packet one-way delay: 71.832 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 144.17 Mbit/s

95th percentile per-packet one-way delay: 70.167 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 131.55 Mbit/s

95th percentile per-packet one-way delay: 72.245 ms

Loss rate: 0.00%

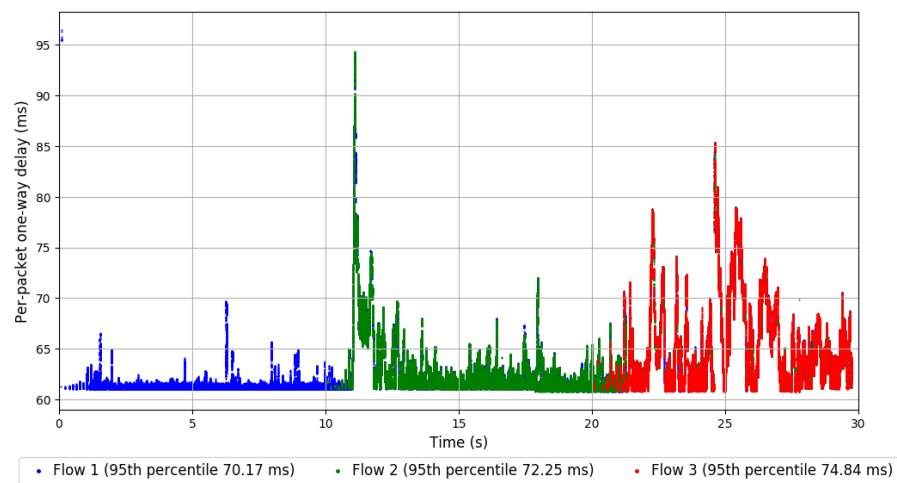
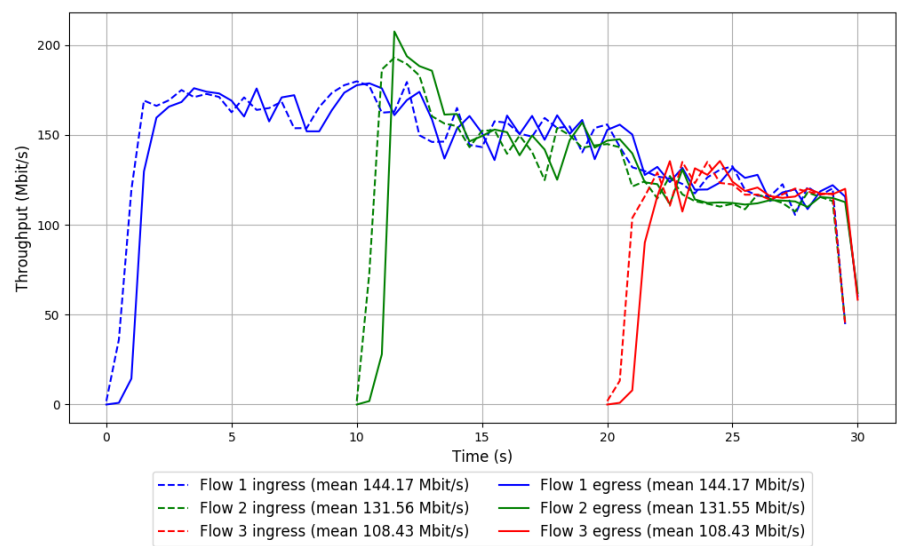
-- Flow 3:

Average throughput: 108.43 Mbit/s

95th percentile per-packet one-way delay: 74.844 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-04 19:40:57

End at: 2018-07-04 19:41:27

Local clock offset: -0.023 ms

Remote clock offset: 0.419 ms

Below is generated by plot.py at 2018-07-04 22:09:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 249.90 Mbit/s

95th percentile per-packet one-way delay: 72.119 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 136.96 Mbit/s

95th percentile per-packet one-way delay: 68.053 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 118.19 Mbit/s

95th percentile per-packet one-way delay: 72.394 ms

Loss rate: 0.00%

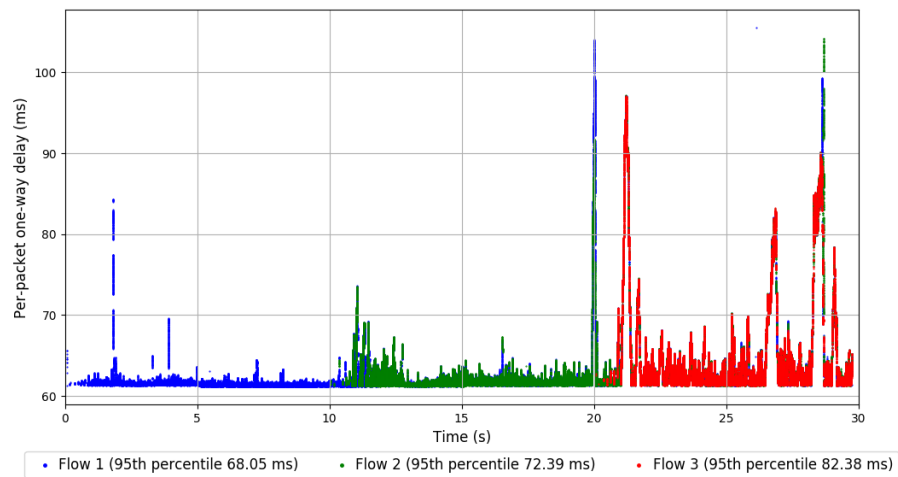
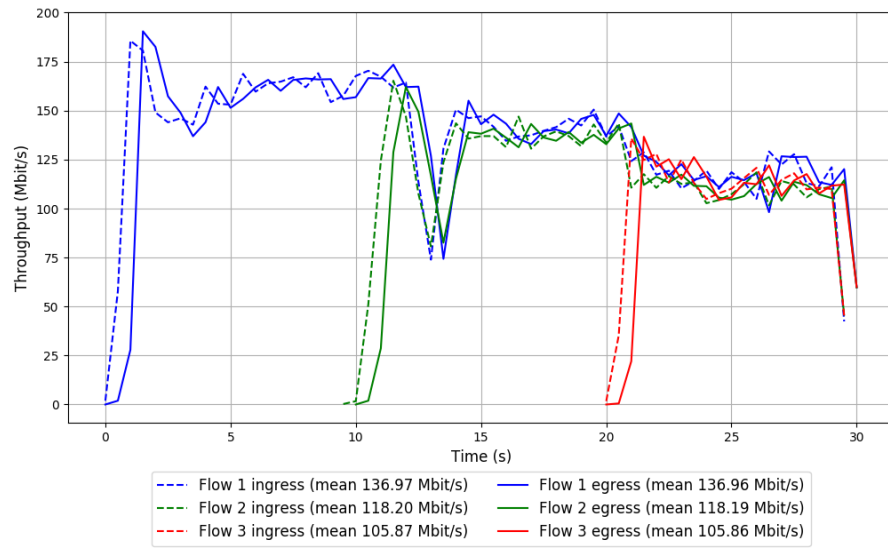
-- Flow 3:

Average throughput: 105.86 Mbit/s

95th percentile per-packet one-way delay: 82.379 ms

Loss rate: 0.01%

Run 9: Report of Indigo — Data Link

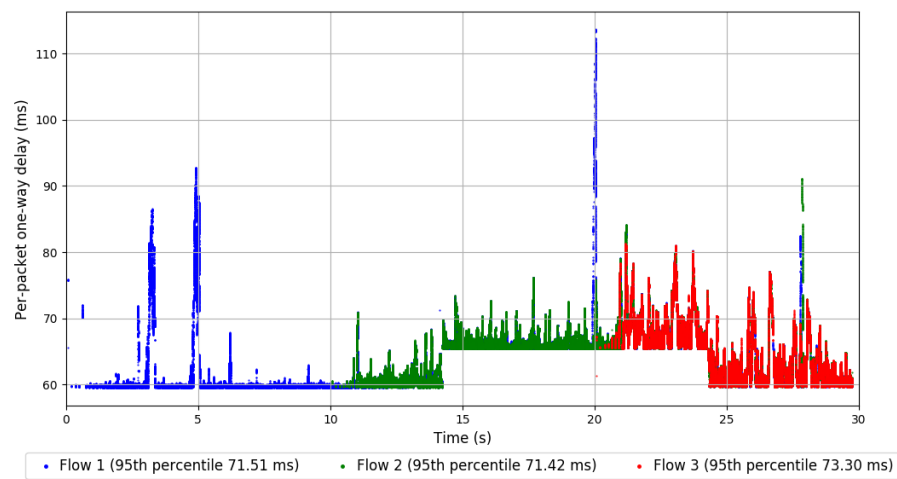
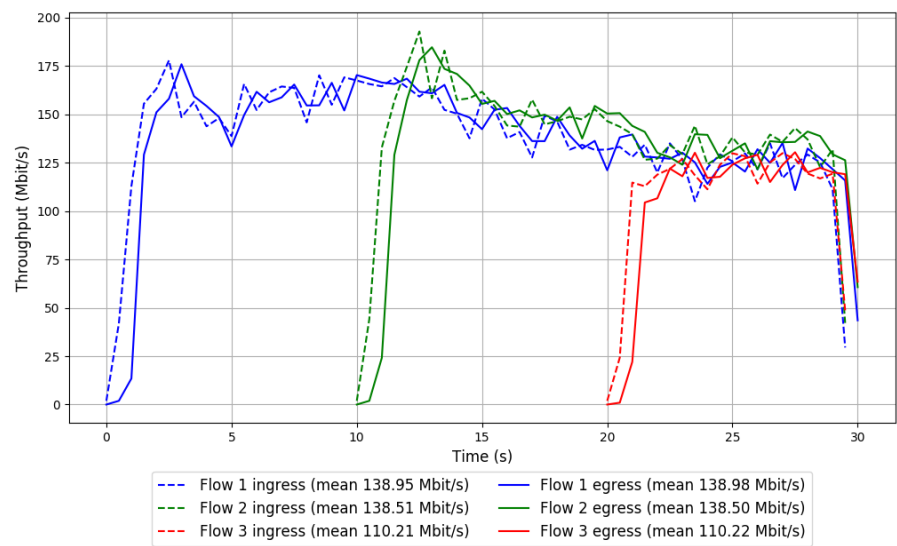


Run 10: Statistics of Indigo

Start at: 2018-07-04 20:05:18
End at: 2018-07-04 20:05:48
Local clock offset: -0.073 ms
Remote clock offset: -1.291 ms

Below is generated by plot.py at 2018-07-04 22:09:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 266.73 Mbit/s
95th percentile per-packet one-way delay: 71.790 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 138.98 Mbit/s
95th percentile per-packet one-way delay: 71.510 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 138.50 Mbit/s
95th percentile per-packet one-way delay: 71.415 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 110.22 Mbit/s
95th percentile per-packet one-way delay: 73.301 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

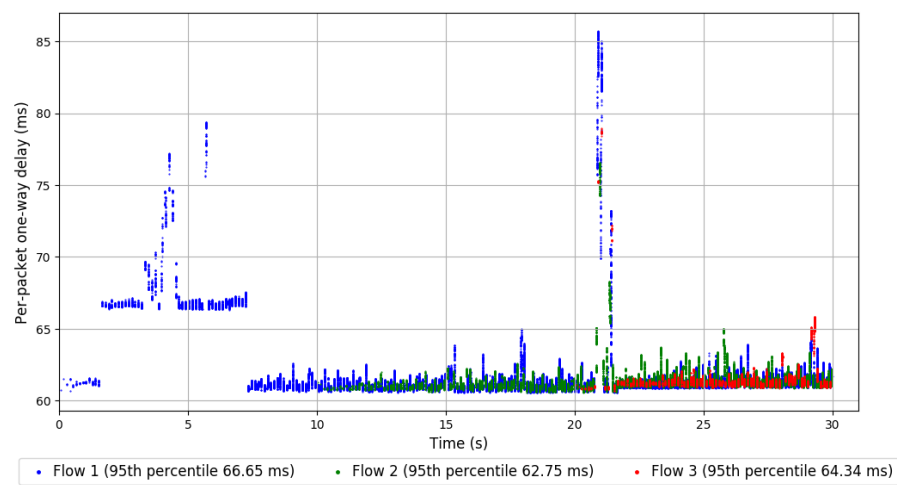
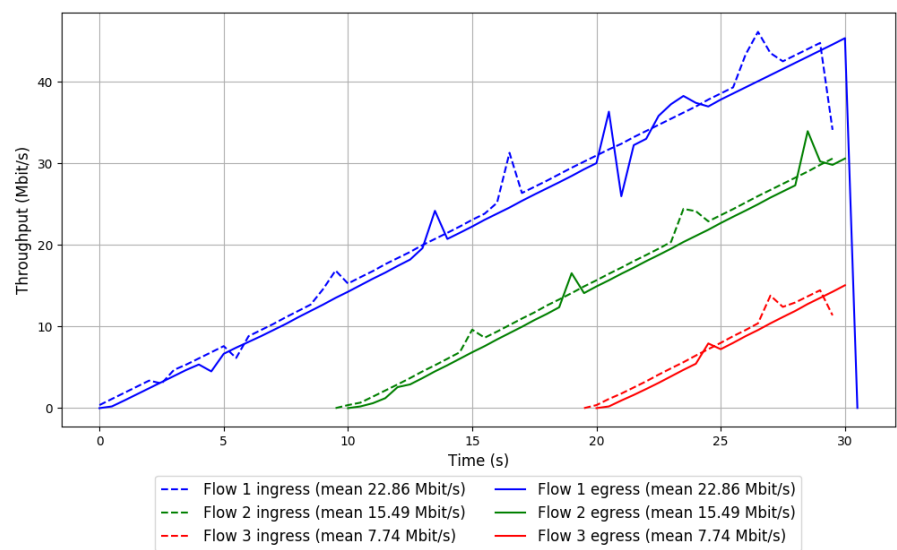


Run 1: Statistics of LEDBAT

Start at: 2018-07-04 16:10:51
End at: 2018-07-04 16:11:21
Local clock offset: -0.183 ms
Remote clock offset: -0.243 ms

Below is generated by plot.py at 2018-07-04 22:09:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.72 Mbit/s
95th percentile per-packet one-way delay: 64.862 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.86 Mbit/s
95th percentile per-packet one-way delay: 66.648 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.49 Mbit/s
95th percentile per-packet one-way delay: 62.749 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.74 Mbit/s
95th percentile per-packet one-way delay: 64.338 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

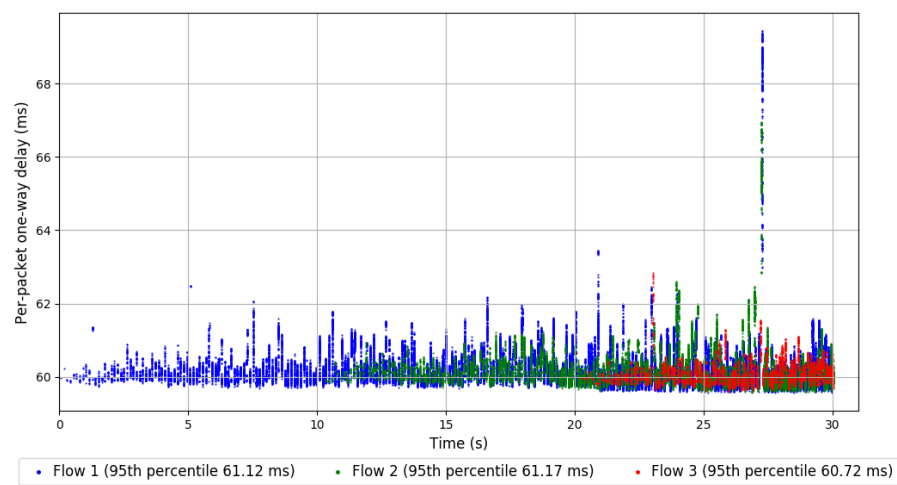
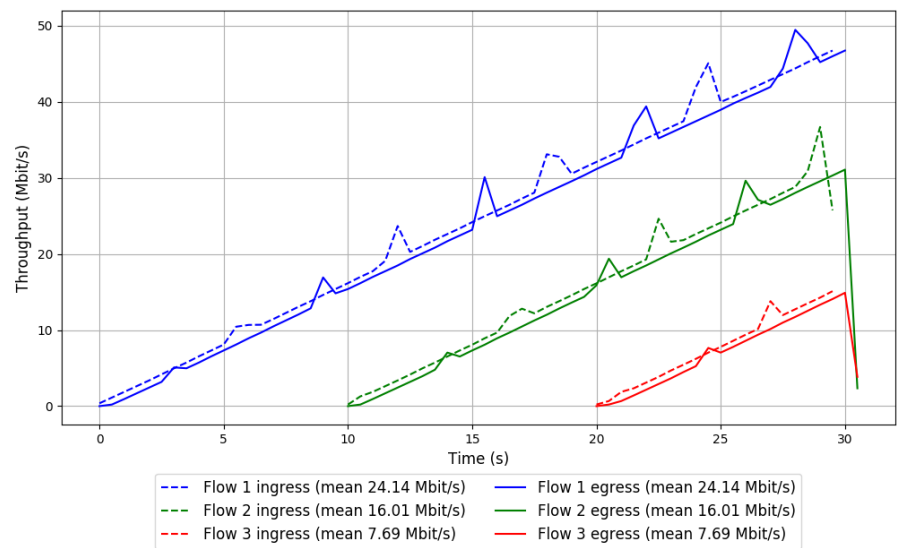


Run 2: Statistics of LEDBAT

Start at: 2018-07-04 16:35:12
End at: 2018-07-04 16:35:42
Local clock offset: -0.259 ms
Remote clock offset: -1.146 ms

Below is generated by plot.py at 2018-07-04 22:09:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.28 Mbit/s
95th percentile per-packet one-way delay: 61.109 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.14 Mbit/s
95th percentile per-packet one-way delay: 61.118 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.01 Mbit/s
95th percentile per-packet one-way delay: 61.174 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.69 Mbit/s
95th percentile per-packet one-way delay: 60.720 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

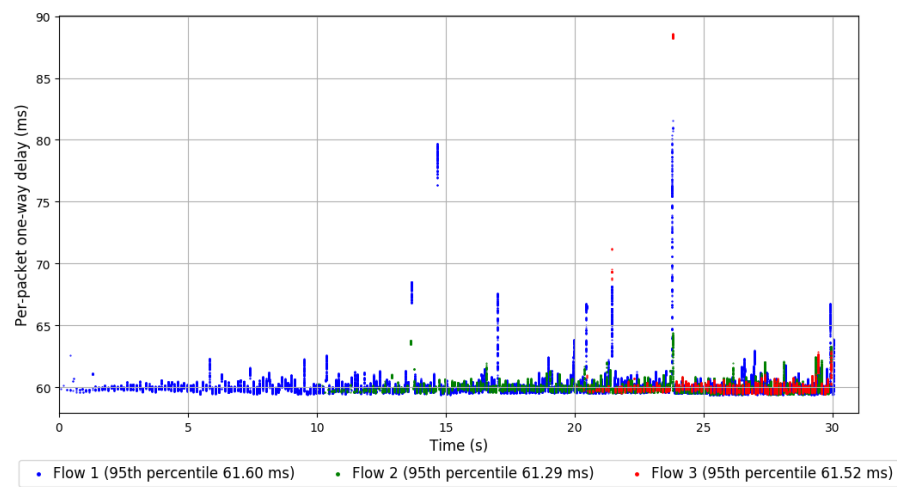
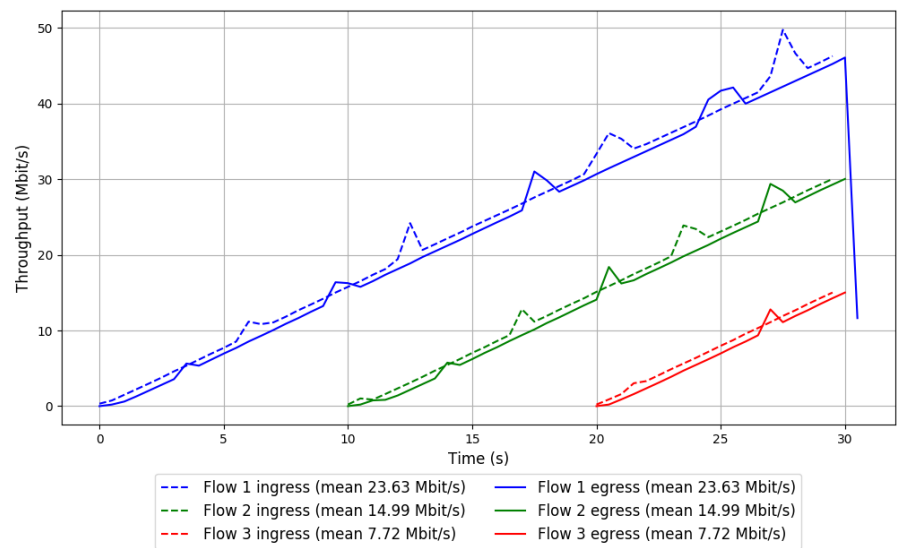


Run 3: Statistics of LEDBAT

Start at: 2018-07-04 16:59:57
End at: 2018-07-04 17:00:27
Local clock offset: -0.072 ms
Remote clock offset: -1.297 ms

Below is generated by plot.py at 2018-07-04 22:09:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.11 Mbit/s
95th percentile per-packet one-way delay: 61.489 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.63 Mbit/s
95th percentile per-packet one-way delay: 61.601 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.99 Mbit/s
95th percentile per-packet one-way delay: 61.288 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.72 Mbit/s
95th percentile per-packet one-way delay: 61.522 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

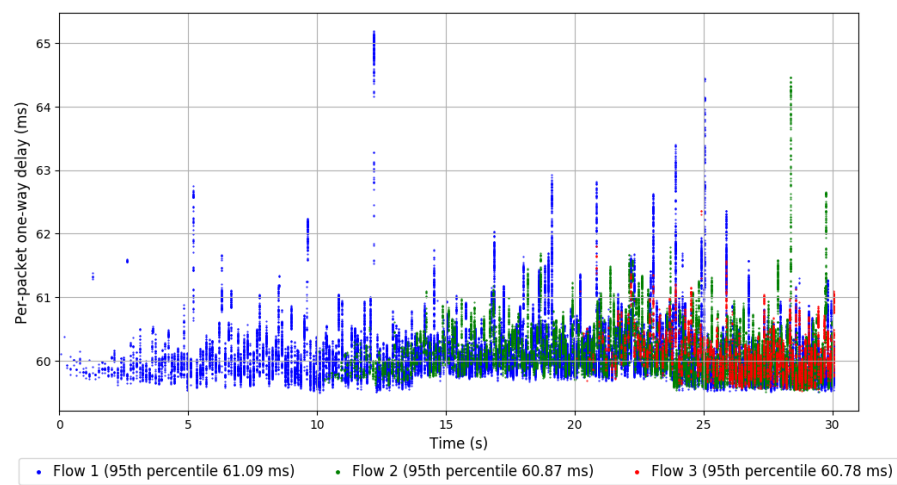
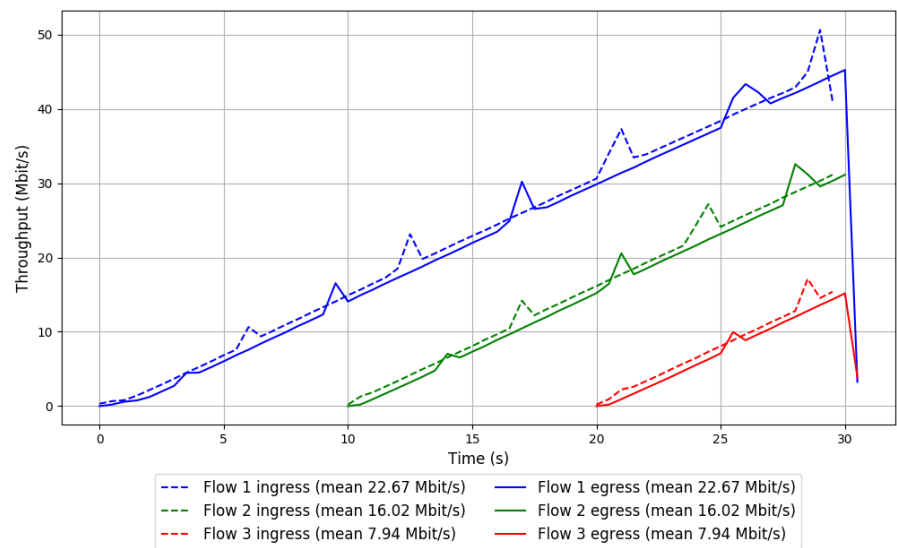


Run 4: Statistics of LEDBAT

Start at: 2018-07-04 17:24:39
End at: 2018-07-04 17:25:09
Local clock offset: -0.113 ms
Remote clock offset: -1.308 ms

Below is generated by plot.py at 2018-07-04 22:09:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.94 Mbit/s
95th percentile per-packet one-way delay: 60.987 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.67 Mbit/s
95th percentile per-packet one-way delay: 61.095 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.02 Mbit/s
95th percentile per-packet one-way delay: 60.869 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.94 Mbit/s
95th percentile per-packet one-way delay: 60.782 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-04 17:49:03

End at: 2018-07-04 17:49:33

Local clock offset: -0.121 ms

Remote clock offset: 0.313 ms

Below is generated by plot.py at 2018-07-04 22:09:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.04 Mbit/s

95th percentile per-packet one-way delay: 63.140 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 23.87 Mbit/s

95th percentile per-packet one-way delay: 63.224 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.92 Mbit/s

95th percentile per-packet one-way delay: 63.122 ms

Loss rate: 0.00%

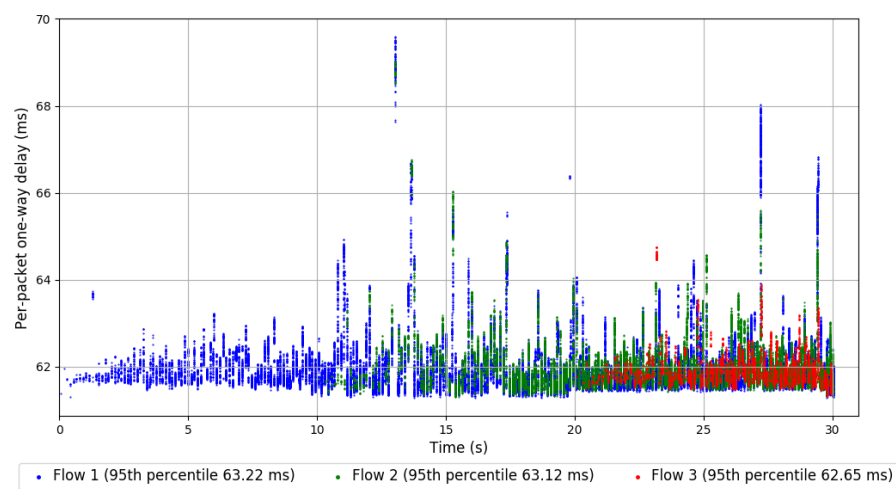
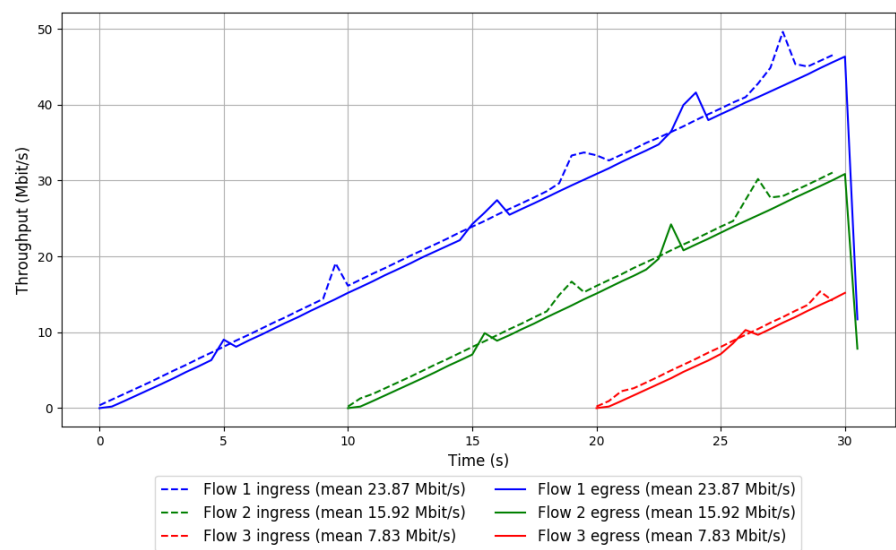
-- Flow 3:

Average throughput: 7.83 Mbit/s

95th percentile per-packet one-way delay: 62.647 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-04 18:13:38

End at: 2018-07-04 18:14:08

Local clock offset: -0.139 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-04 22:09:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.09 Mbit/s

95th percentile per-packet one-way delay: 62.627 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 23.93 Mbit/s

95th percentile per-packet one-way delay: 62.734 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 16.00 Mbit/s

95th percentile per-packet one-way delay: 62.394 ms

Loss rate: 0.00%

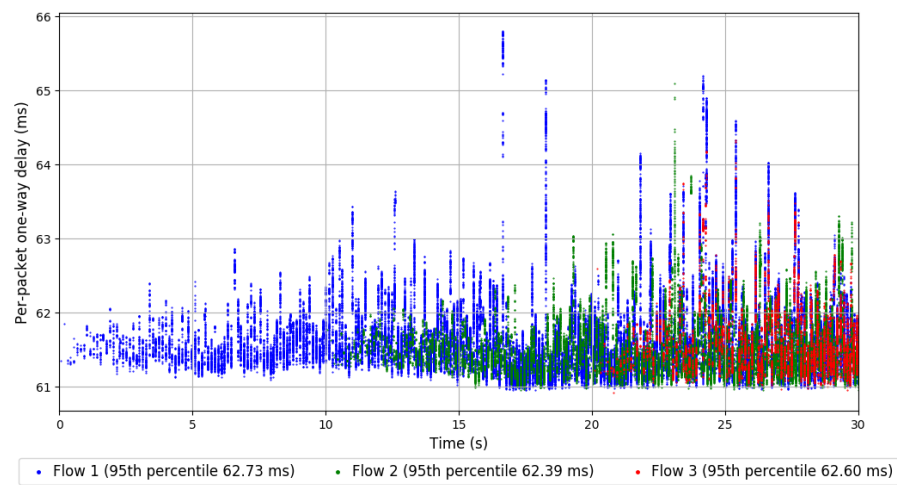
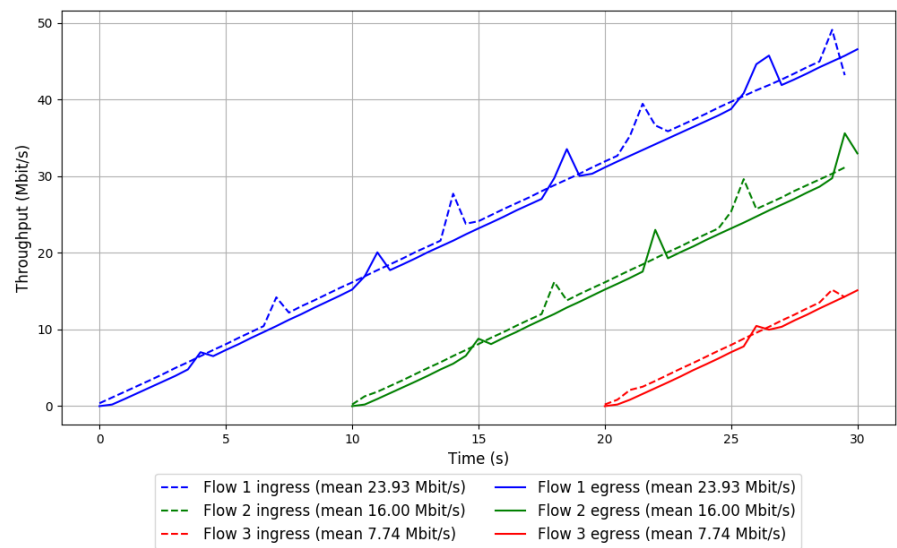
-- Flow 3:

Average throughput: 7.74 Mbit/s

95th percentile per-packet one-way delay: 62.602 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

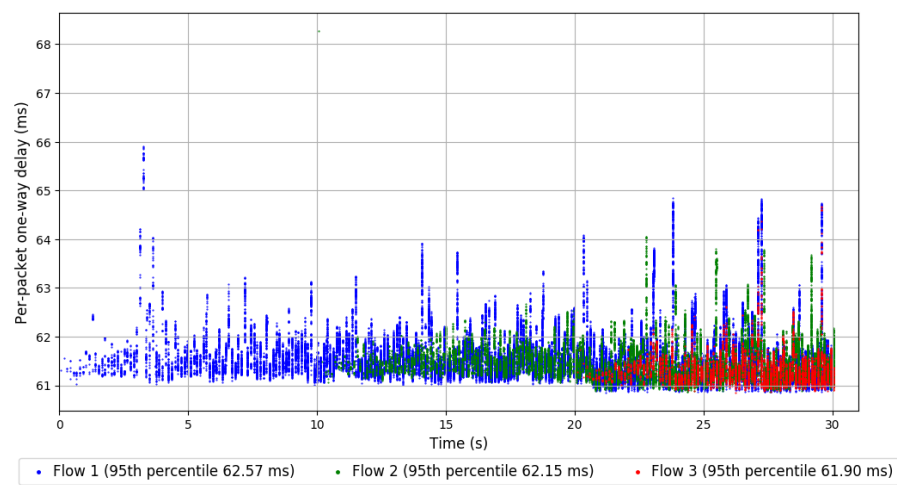
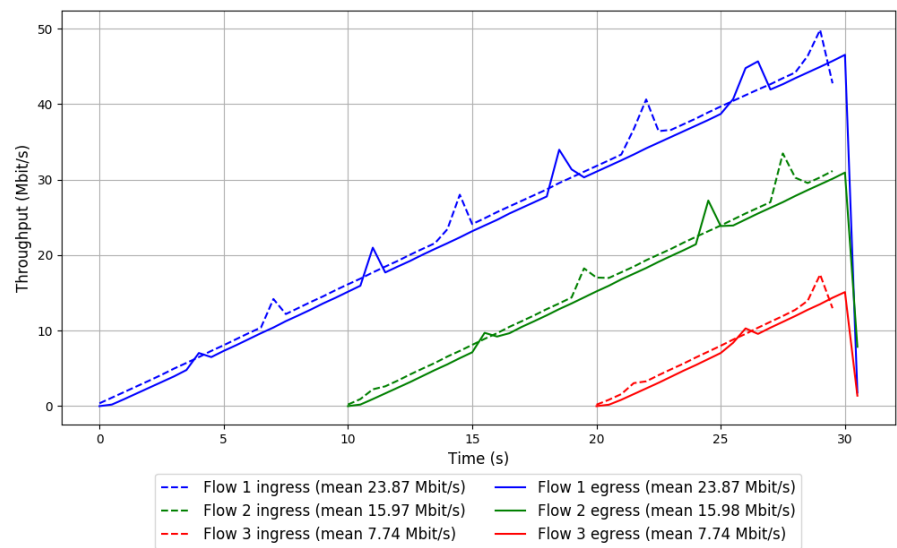


Run 7: Statistics of LEDBAT

Start at: 2018-07-04 18:38:12
End at: 2018-07-04 18:38:42
Local clock offset: -0.058 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-04 22:09:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.08 Mbit/s
95th percentile per-packet one-way delay: 62.406 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 62.570 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.98 Mbit/s
95th percentile per-packet one-way delay: 62.150 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.74 Mbit/s
95th percentile per-packet one-way delay: 61.895 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

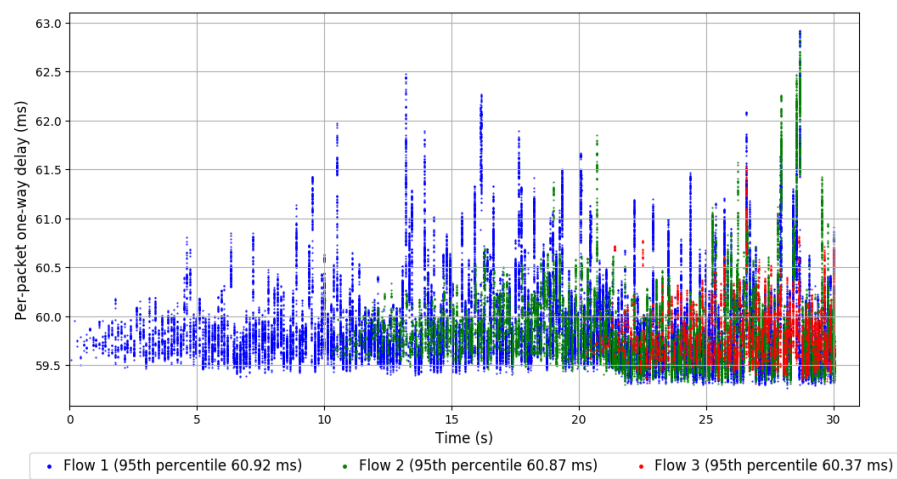
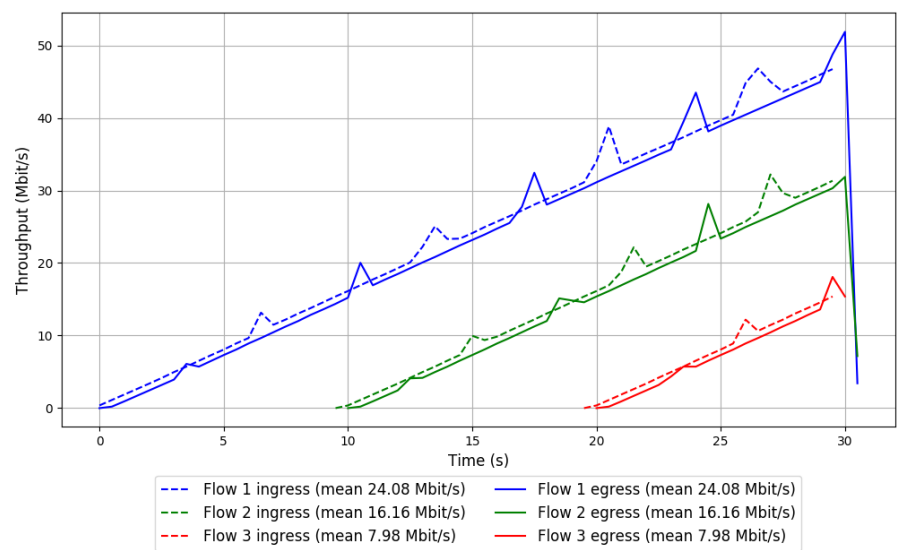


Run 8: Statistics of LEDBAT

Start at: 2018-07-04 19:02:51
End at: 2018-07-04 19:03:21
Local clock offset: -0.022 ms
Remote clock offset: -1.413 ms

Below is generated by plot.py at 2018-07-04 22:09:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.49 Mbit/s
95th percentile per-packet one-way delay: 60.878 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.08 Mbit/s
95th percentile per-packet one-way delay: 60.922 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.16 Mbit/s
95th percentile per-packet one-way delay: 60.872 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.98 Mbit/s
95th percentile per-packet one-way delay: 60.373 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-04 19:27:05

End at: 2018-07-04 19:27:35

Local clock offset: 0.079 ms

Remote clock offset: 0.374 ms

Below is generated by plot.py at 2018-07-04 22:09:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.26 Mbit/s

95th percentile per-packet one-way delay: 62.634 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.01 Mbit/s

95th percentile per-packet one-way delay: 62.643 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.99 Mbit/s

95th percentile per-packet one-way delay: 62.688 ms

Loss rate: 0.00%

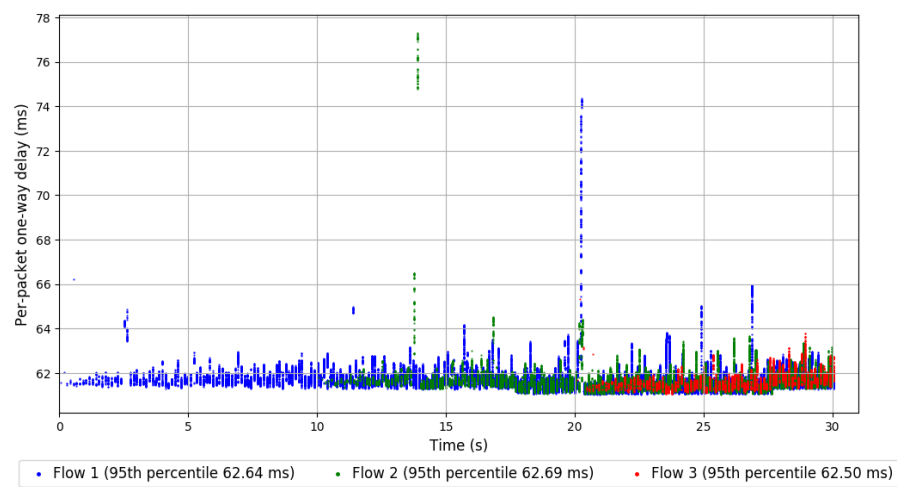
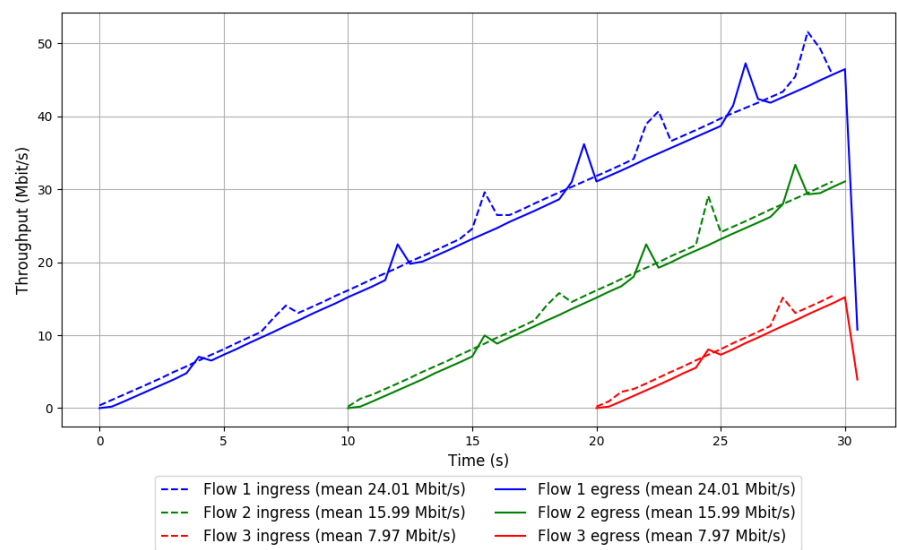
-- Flow 3:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 62.497 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-04 19:51:46

End at: 2018-07-04 19:52:16

Local clock offset: -0.057 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-07-04 22:09:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 32.73 Mbit/s

95th percentile per-packet one-way delay: 68.236 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 21.22 Mbit/s

95th percentile per-packet one-way delay: 68.279 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.96 Mbit/s

95th percentile per-packet one-way delay: 68.044 ms

Loss rate: 0.00%

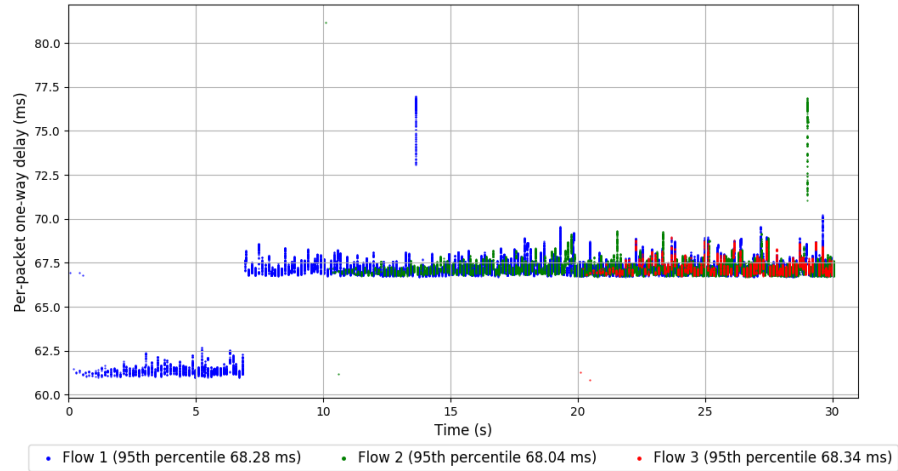
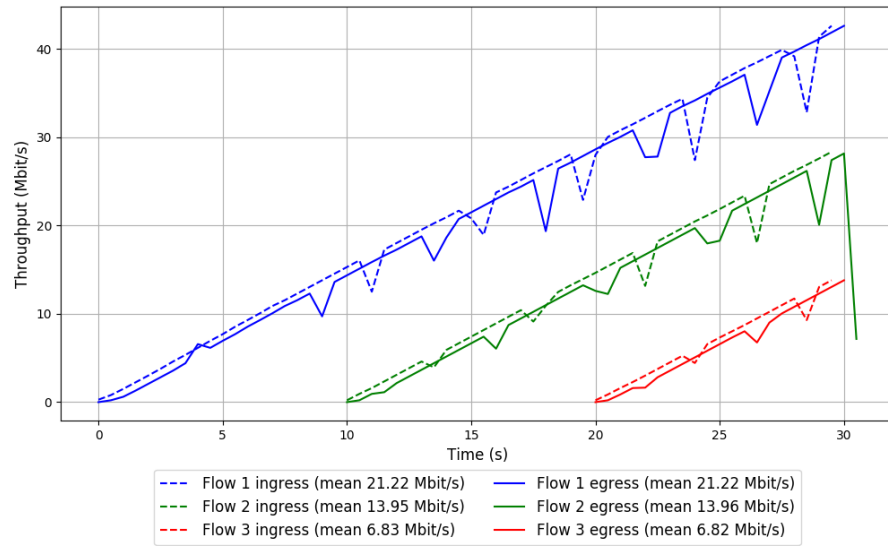
-- Flow 3:

Average throughput: 6.82 Mbit/s

95th percentile per-packet one-way delay: 68.340 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

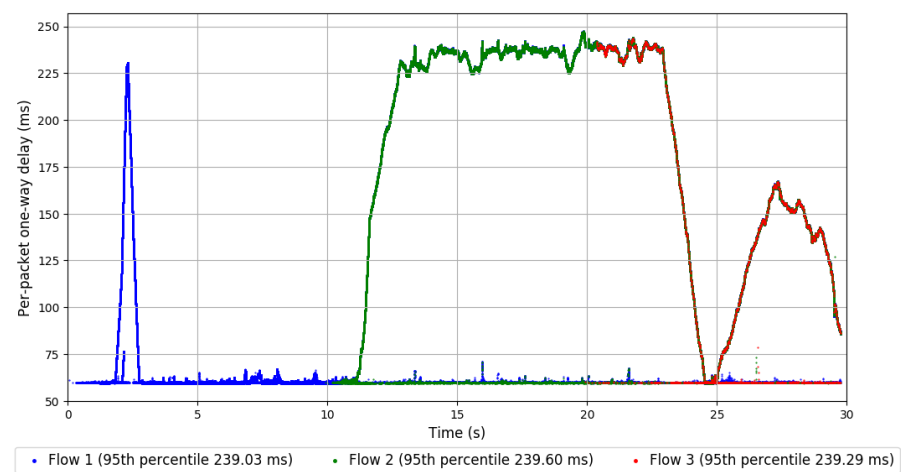
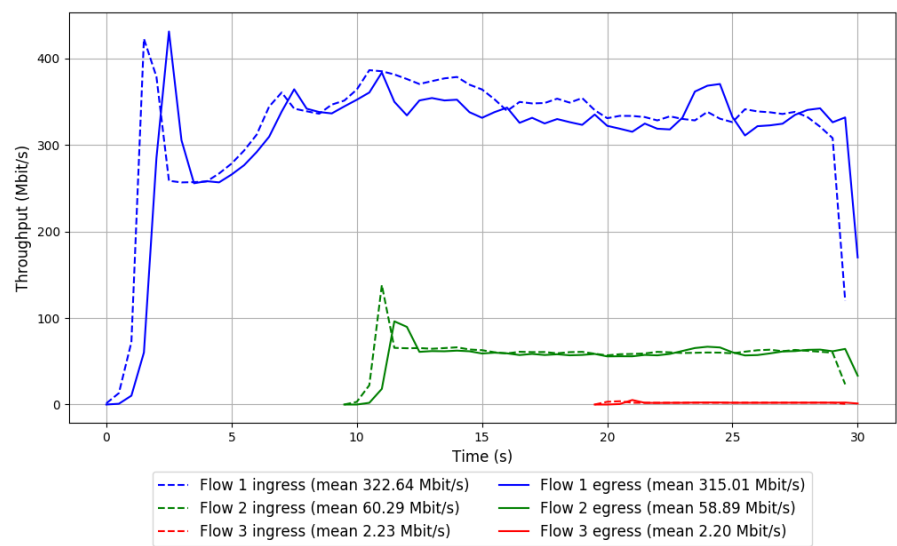


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-04 16:20:39
End at: 2018-07-04 16:21:09
Local clock offset: -0.165 ms
Remote clock offset: -1.231 ms

# Below is generated by plot.py at 2018-07-04 22:09:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 355.07 Mbit/s
95th percentile per-packet one-way delay: 239.111 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 315.01 Mbit/s
95th percentile per-packet one-way delay: 239.032 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 58.89 Mbit/s
95th percentile per-packet one-way delay: 239.601 ms
Loss rate: 2.31%
-- Flow 3:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 239.286 ms
Loss rate: 1.53%
```

Run 1: Report of PCC-Allegro — Data Link

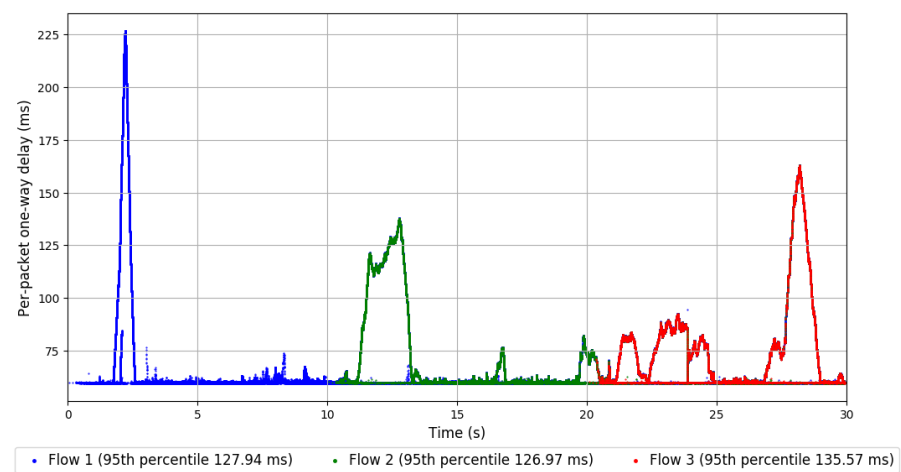
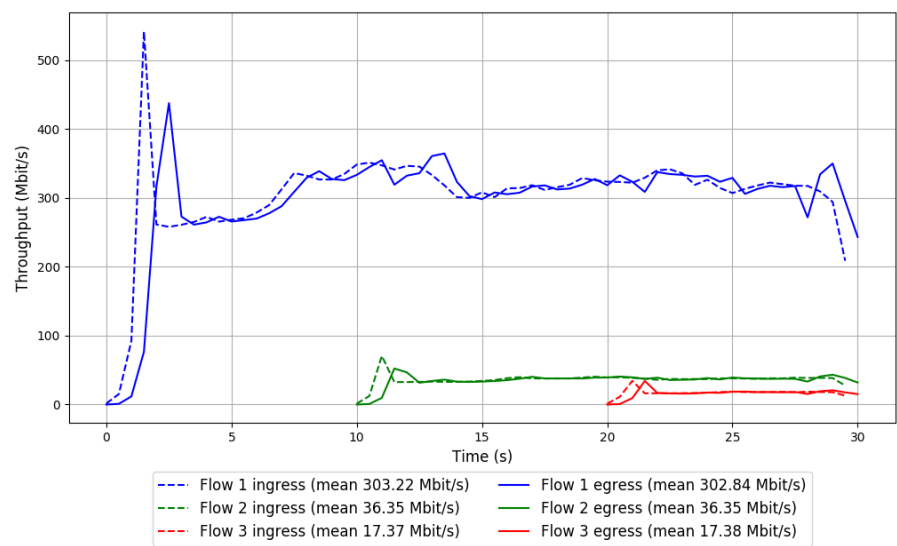


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-04 16:45:03
End at: 2018-07-04 16:45:33
Local clock offset: -0.17 ms
Remote clock offset: -1.258 ms

Below is generated by plot.py at 2018-07-04 22:09:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.72 Mbit/s
95th percentile per-packet one-way delay: 127.911 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 302.84 Mbit/s
95th percentile per-packet one-way delay: 127.944 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.35 Mbit/s
95th percentile per-packet one-way delay: 126.966 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.38 Mbit/s
95th percentile per-packet one-way delay: 135.575 ms
Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link

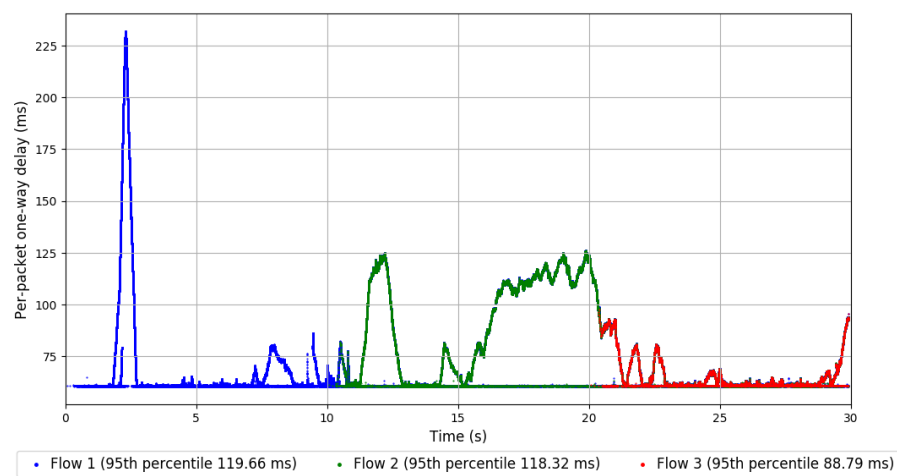
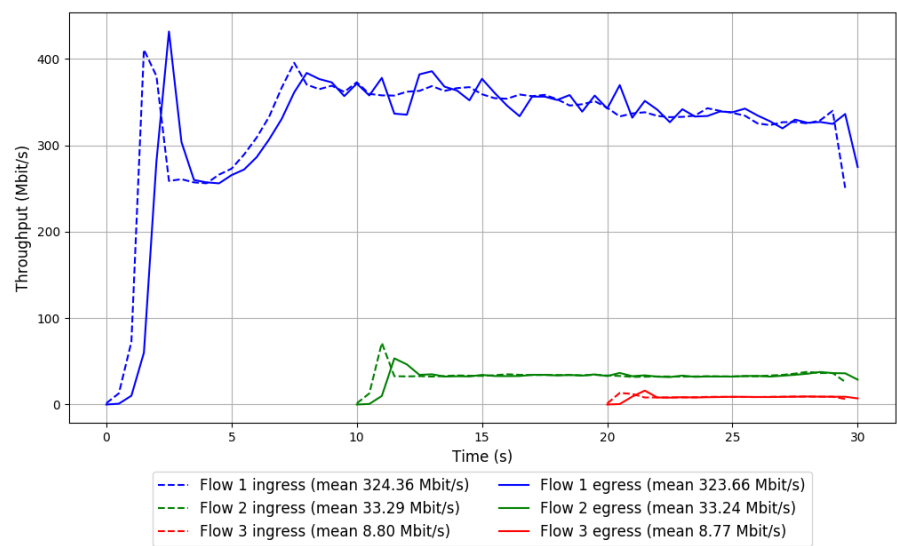


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-04 17:09:50
End at: 2018-07-04 17:10:20
Local clock offset: -0.049 ms
Remote clock offset: -0.249 ms

Below is generated by plot.py at 2018-07-04 22:09:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 348.64 Mbit/s
95th percentile per-packet one-way delay: 119.468 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 323.66 Mbit/s
95th percentile per-packet one-way delay: 119.661 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 33.24 Mbit/s
95th percentile per-packet one-way delay: 118.318 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 8.77 Mbit/s
95th percentile per-packet one-way delay: 88.789 ms
Loss rate: 0.32%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-04 17:34:21

End at: 2018-07-04 17:34:51

Local clock offset: -0.112 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-07-04 22:09:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 324.62 Mbit/s

95th percentile per-packet one-way delay: 115.635 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 290.32 Mbit/s

95th percentile per-packet one-way delay: 115.950 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 34.87 Mbit/s

95th percentile per-packet one-way delay: 114.998 ms

Loss rate: 0.00%

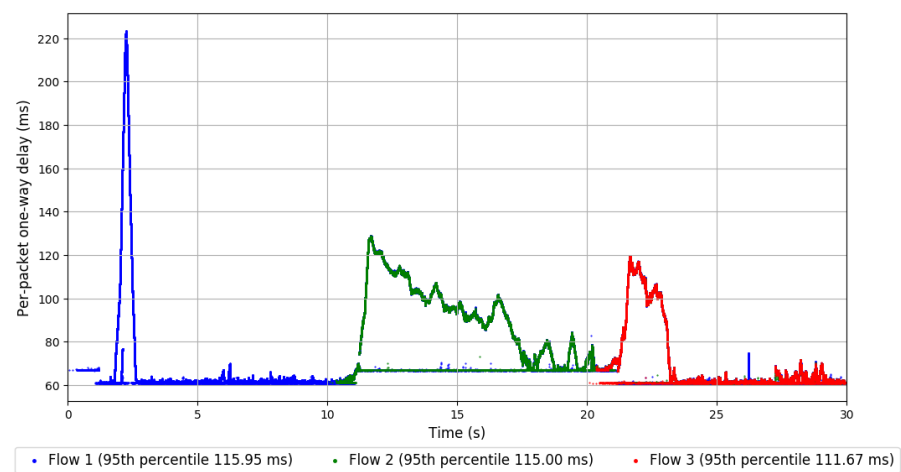
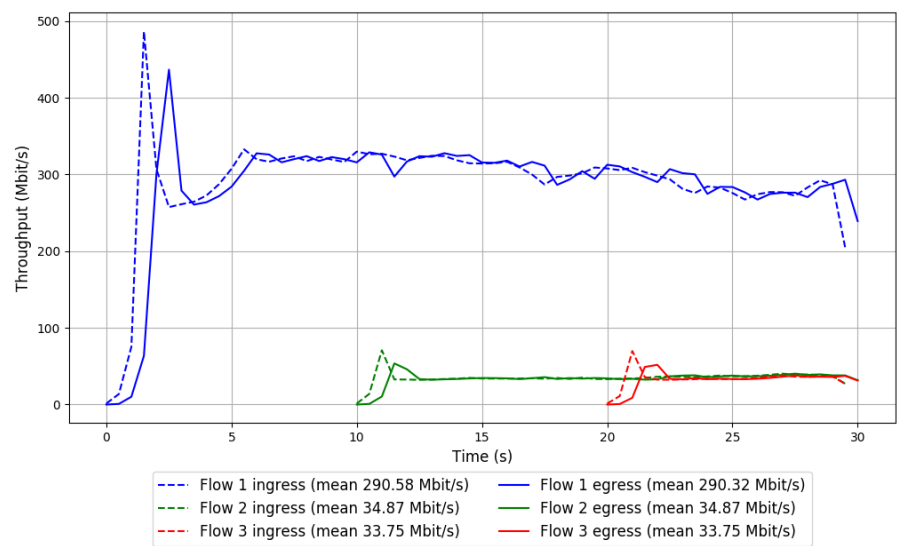
-- Flow 3:

Average throughput: 33.75 Mbit/s

95th percentile per-packet one-way delay: 111.667 ms

Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link

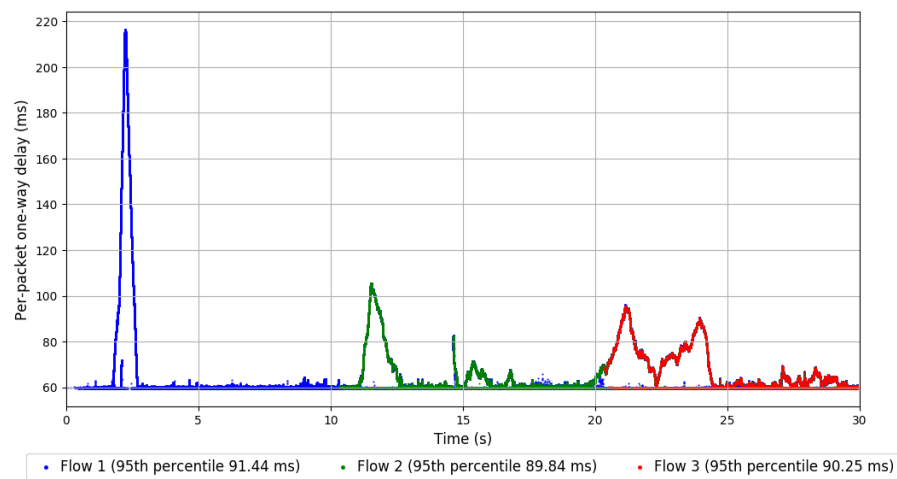
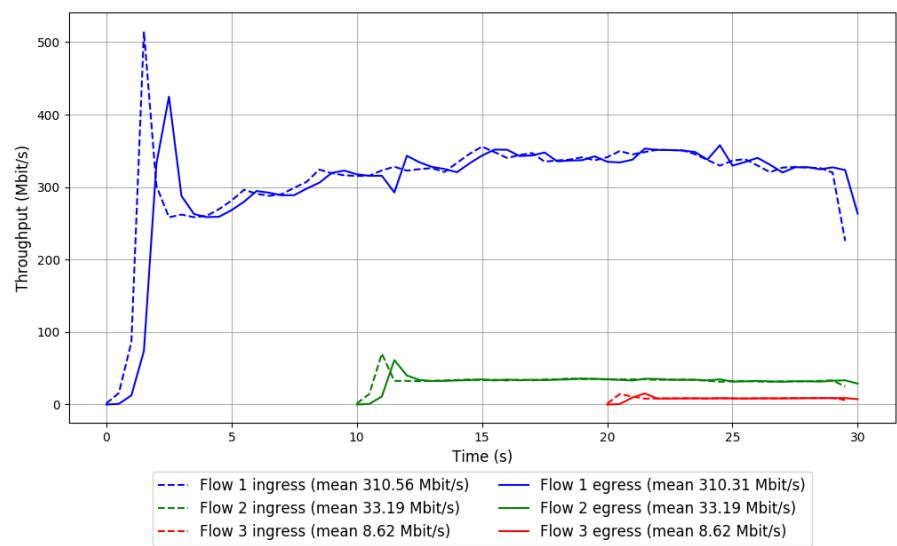


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-04 17:58:45
End at: 2018-07-04 17:59:15
Local clock offset: -0.138 ms
Remote clock offset: -1.387 ms

```
# Below is generated by plot.py at 2018-07-04 22:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 335.21 Mbit/s
95th percentile per-packet one-way delay: 91.193 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 310.31 Mbit/s
95th percentile per-packet one-way delay: 91.444 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 33.19 Mbit/s
95th percentile per-packet one-way delay: 89.839 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.62 Mbit/s
95th percentile per-packet one-way delay: 90.252 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-04 18:23:24

End at: 2018-07-04 18:23:54

Local clock offset: -0.121 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2018-07-04 22:12:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 357.43 Mbit/s

95th percentile per-packet one-way delay: 139.137 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 333.16 Mbit/s

95th percentile per-packet one-way delay: 140.063 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 4.65 Mbit/s

95th percentile per-packet one-way delay: 134.502 ms

Loss rate: 0.05%

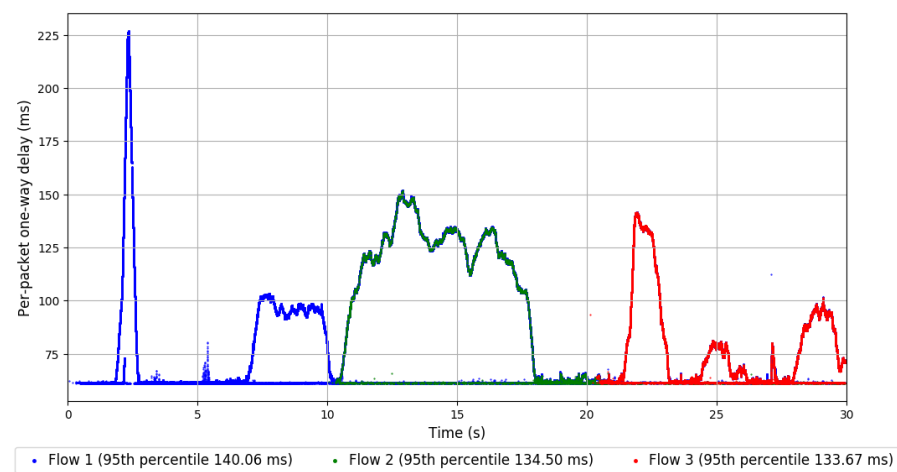
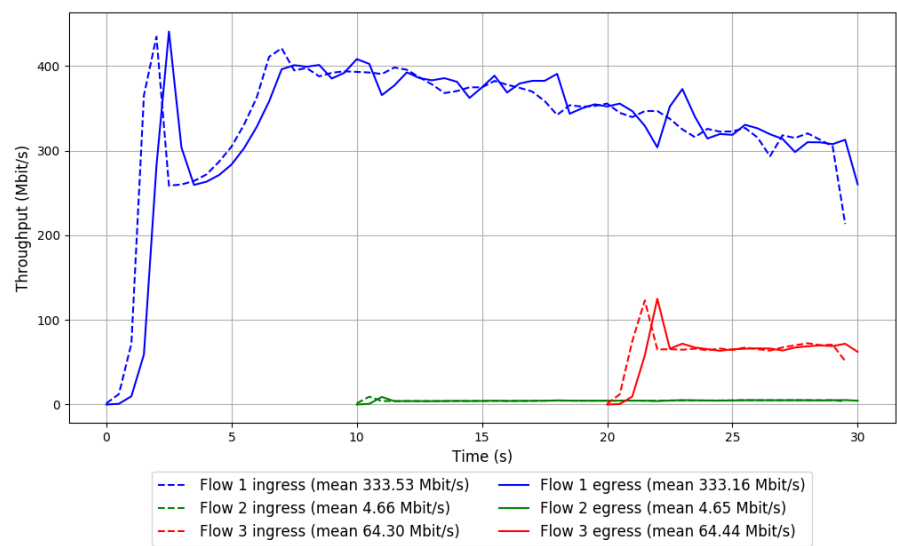
-- Flow 3:

Average throughput: 64.44 Mbit/s

95th percentile per-packet one-way delay: 133.669 ms

Loss rate: 0.10%

Run 6: Report of PCC-Allegro — Data Link

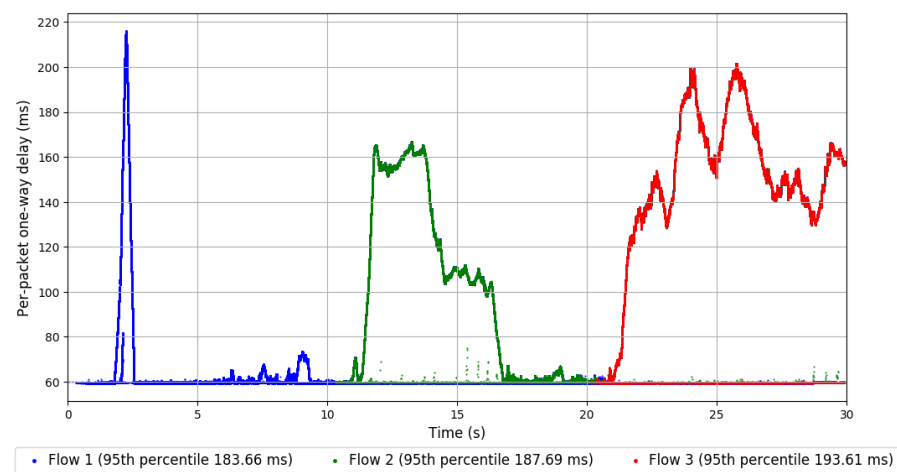
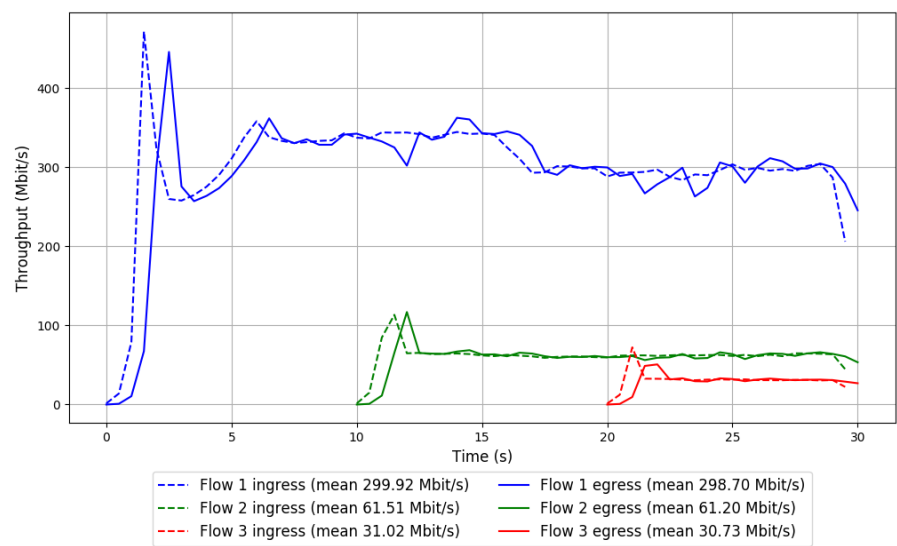


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-04 18:48:04
End at: 2018-07-04 18:48:34
Local clock offset: -0.02 ms
Remote clock offset: -1.309 ms

Below is generated by plot.py at 2018-07-04 22:13:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 349.50 Mbit/s
95th percentile per-packet one-way delay: 185.375 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 298.70 Mbit/s
95th percentile per-packet one-way delay: 183.655 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 61.20 Mbit/s
95th percentile per-packet one-way delay: 187.691 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 30.73 Mbit/s
95th percentile per-packet one-way delay: 193.607 ms
Loss rate: 0.94%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-04 19:12:38

End at: 2018-07-04 19:13:08

Local clock offset: 0.051 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-07-04 22:13:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 340.47 Mbit/s

95th percentile per-packet one-way delay: 156.905 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 332.15 Mbit/s

95th percentile per-packet one-way delay: 157.083 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 4.20 Mbit/s

95th percentile per-packet one-way delay: 153.329 ms

Loss rate: 0.00%

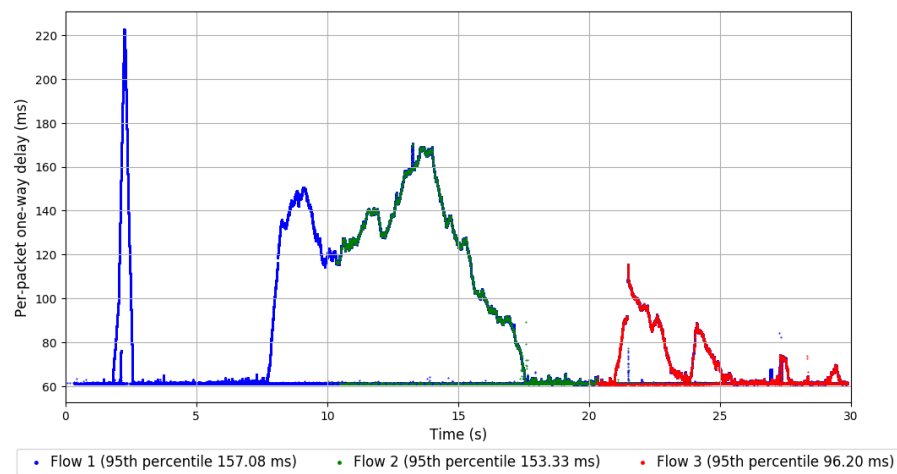
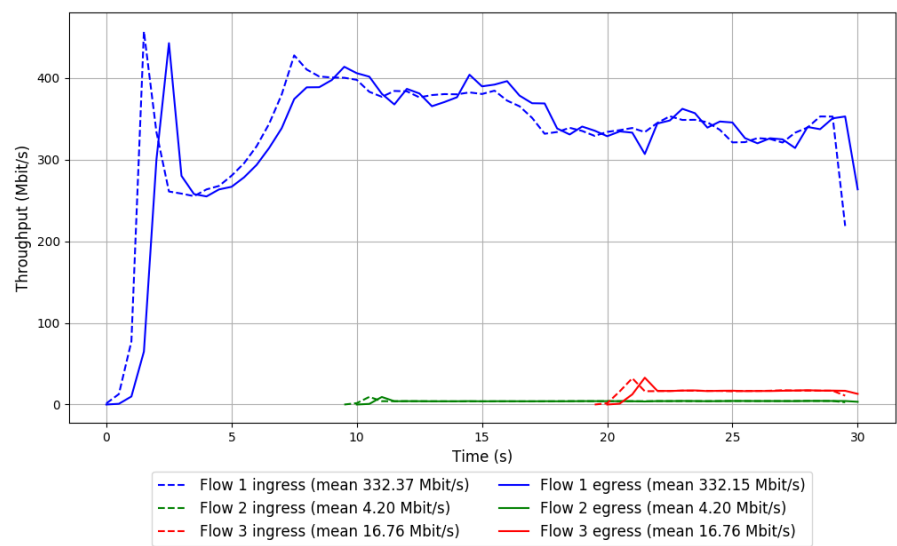
-- Flow 3:

Average throughput: 16.76 Mbit/s

95th percentile per-packet one-way delay: 96.198 ms

Loss rate: 0.00%

Run 8: Report of PCC-Allegro — Data Link

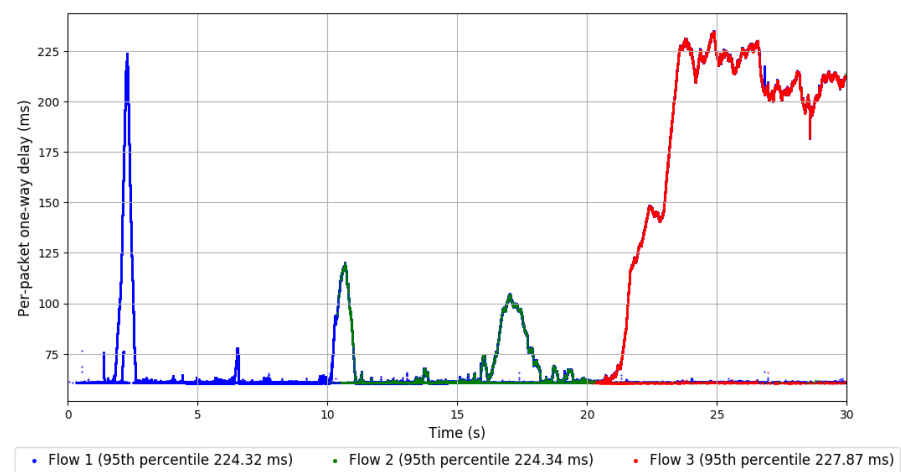
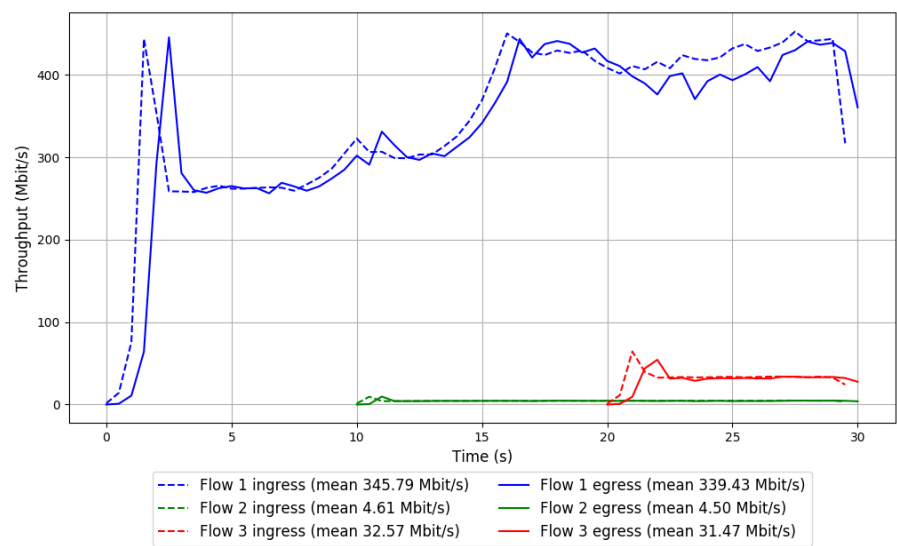


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-04 19:36:58
End at: 2018-07-04 19:37:28
Local clock offset: -0.016 ms
Remote clock offset: -0.231 ms

Below is generated by plot.py at 2018-07-04 22:13:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 352.75 Mbit/s
95th percentile per-packet one-way delay: 224.556 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 339.43 Mbit/s
95th percentile per-packet one-way delay: 224.323 ms
Loss rate: 1.84%
-- Flow 2:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 224.336 ms
Loss rate: 2.48%
-- Flow 3:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: 227.866 ms
Loss rate: 3.38%

Run 9: Report of PCC-Allegro — Data Link

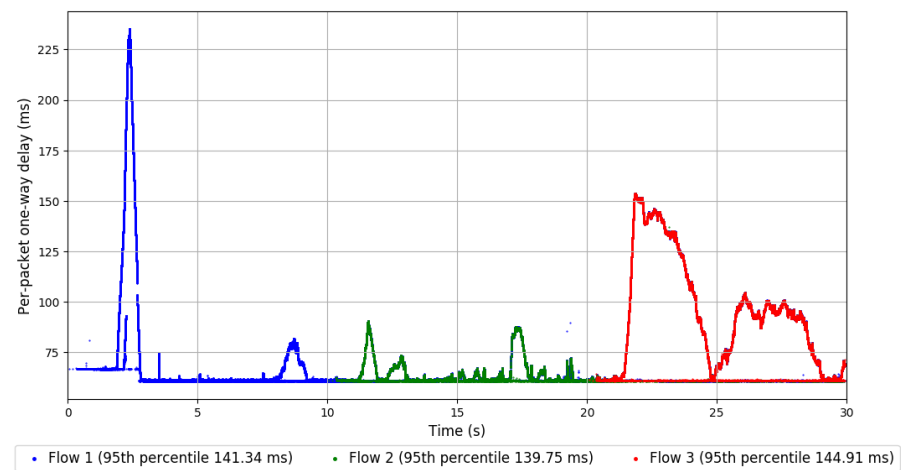
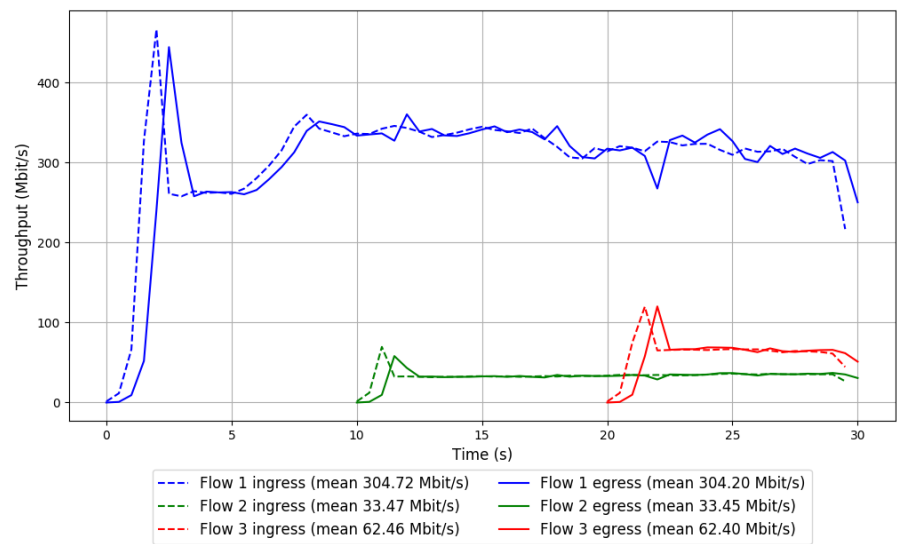


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-04 20:01:20
End at: 2018-07-04 20:01:50
Local clock offset: -0.129 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-04 22:13:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 346.96 Mbit/s
95th percentile per-packet one-way delay: 142.226 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 304.20 Mbit/s
95th percentile per-packet one-way delay: 141.341 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 33.45 Mbit/s
95th percentile per-packet one-way delay: 139.747 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 62.40 Mbit/s
95th percentile per-packet one-way delay: 144.909 ms
Loss rate: 0.07%

Run 10: Report of PCC-Allegro — Data Link

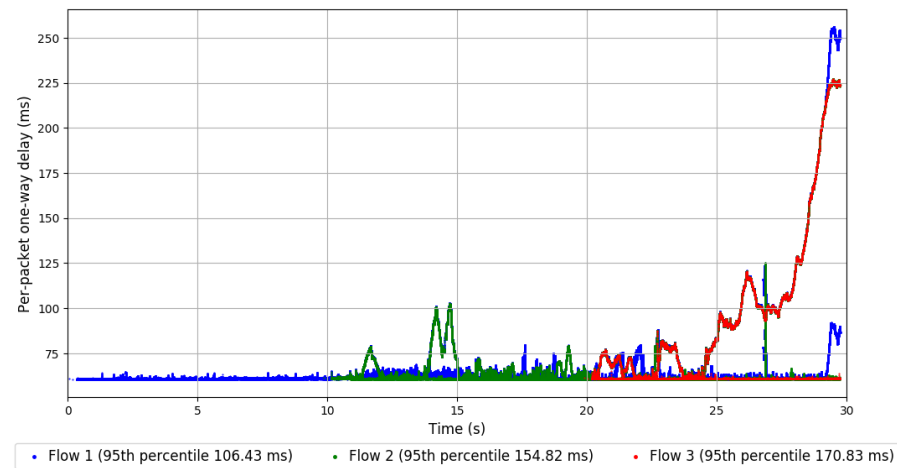
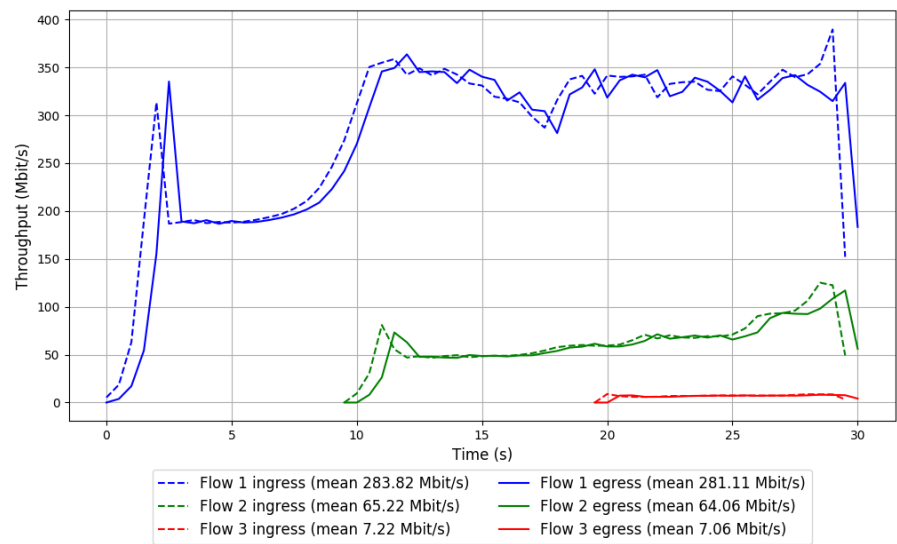


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-04 16:04:36
End at: 2018-07-04 16:05:06
Local clock offset: -0.167 ms
Remote clock offset: -0.338 ms

# Below is generated by plot.py at 2018-07-04 22:18:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 326.33 Mbit/s
95th percentile per-packet one-way delay: 110.225 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 281.11 Mbit/s
95th percentile per-packet one-way delay: 106.426 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 64.06 Mbit/s
95th percentile per-packet one-way delay: 154.823 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 170.830 ms
Loss rate: 2.20%
```


Run 1: Report of PCC-Expr — Data Link

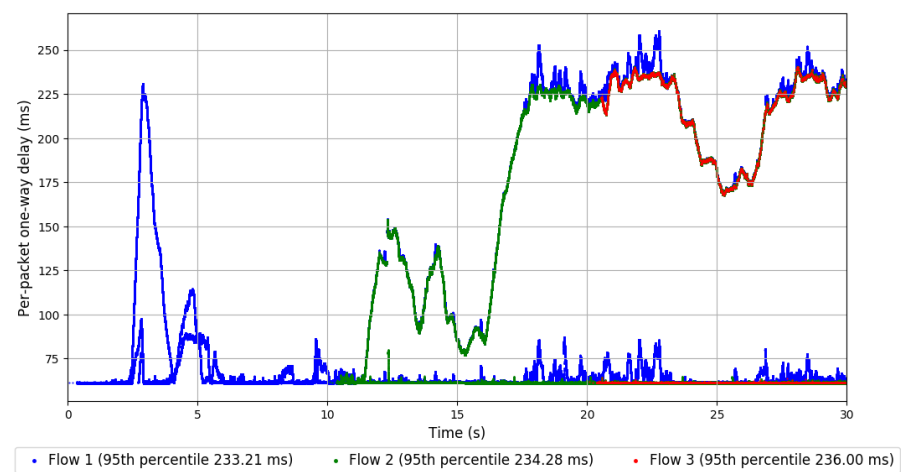
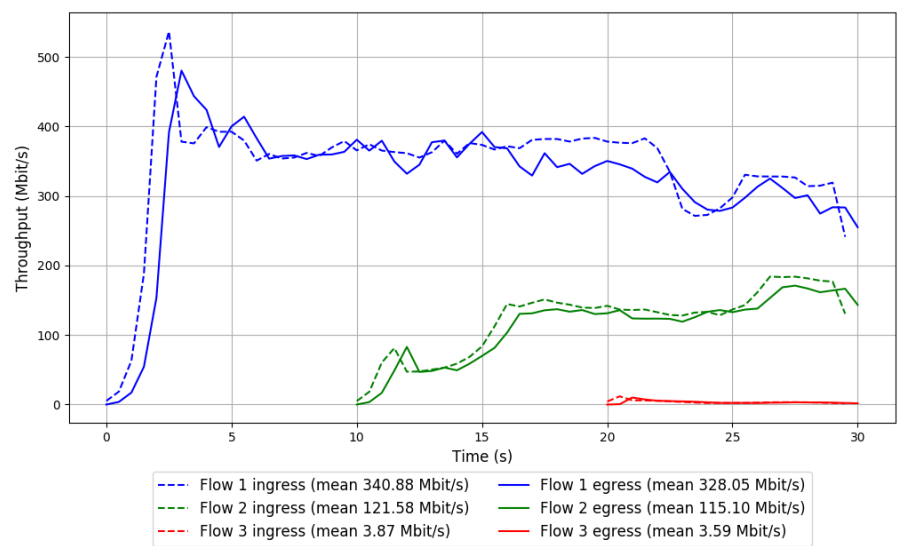


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-04 16:28:47
End at: 2018-07-04 16:29:17
Local clock offset: -0.205 ms
Remote clock offset: 0.179 ms

# Below is generated by plot.py at 2018-07-04 22:24:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 405.73 Mbit/s
95th percentile per-packet one-way delay: 233.630 ms
Loss rate: 4.07%
-- Flow 1:
Average throughput: 328.05 Mbit/s
95th percentile per-packet one-way delay: 233.209 ms
Loss rate: 3.76%
-- Flow 2:
Average throughput: 115.10 Mbit/s
95th percentile per-packet one-way delay: 234.281 ms
Loss rate: 5.33%
-- Flow 3:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 235.997 ms
Loss rate: 7.25%
```

Run 2: Report of PCC-Expr — Data Link

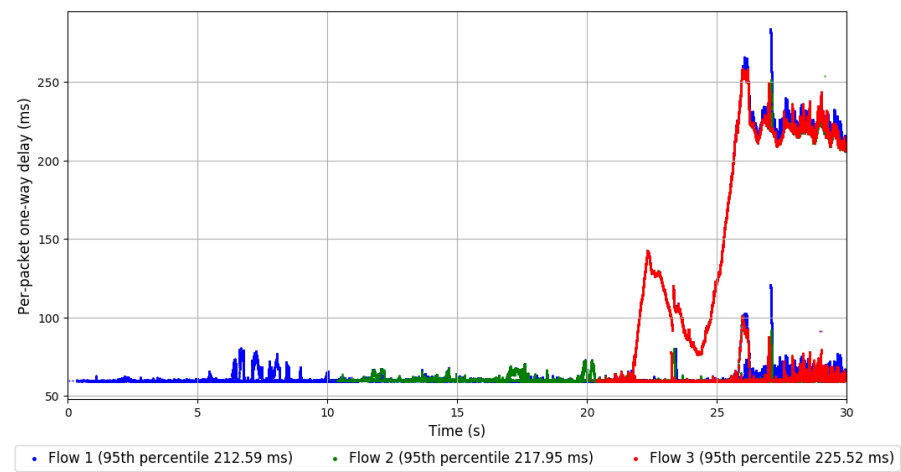
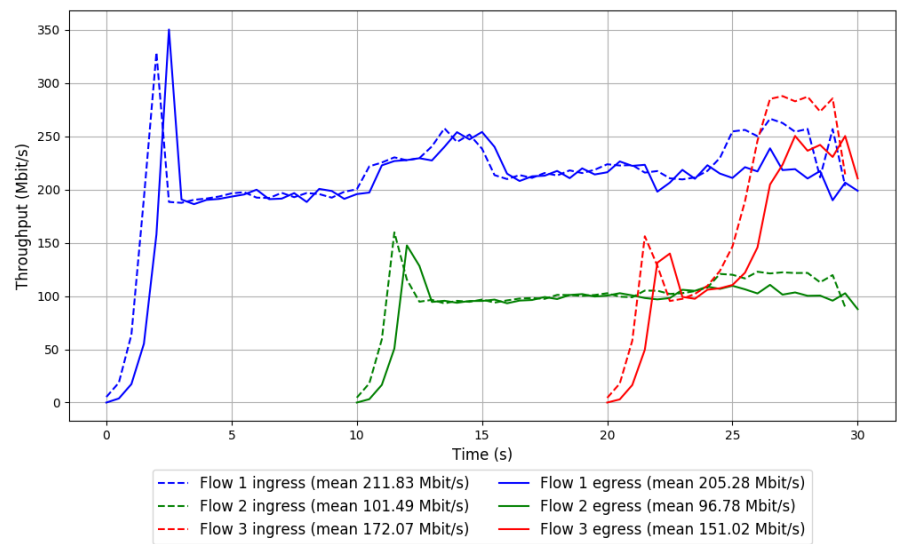


Run 3: Statistics of PCC-Expr

Start at: 2018-07-04 16:53:36
End at: 2018-07-04 16:54:06
Local clock offset: -0.136 ms
Remote clock offset: -1.312 ms

Below is generated by plot.py at 2018-07-04 22:24:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 319.39 Mbit/s
95th percentile per-packet one-way delay: 219.461 ms
Loss rate: 4.94%
-- Flow 1:
Average throughput: 205.28 Mbit/s
95th percentile per-packet one-way delay: 212.594 ms
Loss rate: 3.09%
-- Flow 2:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 217.951 ms
Loss rate: 4.64%
-- Flow 3:
Average throughput: 151.02 Mbit/s
95th percentile per-packet one-way delay: 225.518 ms
Loss rate: 12.22%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-04 17:18:23

End at: 2018-07-04 17:18:53

Local clock offset: -0.106 ms

Remote clock offset: 1.452 ms

Below is generated by plot.py at 2018-07-04 22:24:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 239.92 Mbit/s

95th percentile per-packet one-way delay: 244.010 ms

Loss rate: 1.31%

-- Flow 1:

Average throughput: 91.18 Mbit/s

95th percentile per-packet one-way delay: 243.487 ms

Loss rate: 1.16%

-- Flow 2:

Average throughput: 214.78 Mbit/s

95th percentile per-packet one-way delay: 244.116 ms

Loss rate: 1.40%

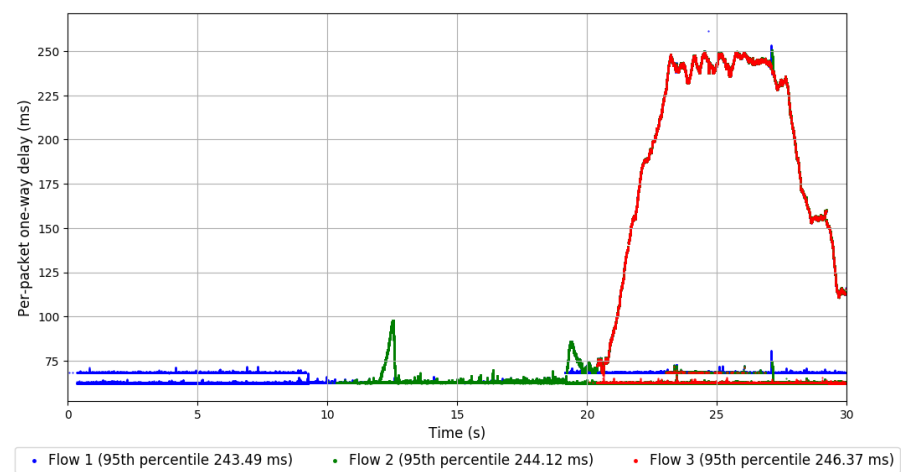
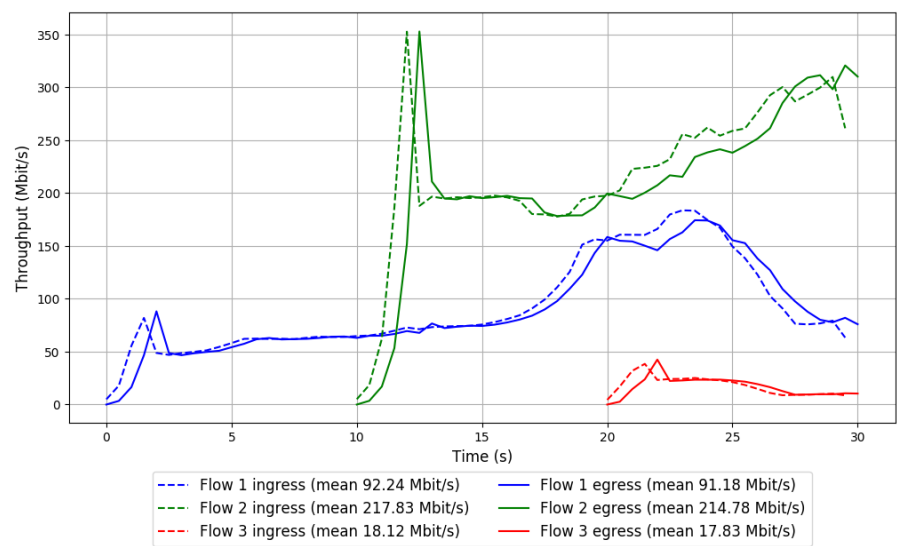
-- Flow 3:

Average throughput: 17.83 Mbit/s

95th percentile per-packet one-way delay: 246.369 ms

Loss rate: 1.57%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-04 17:42:41

End at: 2018-07-04 17:43:11

Local clock offset: -0.147 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-04 22:24:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 305.06 Mbit/s

95th percentile per-packet one-way delay: 217.159 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 262.53 Mbit/s

95th percentile per-packet one-way delay: 215.145 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 59.28 Mbit/s

95th percentile per-packet one-way delay: 222.580 ms

Loss rate: 0.52%

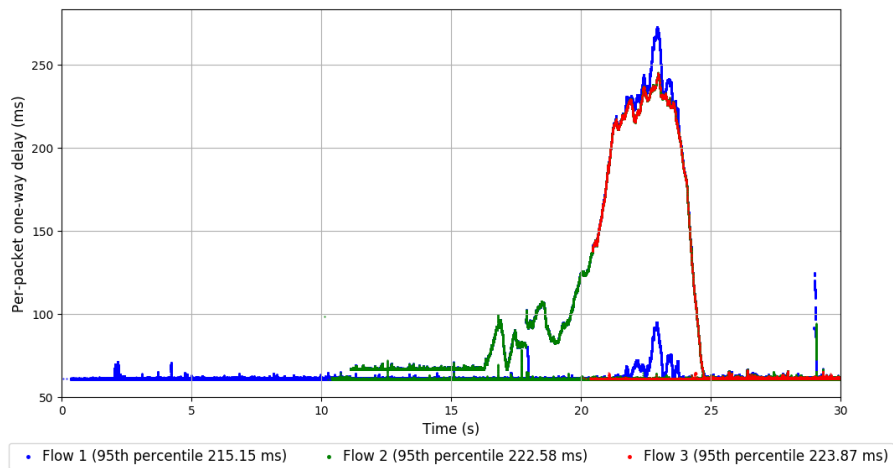
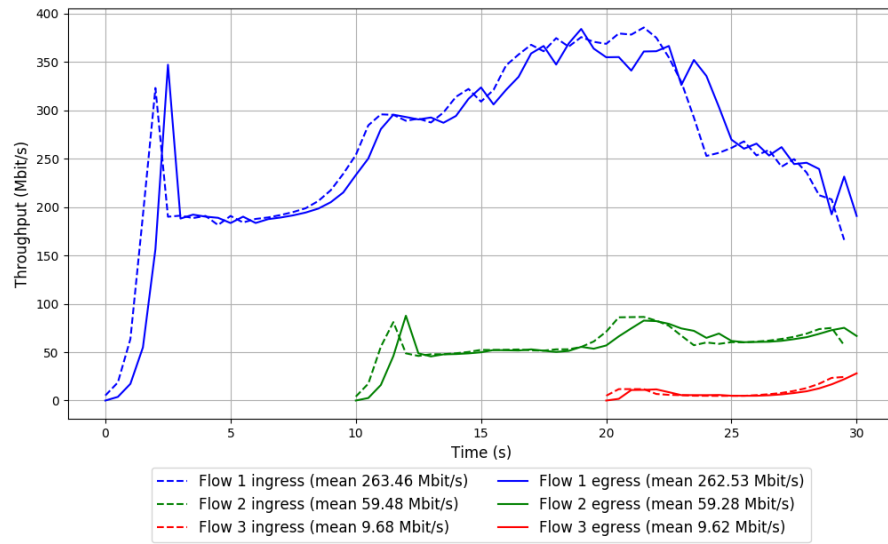
-- Flow 3:

Average throughput: 9.62 Mbit/s

95th percentile per-packet one-way delay: 223.867 ms

Loss rate: 0.64%

Run 5: Report of PCC-Expr — Data Link

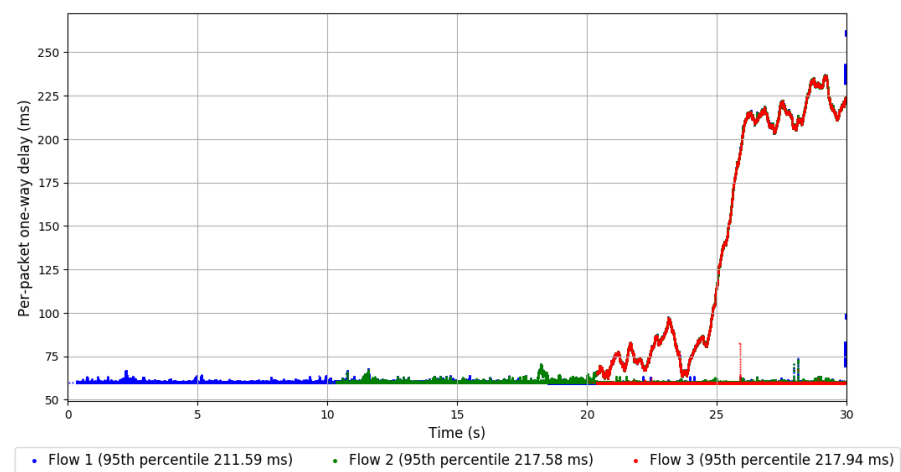
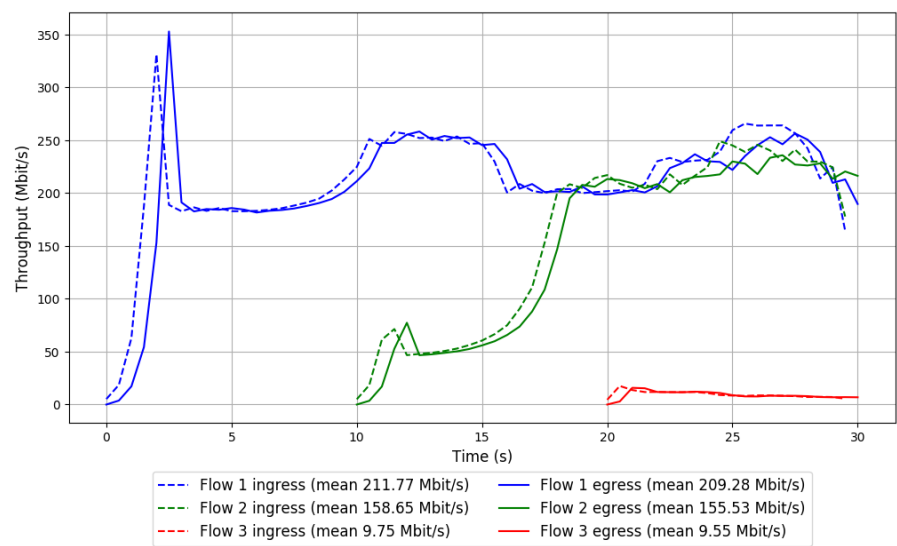


Run 6: Statistics of PCC-Expr

Start at: 2018-07-04 18:07:14
End at: 2018-07-04 18:07:44
Local clock offset: -0.184 ms
Remote clock offset: -1.288 ms

Below is generated by plot.py at 2018-07-04 22:24:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 315.94 Mbit/s
95th percentile per-packet one-way delay: 214.530 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 209.28 Mbit/s
95th percentile per-packet one-way delay: 211.592 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 155.53 Mbit/s
95th percentile per-packet one-way delay: 217.578 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 9.55 Mbit/s
95th percentile per-packet one-way delay: 217.937 ms
Loss rate: 1.67%

Run 6: Report of PCC-Expr — Data Link

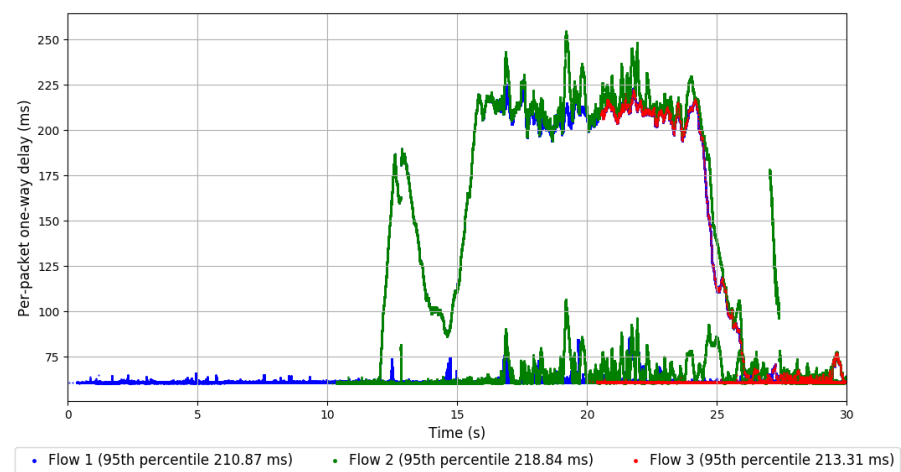
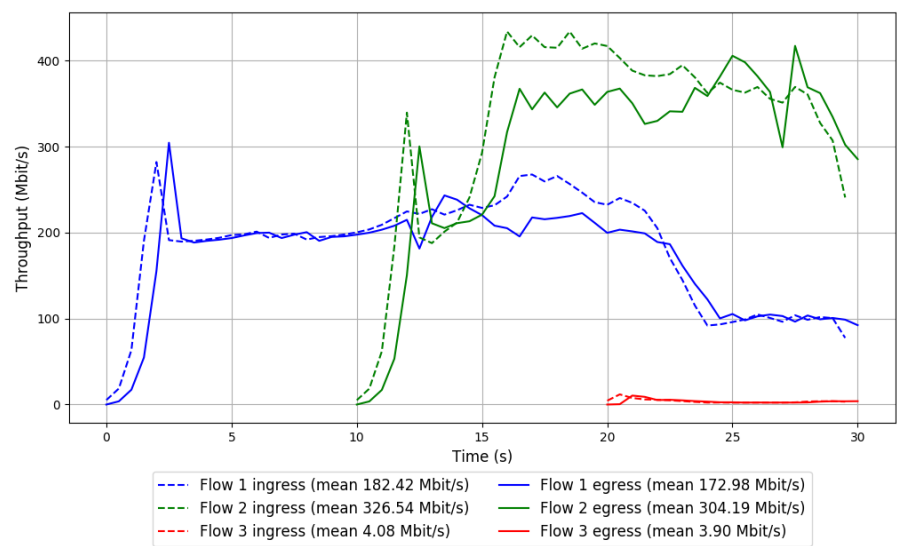


Run 7: Statistics of PCC-Expr

Start at: 2018-07-04 18:31:46
End at: 2018-07-04 18:32:16
Local clock offset: -0.062 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2018-07-04 22:28:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 376.58 Mbit/s
95th percentile per-packet one-way delay: 215.584 ms
Loss rate: 6.07%
-- Flow 1:
Average throughput: 172.98 Mbit/s
95th percentile per-packet one-way delay: 210.873 ms
Loss rate: 5.16%
-- Flow 2:
Average throughput: 304.19 Mbit/s
95th percentile per-packet one-way delay: 218.836 ms
Loss rate: 6.84%
-- Flow 3:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 213.310 ms
Loss rate: 4.26%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-04 18:56:37

End at: 2018-07-04 18:57:07

Local clock offset: -0.03 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2018-07-04 22:28:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 285.01 Mbit/s

95th percentile per-packet one-way delay: 74.628 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 188.78 Mbit/s

95th percentile per-packet one-way delay: 72.641 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 117.85 Mbit/s

95th percentile per-packet one-way delay: 77.405 ms

Loss rate: 0.00%

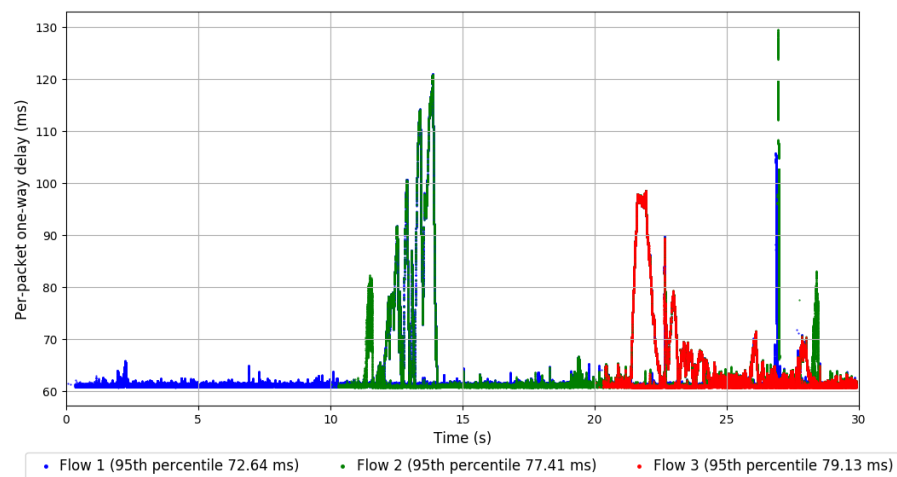
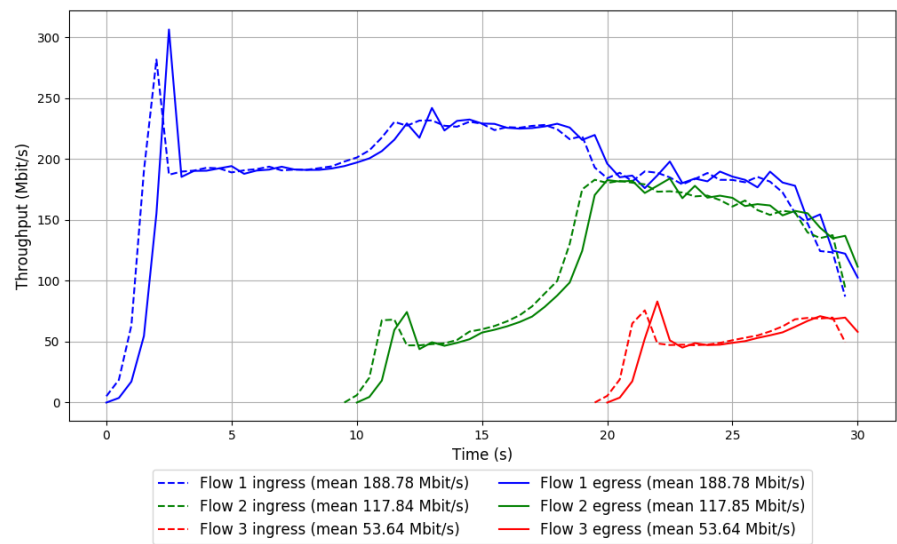
-- Flow 3:

Average throughput: 53.64 Mbit/s

95th percentile per-packet one-way delay: 79.132 ms

Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-04 19:20:46

End at: 2018-07-04 19:21:16

Local clock offset: 0.068 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-04 22:31:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 291.02 Mbit/s

95th percentile per-packet one-way delay: 97.845 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 241.80 Mbit/s

95th percentile per-packet one-way delay: 95.109 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 28.62 Mbit/s

95th percentile per-packet one-way delay: 109.480 ms

Loss rate: 0.00%

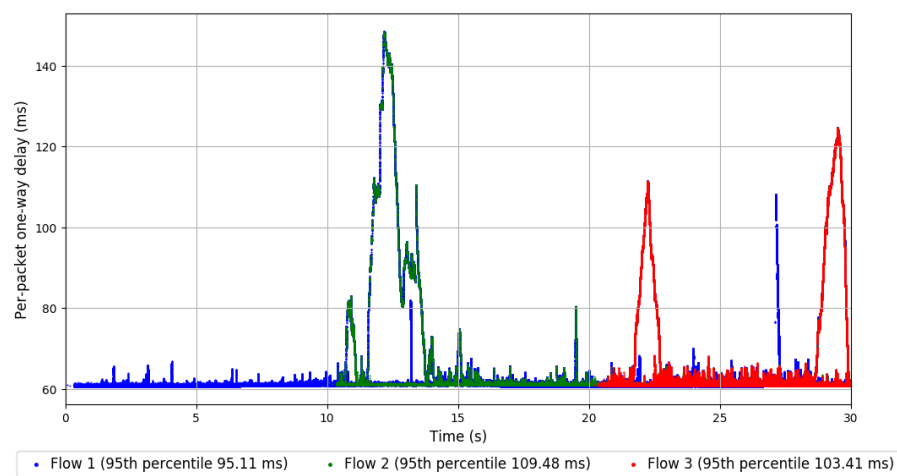
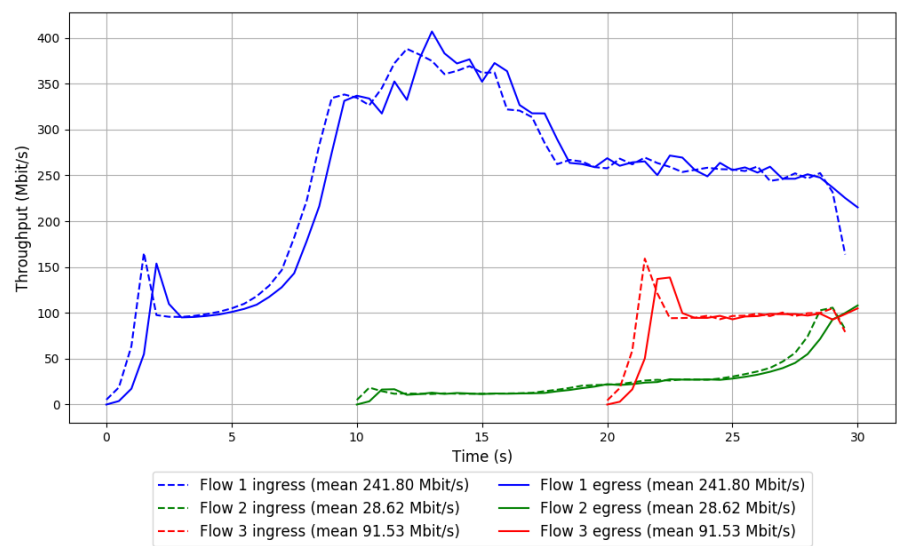
-- Flow 3:

Average throughput: 91.53 Mbit/s

95th percentile per-packet one-way delay: 103.405 ms

Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-04 19:45:22

End at: 2018-07-04 19:45:52

Local clock offset: -0.135 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-04 22:32:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 283.65 Mbit/s

95th percentile per-packet one-way delay: 75.730 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 204.14 Mbit/s

95th percentile per-packet one-way delay: 74.817 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 113.59 Mbit/s

95th percentile per-packet one-way delay: 78.805 ms

Loss rate: 0.00%

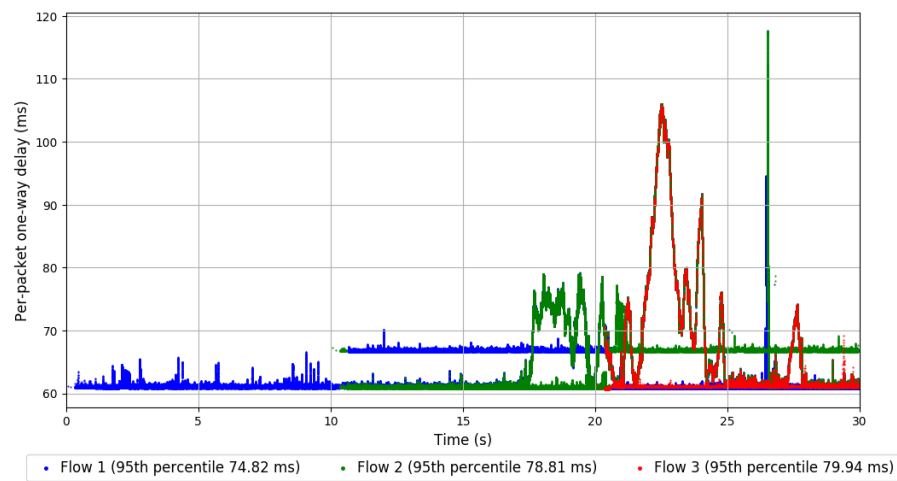
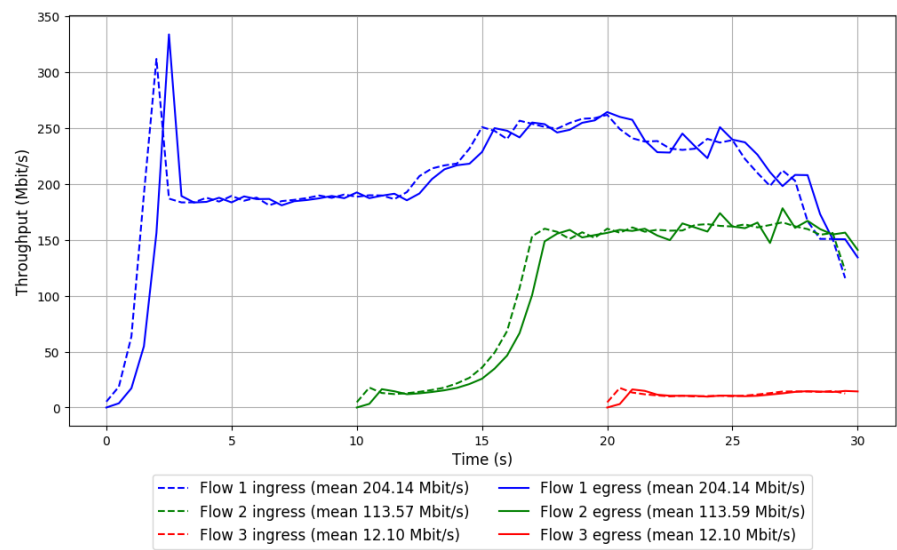
-- Flow 3:

Average throughput: 12.10 Mbit/s

95th percentile per-packet one-way delay: 79.938 ms

Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-04 16:25:54

End at: 2018-07-04 16:26:24

Local clock offset: -0.213 ms

Remote clock offset: 0.435 ms

Below is generated by plot.py at 2018-07-04 22:32:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.53 Mbit/s

95th percentile per-packet one-way delay: 61.490 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 61.554 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 62.011 ms

Loss rate: 0.00%

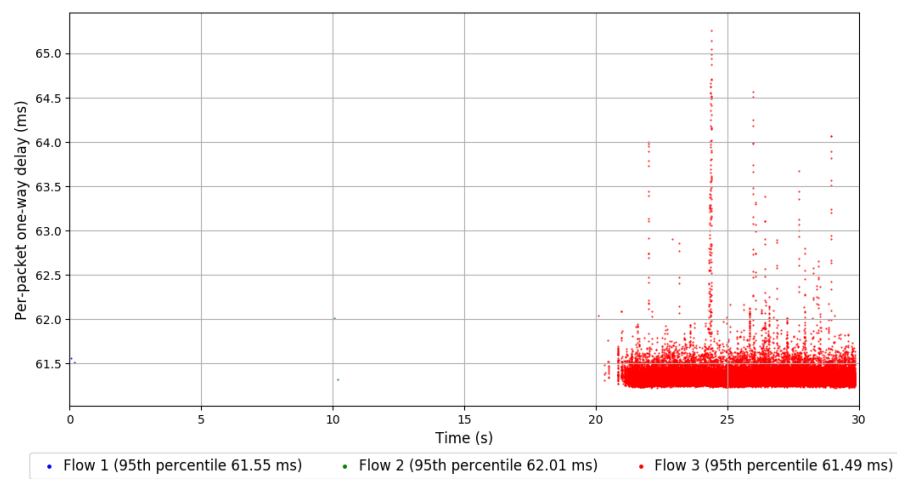
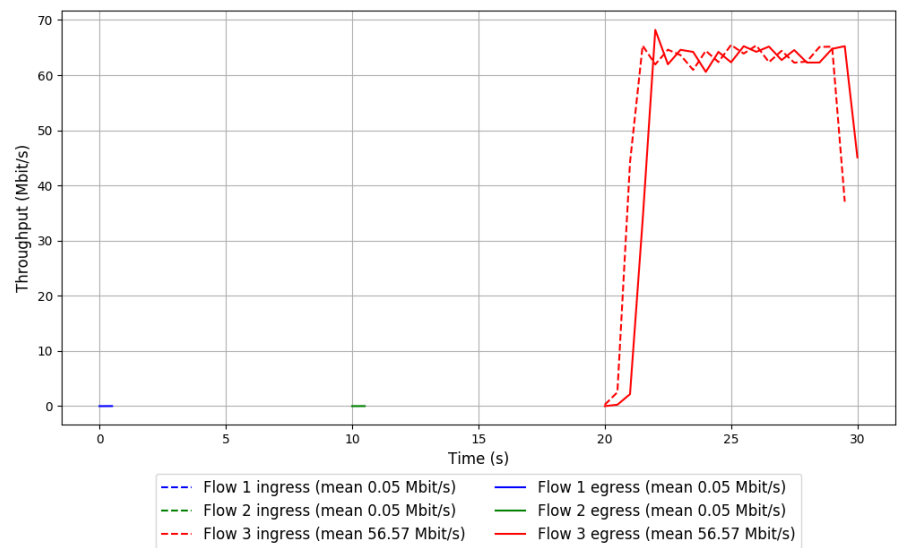
-- Flow 3:

Average throughput: 56.57 Mbit/s

95th percentile per-packet one-way delay: 61.490 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

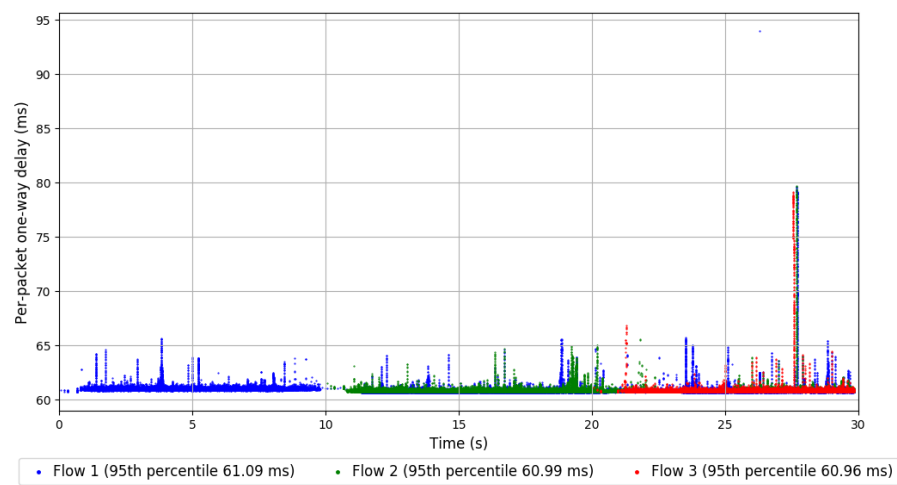
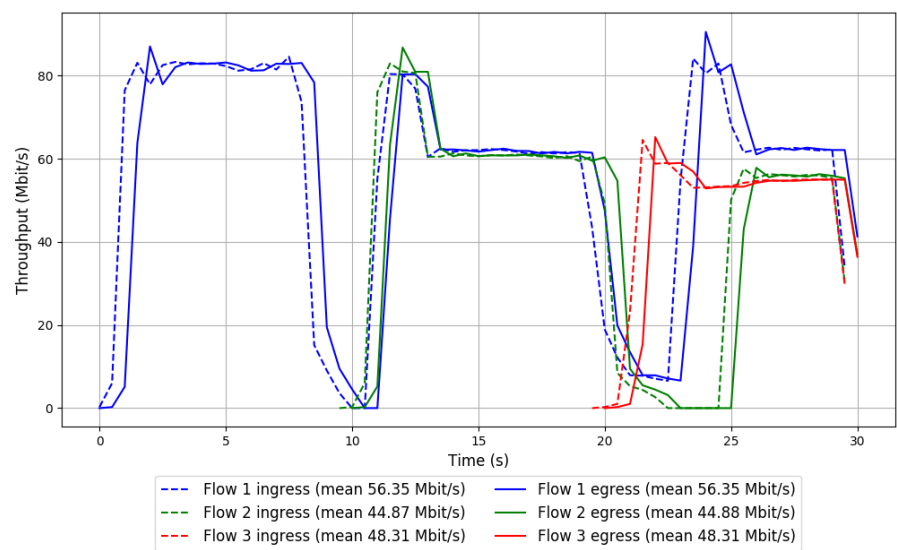


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-04 16:50:32
End at: 2018-07-04 16:51:02
Local clock offset: -0.097 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-04 22:32:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 102.02 Mbit/s
95th percentile per-packet one-way delay: 61.053 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.35 Mbit/s
95th percentile per-packet one-way delay: 61.085 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.88 Mbit/s
95th percentile per-packet one-way delay: 60.988 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.31 Mbit/s
95th percentile per-packet one-way delay: 60.956 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

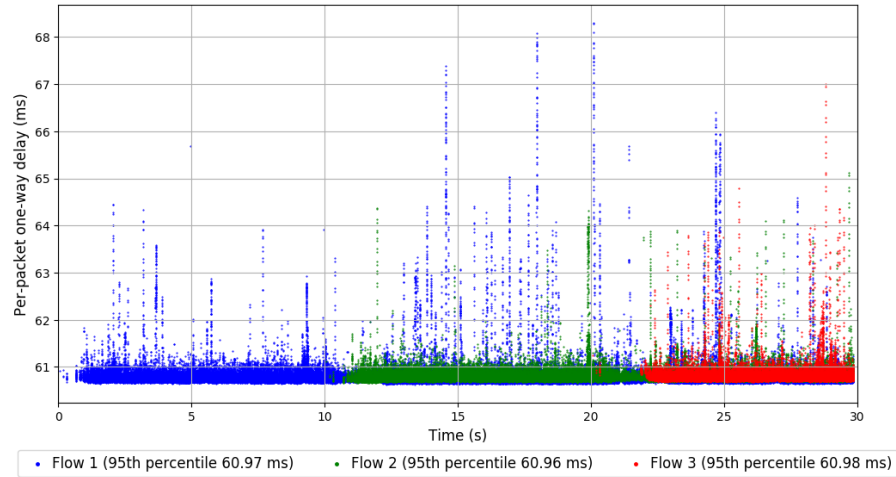
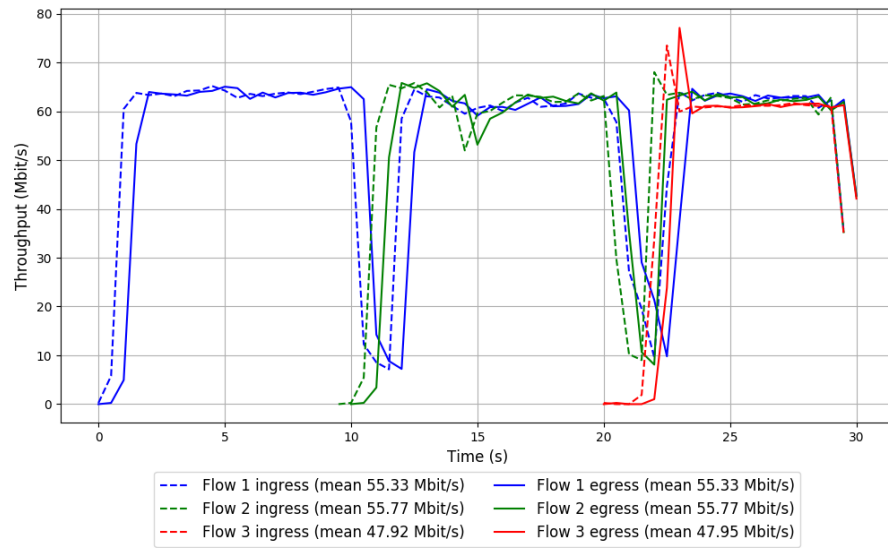


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-04 17:15:20
End at: 2018-07-04 17:15:50
Local clock offset: -0.008 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-04 22:32:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 108.12 Mbit/s
95th percentile per-packet one-way delay: 60.967 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.33 Mbit/s
95th percentile per-packet one-way delay: 60.972 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 55.77 Mbit/s
95th percentile per-packet one-way delay: 60.957 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.95 Mbit/s
95th percentile per-packet one-way delay: 60.983 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

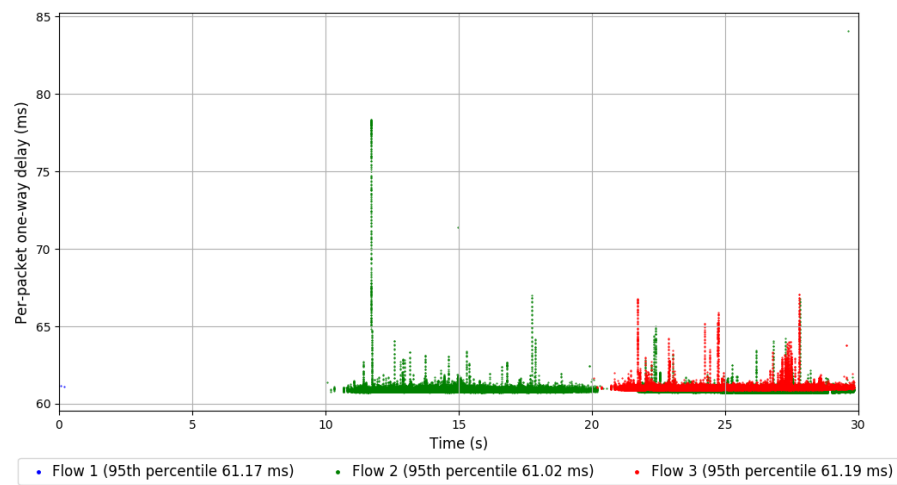
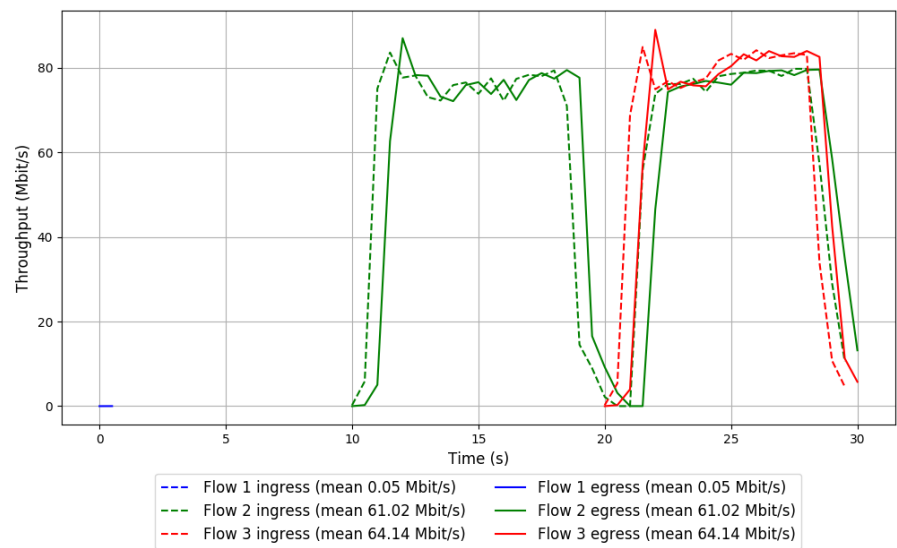


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-04 17:39:48
End at: 2018-07-04 17:40:18
Local clock offset: -0.153 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-07-04 22:32:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.54 Mbit/s
95th percentile per-packet one-way delay: 61.116 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 61.170 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.02 Mbit/s
95th percentile per-packet one-way delay: 61.025 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.14 Mbit/s
95th percentile per-packet one-way delay: 61.190 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

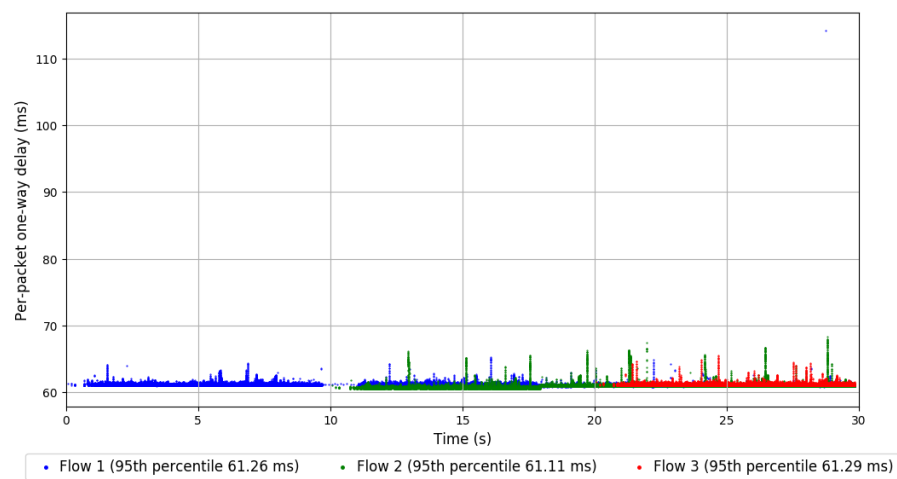
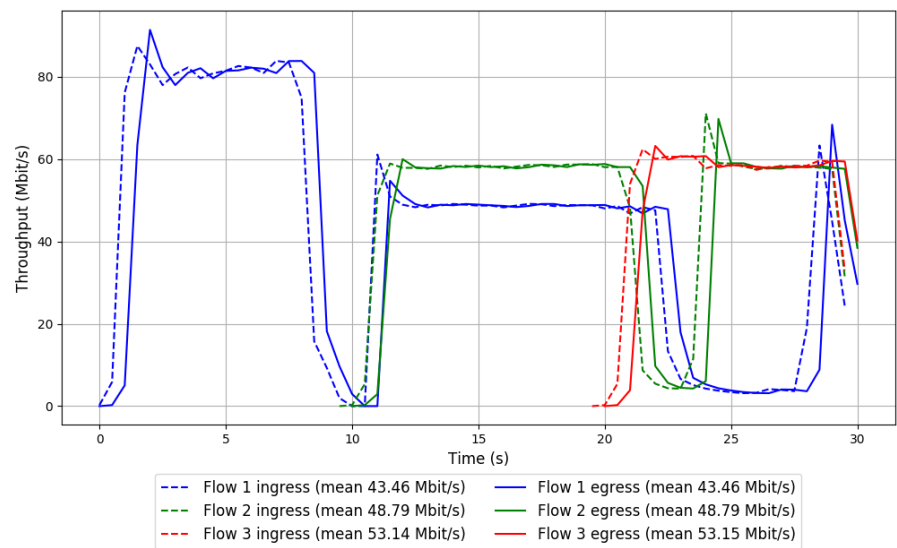


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-04 18:04:15
End at: 2018-07-04 18:04:45
Local clock offset: -0.15 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-07-04 22:32:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.33 Mbit/s
95th percentile per-packet one-way delay: 61.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.46 Mbit/s
95th percentile per-packet one-way delay: 61.259 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 48.79 Mbit/s
95th percentile per-packet one-way delay: 61.109 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.15 Mbit/s
95th percentile per-packet one-way delay: 61.286 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-04 18:28:50

End at: 2018-07-04 18:29:20

Local clock offset: -0.072 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-07-04 22:32:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.57 Mbit/s

95th percentile per-packet one-way delay: 61.324 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 41.18 Mbit/s

95th percentile per-packet one-way delay: 61.397 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 59.23 Mbit/s

95th percentile per-packet one-way delay: 61.190 ms

Loss rate: 0.00%

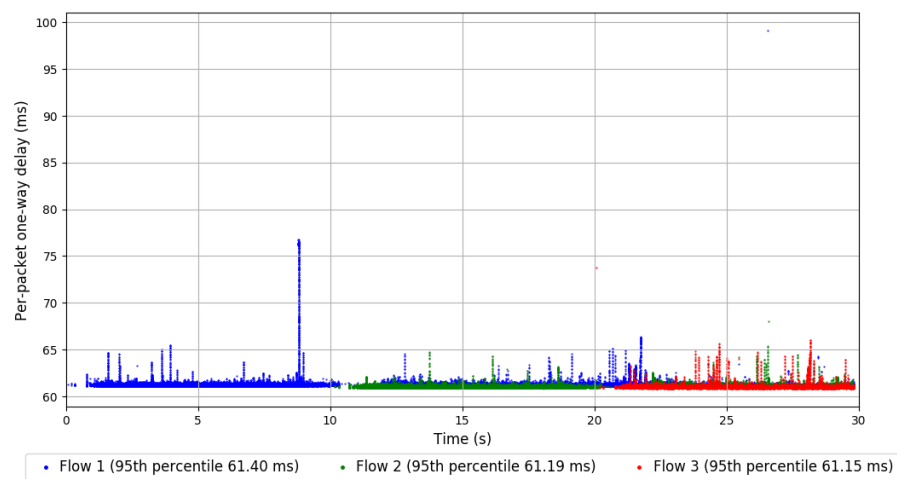
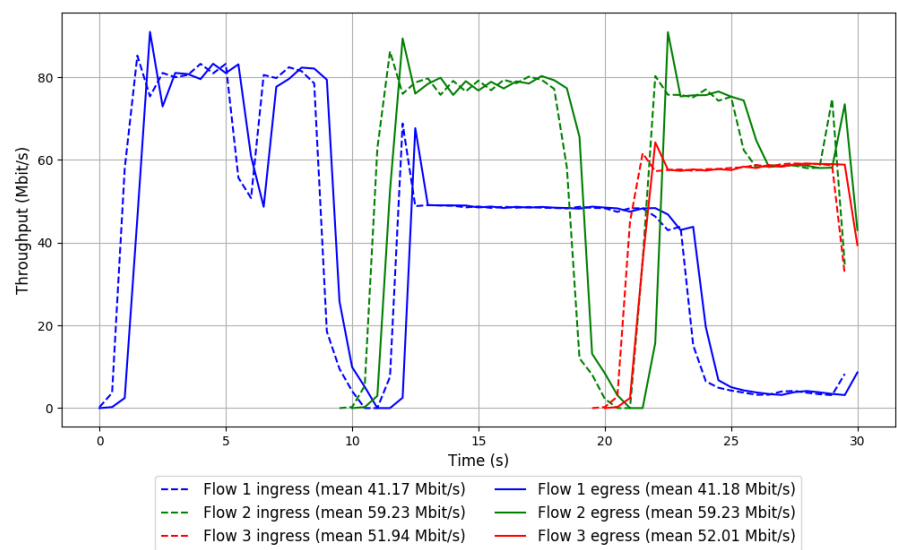
-- Flow 3:

Average throughput: 52.01 Mbit/s

95th percentile per-packet one-way delay: 61.147 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-04 18:53:34

End at: 2018-07-04 18:54:04

Local clock offset: -0.04 ms

Remote clock offset: 1.321 ms

Below is generated by plot.py at 2018-07-04 22:32:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 104.75 Mbit/s

95th percentile per-packet one-way delay: 62.498 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 52.68 Mbit/s

95th percentile per-packet one-way delay: 62.496 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 51.70 Mbit/s

95th percentile per-packet one-way delay: 62.497 ms

Loss rate: 0.00%

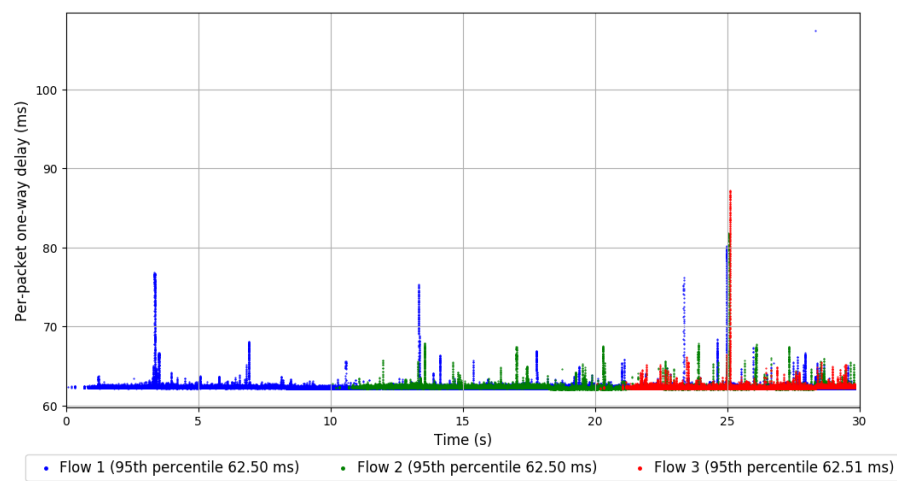
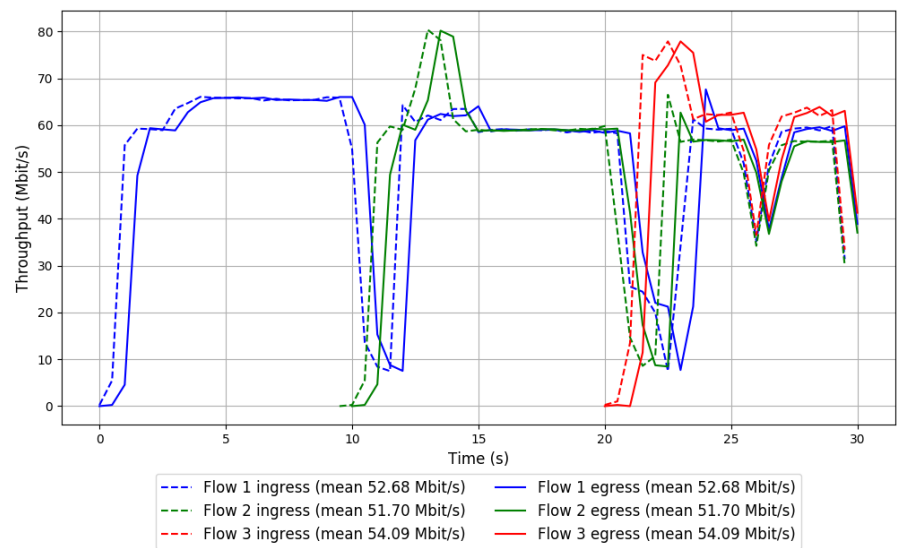
-- Flow 3:

Average throughput: 54.09 Mbit/s

95th percentile per-packet one-way delay: 62.506 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

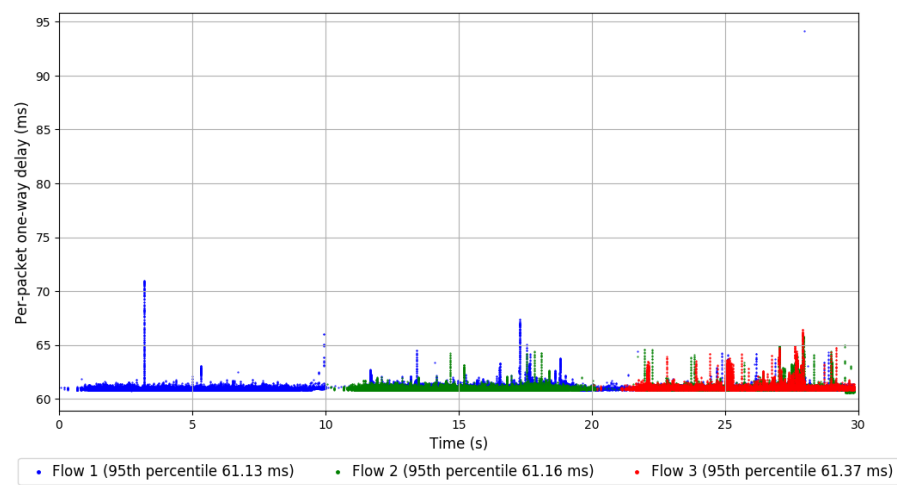
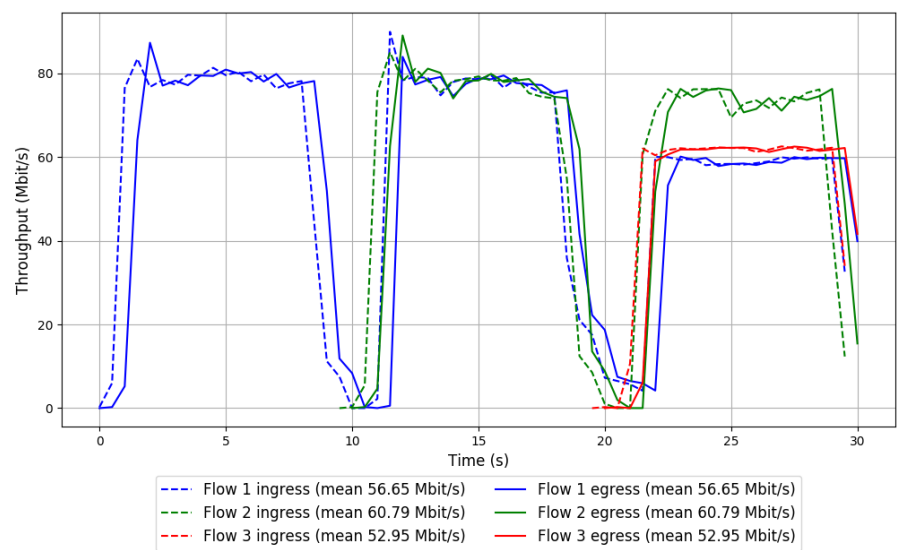


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-04 19:18:03
End at: 2018-07-04 19:18:33
Local clock offset: 0.066 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-04 22:32:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 114.42 Mbit/s
95th percentile per-packet one-way delay: 61.159 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.65 Mbit/s
95th percentile per-packet one-way delay: 61.134 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.79 Mbit/s
95th percentile per-packet one-way delay: 61.158 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.95 Mbit/s
95th percentile per-packet one-way delay: 61.371 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

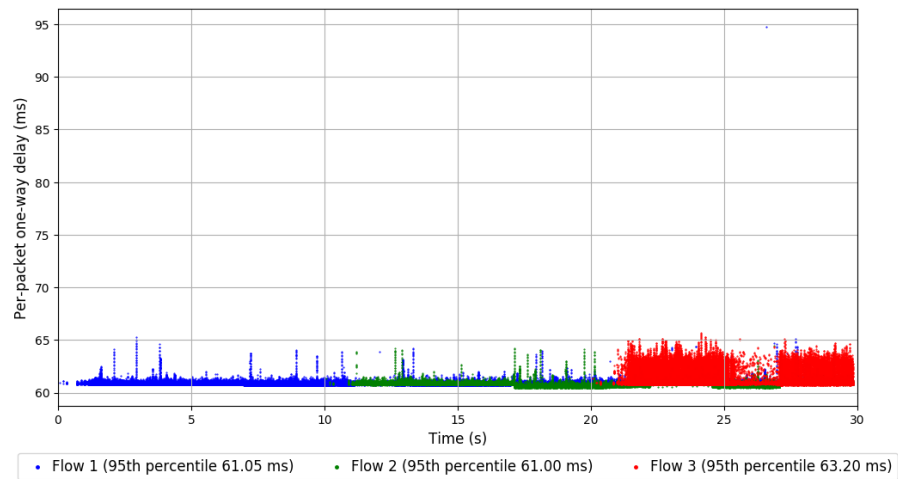
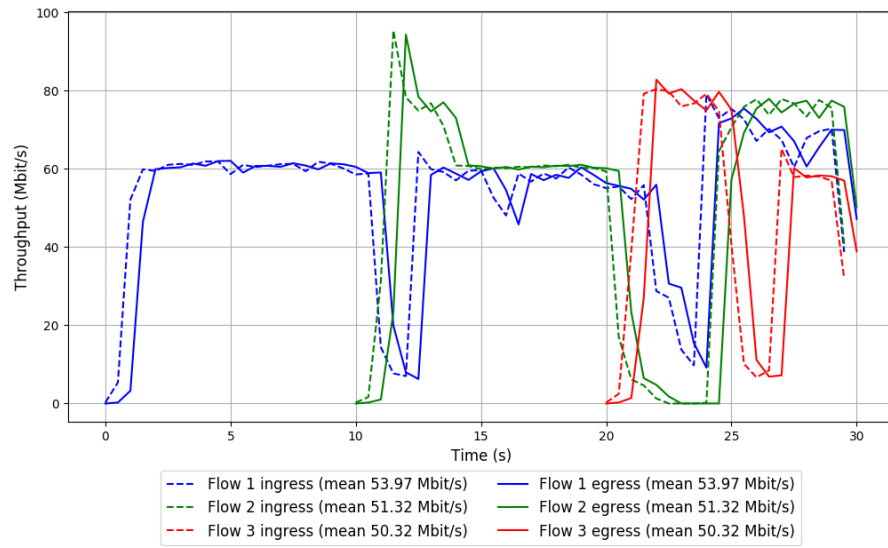


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-04 19:42:25
End at: 2018-07-04 19:42:55
Local clock offset: -0.061 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-07-04 22:32:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 104.53 Mbit/s
95th percentile per-packet one-way delay: 61.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.97 Mbit/s
95th percentile per-packet one-way delay: 61.049 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.32 Mbit/s
95th percentile per-packet one-way delay: 61.001 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 63.199 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

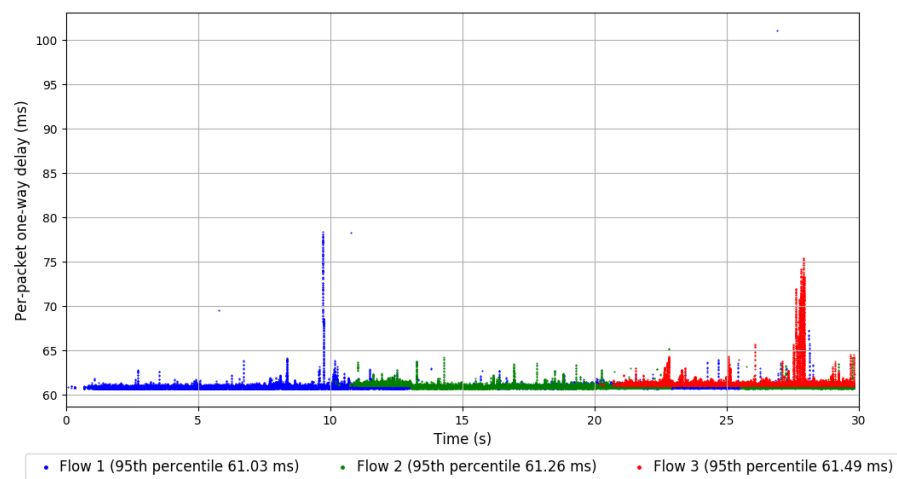
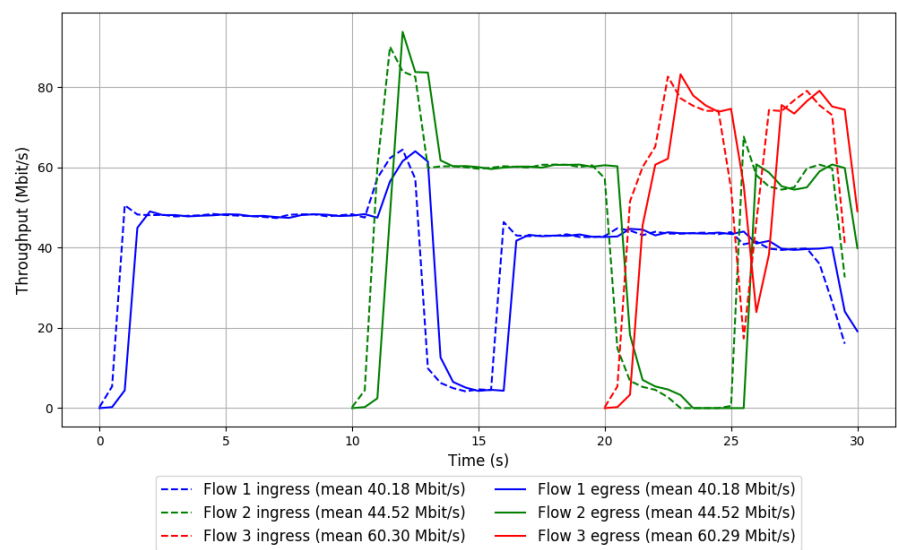


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-04 20:06:49
End at: 2018-07-04 20:07:19
Local clock offset: -0.084 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-04 22:32:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.52 Mbit/s
95th percentile per-packet one-way delay: 61.286 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.18 Mbit/s
95th percentile per-packet one-way delay: 61.035 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.52 Mbit/s
95th percentile per-packet one-way delay: 61.255 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 60.29 Mbit/s
95th percentile per-packet one-way delay: 61.488 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

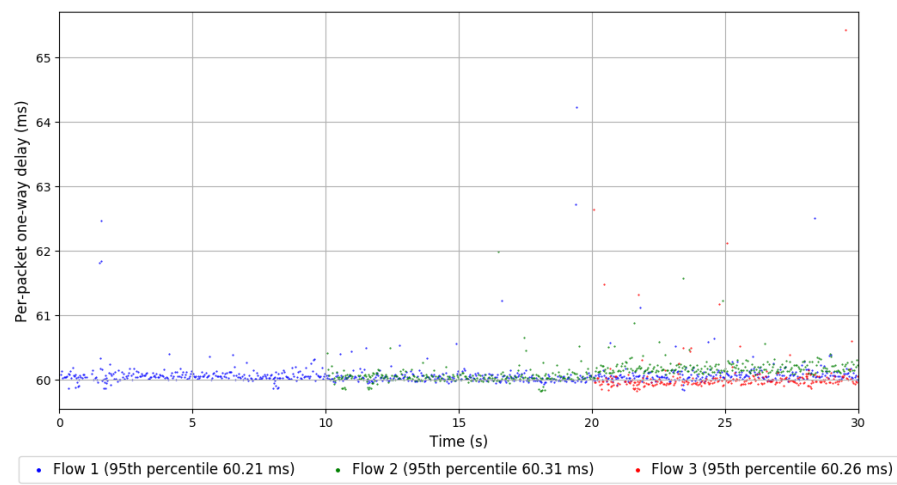
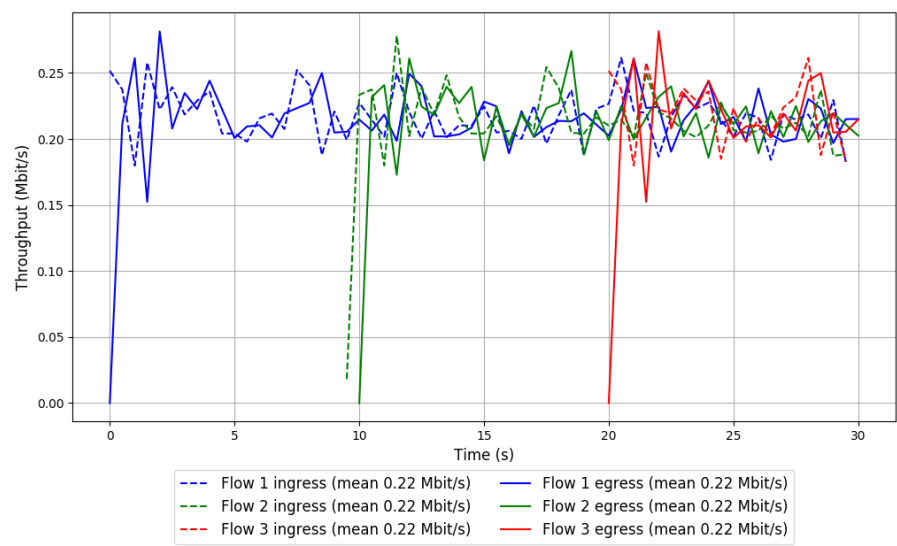


```
Run 1: Statistics of SReAM

Start at: 2018-07-04 16:12:02
End at: 2018-07-04 16:12:32
Local clock offset: -0.203 ms
Remote clock offset: -1.177 ms

# Below is generated by plot.py at 2018-07-04 22:32:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 60.281 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.208 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.306 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.255 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

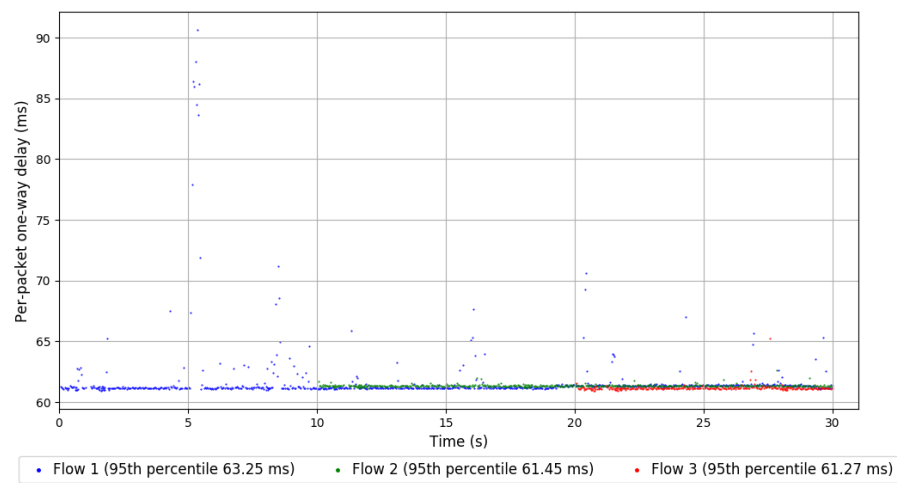
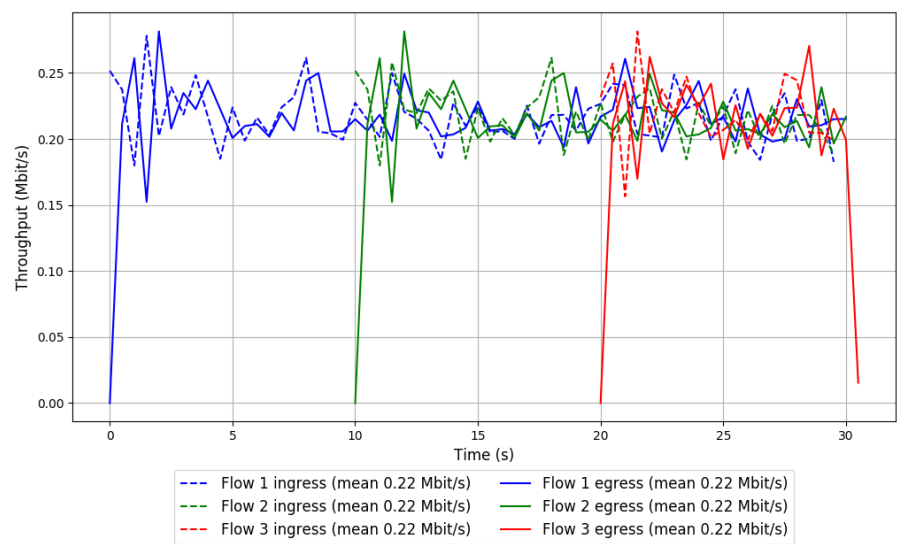


```
Run 2: Statistics of SReAM

Start at: 2018-07-04 16:36:23
End at: 2018-07-04 16:36:53
Local clock offset: -0.221 ms
Remote clock offset: 0.121 ms

# Below is generated by plot.py at 2018-07-04 22:32:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.806 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.254 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.445 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.275 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link

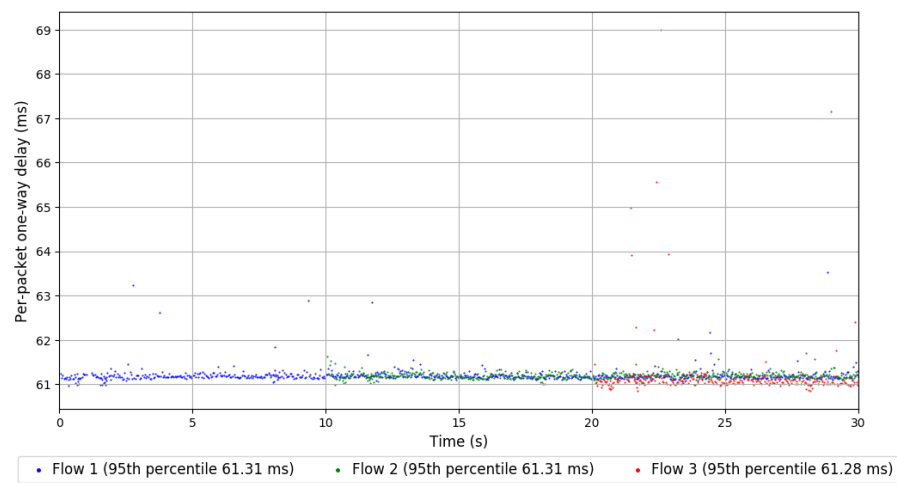
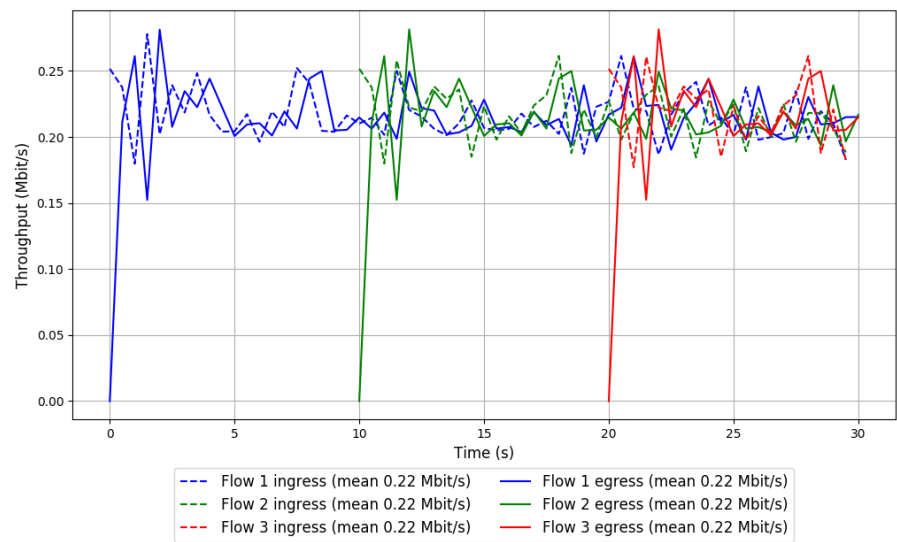


Run 3: Statistics of SReAM

Start at: 2018-07-04 17:01:09
End at: 2018-07-04 17:01:39
Local clock offset: -0.073 ms
Remote clock offset: 0.13 ms

Below is generated by plot.py at 2018-07-04 22:32:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.312 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.313 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.310 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.284 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-07-04 17:25:50

End at: 2018-07-04 17:26:20

Local clock offset: -0.159 ms

Remote clock offset: 0.127 ms

Below is generated by plot.py at 2018-07-04 22:32:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 61.549 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.370 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.517 ms

Loss rate: 0.00%

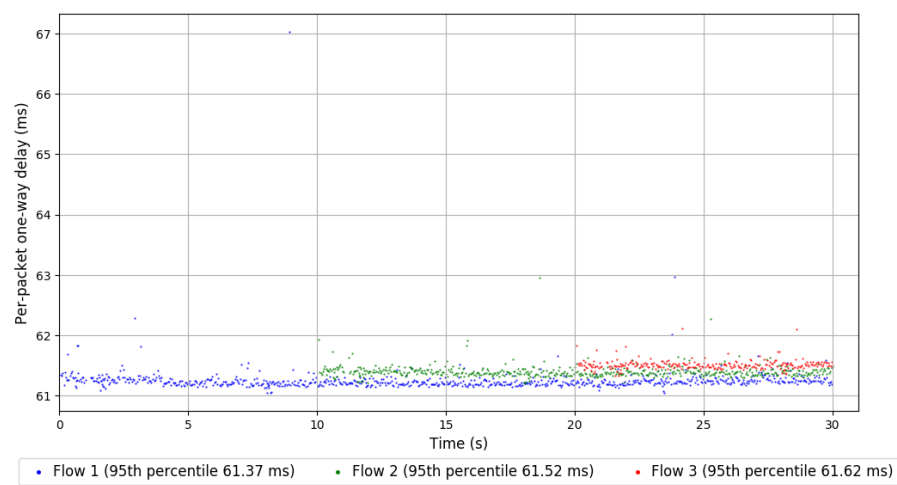
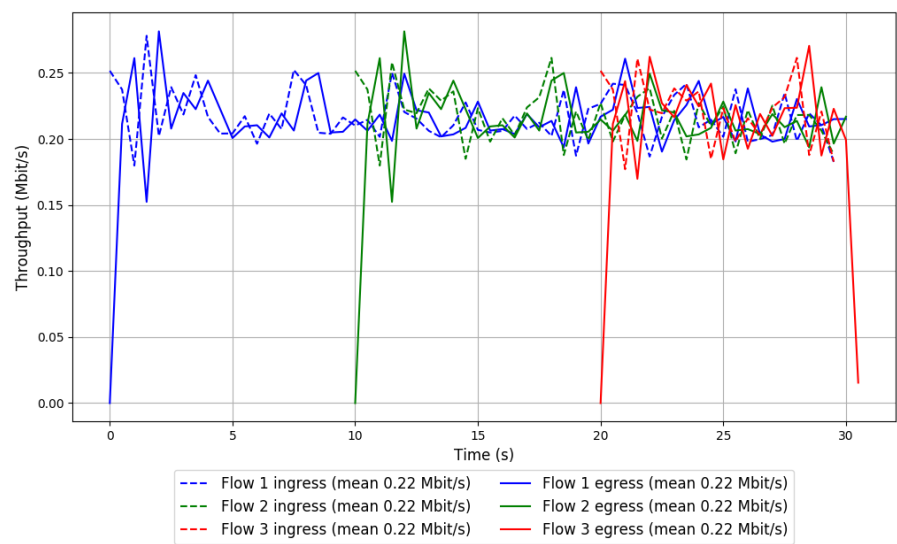
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.618 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

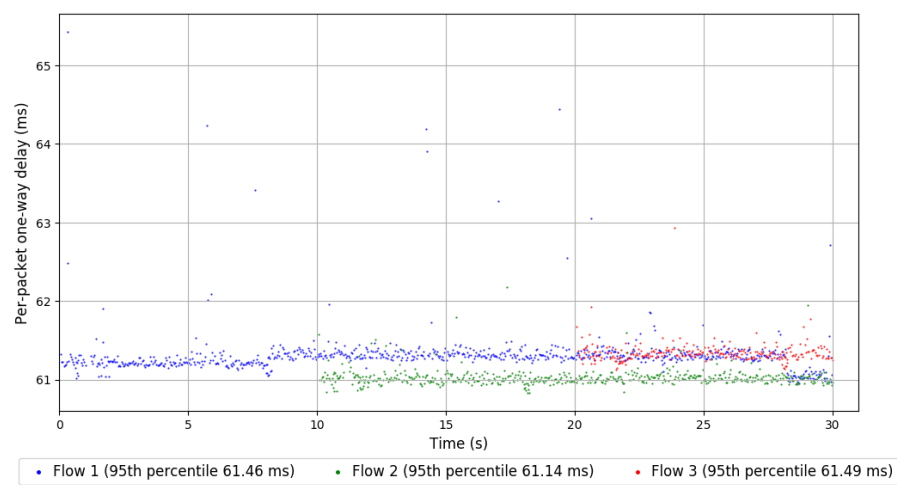
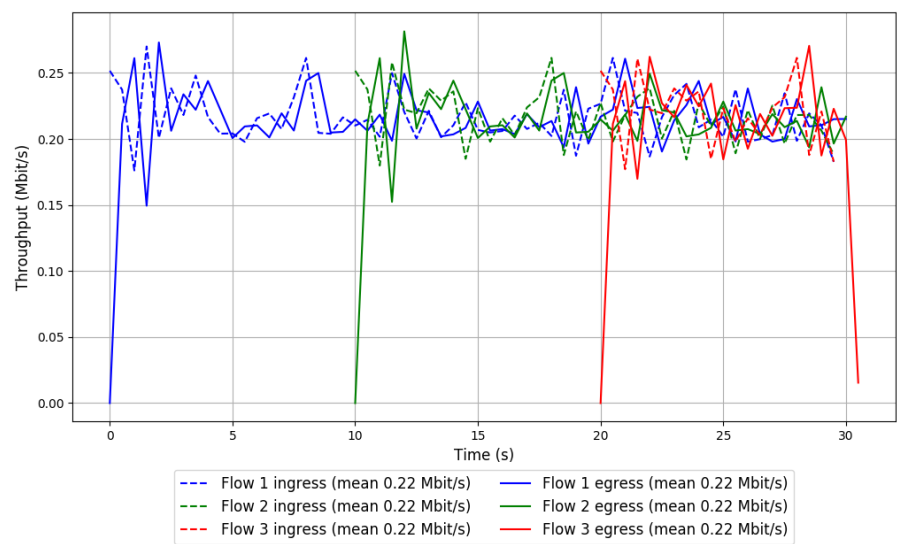


Run 5: Statistics of SReAM

Start at: 2018-07-04 17:50:14
End at: 2018-07-04 17:50:44
Local clock offset: -0.154 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-04 22:32:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.439 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.464 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.142 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.489 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

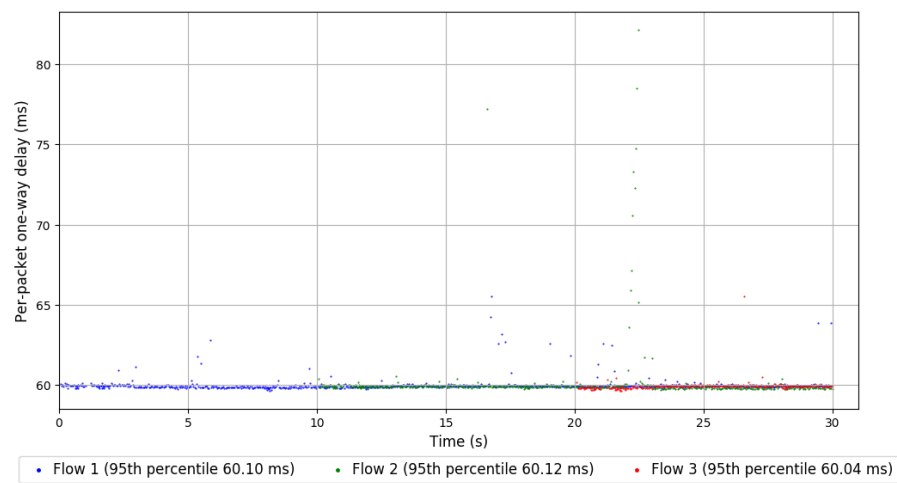
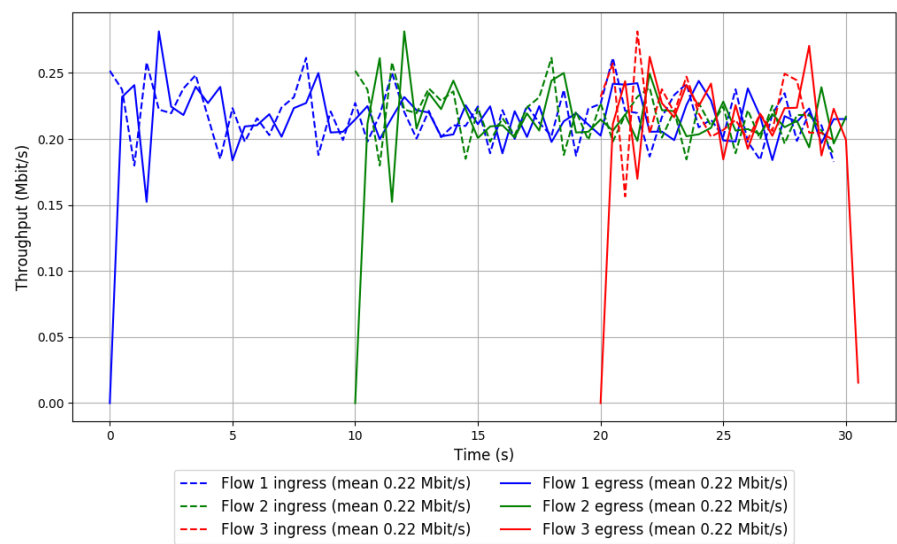


Run 6: Statistics of SReAM

Start at: 2018-07-04 18:14:50
End at: 2018-07-04 18:15:20
Local clock offset: -0.131 ms
Remote clock offset: -1.232 ms

Below is generated by plot.py at 2018-07-04 22:32:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 60.087 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.101 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.118 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.038 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-07-04 18:39:23

End at: 2018-07-04 18:39:53

Local clock offset: -0.04 ms

Remote clock offset: 0.289 ms

Below is generated by plot.py at 2018-07-04 22:32:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 61.604 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.404 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.664 ms

Loss rate: 0.00%

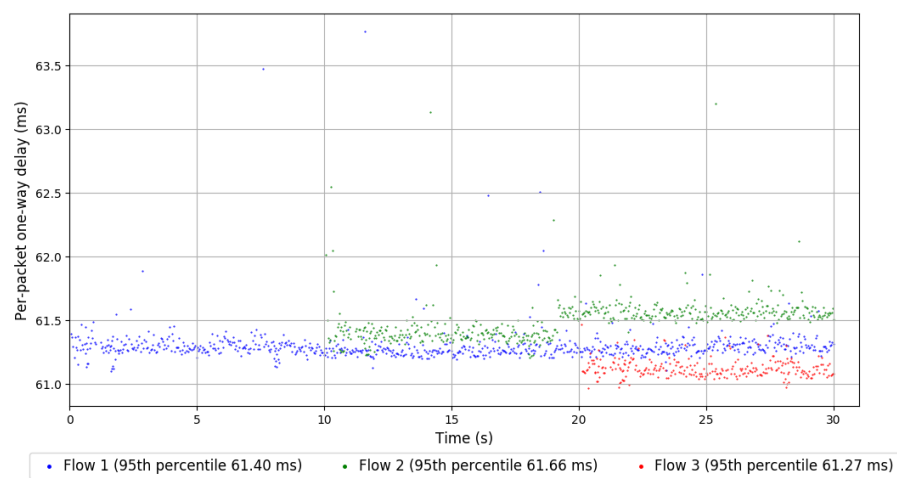
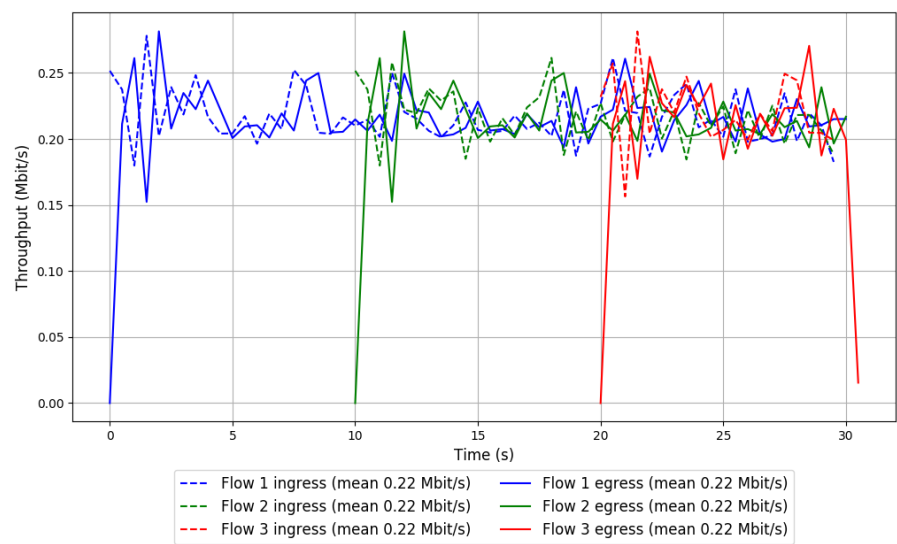
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.267 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

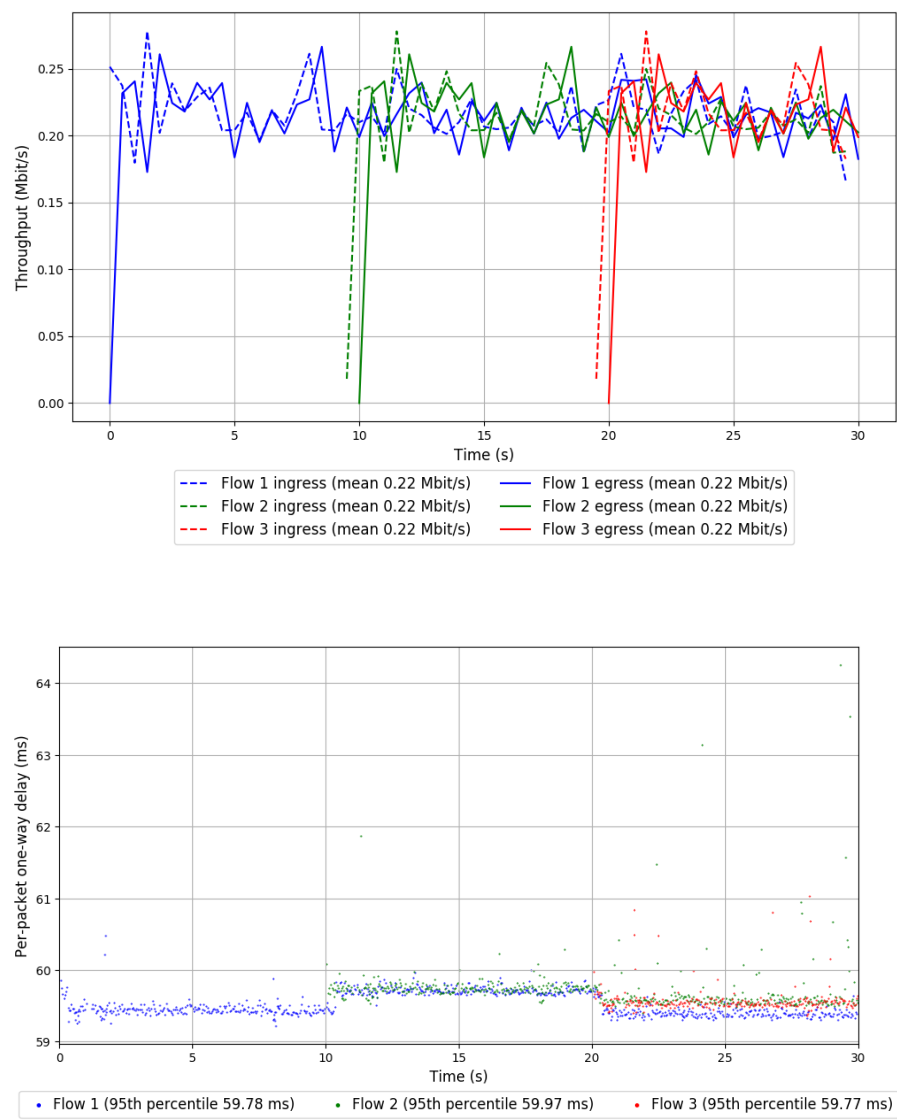


Run 8: Statistics of SReAM

Start at: 2018-07-04 19:04:02
End at: 2018-07-04 19:04:32
Local clock offset: 0.046 ms
Remote clock offset: -1.442 ms

Below is generated by plot.py at 2018-07-04 22:32:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 59.825 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.783 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.971 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.772 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-07-04 19:28:16

End at: 2018-07-04 19:28:46

Local clock offset: -0.02 ms

Remote clock offset: 0.378 ms

Below is generated by plot.py at 2018-07-04 22:32:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 61.693 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.681 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 61.708 ms

Loss rate: 0.40%

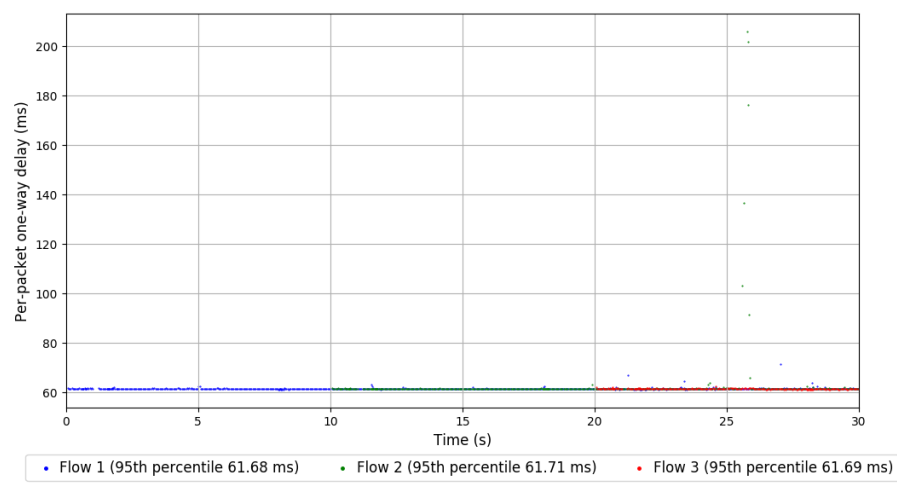
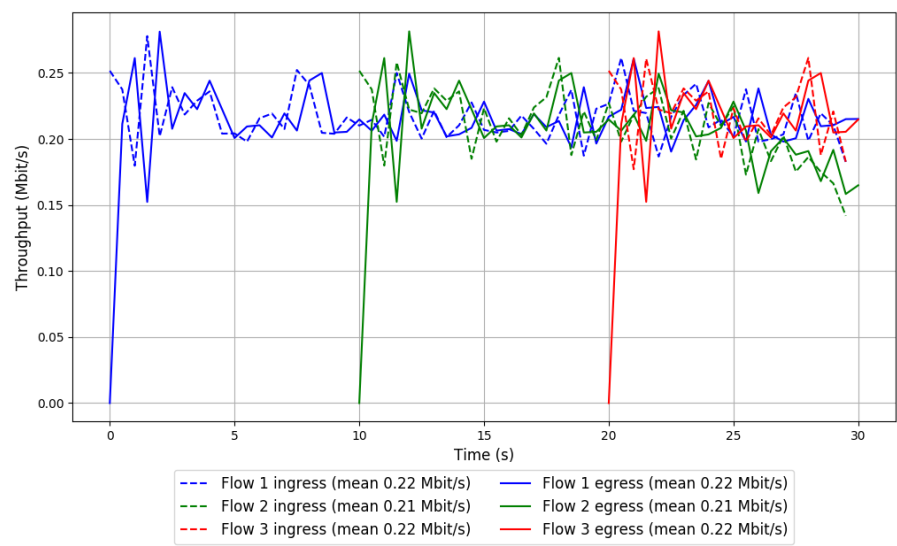
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.693 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-04 19:52:57

End at: 2018-07-04 19:53:27

Local clock offset: -0.093 ms

Remote clock offset: 1.283 ms

Below is generated by plot.py at 2018-07-04 22:32:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 62.697 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.484 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.517 ms

Loss rate: 0.00%

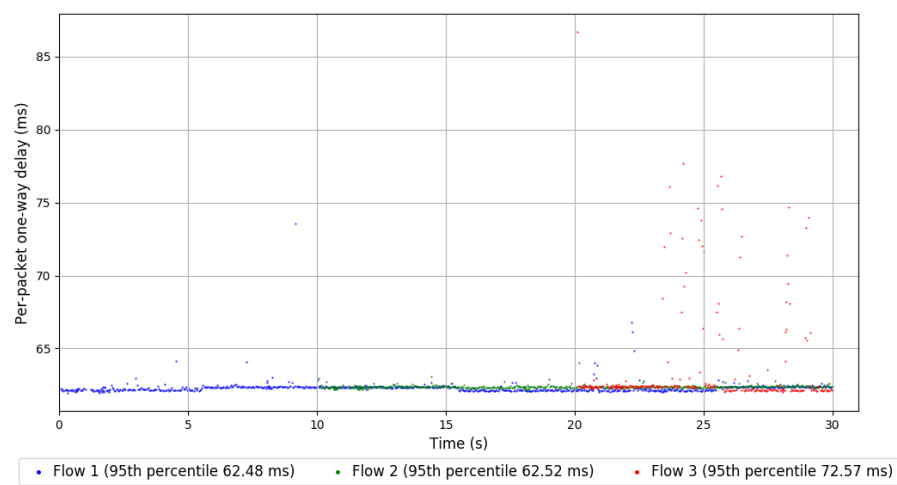
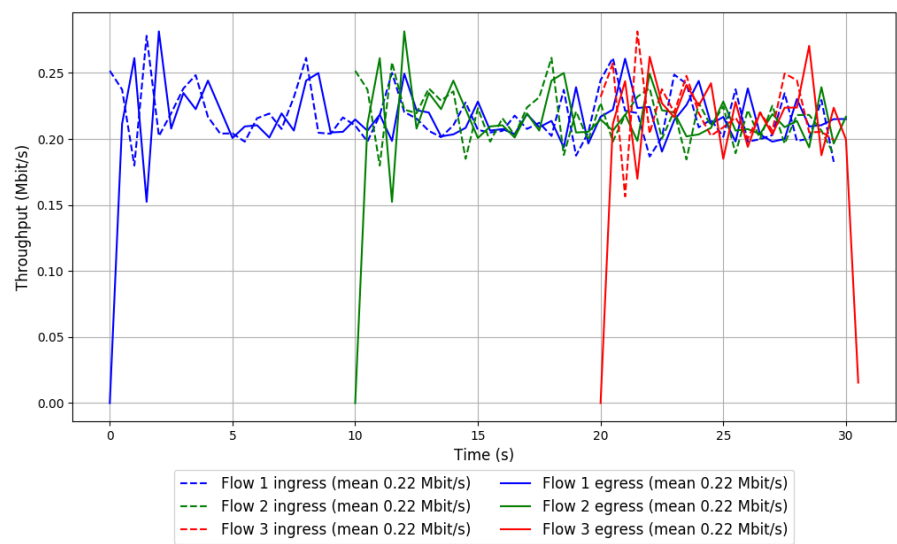
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 72.571 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

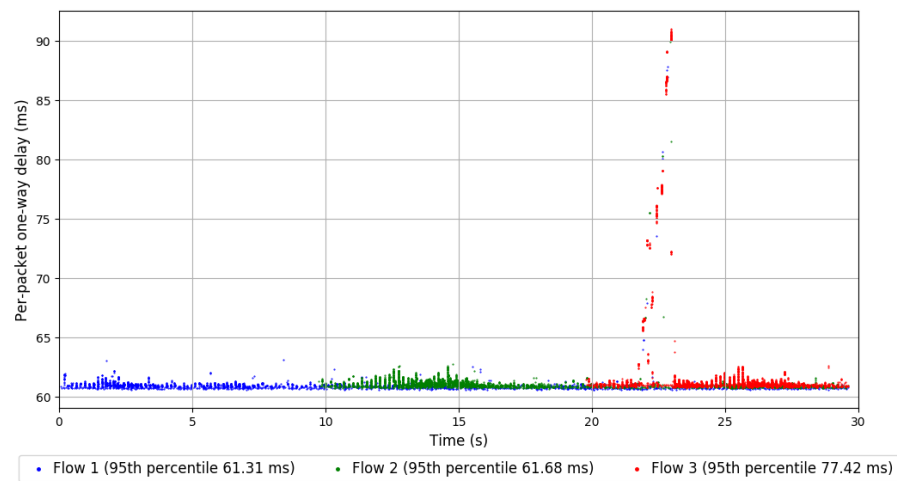
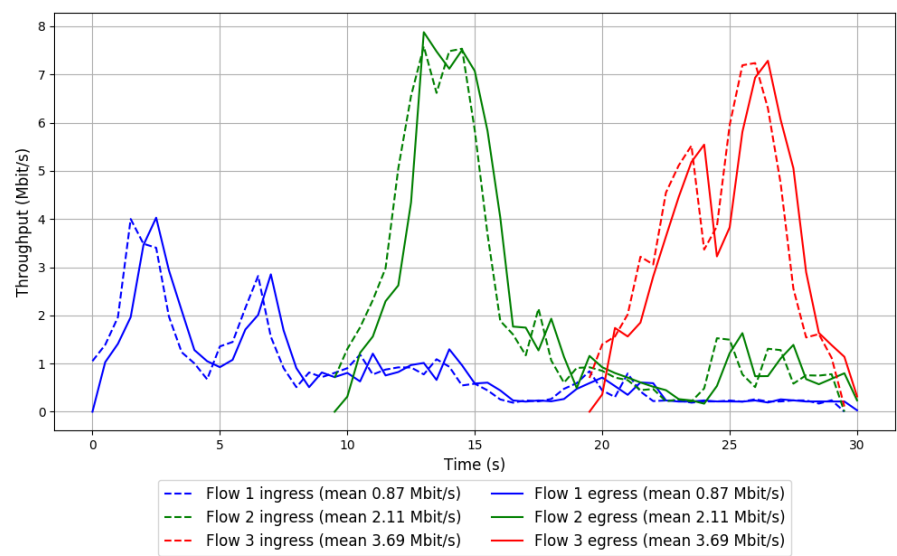


Run 1: Statistics of Sprout

Start at: 2018-07-04 16:22:02
End at: 2018-07-04 16:22:32
Local clock offset: -0.195 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-04 22:32:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 62.125 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 61.309 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 61.683 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.69 Mbit/s
95th percentile per-packet one-way delay: 77.421 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-04 16:46:25

End at: 2018-07-04 16:46:55

Local clock offset: -0.13 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-04 22:32:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 61.540 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 61.175 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 61.825 ms

Loss rate: 0.00%

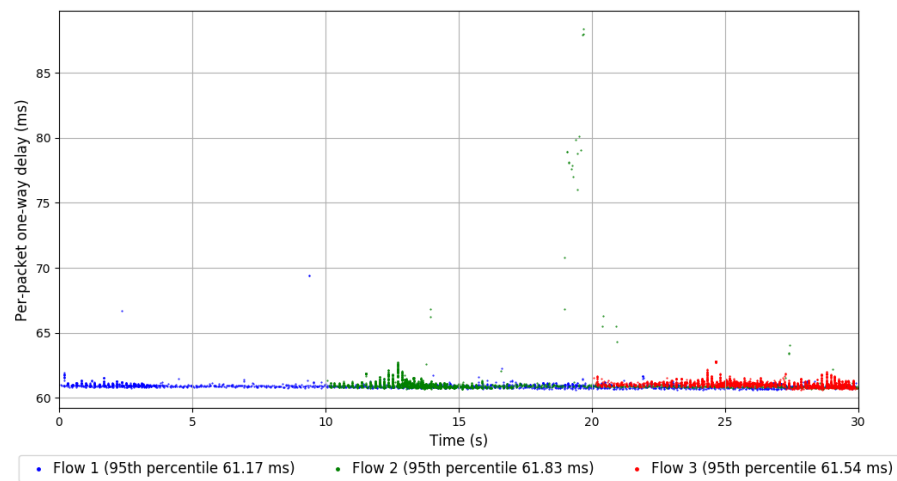
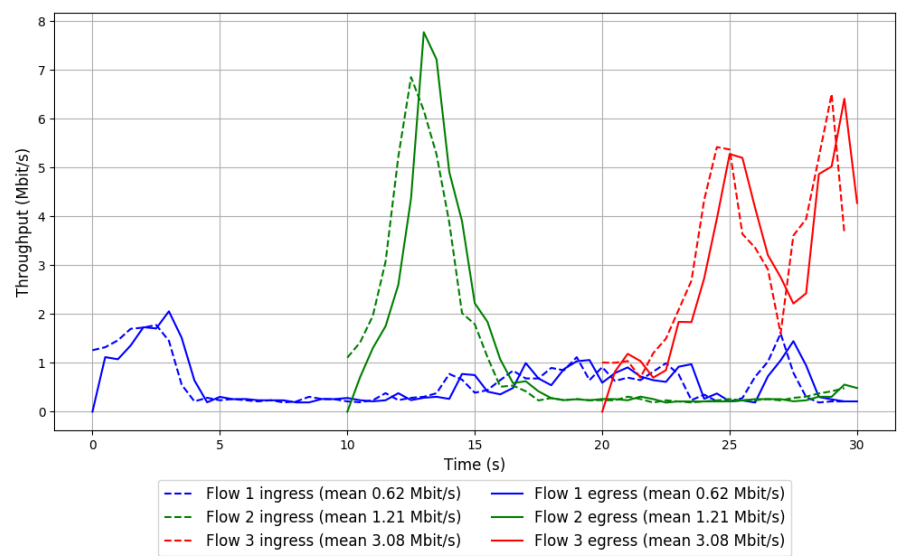
-- Flow 3:

Average throughput: 3.08 Mbit/s

95th percentile per-packet one-way delay: 61.541 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

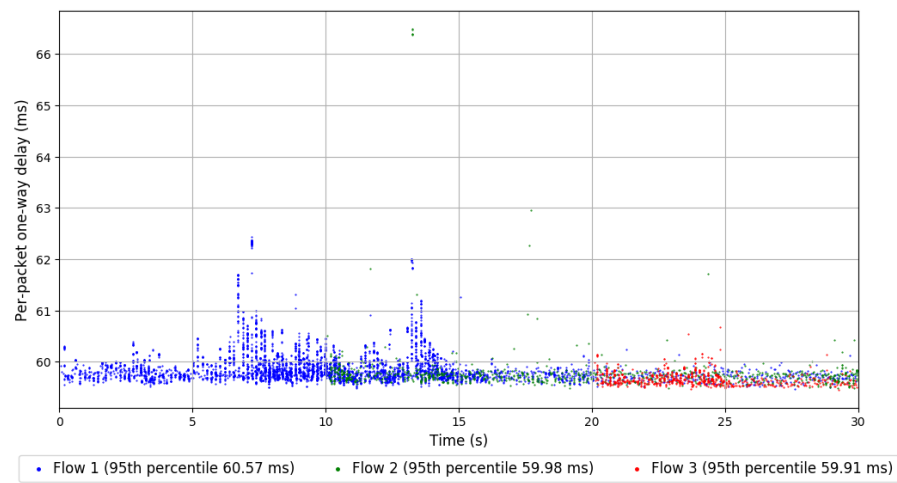
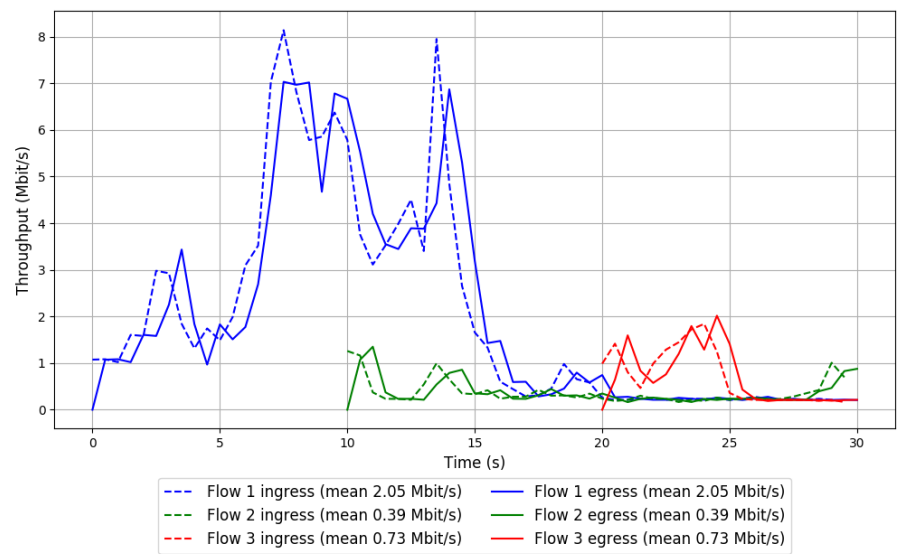


Run 3: Statistics of Sprout

Start at: 2018-07-04 17:11:12
End at: 2018-07-04 17:11:42
Local clock offset: -0.057 ms
Remote clock offset: -1.398 ms

```
# Below is generated by plot.py at 2018-07-04 22:32:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.55 Mbit/s
95th percentile per-packet one-way delay: 60.489 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 60.568 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 59.983 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 59.905 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

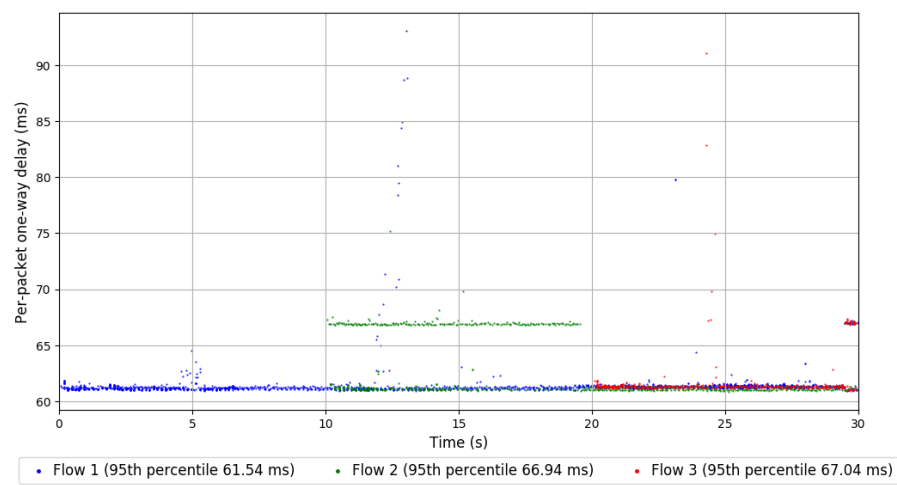
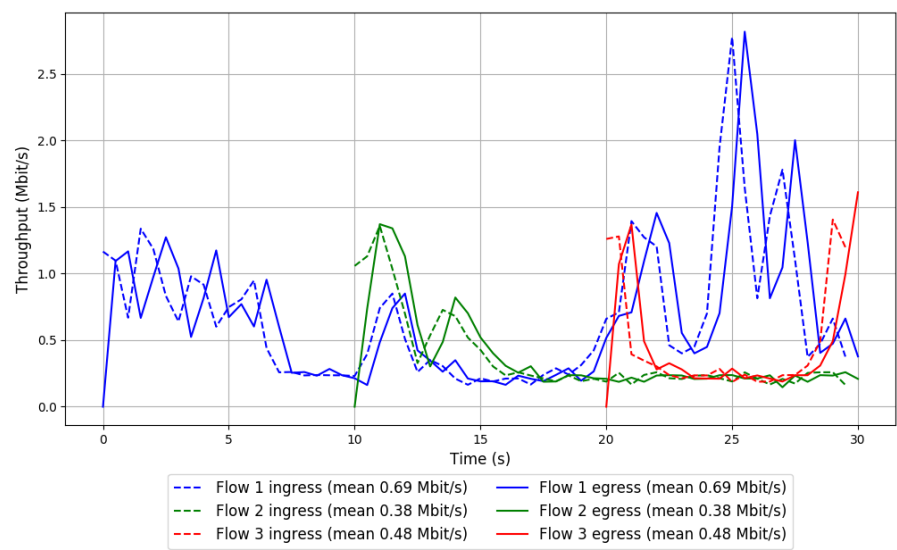


Run 4: Statistics of Sprout

Start at: 2018-07-04 17:35:43
End at: 2018-07-04 17:36:13
Local clock offset: -0.134 ms
Remote clock offset: 0.004 ms

```
# Below is generated by plot.py at 2018-07-04 22:32:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 66.895 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 61.539 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 66.945 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 67.040 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

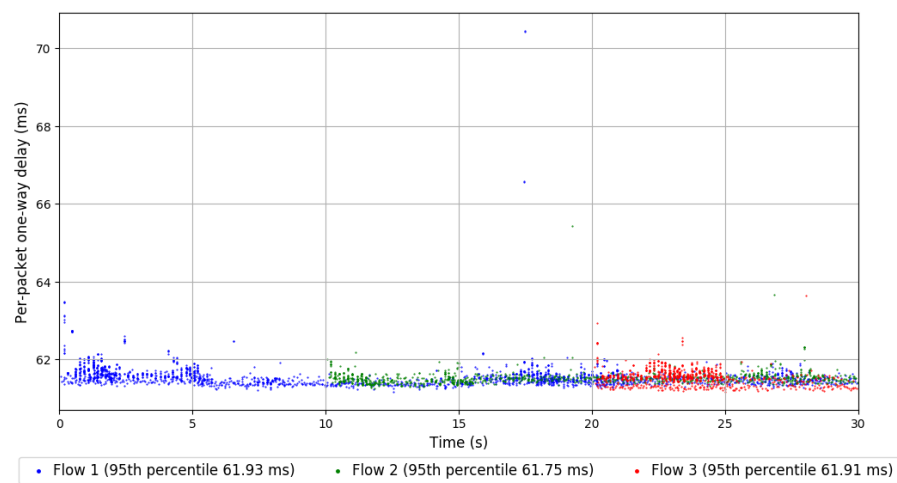
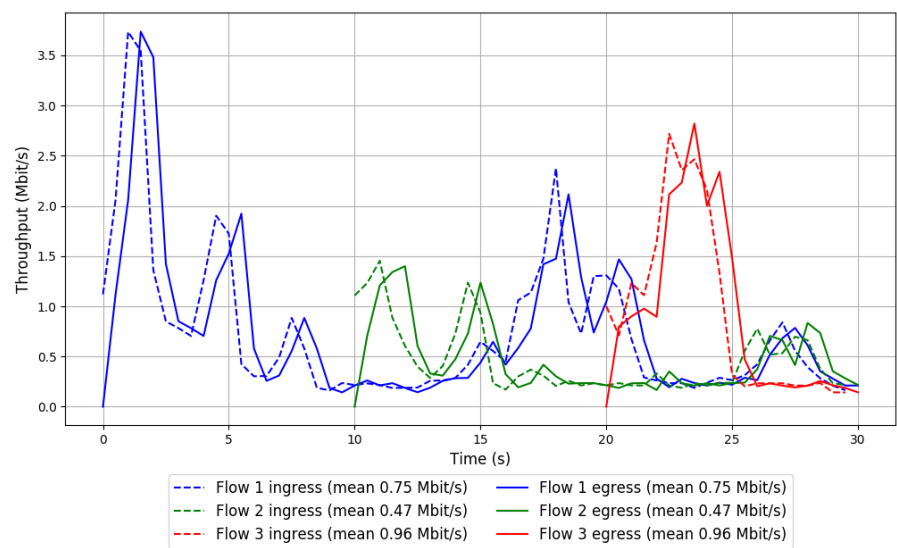


Run 5: Statistics of Sprout

Start at: 2018-07-04 18:00:07
End at: 2018-07-04 18:00:37
Local clock offset: -0.131 ms
Remote clock offset: 0.185 ms

```
# Below is generated by plot.py at 2018-07-04 22:32:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 61.887 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 61.927 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 61.752 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 61.906 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

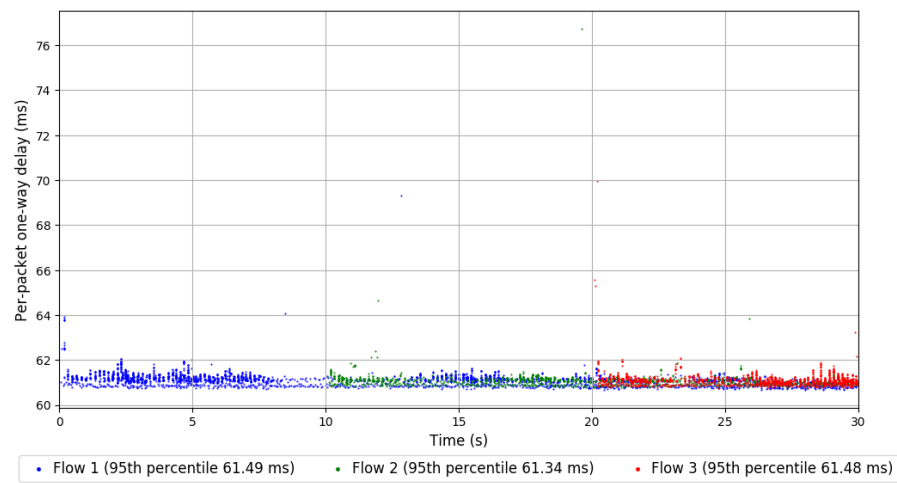
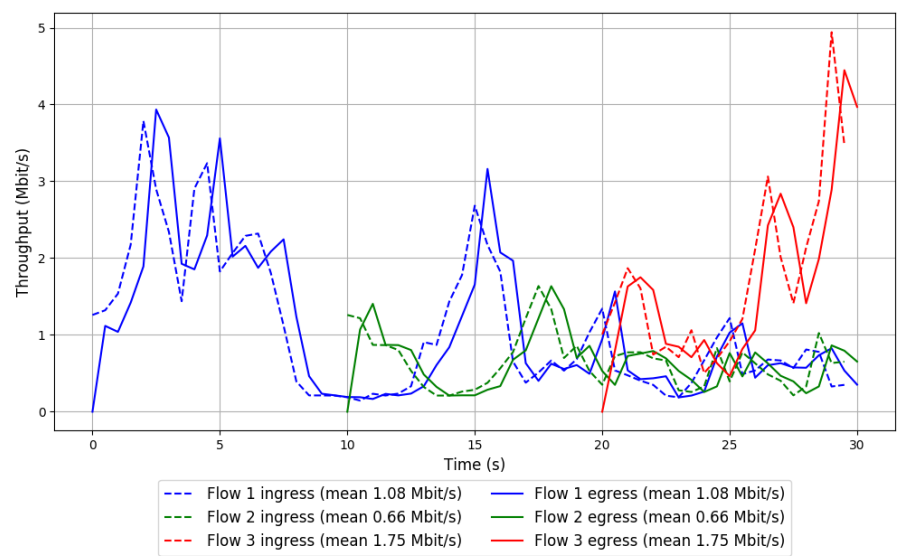


Run 6: Statistics of Sprout

Start at: 2018-07-04 18:24:47
End at: 2018-07-04 18:25:17
Local clock offset: -0.098 ms
Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-07-04 22:32:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 61.461 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 61.491 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 61.336 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 61.477 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

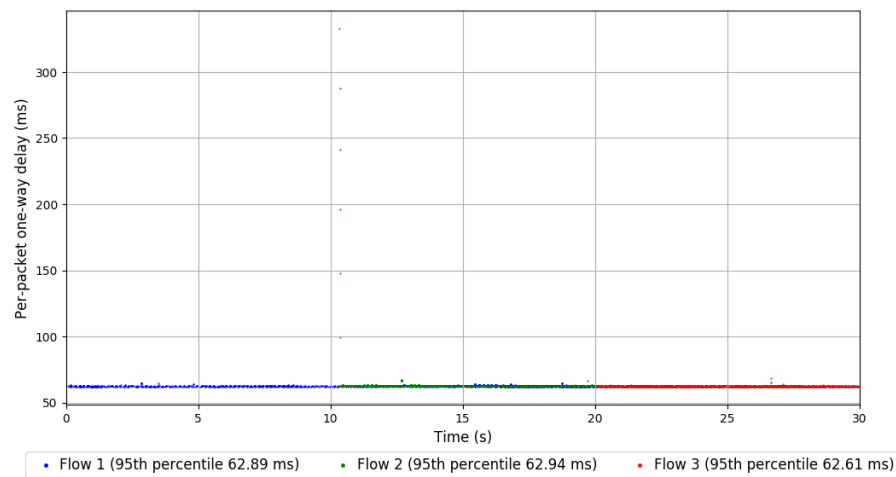
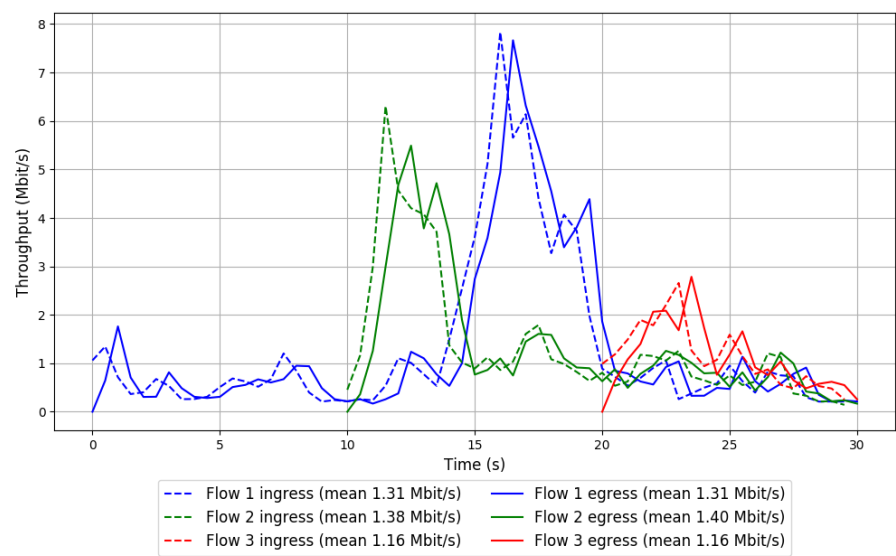


Run 7: Statistics of Sprout

Start at: 2018-07-04 18:49:27
End at: 2018-07-04 18:49:57
Local clock offset: -0.07 ms
Remote clock offset: 1.28 ms

Below is generated by plot.py at 2018-07-04 22:32:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.61 Mbit/s
95th percentile per-packet one-way delay: 62.875 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 62.892 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 62.938 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 62.614 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

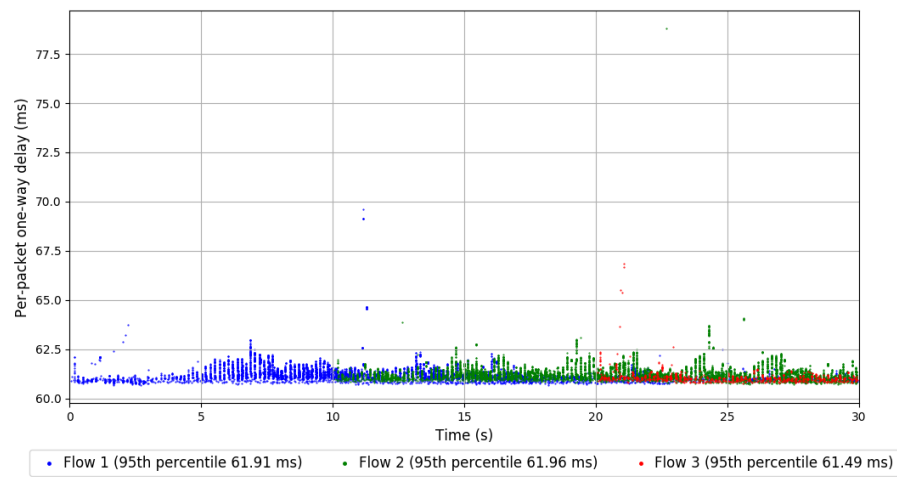
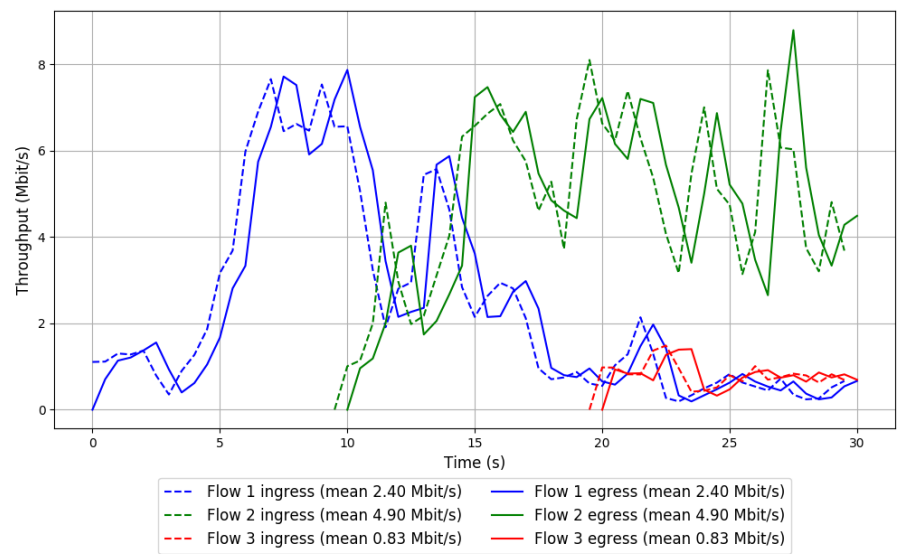


Run 8: Statistics of Sprout

Start at: 2018-07-04 19:14:00
End at: 2018-07-04 19:14:30
Local clock offset: 0.014 ms
Remote clock offset: -0.15 ms

```
# Below is generated by plot.py at 2018-07-04 22:32:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.93 Mbit/s
95th percentile per-packet one-way delay: 61.929 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 61.913 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.90 Mbit/s
95th percentile per-packet one-way delay: 61.960 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 61.495 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

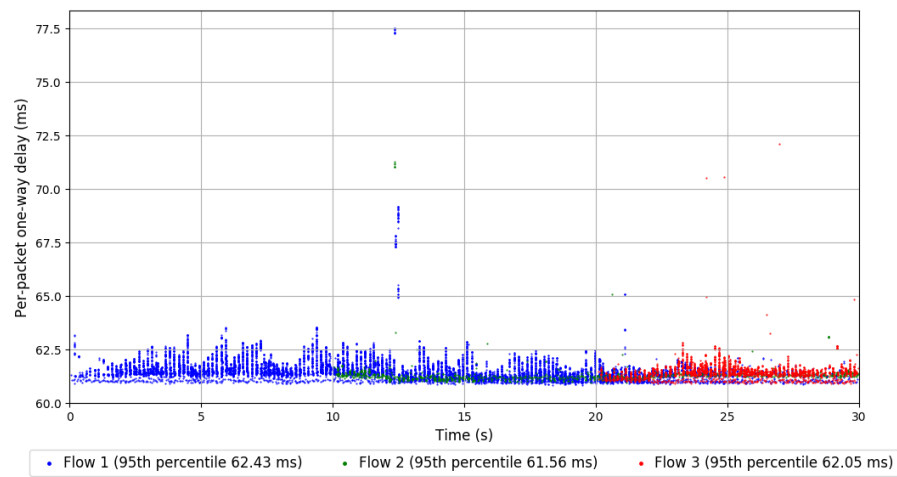
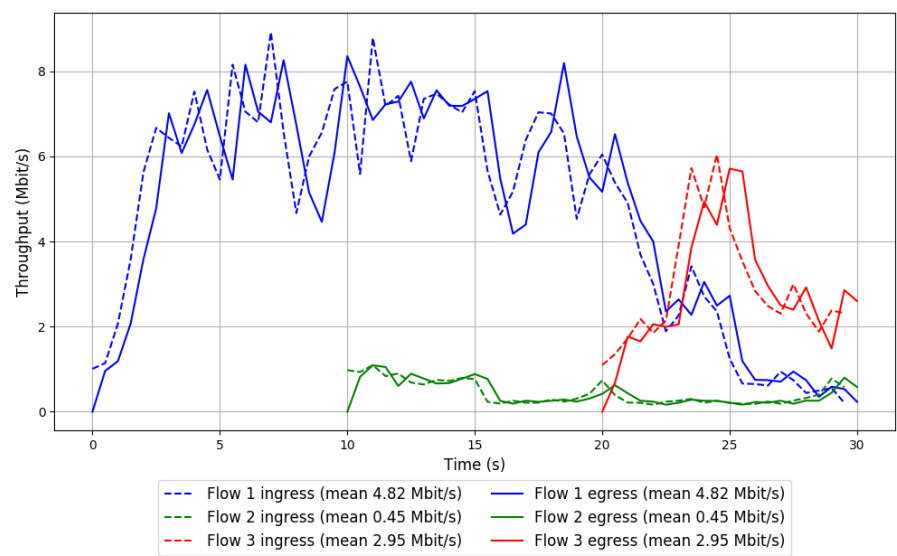


Run 9: Statistics of Sprout

Start at: 2018-07-04 19:38:21
End at: 2018-07-04 19:38:51
Local clock offset: -0.065 ms
Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-07-04 22:32:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.09 Mbit/s
95th percentile per-packet one-way delay: 62.377 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 62.431 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 61.557 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.95 Mbit/s
95th percentile per-packet one-way delay: 62.045 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-04 20:02:42

End at: 2018-07-04 20:03:12

Local clock offset: -0.086 ms

Remote clock offset: 0.175 ms

Below is generated by plot.py at 2018-07-04 22:32:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.19 Mbit/s

95th percentile per-packet one-way delay: 67.805 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 67.943 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 61.846 ms

Loss rate: 0.00%

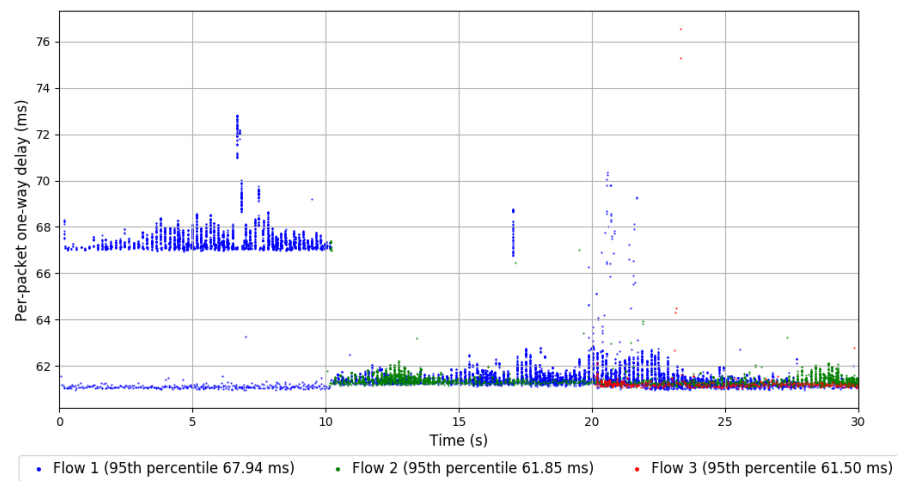
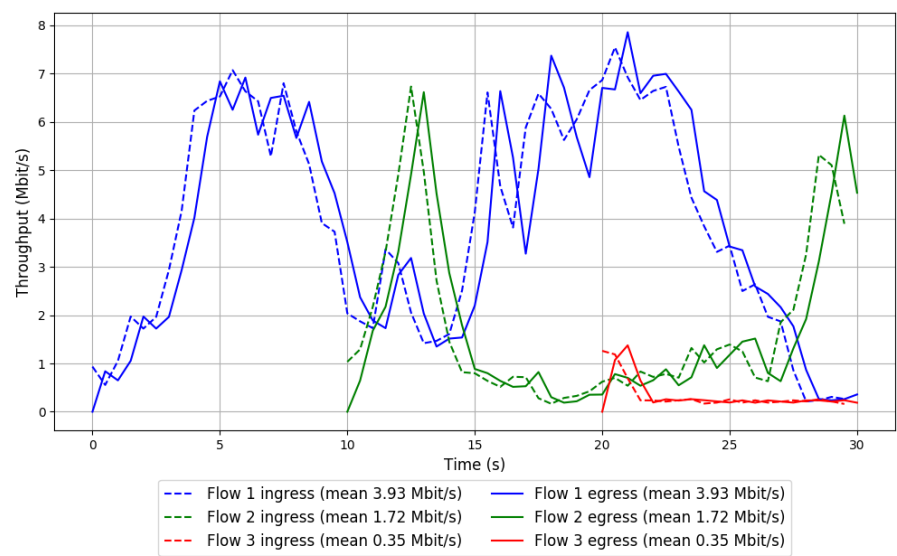
-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 61.503 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

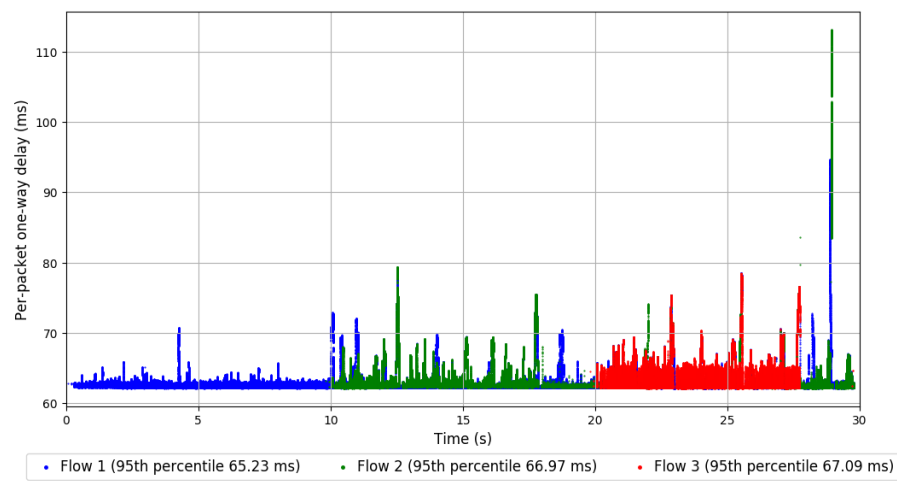
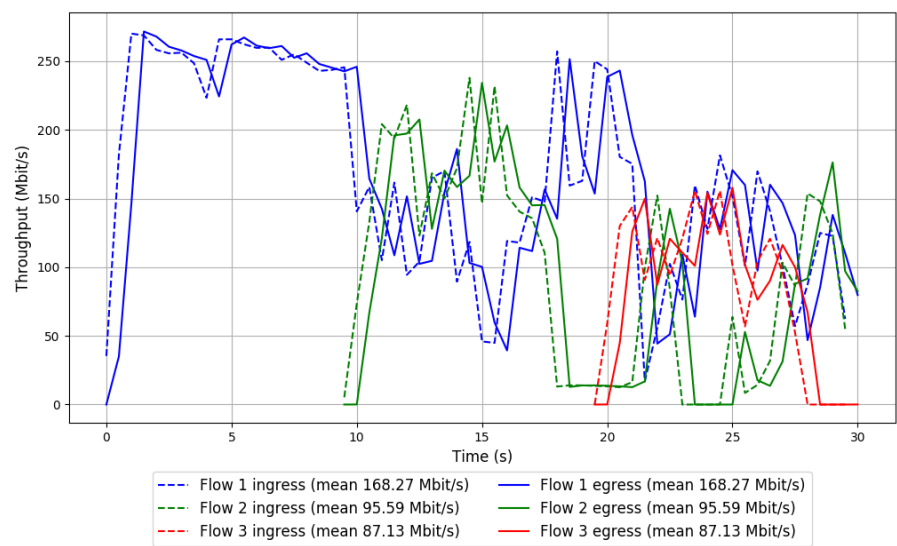


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-04 16:14:20
End at: 2018-07-04 16:14:50
Local clock offset: -0.207 ms
Remote clock offset: 1.443 ms

# Below is generated by plot.py at 2018-07-04 22:38:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 261.58 Mbit/s
95th percentile per-packet one-way delay: 66.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 168.27 Mbit/s
95th percentile per-packet one-way delay: 65.234 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 66.969 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 87.13 Mbit/s
95th percentile per-packet one-way delay: 67.086 ms
Loss rate: 0.00%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-04 16:38:41

End at: 2018-07-04 16:39:11

Local clock offset: -0.232 ms

Remote clock offset: 0.251 ms

Below is generated by plot.py at 2018-07-04 22:38:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 265.35 Mbit/s

95th percentile per-packet one-way delay: 63.828 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 157.94 Mbit/s

95th percentile per-packet one-way delay: 63.038 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 148.31 Mbit/s

95th percentile per-packet one-way delay: 64.092 ms

Loss rate: 0.00%

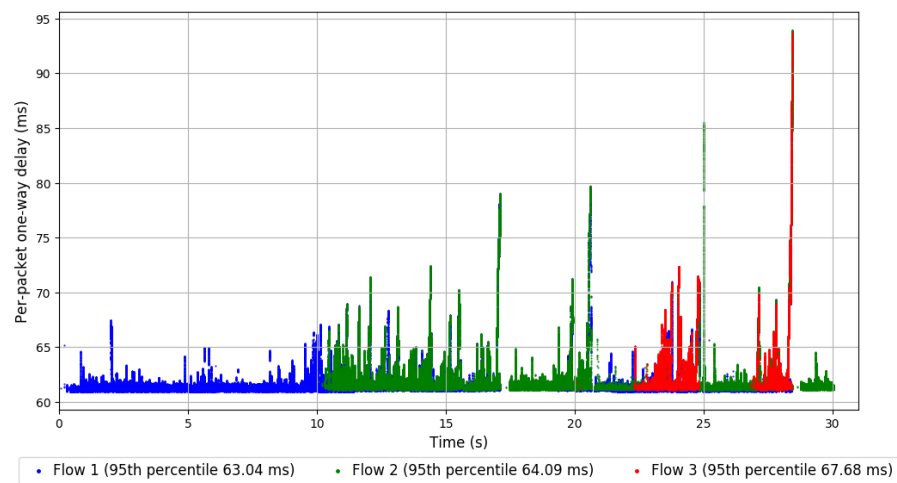
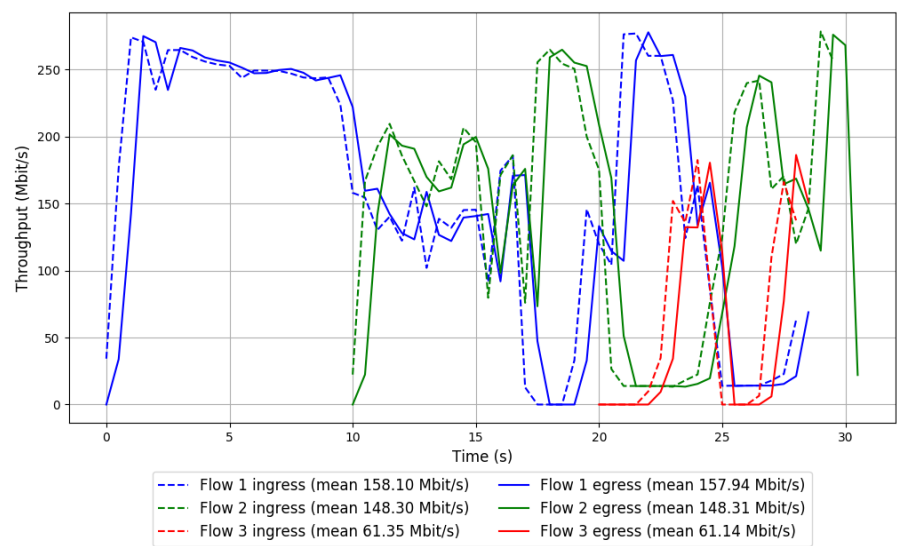
-- Flow 3:

Average throughput: 61.14 Mbit/s

95th percentile per-packet one-way delay: 67.681 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-04 17:03:27

End at: 2018-07-04 17:03:57

Local clock offset: -0.078 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-07-04 22:38:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 246.67 Mbit/s

95th percentile per-packet one-way delay: 64.265 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 127.16 Mbit/s

95th percentile per-packet one-way delay: 63.849 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 153.49 Mbit/s

95th percentile per-packet one-way delay: 64.942 ms

Loss rate: 0.00%

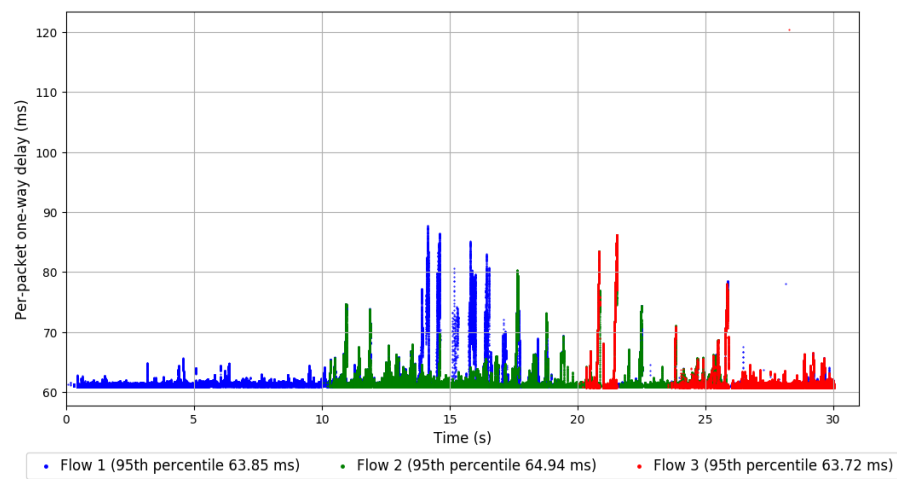
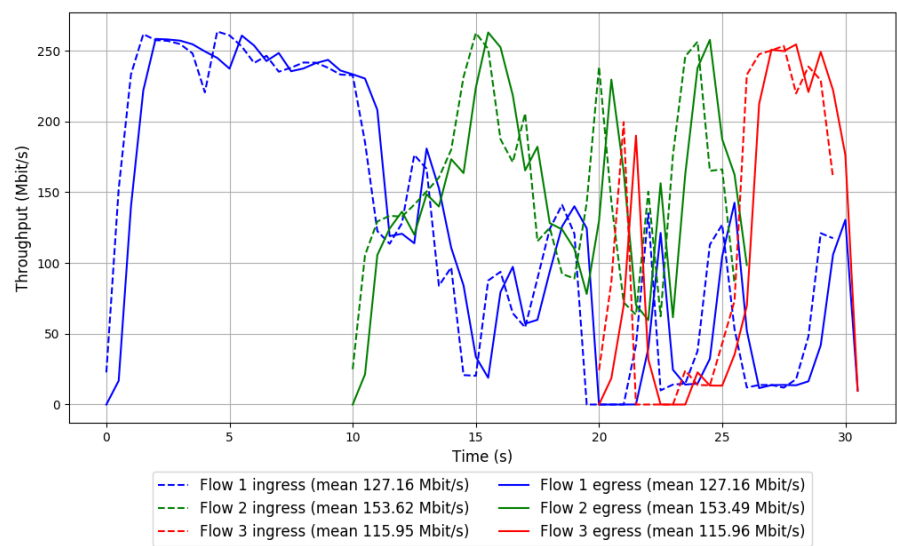
-- Flow 3:

Average throughput: 115.96 Mbit/s

95th percentile per-packet one-way delay: 63.724 ms

Loss rate: 0.00%

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

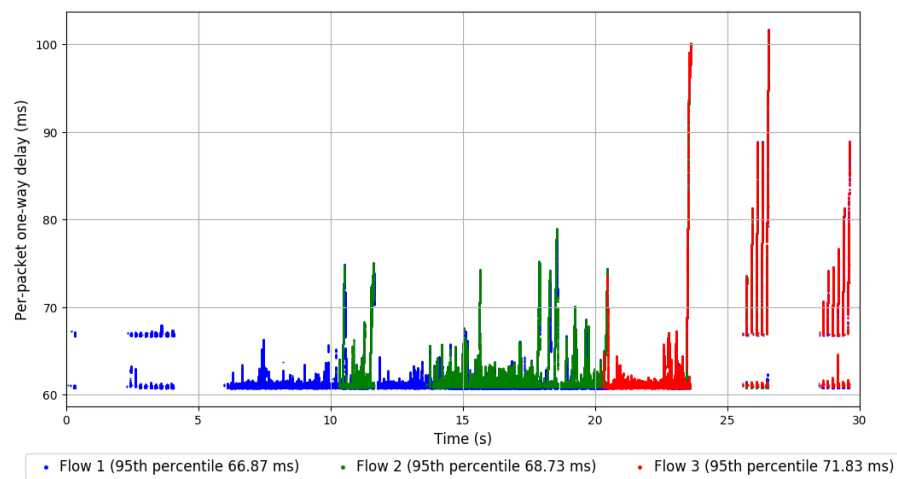
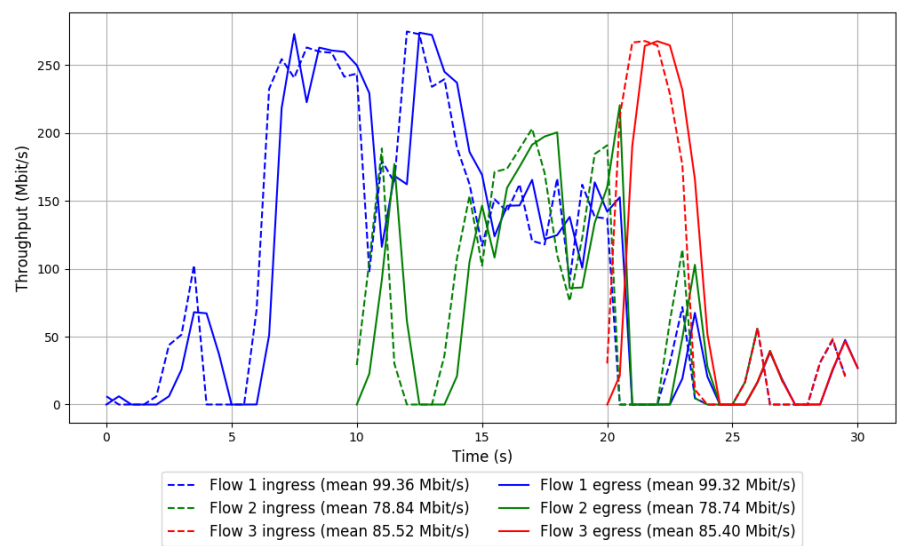


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-04 17:28:08
End at: 2018-07-04 17:28:38
Local clock offset: -0.143 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-04 22:38:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 170.80 Mbit/s
95th percentile per-packet one-way delay: 67.262 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 99.32 Mbit/s
95th percentile per-packet one-way delay: 66.867 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 78.74 Mbit/s
95th percentile per-packet one-way delay: 68.730 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 85.40 Mbit/s
95th percentile per-packet one-way delay: 71.831 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-04 17:52:32

End at: 2018-07-04 17:53:02

Local clock offset: -0.163 ms

Remote clock offset: 0.24 ms

Below is generated by plot.py at 2018-07-04 22:38:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 164.02 Mbit/s

95th percentile per-packet one-way delay: 65.078 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 106.40 Mbit/s

95th percentile per-packet one-way delay: 63.918 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 53.94 Mbit/s

95th percentile per-packet one-way delay: 68.765 ms

Loss rate: 0.00%

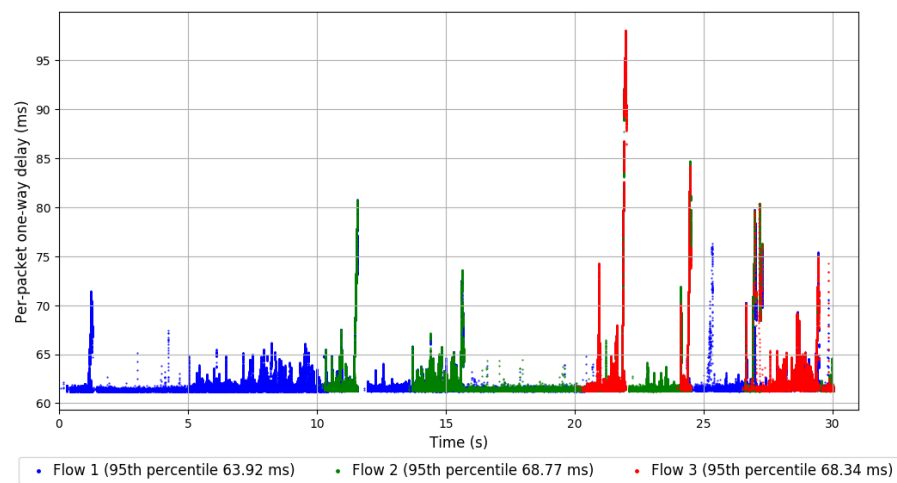
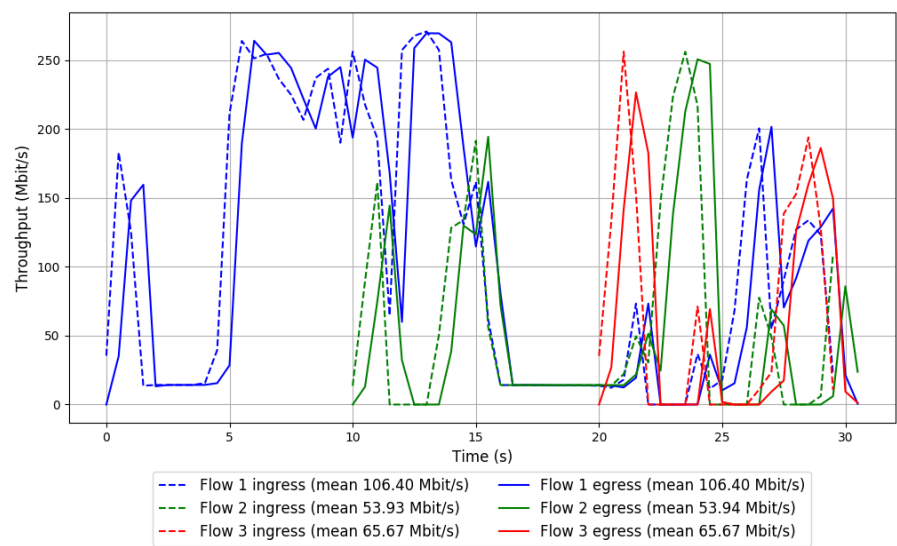
-- Flow 3:

Average throughput: 65.67 Mbit/s

95th percentile per-packet one-way delay: 68.338 ms

Loss rate: 0.00%

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

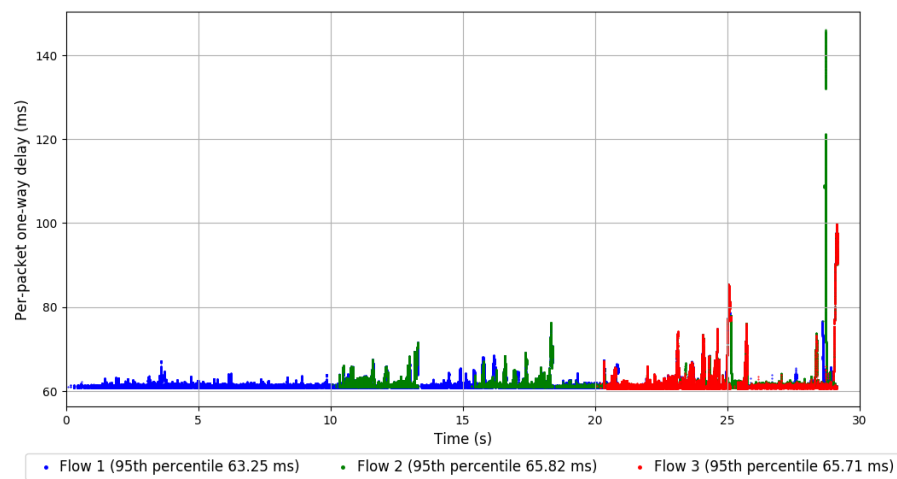
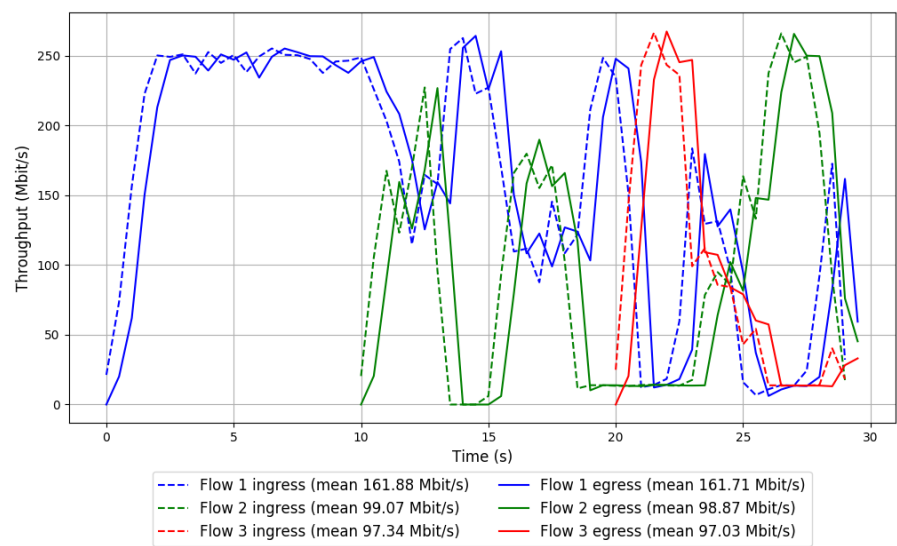


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-04 18:17:08
End at: 2018-07-04 18:17:38
Local clock offset: -0.135 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-04 22:38:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 256.89 Mbit/s
95th percentile per-packet one-way delay: 64.163 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 161.71 Mbit/s
95th percentile per-packet one-way delay: 63.246 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 98.87 Mbit/s
95th percentile per-packet one-way delay: 65.820 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 65.713 ms
Loss rate: 0.00%

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

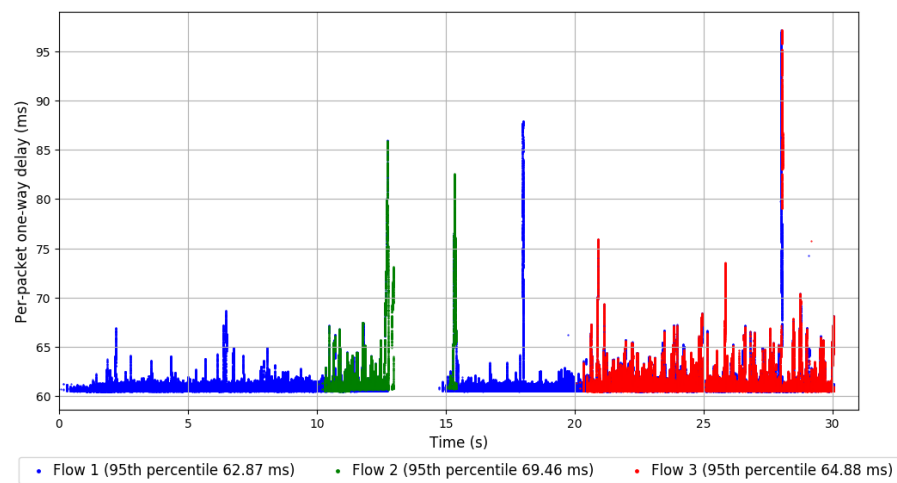
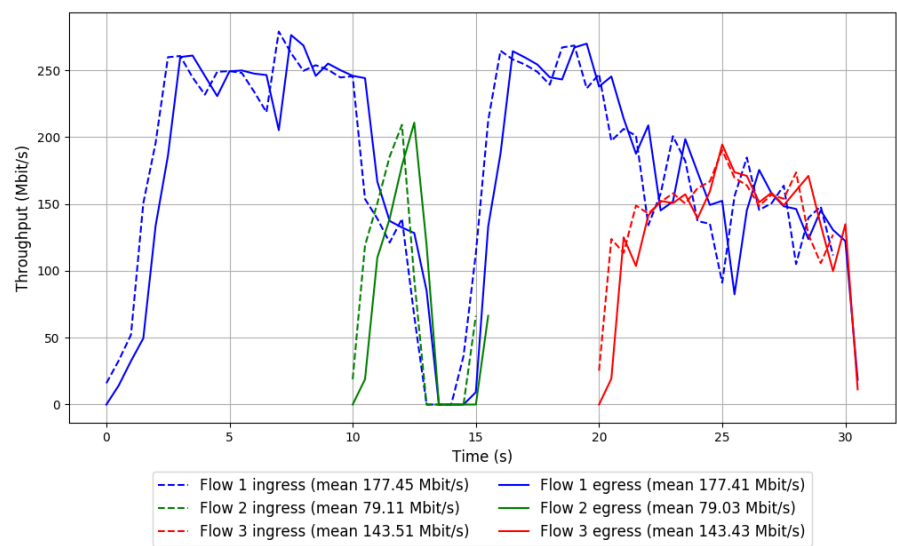


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-04 18:41:41
End at: 2018-07-04 18:42:11
Local clock offset: -0.058 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-07-04 22:40:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 239.08 Mbit/s
95th percentile per-packet one-way delay: 63.804 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 177.41 Mbit/s
95th percentile per-packet one-way delay: 62.868 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 79.03 Mbit/s
95th percentile per-packet one-way delay: 69.456 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 143.43 Mbit/s
95th percentile per-packet one-way delay: 64.883 ms
Loss rate: 0.06%

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

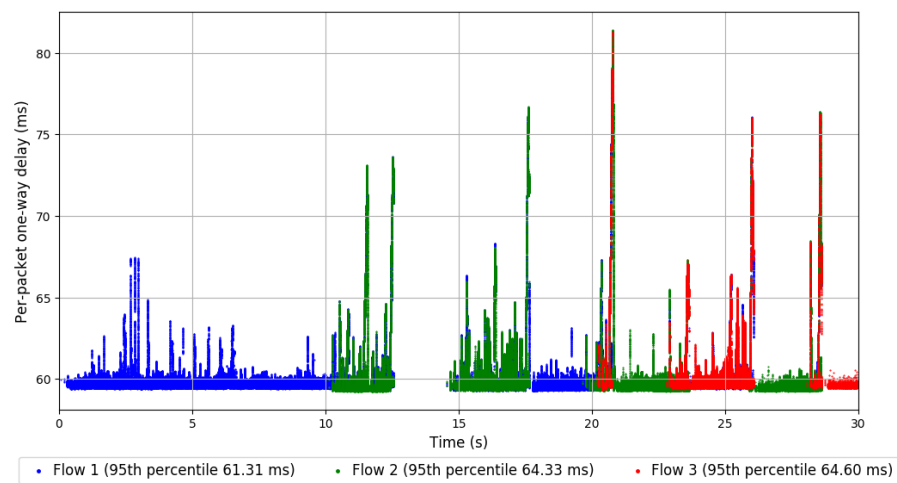
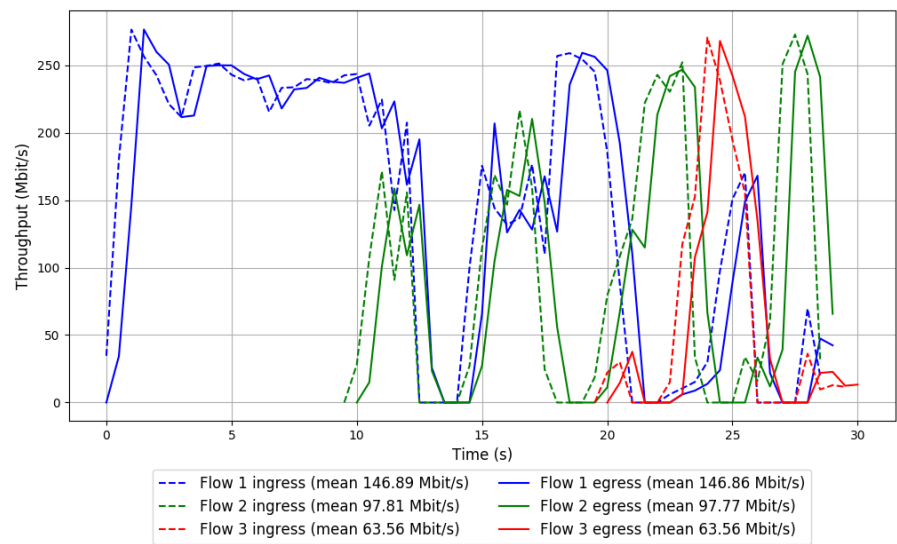


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-04 19:06:20
End at: 2018-07-04 19:06:50
Local clock offset: 0.052 ms
Remote clock offset: -1.357 ms

Below is generated by plot.py at 2018-07-04 22:41:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 222.30 Mbit/s
95th percentile per-packet one-way delay: 62.198 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 146.86 Mbit/s
95th percentile per-packet one-way delay: 61.312 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 97.77 Mbit/s
95th percentile per-packet one-way delay: 64.335 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.56 Mbit/s
95th percentile per-packet one-way delay: 64.602 ms
Loss rate: 0.00%

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

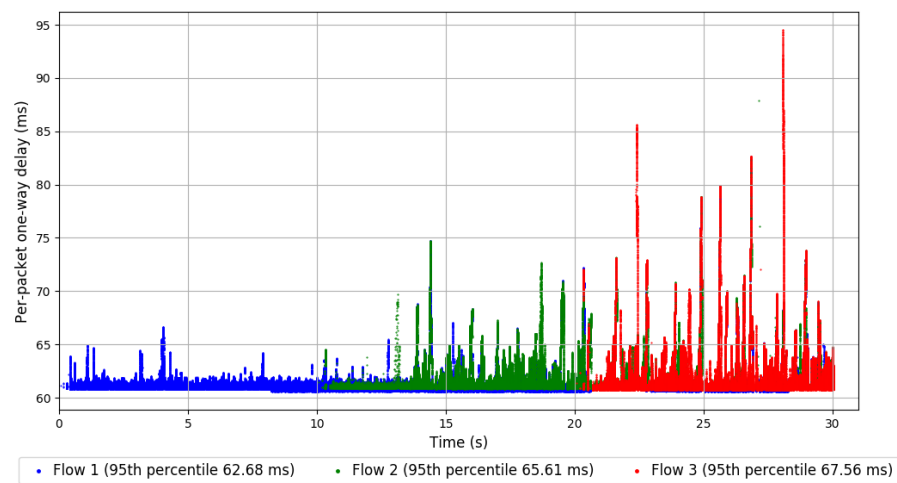
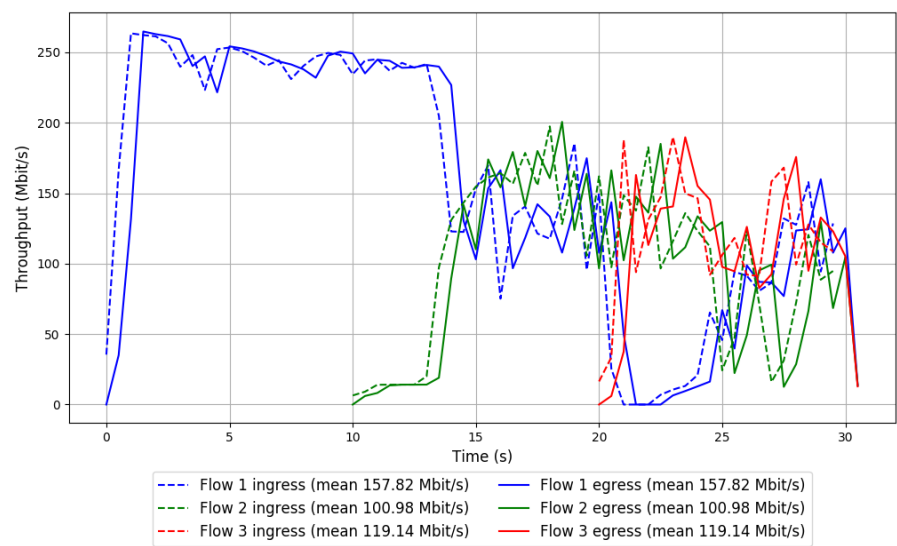


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-04 19:30:34
End at: 2018-07-04 19:31:04
Local clock offset: 0.0 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-04 22:44:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 264.68 Mbit/s
95th percentile per-packet one-way delay: 64.272 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 157.82 Mbit/s
95th percentile per-packet one-way delay: 62.679 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 100.98 Mbit/s
95th percentile per-packet one-way delay: 65.614 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 119.14 Mbit/s
95th percentile per-packet one-way delay: 67.556 ms
Loss rate: 0.00%

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

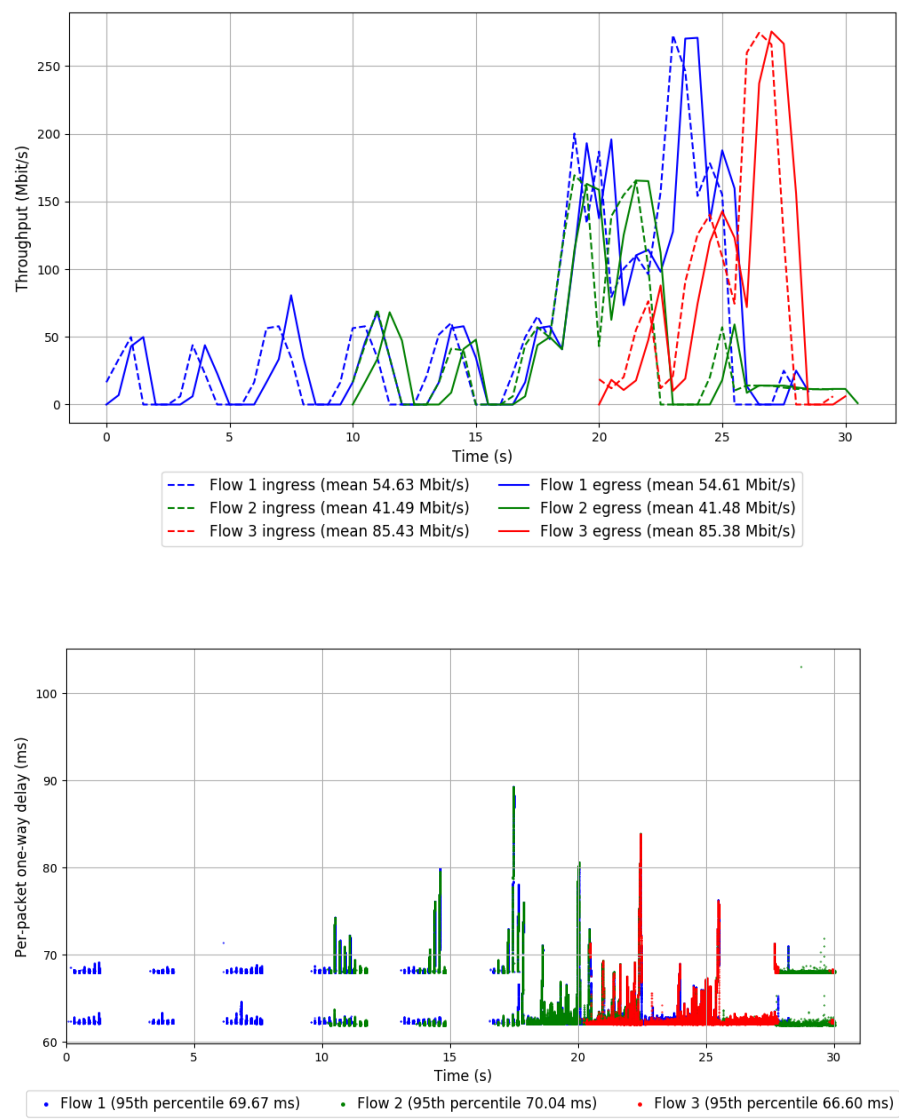


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-07-04 19:55:15
End at: 2018-07-04 19:55:45
Local clock offset: -0.071 ms
Remote clock offset: 1.251 ms

# Below is generated by plot.py at 2018-07-04 22:44:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 107.00 Mbit/s
95th percentile per-packet one-way delay: 68.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.61 Mbit/s
95th percentile per-packet one-way delay: 69.668 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.48 Mbit/s
95th percentile per-packet one-way delay: 70.040 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 85.38 Mbit/s
95th percentile per-packet one-way delay: 66.599 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-04 16:09:37

End at: 2018-07-04 16:10:07

Local clock offset: -0.216 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-07-04 22:44:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 74.137 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 21.90 Mbit/s

95th percentile per-packet one-way delay: 70.700 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 64.47 Mbit/s

95th percentile per-packet one-way delay: 76.150 ms

Loss rate: 0.01%

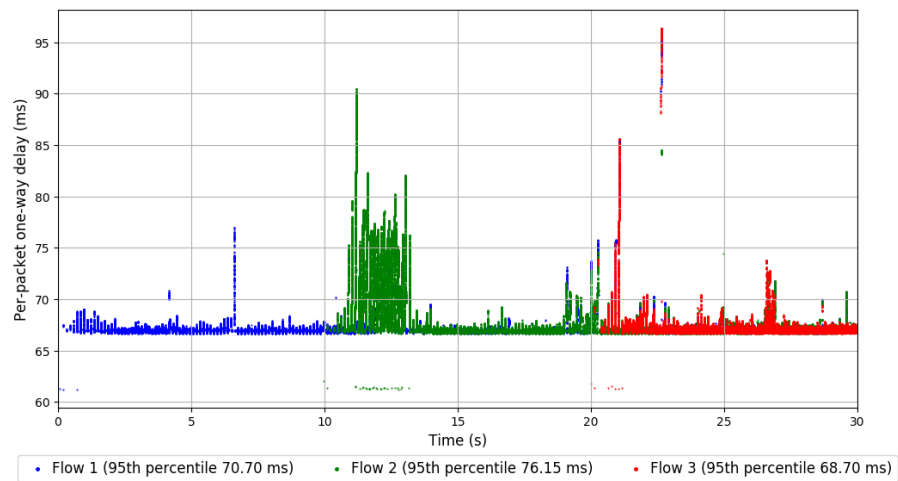
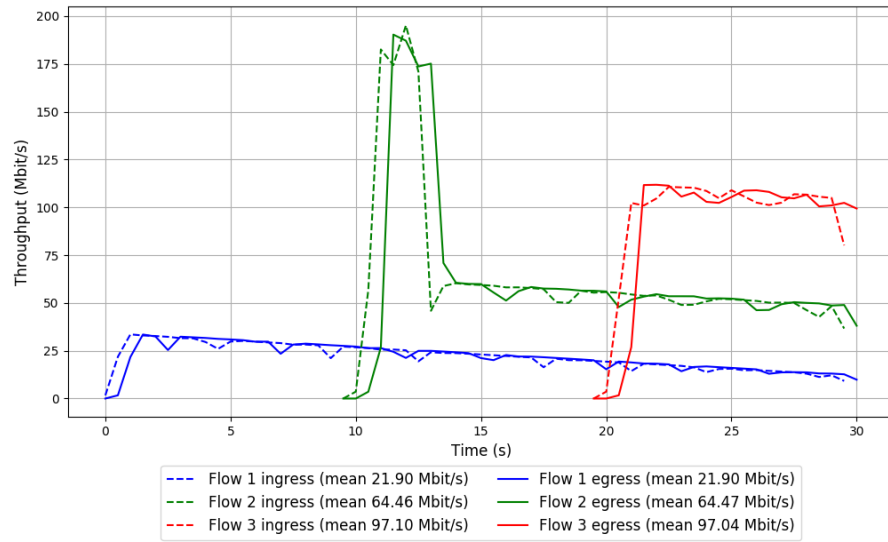
-- Flow 3:

Average throughput: 97.04 Mbit/s

95th percentile per-packet one-way delay: 68.699 ms

Loss rate: 0.03%

Run 1: Report of TCP Vegas — Data Link

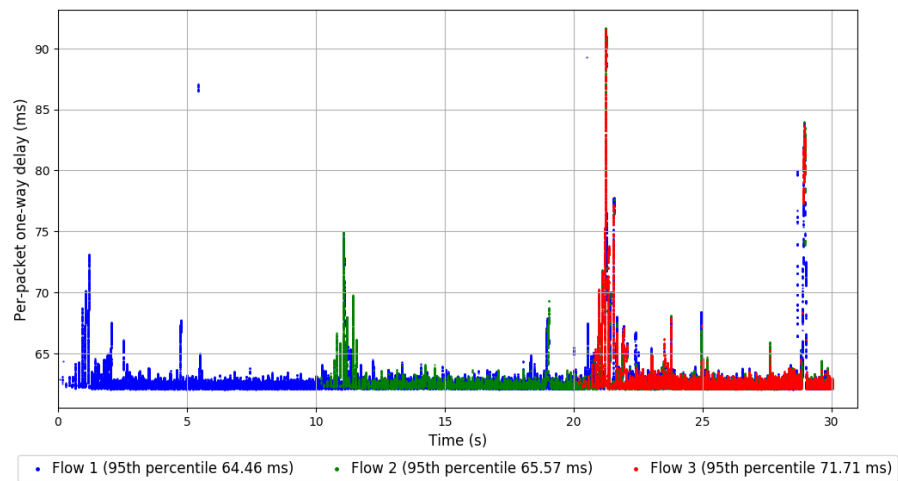
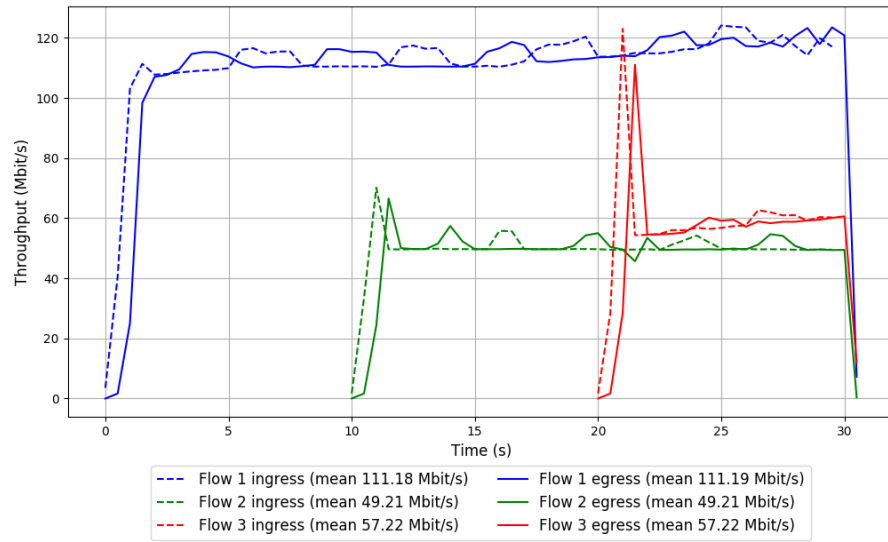


Run 2: Statistics of TCP Vegas

Start at: 2018-07-04 16:33:54
End at: 2018-07-04 16:34:24
Local clock offset: -0.227 ms
Remote clock offset: 1.272 ms

Below is generated by plot.py at 2018-07-04 22:44:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 162.97 Mbit/s
95th percentile per-packet one-way delay: 65.353 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 111.19 Mbit/s
95th percentile per-packet one-way delay: 64.461 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.21 Mbit/s
95th percentile per-packet one-way delay: 65.571 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 57.22 Mbit/s
95th percentile per-packet one-way delay: 71.713 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

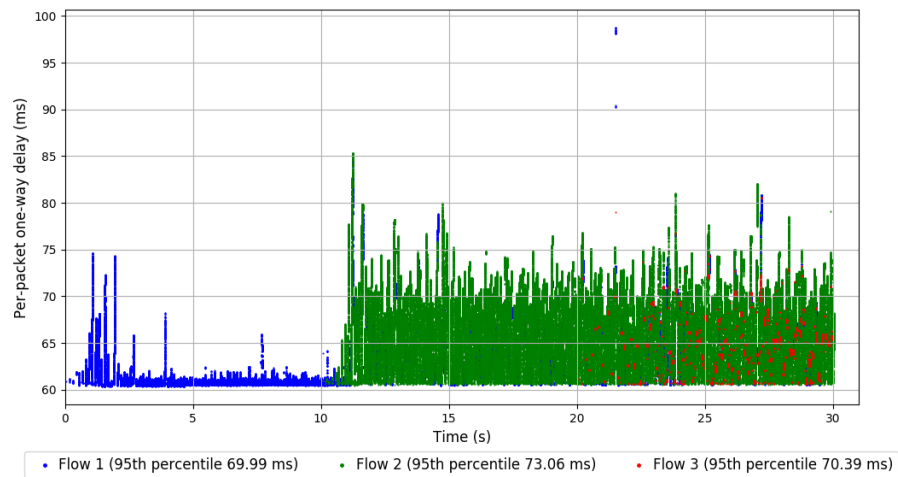
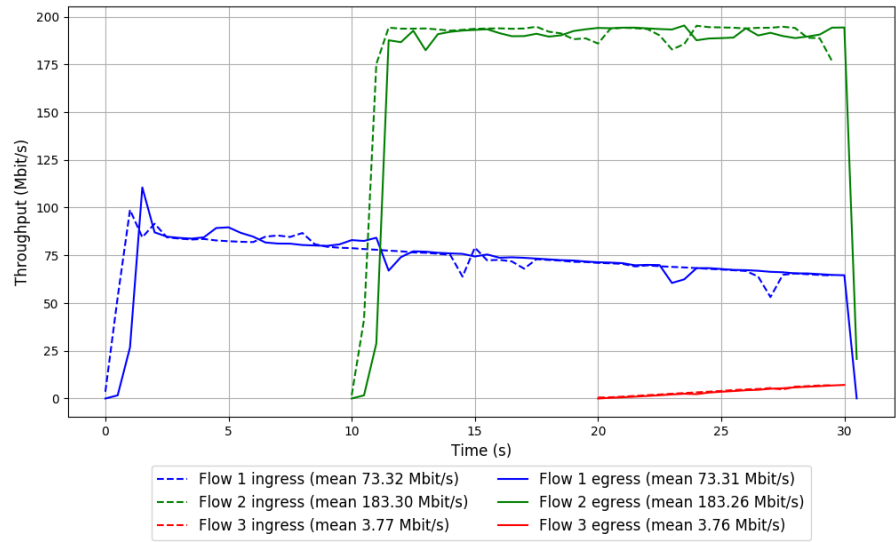


Run 3: Statistics of TCP Vegas

Start at: 2018-07-04 16:58:38
End at: 2018-07-04 16:59:08
Local clock offset: -0.103 ms
Remote clock offset: -0.393 ms

Below is generated by plot.py at 2018-07-04 22:44:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 196.62 Mbit/s
95th percentile per-packet one-way delay: 72.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.31 Mbit/s
95th percentile per-packet one-way delay: 69.986 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 183.26 Mbit/s
95th percentile per-packet one-way delay: 73.063 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 70.395 ms
Loss rate: 0.22%

Run 3: Report of TCP Vegas — Data Link

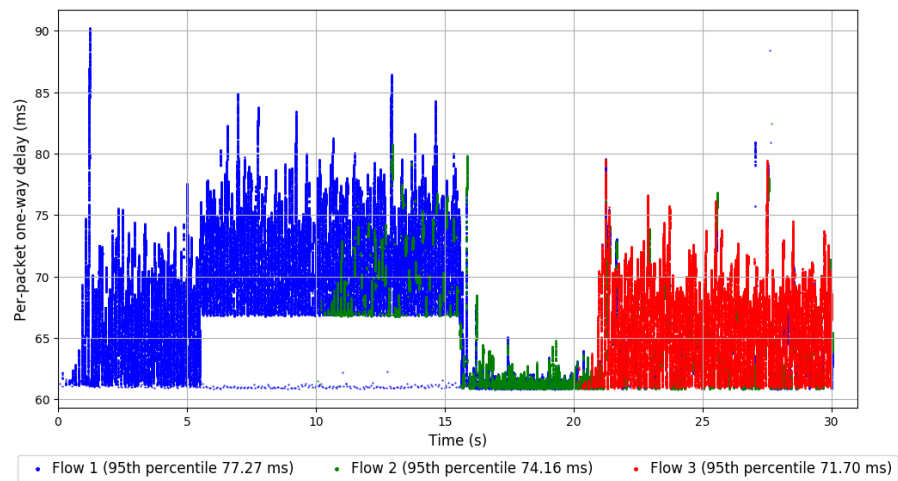
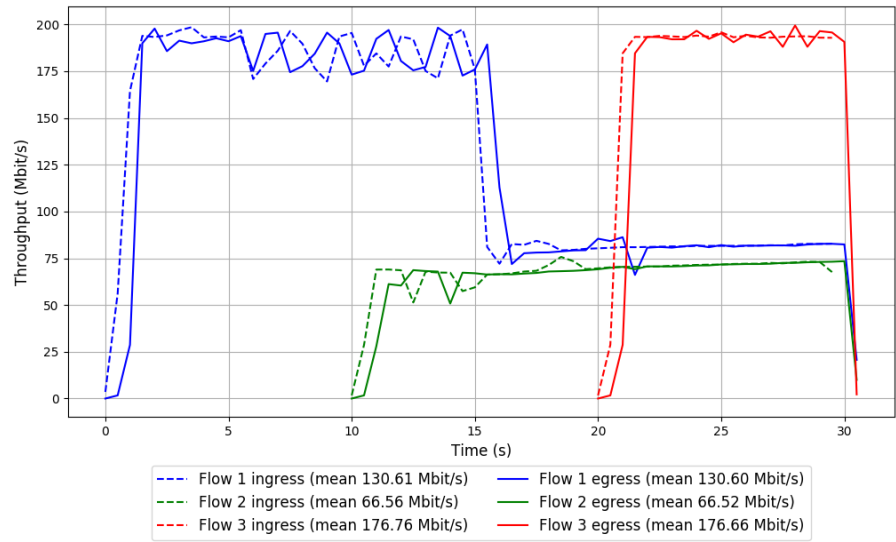


Run 4: Statistics of TCP Vegas

Start at: 2018-07-04 17:23:17
End at: 2018-07-04 17:23:47
Local clock offset: -0.168 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-04 22:44:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 233.32 Mbit/s
95th percentile per-packet one-way delay: 76.394 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 130.60 Mbit/s
95th percentile per-packet one-way delay: 77.269 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.52 Mbit/s
95th percentile per-packet one-way delay: 74.160 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 176.66 Mbit/s
95th percentile per-packet one-way delay: 71.696 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

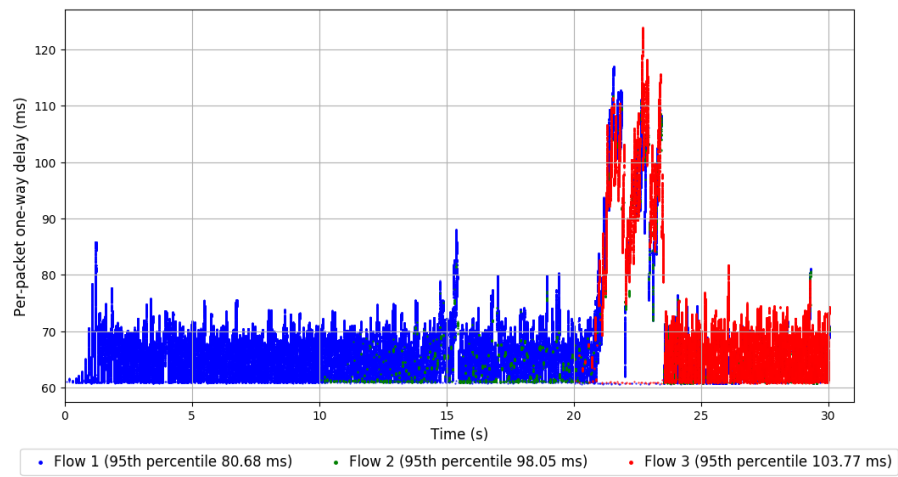
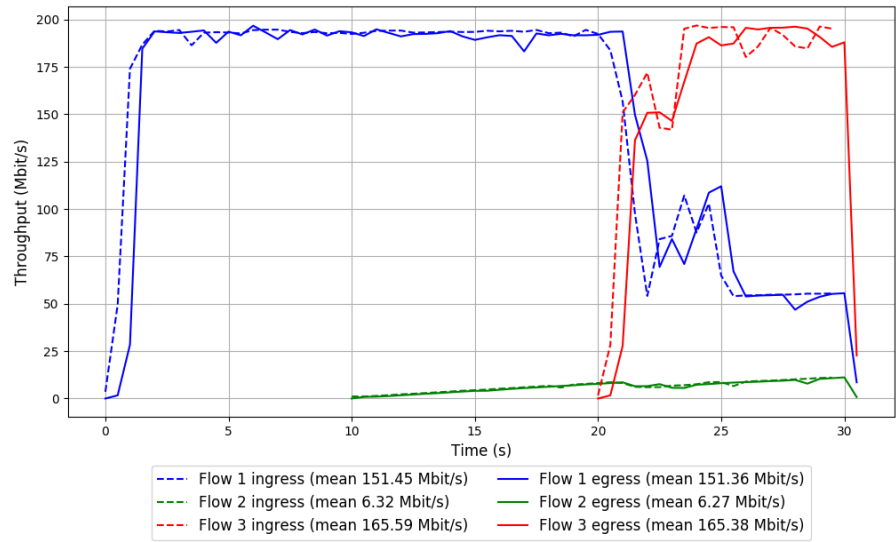


Run 5: Statistics of TCP Vegas

Start at: 2018-07-04 17:47:42
End at: 2018-07-04 17:48:12
Local clock offset: -0.12 ms
Remote clock offset: -0.253 ms

Below is generated by plot.py at 2018-07-04 22:44:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 210.44 Mbit/s
95th percentile per-packet one-way delay: 97.155 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 151.36 Mbit/s
95th percentile per-packet one-way delay: 80.676 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: 98.052 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 165.38 Mbit/s
95th percentile per-packet one-way delay: 103.771 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

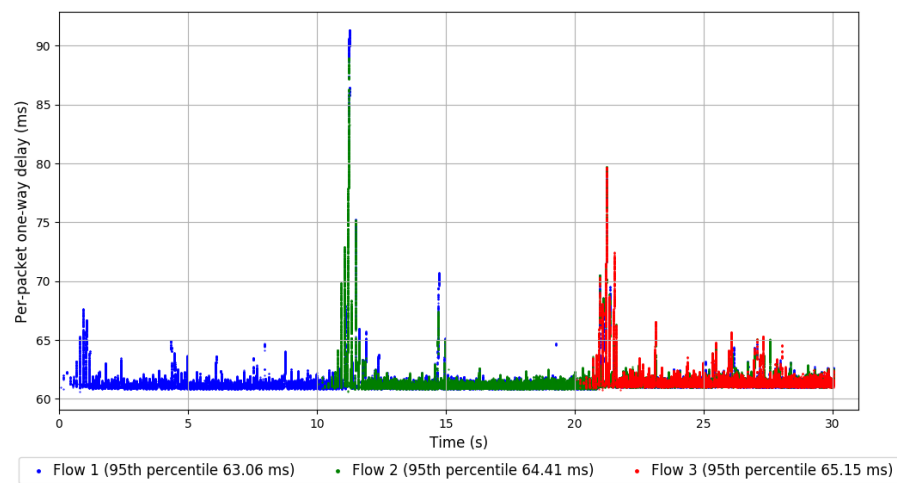
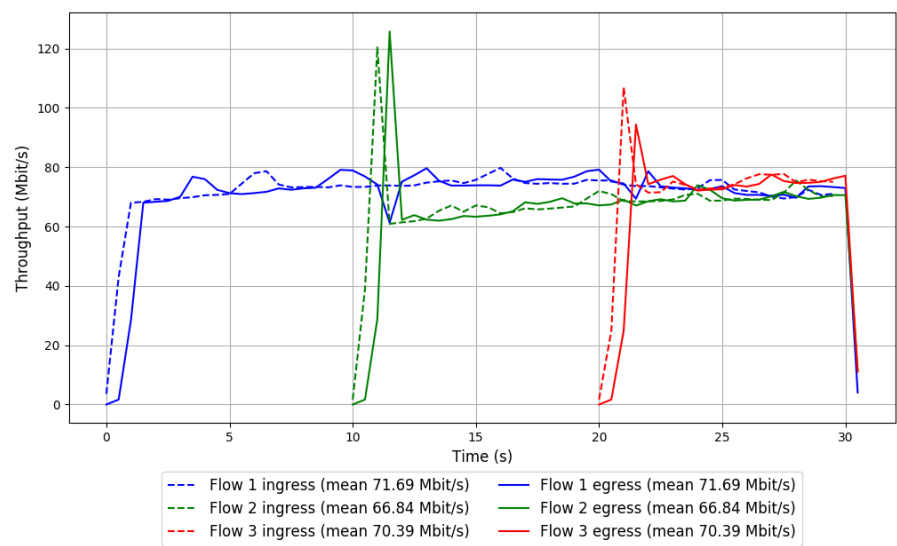


Run 6: Statistics of TCP Vegas

Start at: 2018-07-04 18:12:22
End at: 2018-07-04 18:12:52
Local clock offset: -0.138 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-07-04 22:44:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 139.59 Mbit/s
95th percentile per-packet one-way delay: 63.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.69 Mbit/s
95th percentile per-packet one-way delay: 63.058 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.84 Mbit/s
95th percentile per-packet one-way delay: 64.411 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.39 Mbit/s
95th percentile per-packet one-way delay: 65.149 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

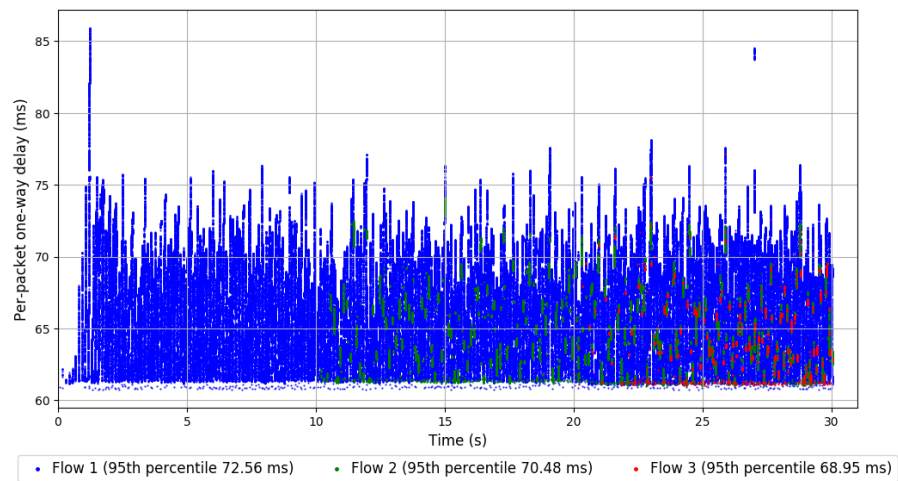
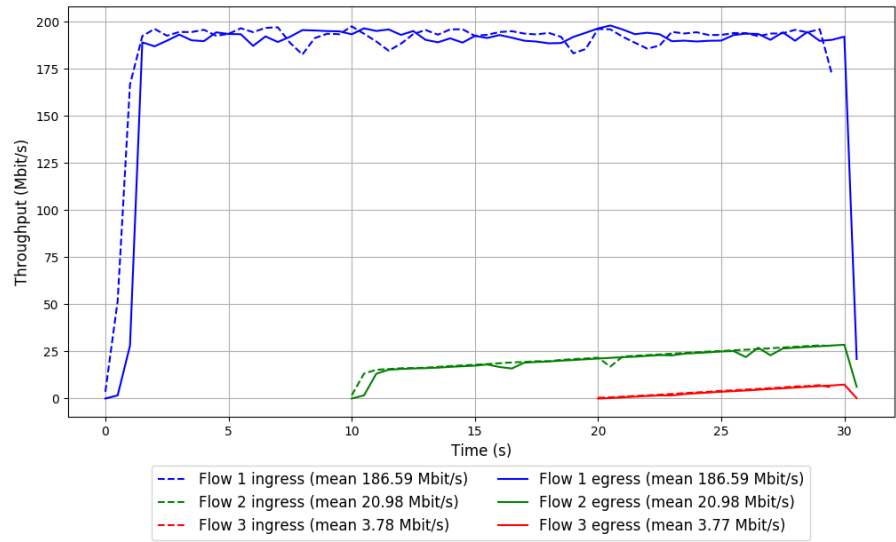


Run 7: Statistics of TCP Vegas

Start at: 2018-07-04 18:36:52
End at: 2018-07-04 18:37:22
Local clock offset: -0.147 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-04 22:44:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 201.81 Mbit/s
95th percentile per-packet one-way delay: 72.437 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 186.59 Mbit/s
95th percentile per-packet one-way delay: 72.559 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.98 Mbit/s
95th percentile per-packet one-way delay: 70.478 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 68.954 ms
Loss rate: 0.26%

Run 7: Report of TCP Vegas — Data Link

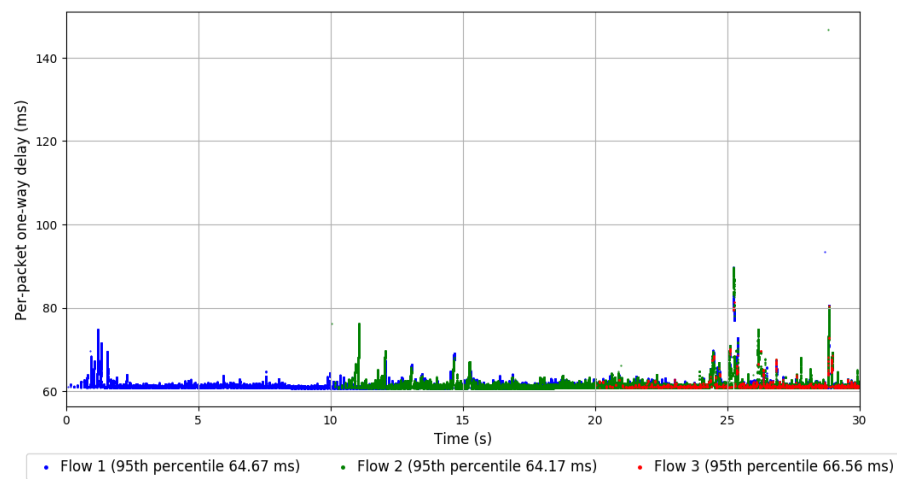
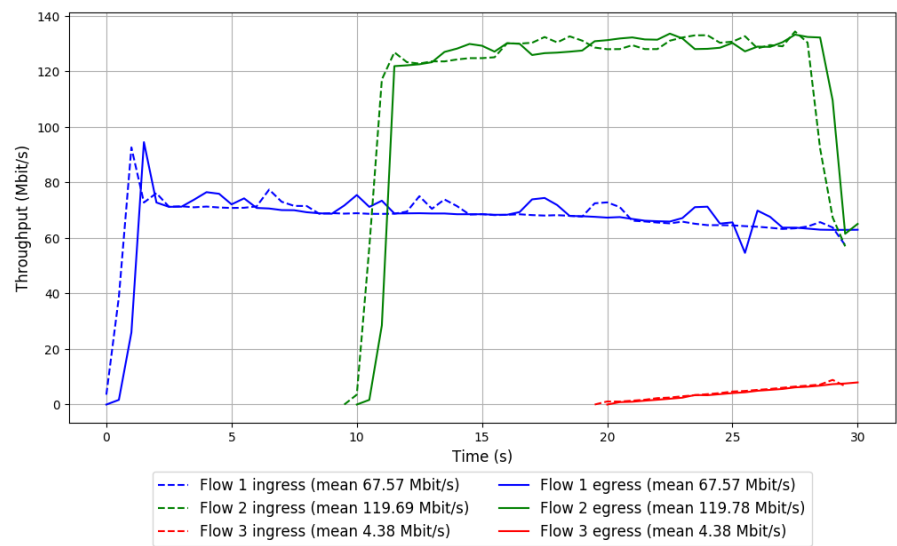


Run 8: Statistics of TCP Vegas

Start at: 2018-07-04 19:01:34
End at: 2018-07-04 19:02:04
Local clock offset: 0.053 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-04 22:44:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 148.79 Mbit/s
95th percentile per-packet one-way delay: 64.405 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.57 Mbit/s
95th percentile per-packet one-way delay: 64.667 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 119.78 Mbit/s
95th percentile per-packet one-way delay: 64.170 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 66.562 ms
Loss rate: 0.03%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-04 19:25:43

End at: 2018-07-04 19:26:13

Local clock offset: 0.074 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-04 22:46:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 243.96 Mbit/s

95th percentile per-packet one-way delay: 76.495 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 133.87 Mbit/s

95th percentile per-packet one-way delay: 74.325 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 105.49 Mbit/s

95th percentile per-packet one-way delay: 75.790 ms

Loss rate: 0.00%

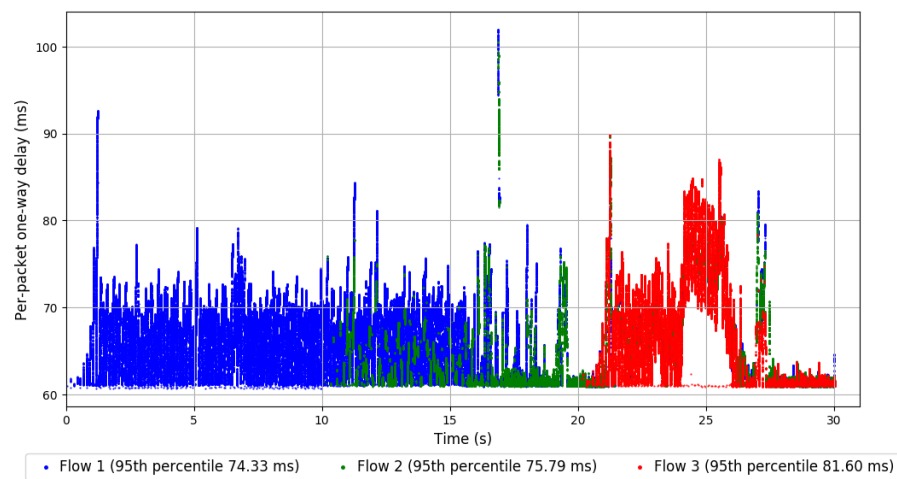
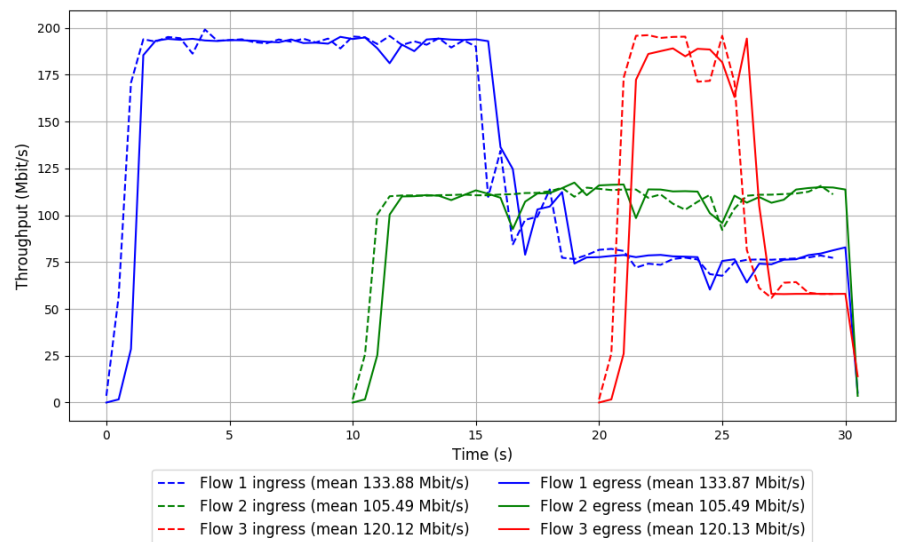
-- Flow 3:

Average throughput: 120.13 Mbit/s

95th percentile per-packet one-way delay: 81.596 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

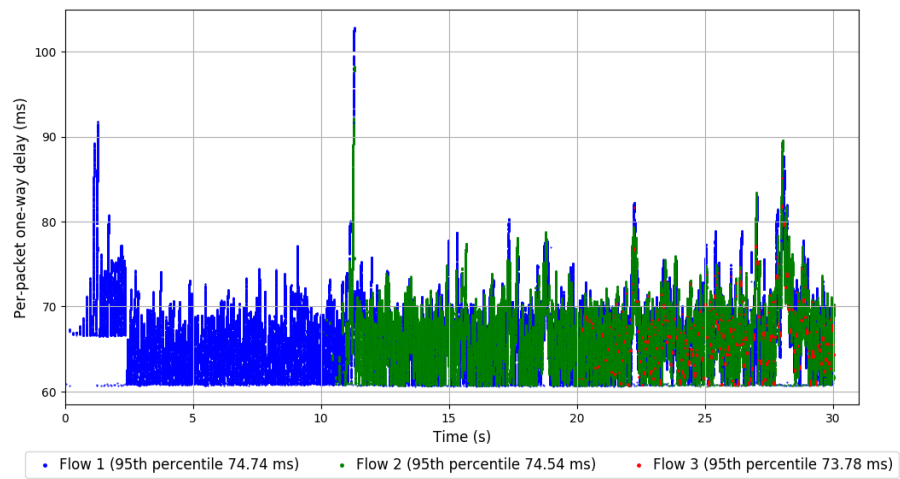
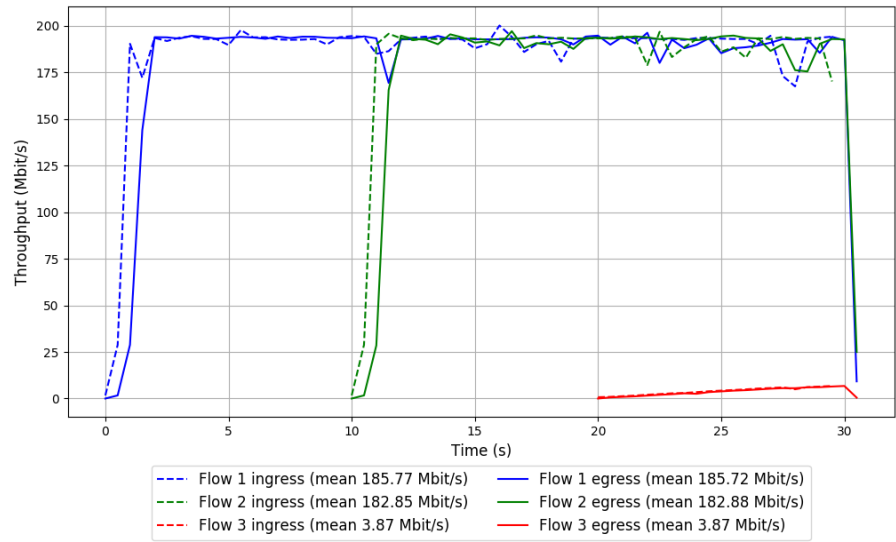


Run 10: Statistics of TCP Vegas

Start at: 2018-07-04 19:50:20
End at: 2018-07-04 19:50:50
Local clock offset: -0.046 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-07-04 22:48:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 308.61 Mbit/s
95th percentile per-packet one-way delay: 74.652 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.72 Mbit/s
95th percentile per-packet one-way delay: 74.737 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 182.88 Mbit/s
95th percentile per-packet one-way delay: 74.542 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 73.781 ms
Loss rate: 0.12%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-04 16:06:11

End at: 2018-07-04 16:06:41

Local clock offset: -0.199 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-04 22:48:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 258.25 Mbit/s

95th percentile per-packet one-way delay: 173.760 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 111.78 Mbit/s

95th percentile per-packet one-way delay: 163.175 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 172.84 Mbit/s

95th percentile per-packet one-way delay: 162.147 ms

Loss rate: 0.74%

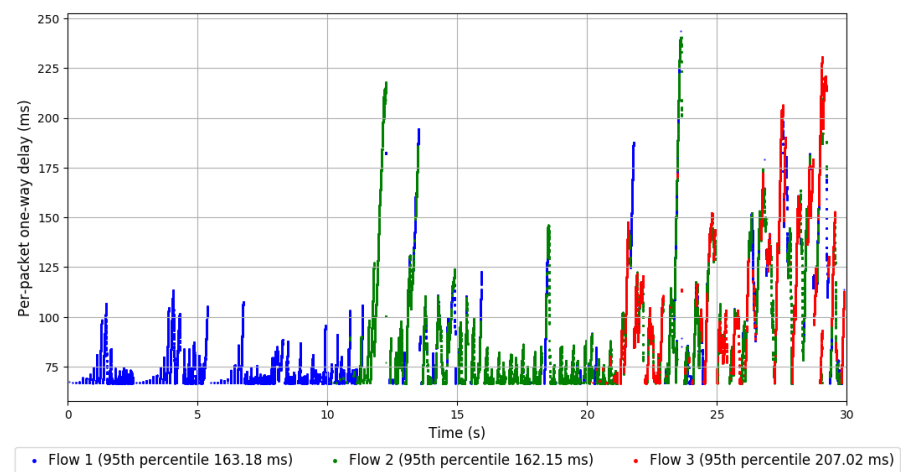
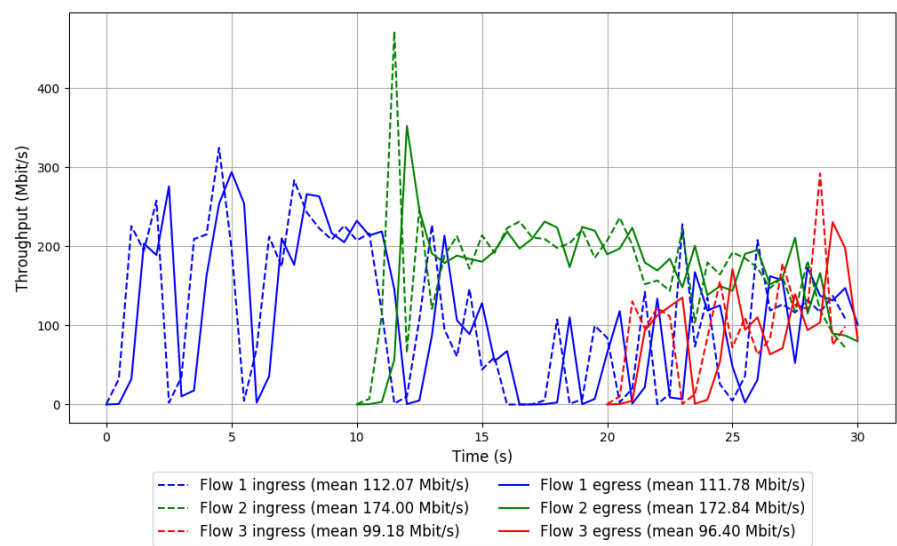
-- Flow 3:

Average throughput: 96.40 Mbit/s

95th percentile per-packet one-way delay: 207.024 ms

Loss rate: 2.86%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-04 16:30:25

End at: 2018-07-04 16:30:55

Local clock offset: -0.23 ms

Remote clock offset: 0.18 ms

Below is generated by plot.py at 2018-07-04 22:48:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 260.99 Mbit/s

95th percentile per-packet one-way delay: 175.067 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 142.23 Mbit/s

95th percentile per-packet one-way delay: 167.554 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 137.66 Mbit/s

95th percentile per-packet one-way delay: 181.038 ms

Loss rate: 0.22%

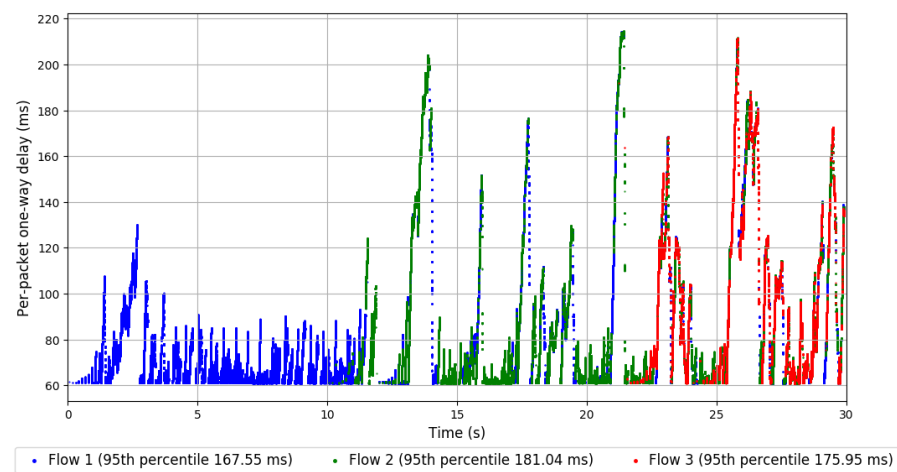
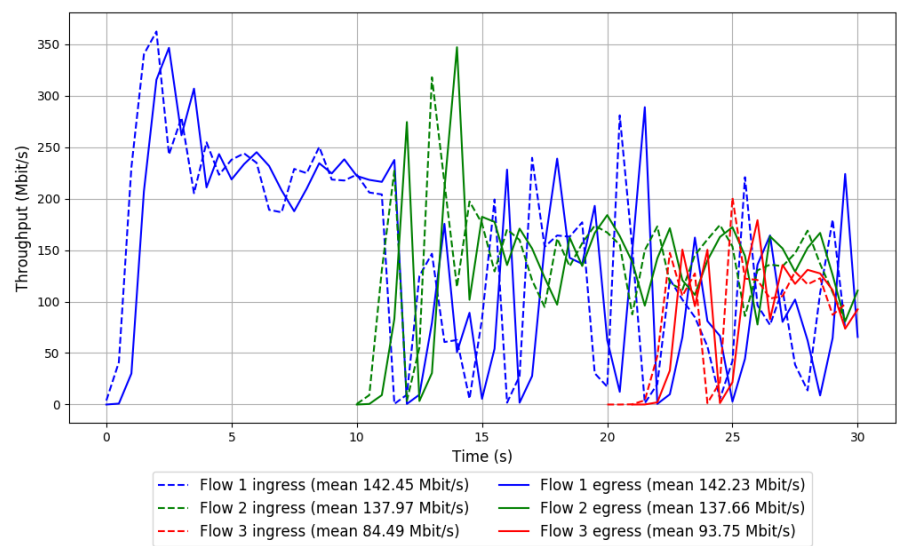
-- Flow 3:

Average throughput: 93.75 Mbit/s

95th percentile per-packet one-way delay: 175.950 ms

Loss rate: 1.82%

Run 2: Report of Verus — Data Link

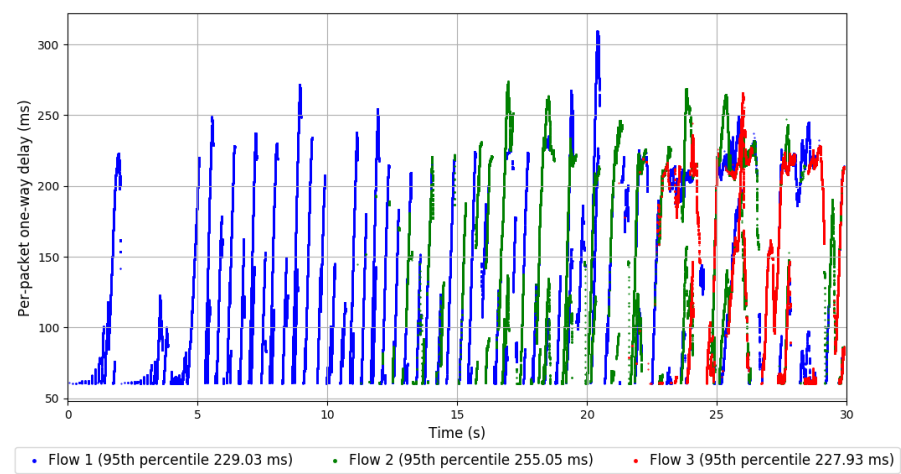
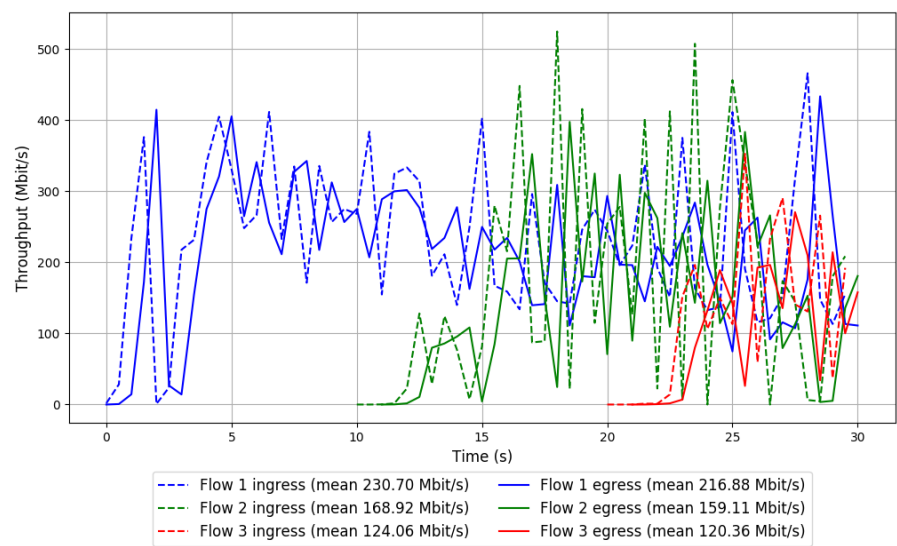


Run 3: Statistics of Verus

Start at: 2018-07-04 16:55:12
End at: 2018-07-04 16:55:42
Local clock offset: -0.054 ms
Remote clock offset: -0.271 ms

Below is generated by plot.py at 2018-07-04 22:50:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 351.89 Mbit/s
95th percentile per-packet one-way delay: 238.790 ms
Loss rate: 8.31%
-- Flow 1:
Average throughput: 216.88 Mbit/s
95th percentile per-packet one-way delay: 229.026 ms
Loss rate: 5.99%
-- Flow 2:
Average throughput: 159.11 Mbit/s
95th percentile per-packet one-way delay: 255.048 ms
Loss rate: 10.94%
-- Flow 3:
Average throughput: 120.36 Mbit/s
95th percentile per-packet one-way delay: 227.926 ms
Loss rate: 14.23%

Run 3: Report of Verus — Data Link

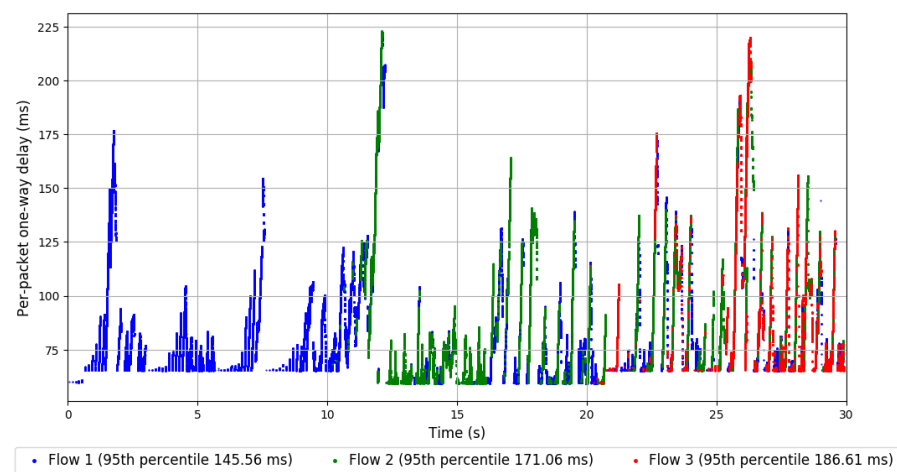
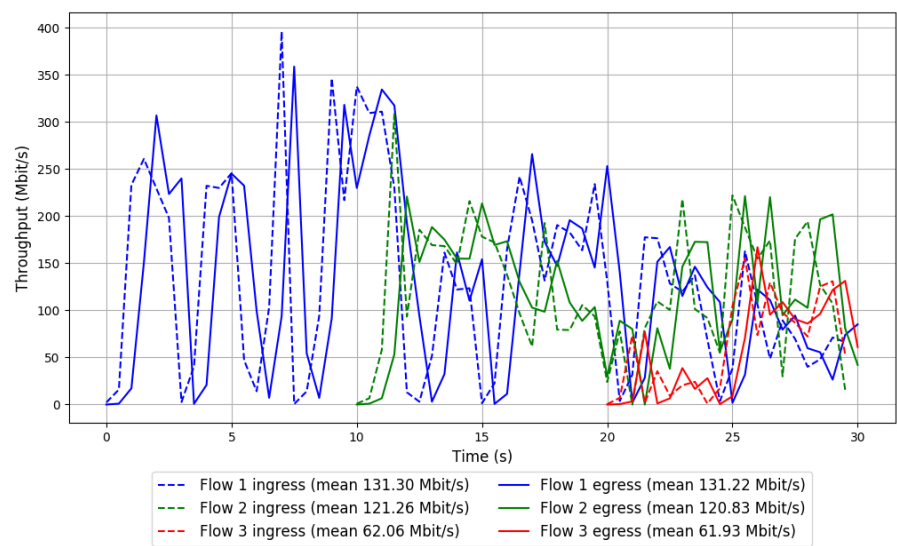


Run 4: Statistics of Verus

Start at: 2018-07-04 17:19:52
End at: 2018-07-04 17:20:22
Local clock offset: -0.125 ms
Remote clock offset: -1.541 ms

```
# Below is generated by plot.py at 2018-07-04 22:50:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 231.68 Mbit/s
95th percentile per-packet one-way delay: 160.278 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 131.22 Mbit/s
95th percentile per-packet one-way delay: 145.561 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 120.83 Mbit/s
95th percentile per-packet one-way delay: 171.061 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 61.93 Mbit/s
95th percentile per-packet one-way delay: 186.606 ms
Loss rate: 0.75%
```

Run 4: Report of Verus — Data Link

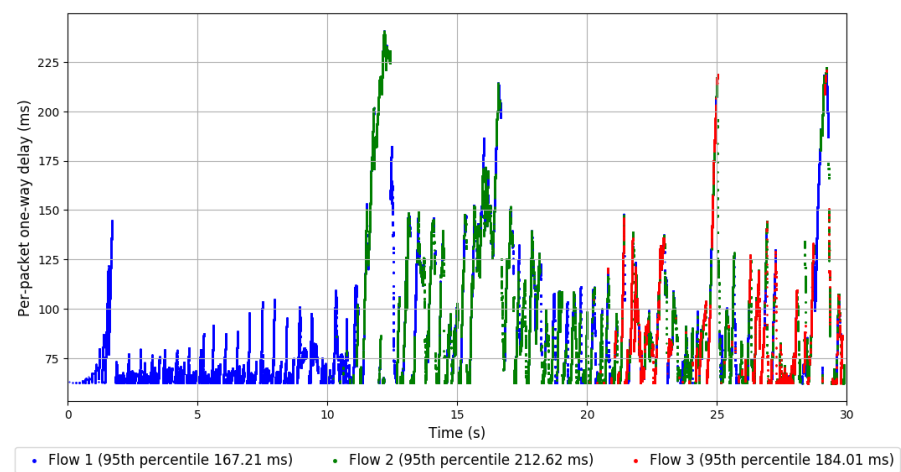
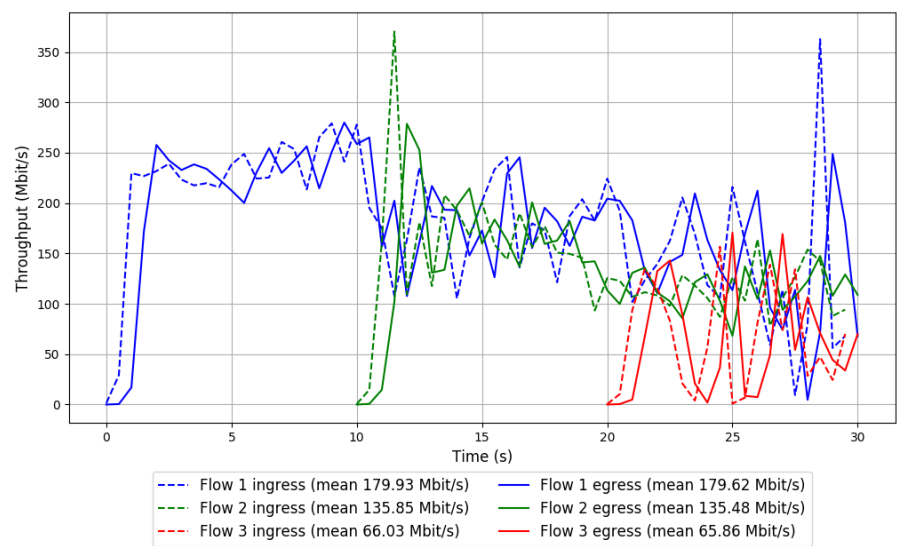


Run 5: Statistics of Verus

Start at: 2018-07-04 17:44:14
End at: 2018-07-04 17:44:44
Local clock offset: -0.132 ms
Remote clock offset: 1.199 ms

```
# Below is generated by plot.py at 2018-07-04 22:50:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 290.93 Mbit/s
95th percentile per-packet one-way delay: 187.947 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 179.62 Mbit/s
95th percentile per-packet one-way delay: 167.205 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 135.48 Mbit/s
95th percentile per-packet one-way delay: 212.617 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 65.86 Mbit/s
95th percentile per-packet one-way delay: 184.011 ms
Loss rate: 0.02%
```


Run 5: Report of Verus — Data Link

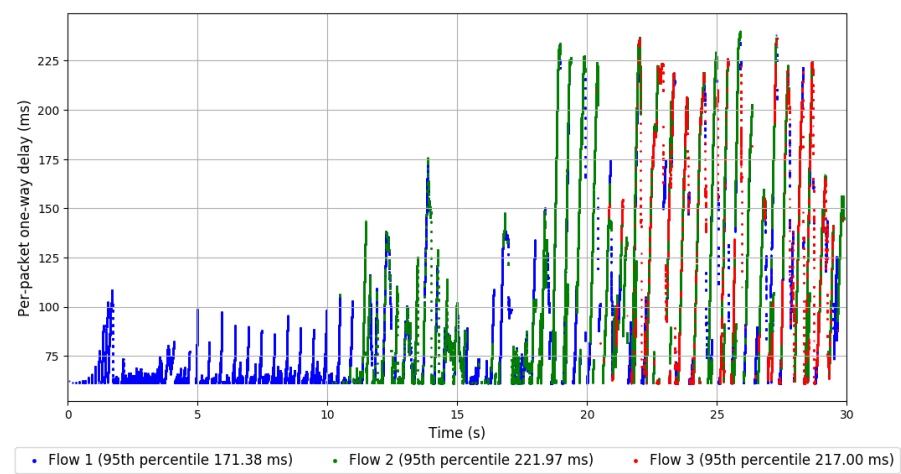
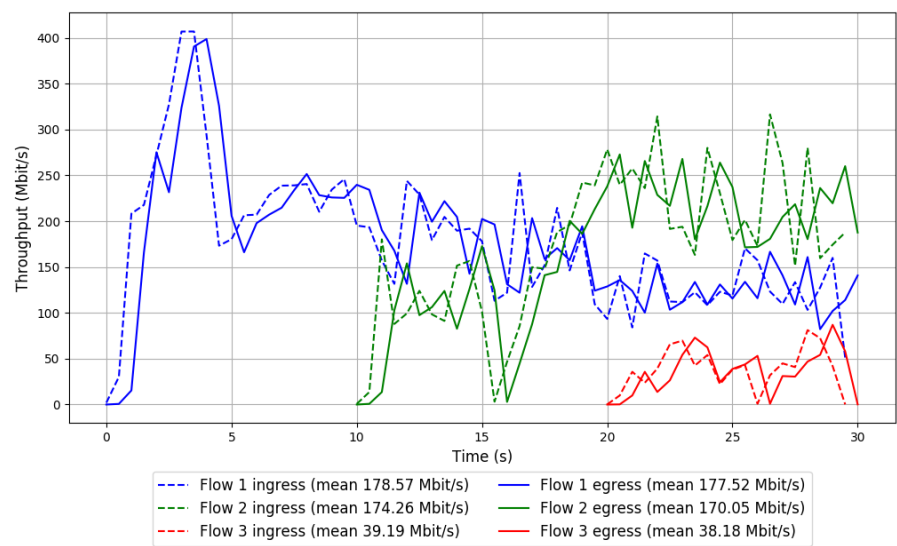


Run 6: Statistics of Verus

Start at: 2018-07-04 18:08:49
End at: 2018-07-04 18:09:19
Local clock offset: -0.163 ms
Remote clock offset: 0.116 ms

Below is generated by plot.py at 2018-07-04 22:50:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 301.94 Mbit/s
95th percentile per-packet one-way delay: 213.384 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 177.52 Mbit/s
95th percentile per-packet one-way delay: 171.379 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 170.05 Mbit/s
95th percentile per-packet one-way delay: 221.973 ms
Loss rate: 2.01%
-- Flow 3:
Average throughput: 38.18 Mbit/s
95th percentile per-packet one-way delay: 217.004 ms
Loss rate: 1.87%

Run 6: Report of Verus — Data Link

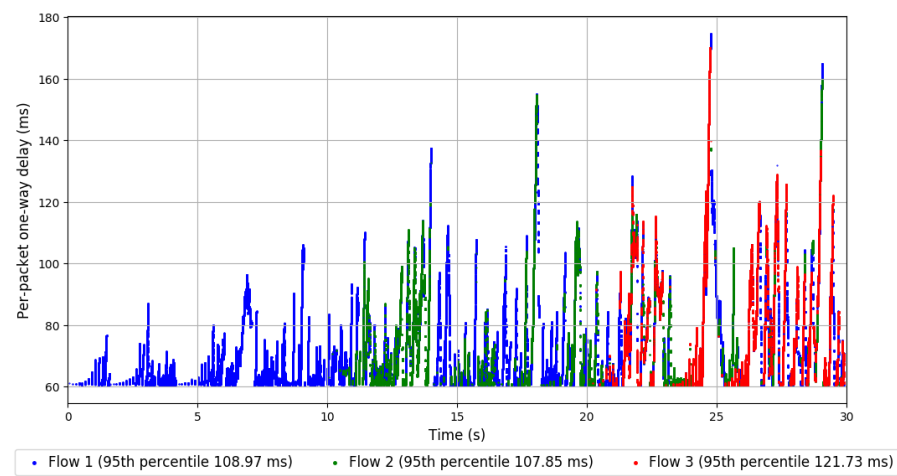
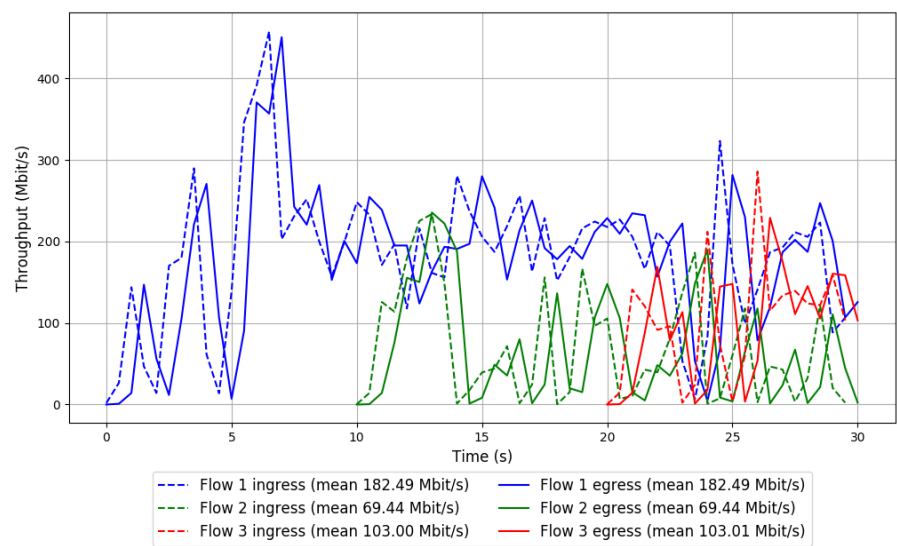


Run 7: Statistics of Verus

Start at: 2018-07-04 18:33:26
End at: 2018-07-04 18:33:56
Local clock offset: -0.032 ms
Remote clock offset: -0.437 ms

Below is generated by plot.py at 2018-07-04 22:51:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 262.37 Mbit/s
95th percentile per-packet one-way delay: 111.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 182.49 Mbit/s
95th percentile per-packet one-way delay: 108.974 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.44 Mbit/s
95th percentile per-packet one-way delay: 107.847 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 103.01 Mbit/s
95th percentile per-packet one-way delay: 121.732 ms
Loss rate: 0.00%

Run 7: Report of Verus — Data Link

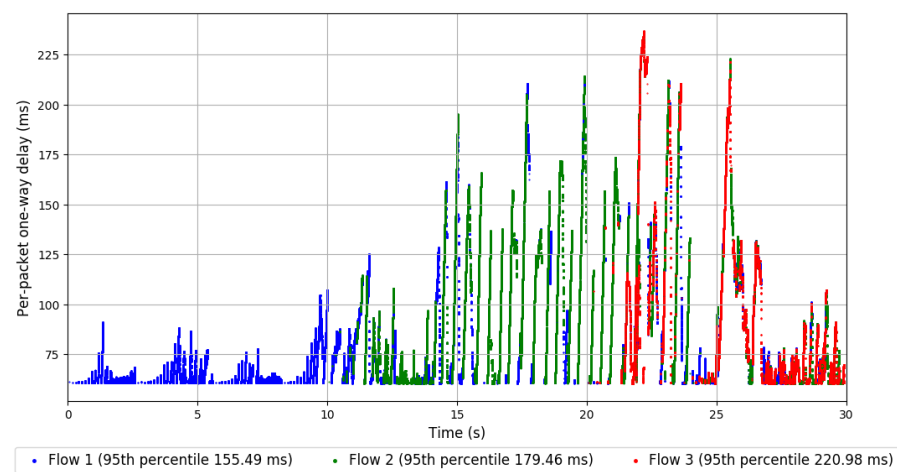
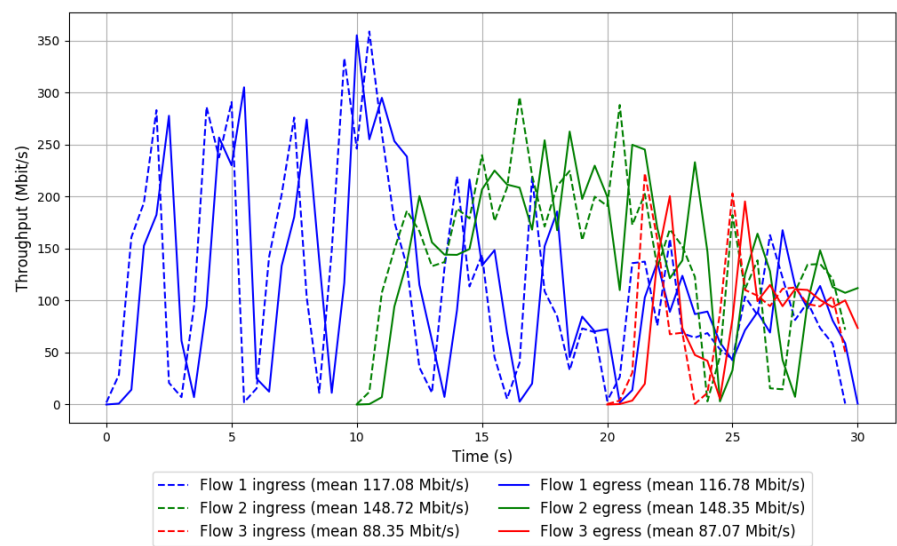


Run 8: Statistics of Verus

Start at: 2018-07-04 18:58:12
End at: 2018-07-04 18:58:42
Local clock offset: -0.022 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-04 22:52:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 243.54 Mbit/s
95th percentile per-packet one-way delay: 181.808 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 116.78 Mbit/s
95th percentile per-packet one-way delay: 155.493 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 148.35 Mbit/s
95th percentile per-packet one-way delay: 179.464 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 87.07 Mbit/s
95th percentile per-packet one-way delay: 220.983 ms
Loss rate: 1.46%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-04 19:22:20

End at: 2018-07-04 19:22:50

Local clock offset: 0.077 ms

Remote clock offset: 0.292 ms

Below is generated by plot.py at 2018-07-04 22:53:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 277.13 Mbit/s

95th percentile per-packet one-way delay: 181.203 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 153.13 Mbit/s

95th percentile per-packet one-way delay: 154.614 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 127.39 Mbit/s

95th percentile per-packet one-way delay: 175.693 ms

Loss rate: 0.82%

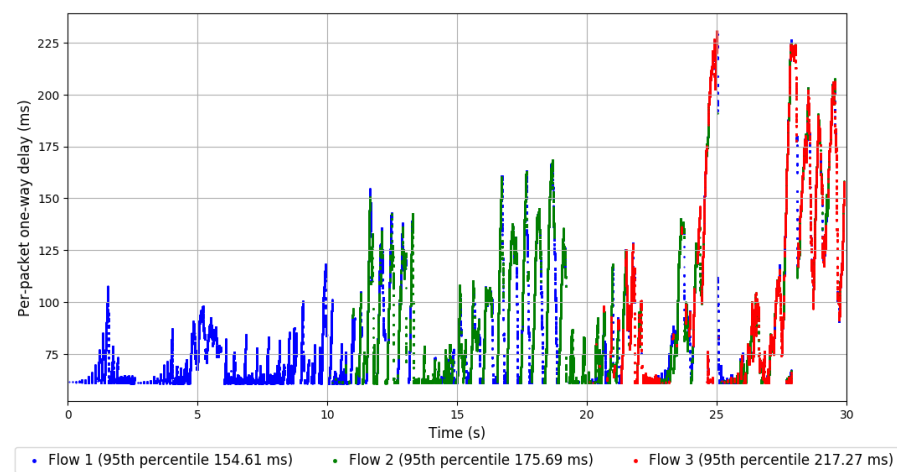
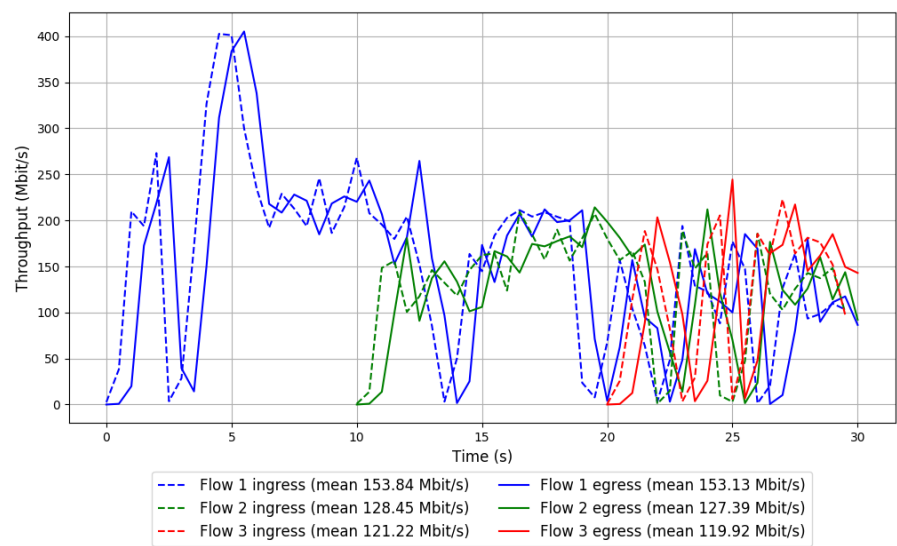
-- Flow 3:

Average throughput: 119.92 Mbit/s

95th percentile per-packet one-way delay: 217.268 ms

Loss rate: 1.08%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-04 19:46:55

End at: 2018-07-04 19:47:25

Local clock offset: -0.088 ms

Remote clock offset: 0.206 ms

Below is generated by plot.py at 2018-07-04 22:53:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 246.84 Mbit/s

95th percentile per-packet one-way delay: 191.272 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 144.14 Mbit/s

95th percentile per-packet one-way delay: 207.115 ms

Loss rate: 0.91%

-- Flow 2:

Average throughput: 104.07 Mbit/s

95th percentile per-packet one-way delay: 125.505 ms

Loss rate: 0.03%

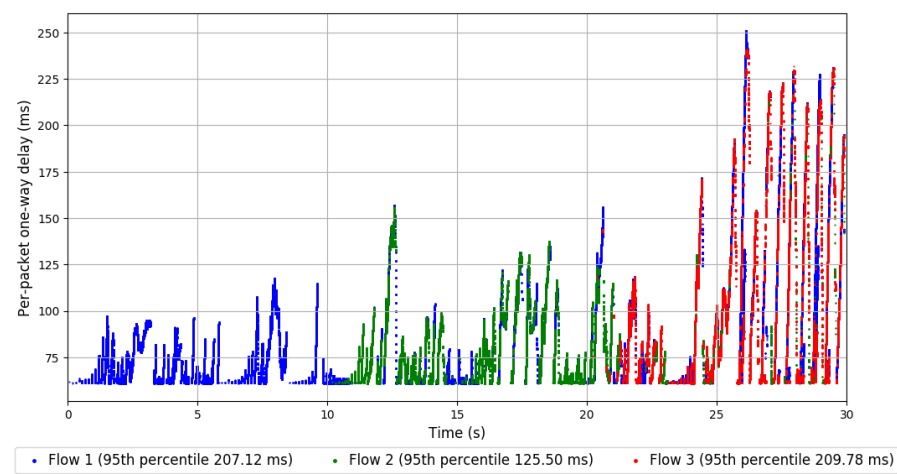
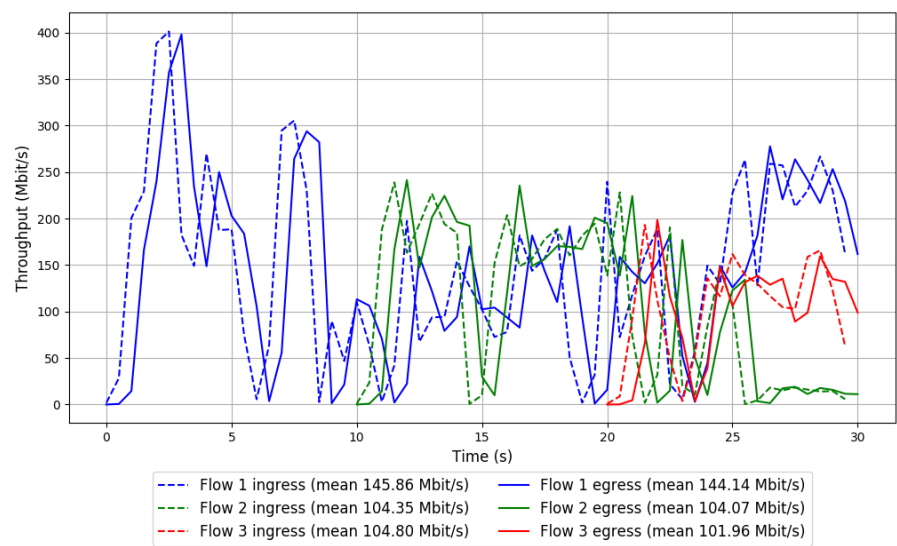
-- Flow 3:

Average throughput: 101.96 Mbit/s

95th percentile per-packet one-way delay: 209.778 ms

Loss rate: 1.49%

Run 10: Report of Verus — Data Link

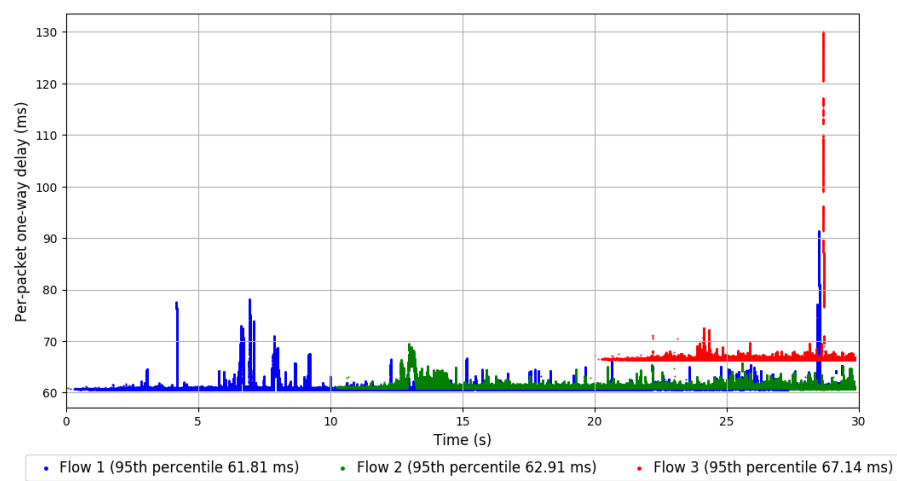
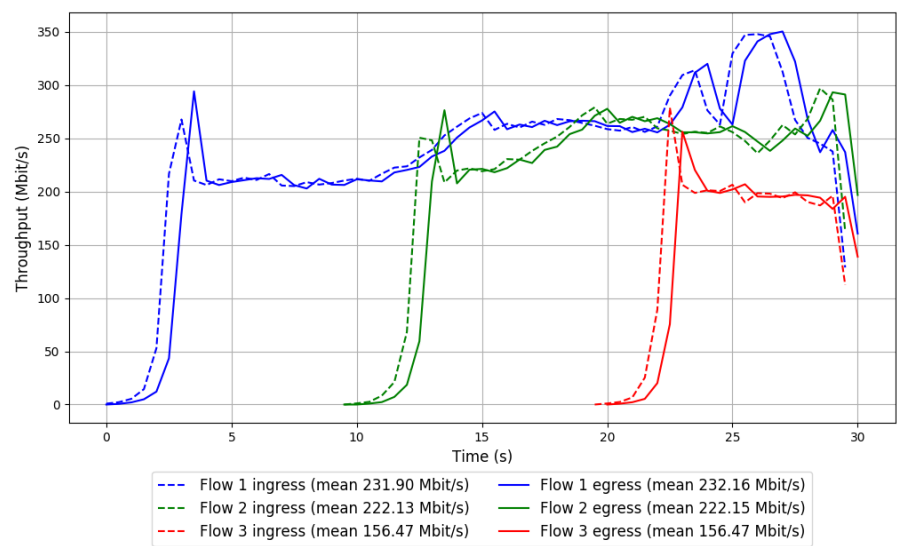


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-04 16:02:55
End at: 2018-07-04 16:03:25
Local clock offset: -0.168 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2018-07-04 22:57:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 431.96 Mbit/s
95th percentile per-packet one-way delay: 66.606 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 232.16 Mbit/s
95th percentile per-packet one-way delay: 61.813 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 222.15 Mbit/s
95th percentile per-packet one-way delay: 62.905 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 156.47 Mbit/s
95th percentile per-packet one-way delay: 67.135 ms
Loss rate: 0.06%

Run 1: Report of PCC-Vivace — Data Link

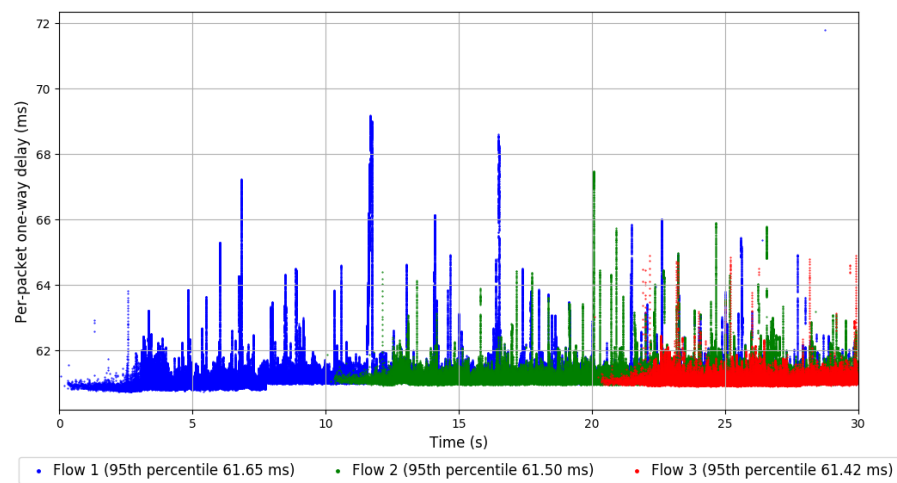
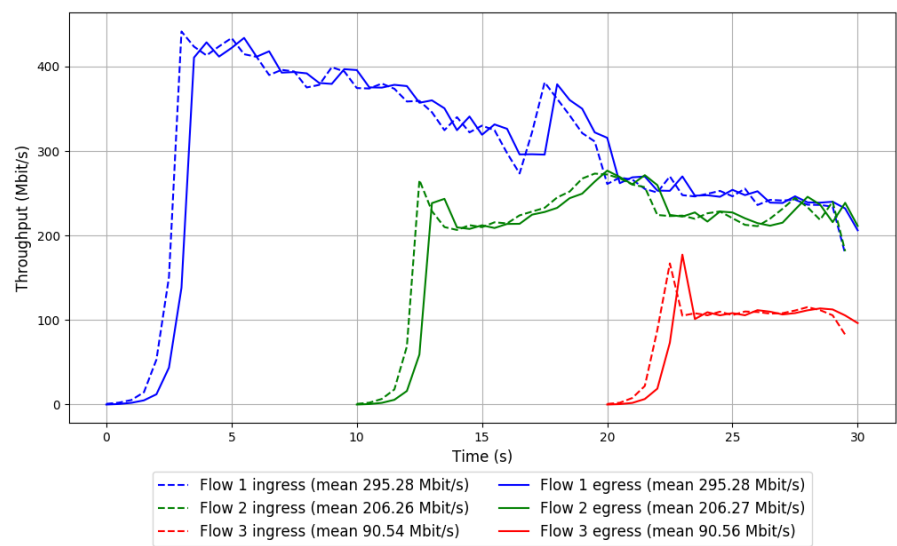


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-04 16:27:05
End at: 2018-07-04 16:27:35
Local clock offset: -0.212 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-04 22:59:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 462.28 Mbit/s
95th percentile per-packet one-way delay: 61.567 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 295.28 Mbit/s
95th percentile per-packet one-way delay: 61.648 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 206.27 Mbit/s
95th percentile per-packet one-way delay: 61.503 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 90.56 Mbit/s
95th percentile per-packet one-way delay: 61.421 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

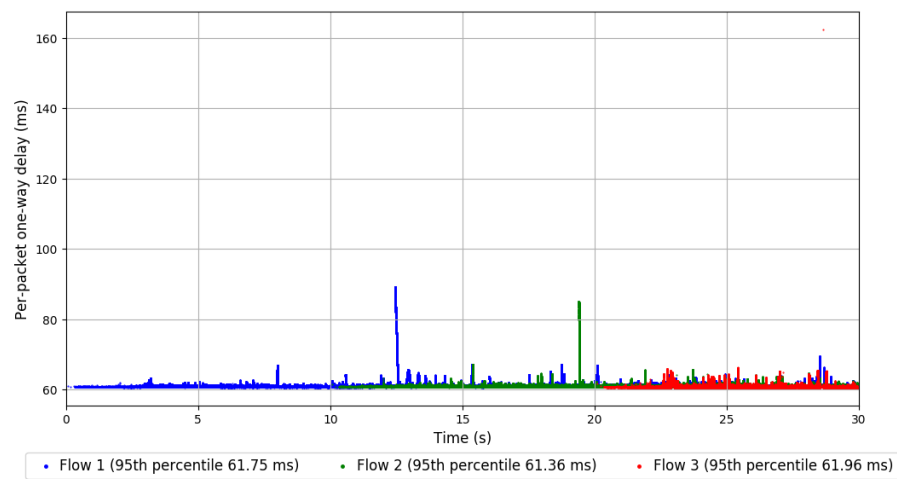
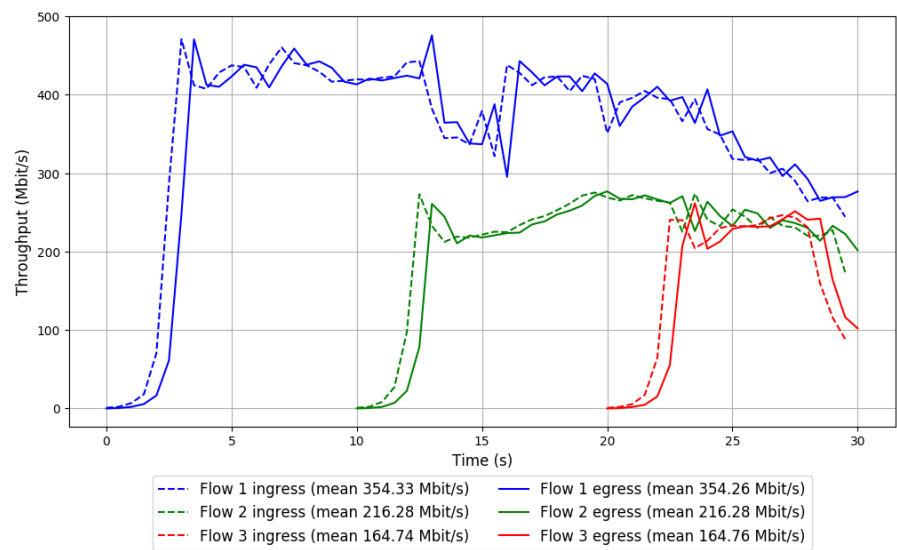


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-04 16:51:47
End at: 2018-07-04 16:52:17
Local clock offset: -0.092 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-07-04 23:02:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 552.39 Mbit/s
95th percentile per-packet one-way delay: 61.623 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 354.26 Mbit/s
95th percentile per-packet one-way delay: 61.746 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 216.28 Mbit/s
95th percentile per-packet one-way delay: 61.363 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 164.76 Mbit/s
95th percentile per-packet one-way delay: 61.957 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

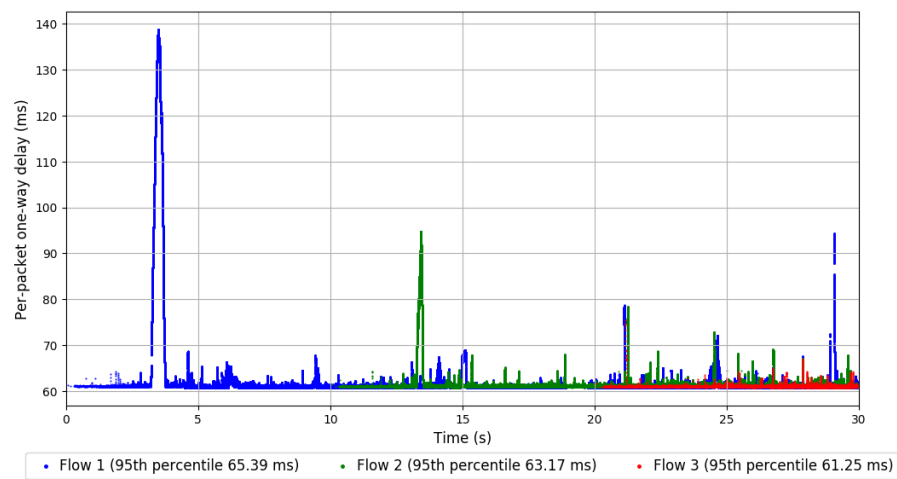
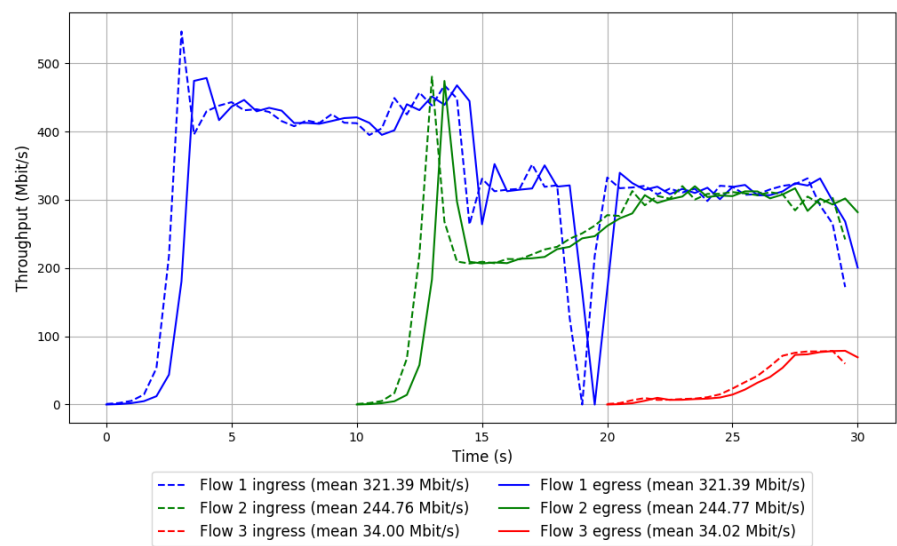


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-04 17:16:38
End at: 2018-07-04 17:17:08
Local clock offset: -0.148 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2018-07-04 23:02:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 495.37 Mbit/s
95th percentile per-packet one-way delay: 64.411 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 321.39 Mbit/s
95th percentile per-packet one-way delay: 65.395 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 244.77 Mbit/s
95th percentile per-packet one-way delay: 63.171 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.02 Mbit/s
95th percentile per-packet one-way delay: 61.249 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

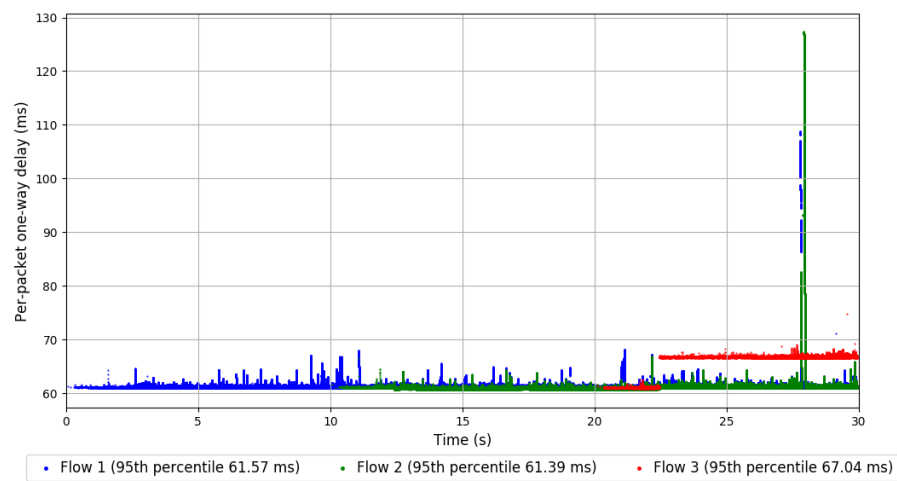
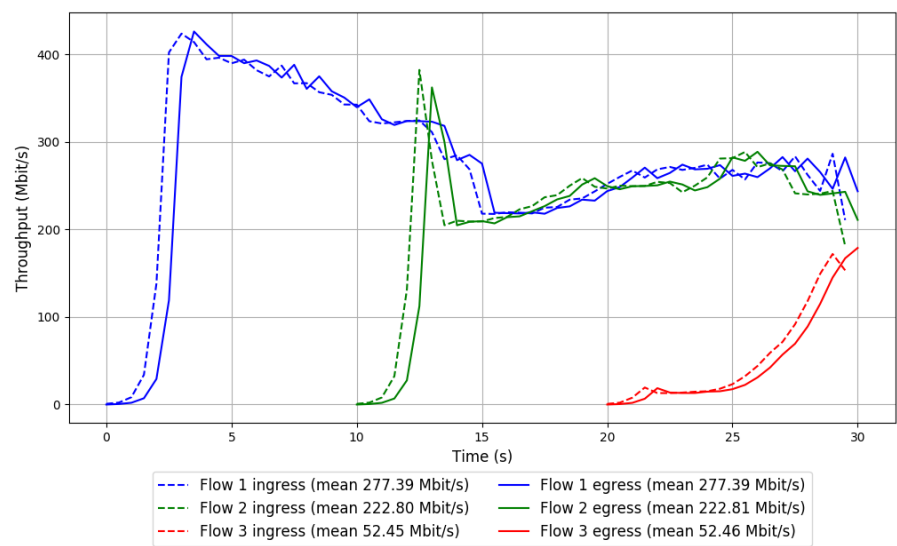


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-04 17:41:00
End at: 2018-07-04 17:41:30
Local clock offset: -0.143 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-07-04 23:02:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 442.80 Mbit/s
95th percentile per-packet one-way delay: 63.086 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 277.39 Mbit/s
95th percentile per-packet one-way delay: 61.571 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 222.81 Mbit/s
95th percentile per-packet one-way delay: 61.390 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.46 Mbit/s
95th percentile per-packet one-way delay: 67.043 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

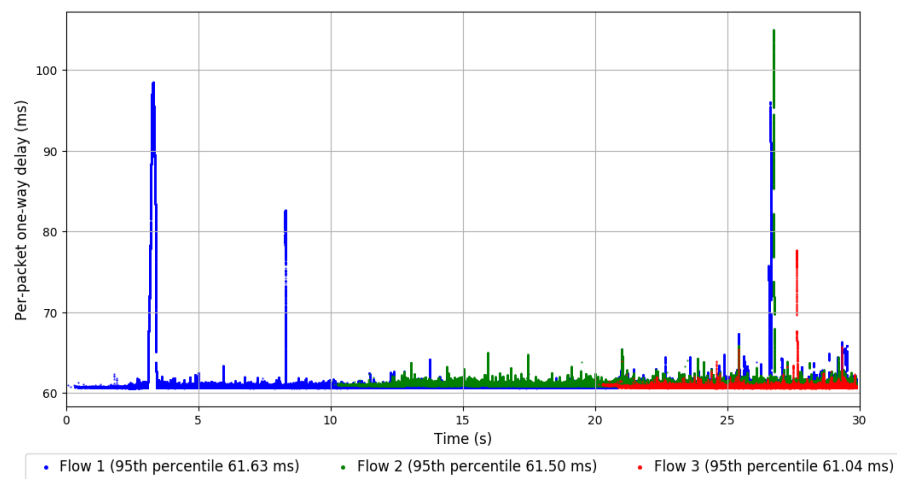
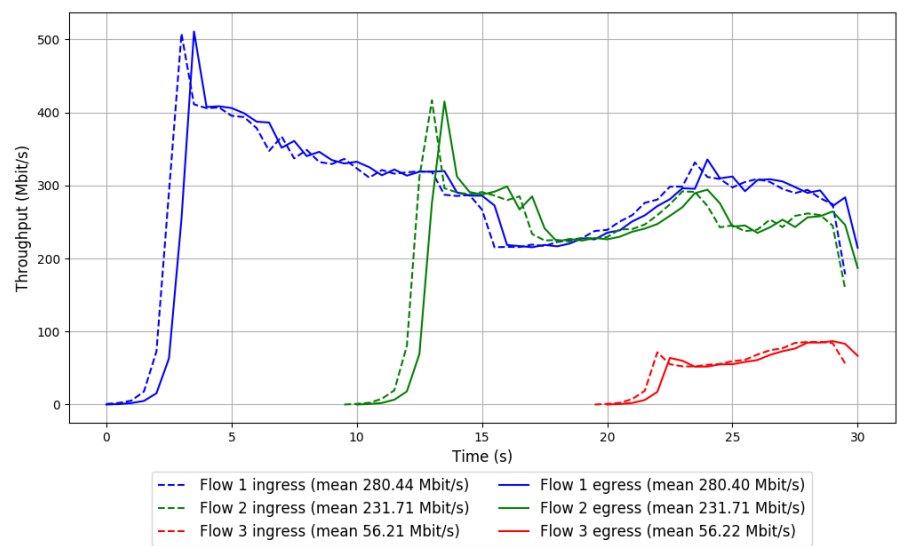


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-04 18:05:32
End at: 2018-07-04 18:06:02
Local clock offset: -0.129 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-04 23:02:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 453.38 Mbit/s
95th percentile per-packet one-way delay: 61.530 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 280.40 Mbit/s
95th percentile per-packet one-way delay: 61.634 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 231.71 Mbit/s
95th percentile per-packet one-way delay: 61.498 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 56.22 Mbit/s
95th percentile per-packet one-way delay: 61.043 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

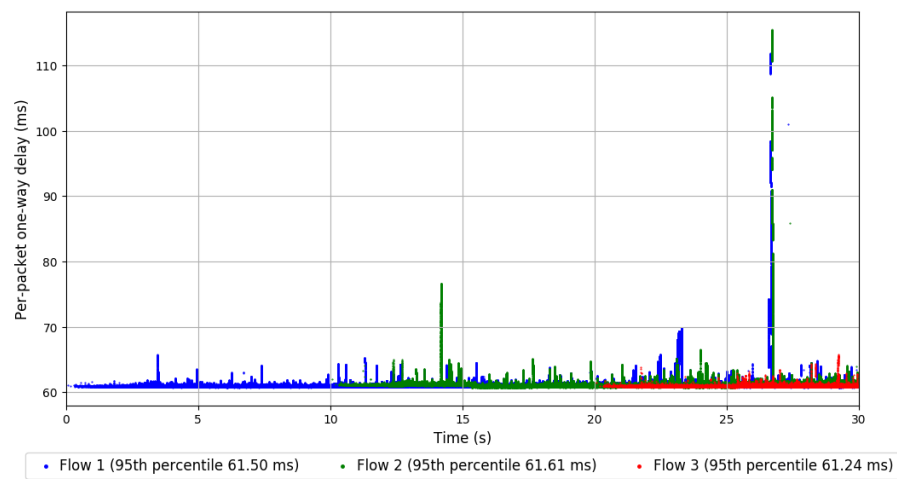
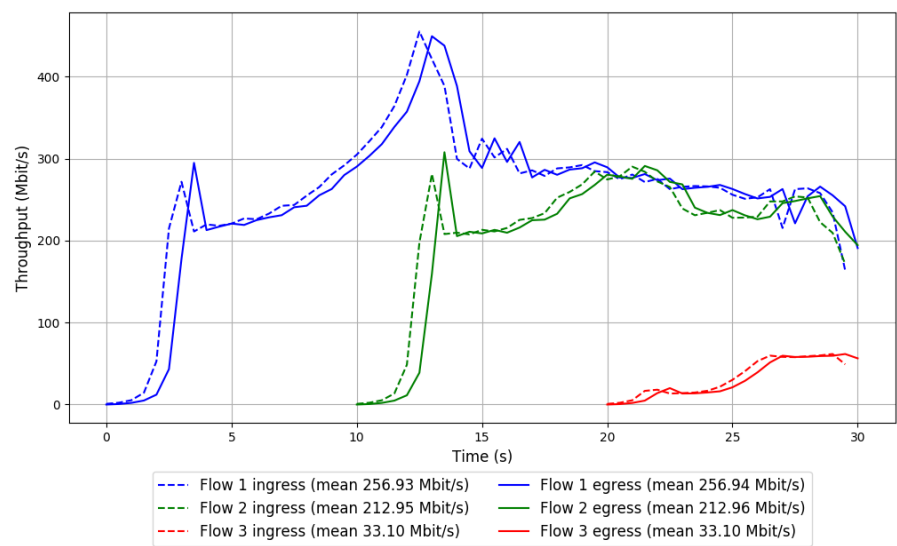


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-04 18:30:07
End at: 2018-07-04 18:30:37
Local clock offset: -0.079 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-04 23:02:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 409.48 Mbit/s
95th percentile per-packet one-way delay: 61.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 256.94 Mbit/s
95th percentile per-packet one-way delay: 61.499 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 212.96 Mbit/s
95th percentile per-packet one-way delay: 61.612 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.10 Mbit/s
95th percentile per-packet one-way delay: 61.245 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

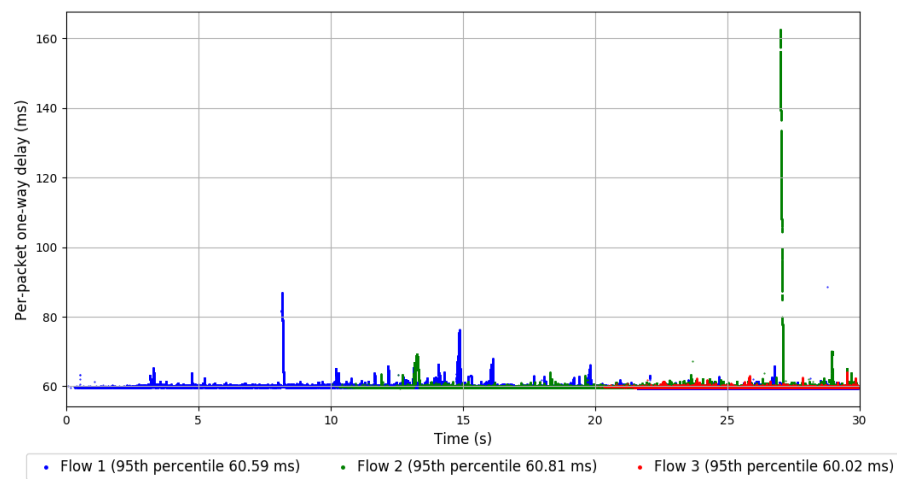
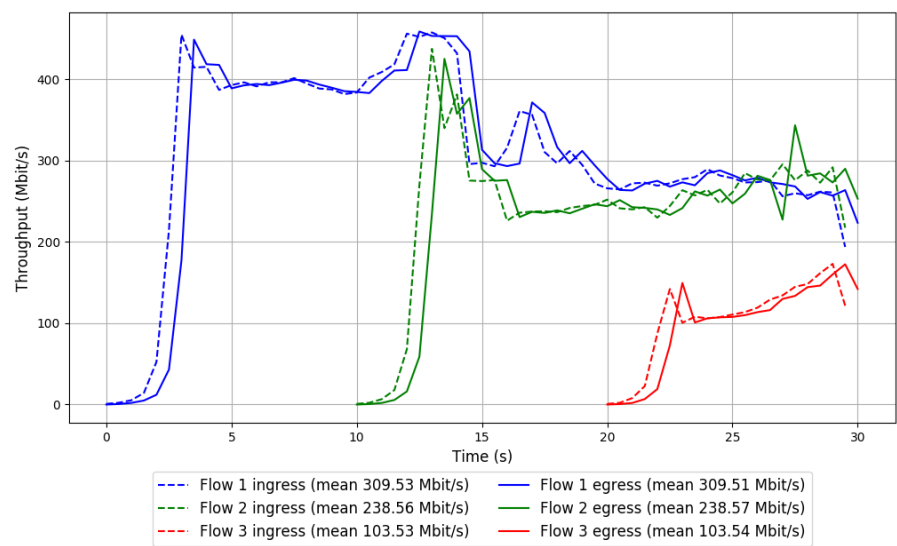


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-04 18:54:51
End at: 2018-07-04 18:55:21
Local clock offset: -0.005 ms
Remote clock offset: -1.236 ms

Below is generated by plot.py at 2018-07-04 23:02:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 502.32 Mbit/s
95th percentile per-packet one-way delay: 60.582 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 309.51 Mbit/s
95th percentile per-packet one-way delay: 60.595 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 238.57 Mbit/s
95th percentile per-packet one-way delay: 60.813 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 103.54 Mbit/s
95th percentile per-packet one-way delay: 60.018 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-04 19:19:20

End at: 2018-07-04 19:19:50

Local clock offset: 0.023 ms

Remote clock offset: 0.261 ms

Below is generated by plot.py at 2018-07-04 23:02:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 239.03 Mbit/s

95th percentile per-packet one-way delay: 62.229 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 2.50 Mbit/s

95th percentile per-packet one-way delay: 61.765 ms

Loss rate: 3.61%

-- Flow 2:

Average throughput: 267.59 Mbit/s

95th percentile per-packet one-way delay: 62.501 ms

Loss rate: 0.00%

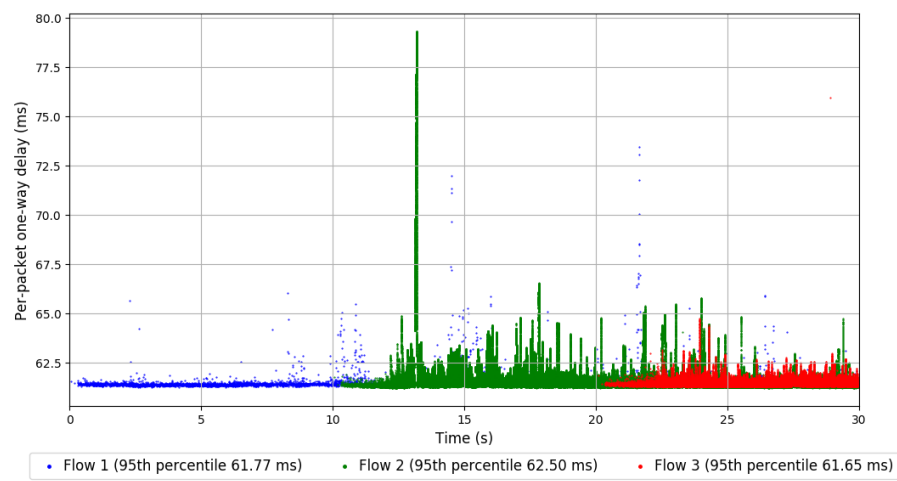
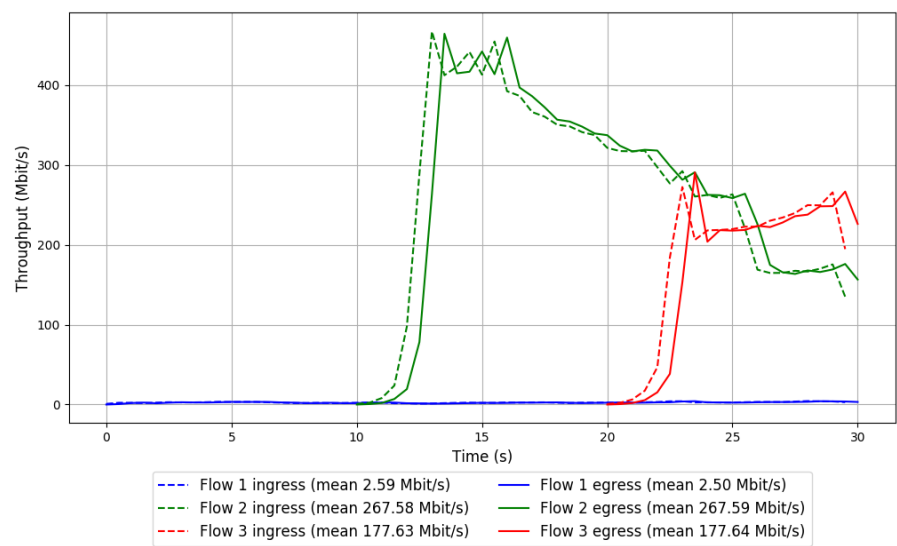
-- Flow 3:

Average throughput: 177.64 Mbit/s

95th percentile per-packet one-way delay: 61.648 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

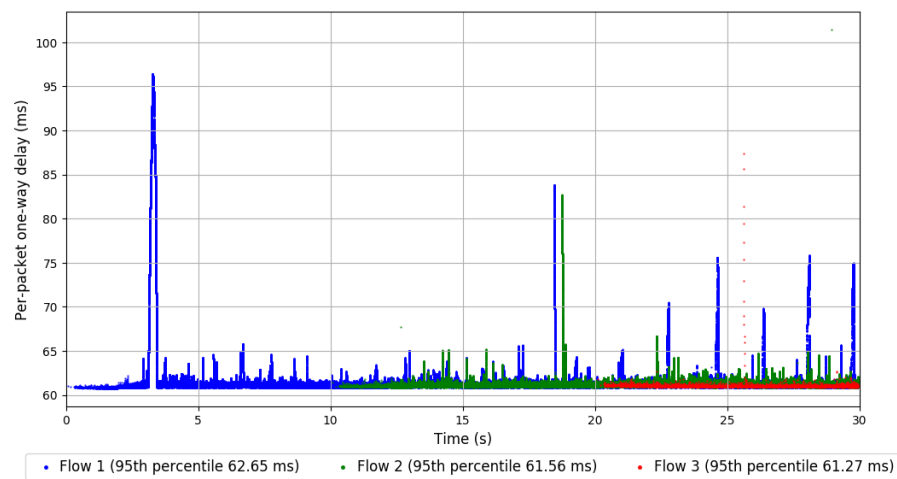
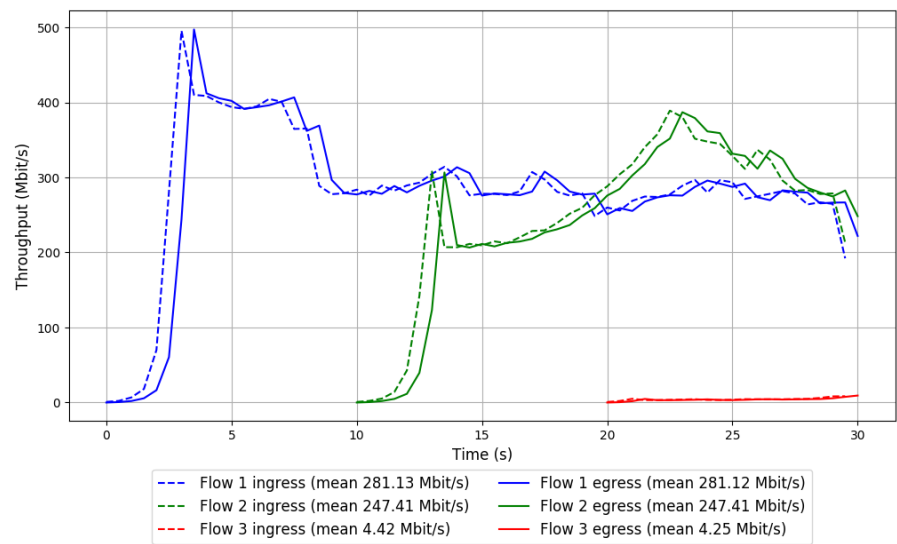


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-04 19:43:41
End at: 2018-07-04 19:44:11
Local clock offset: -0.031 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-04 23:03:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 447.04 Mbit/s
95th percentile per-packet one-way delay: 61.864 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 281.12 Mbit/s
95th percentile per-packet one-way delay: 62.646 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 247.41 Mbit/s
95th percentile per-packet one-way delay: 61.563 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 61.268 ms
Loss rate: 3.80%

Run 10: Report of PCC-Vivace — Data Link

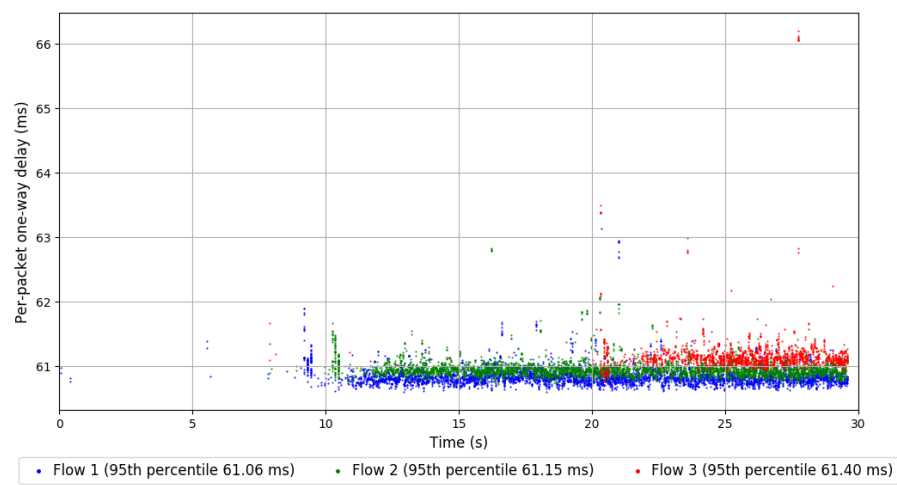
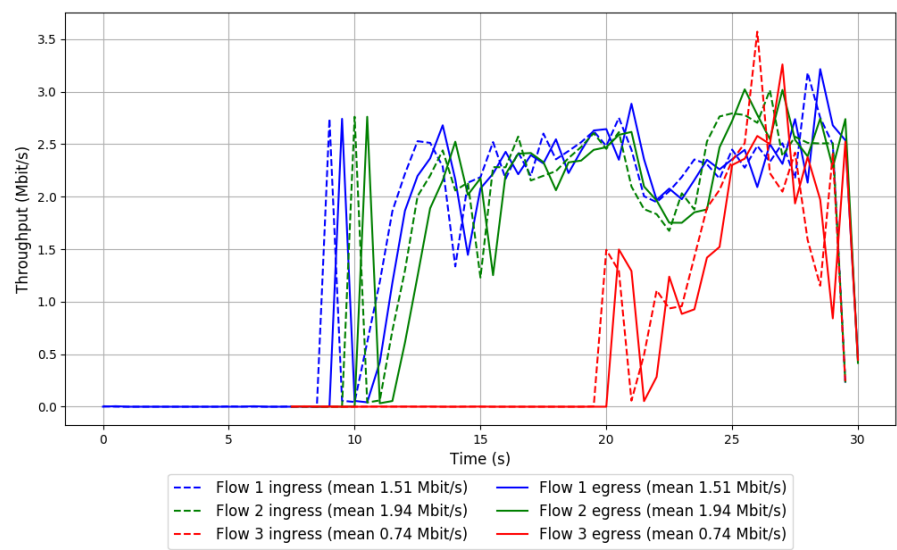


Run 1: Statistics of WebRTC media

Start at: 2018-07-04 16:13:11
End at: 2018-07-04 16:13:41
Local clock offset: -0.196 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-04 23:03:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 61.228 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 61.061 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 61.146 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 61.404 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

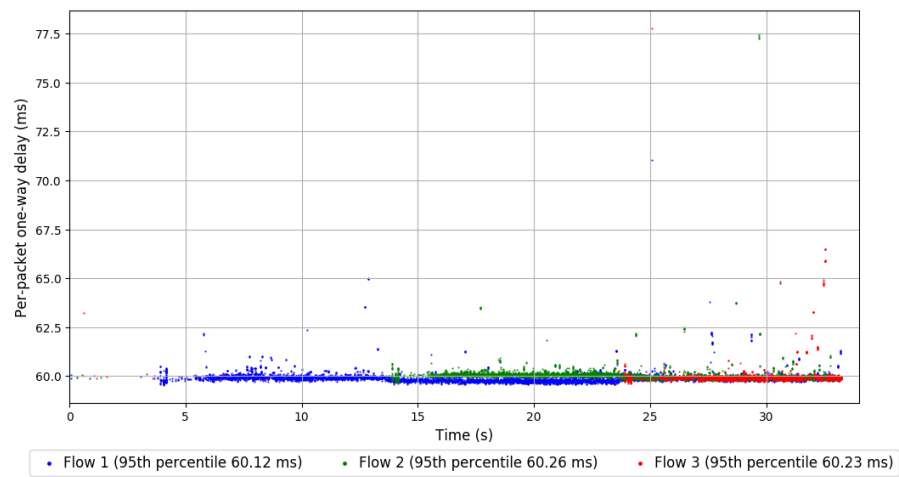
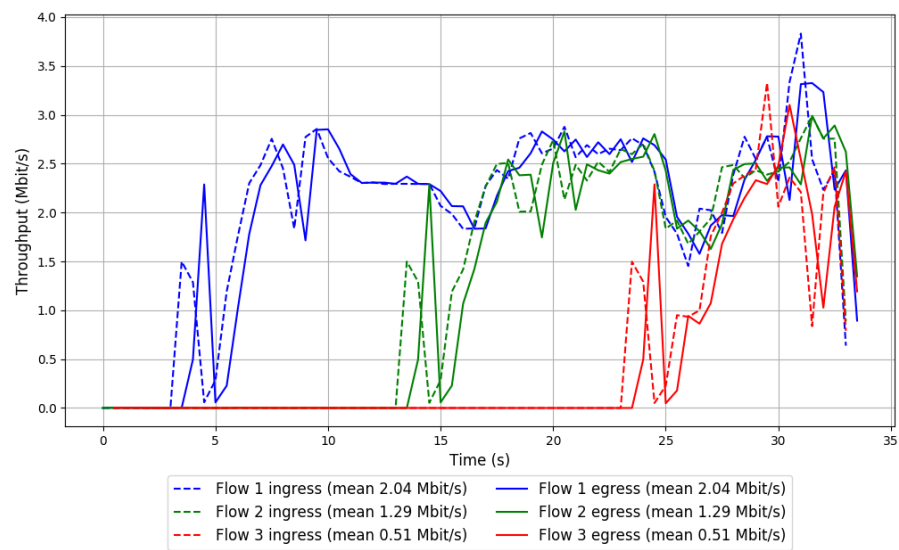


Run 2: Statistics of WebRTC media

Start at: 2018-07-04 16:37:32
End at: 2018-07-04 16:38:02
Local clock offset: -0.224 ms
Remote clock offset: -1.268 ms

Below is generated by plot.py at 2018-07-04 23:03:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 60.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 60.120 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 60.259 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 60.235 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

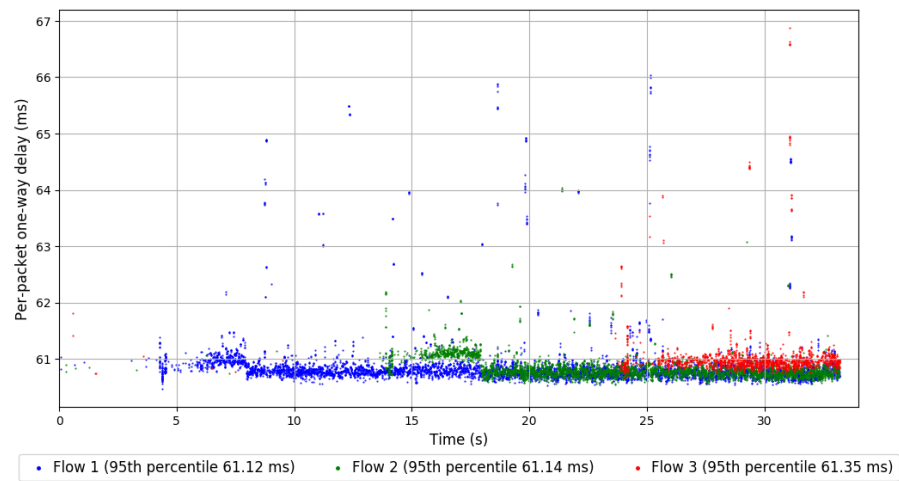
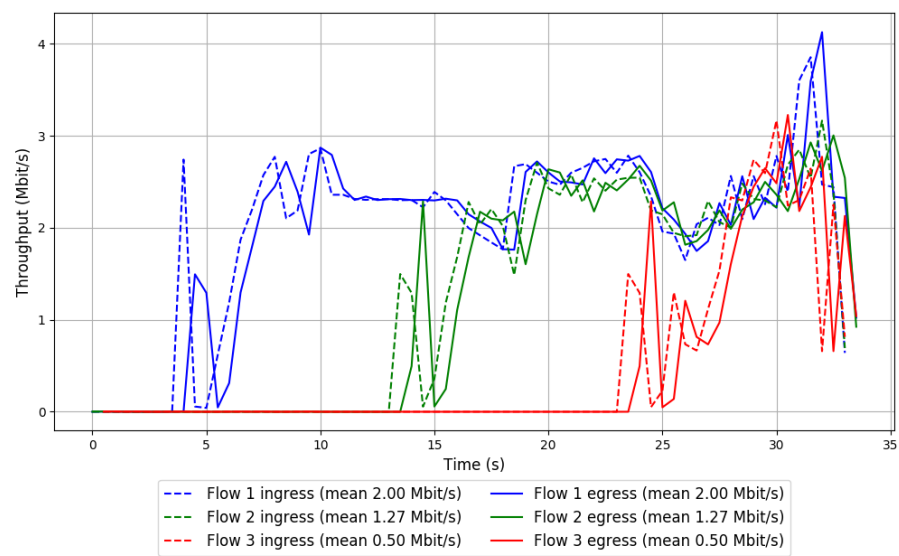


Run 3: Statistics of WebRTC media

Start at: 2018-07-04 17:02:18
End at: 2018-07-04 17:02:48
Local clock offset: -0.041 ms
Remote clock offset: -0.231 ms

Below is generated by plot.py at 2018-07-04 23:03:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.75 Mbit/s
95th percentile per-packet one-way delay: 61.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 61.120 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 61.141 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 61.351 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-04 17:26:59

End at: 2018-07-04 17:27:29

Local clock offset: -0.133 ms

Remote clock offset: 0.158 ms

Below is generated by plot.py at 2018-07-04 23:03:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.78 Mbit/s

95th percentile per-packet one-way delay: 61.675 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 61.658 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 61.583 ms

Loss rate: 0.00%

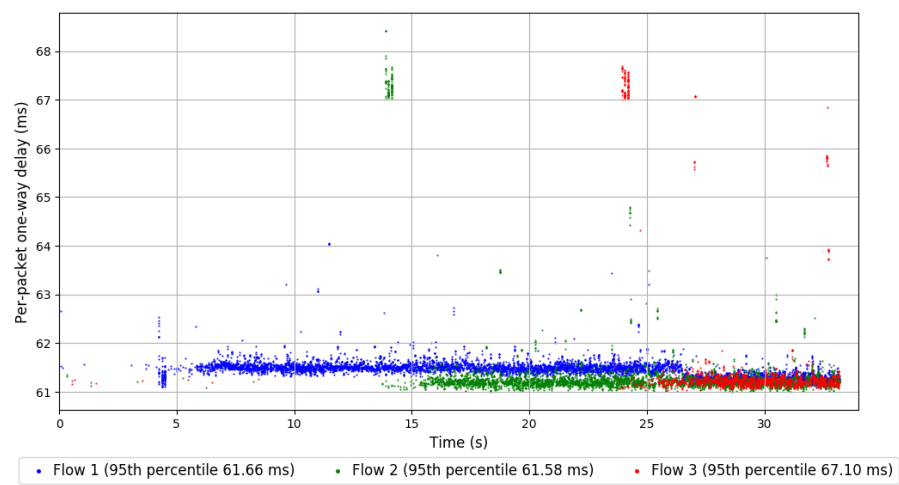
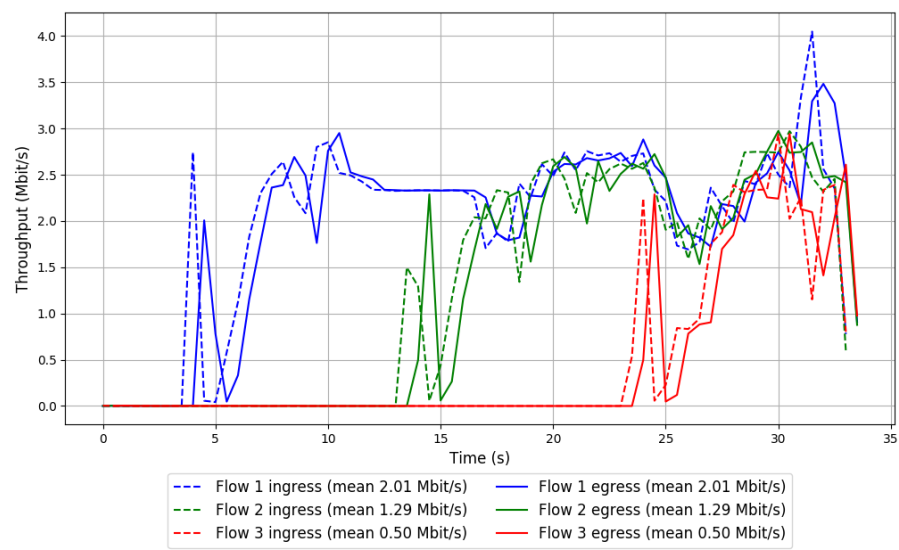
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 67.098 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-04 17:51:23

End at: 2018-07-04 17:51:53

Local clock offset: -0.129 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2018-07-04 23:03:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.77 Mbit/s

95th percentile per-packet one-way delay: 61.581 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 61.565 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 61.525 ms

Loss rate: 0.00%

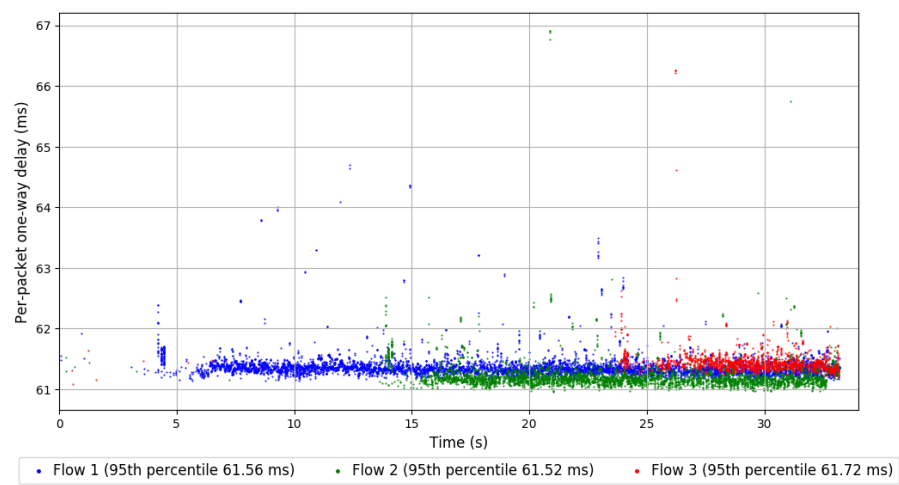
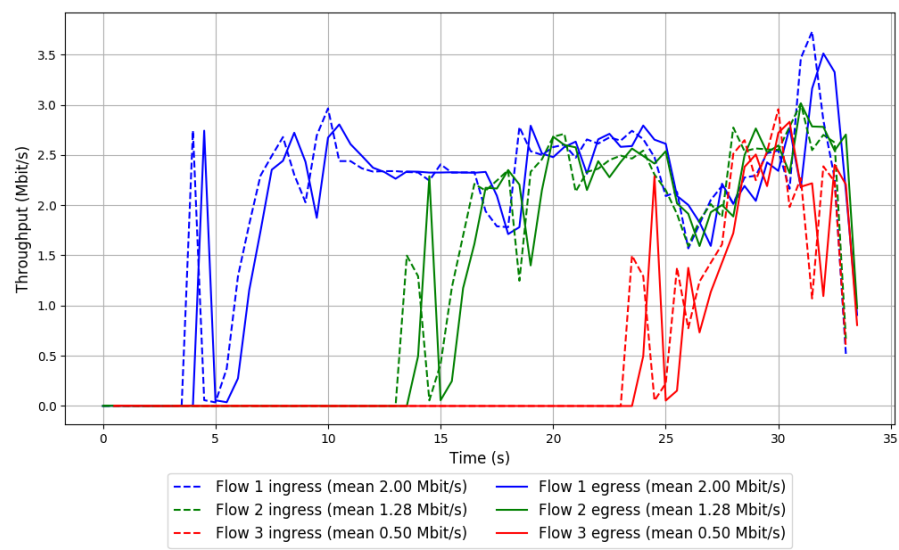
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 61.718 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

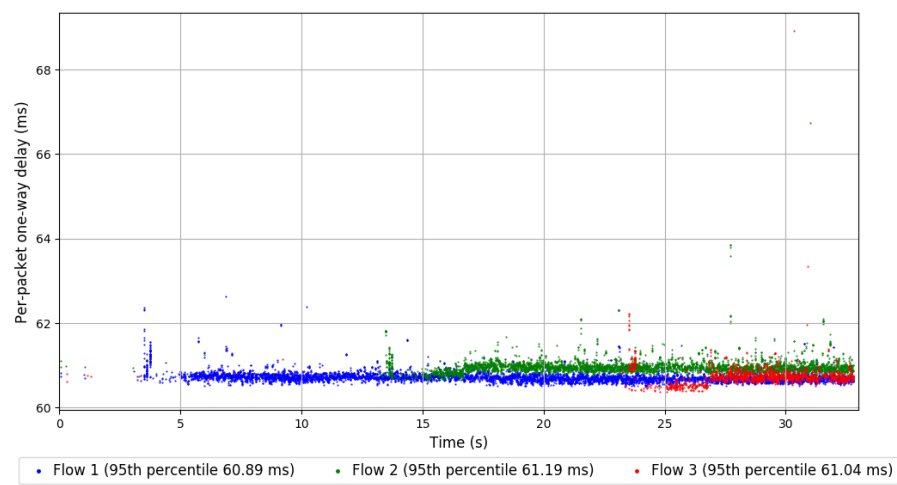
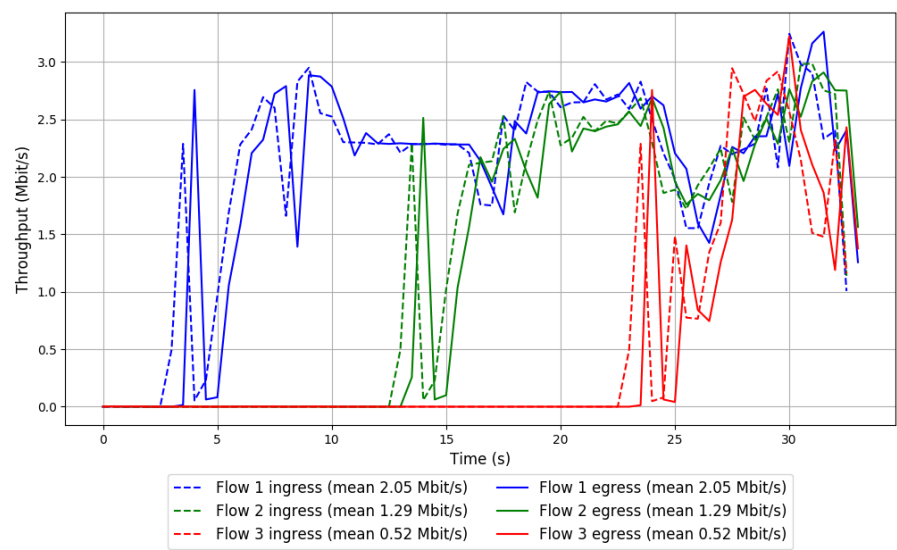


Run 6: Statistics of WebRTC media

Start at: 2018-07-04 18:15:59
End at: 2018-07-04 18:16:29
Local clock offset: -0.187 ms
Remote clock offset: -0.393 ms

Below is generated by plot.py at 2018-07-04 23:03:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 61.082 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 60.888 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 61.185 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 61.038 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

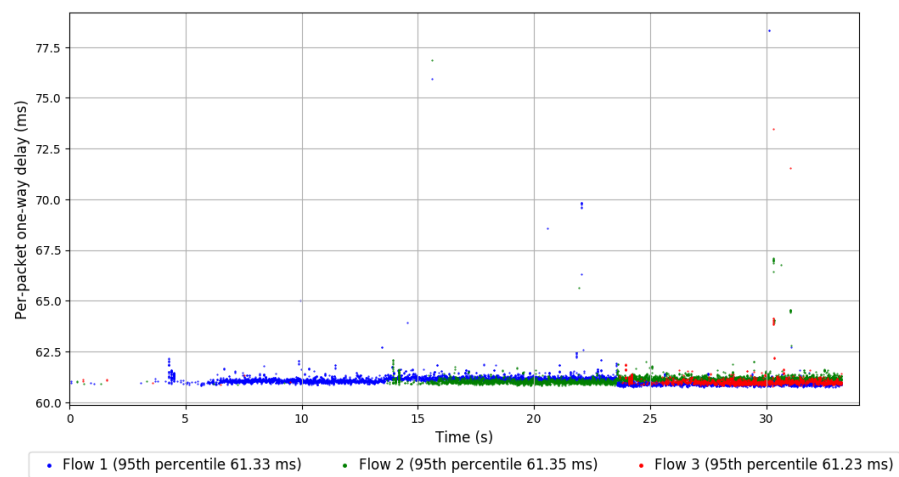
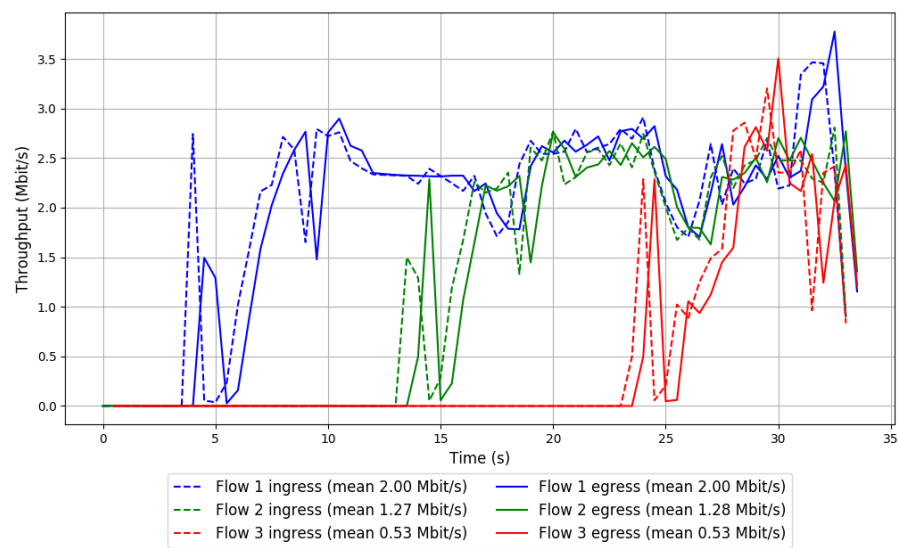


Run 7: Statistics of WebRTC media

Start at: 2018-07-04 18:40:32
End at: 2018-07-04 18:41:02
Local clock offset: -0.109 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-07-04 23:03:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.78 Mbit/s
95th percentile per-packet one-way delay: 61.329 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 61.331 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 61.347 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 61.234 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

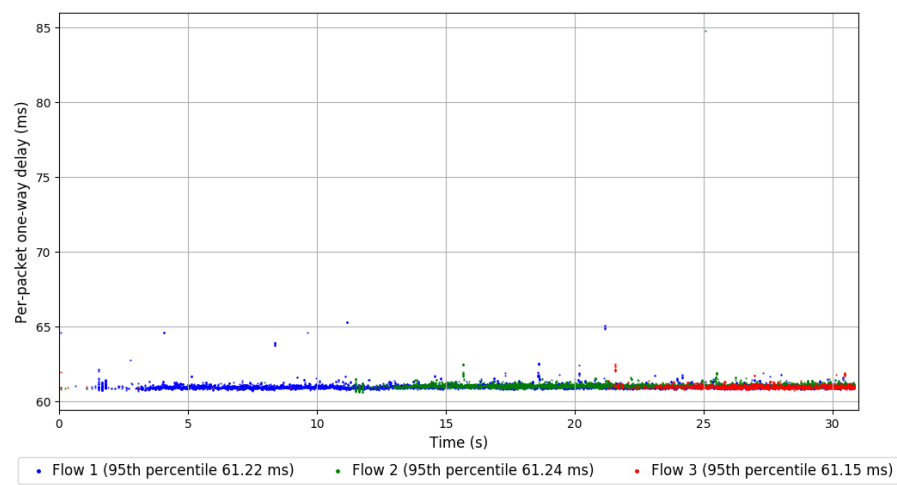
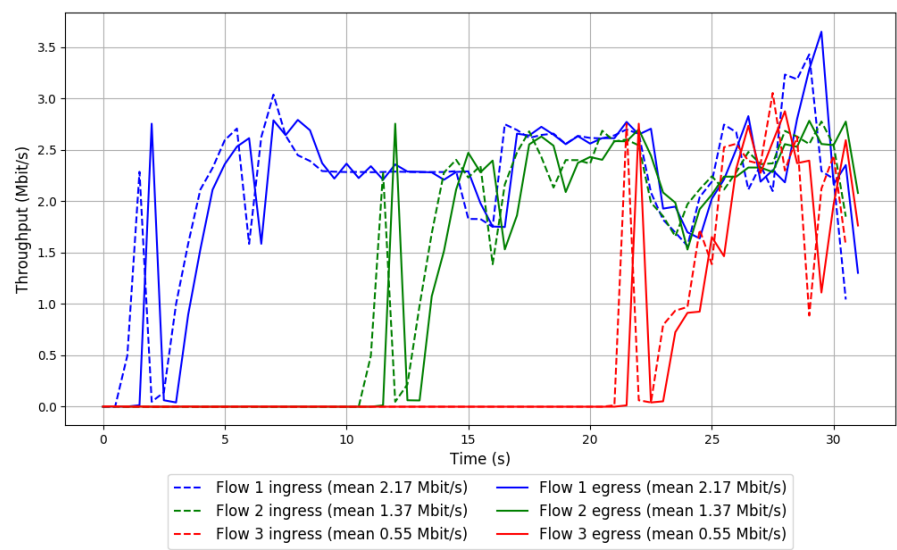


Run 8: Statistics of WebRTC media

Start at: 2018-07-04 19:05:11
End at: 2018-07-04 19:05:41
Local clock offset: 0.011 ms
Remote clock offset: -0.172 ms

```
# Below is generated by plot.py at 2018-07-04 23:03:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.08 Mbit/s
95th percentile per-packet one-way delay: 61.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 61.216 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 61.245 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 61.149 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-04 19:29:25

End at: 2018-07-04 19:29:55

Local clock offset: 0.037 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-04 23:03:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.77 Mbit/s

95th percentile per-packet one-way delay: 61.375 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 61.359 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 61.406 ms

Loss rate: 0.00%

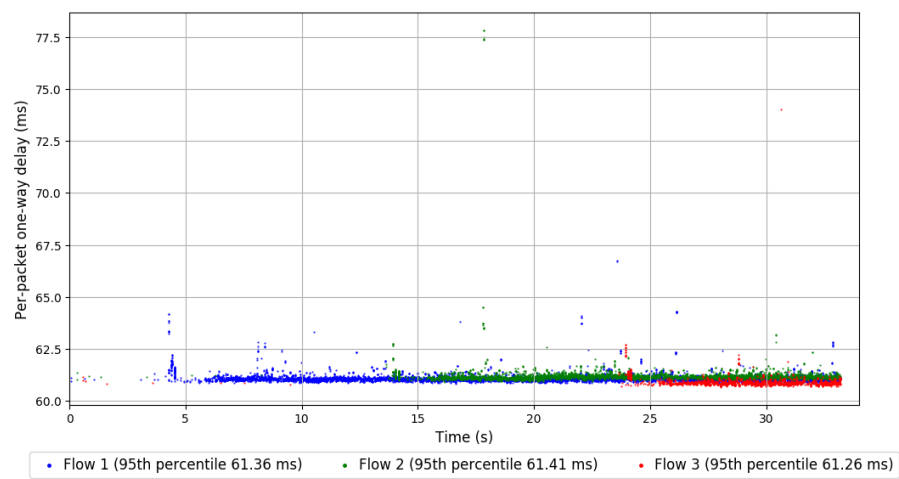
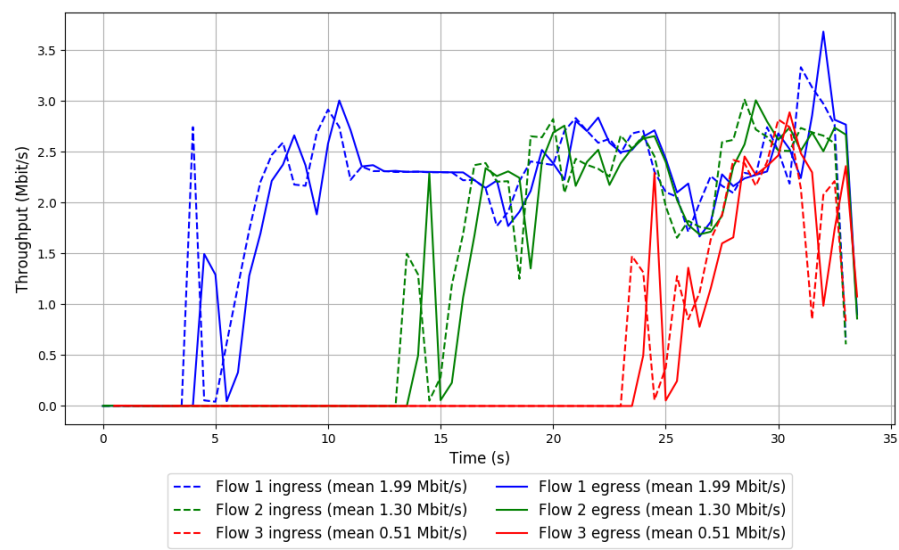
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 61.261 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-04 19:54:06

End at: 2018-07-04 19:54:36

Local clock offset: -0.084 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-04 23:03:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.81 Mbit/s

95th percentile per-packet one-way delay: 66.807 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 61.220 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 66.898 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 61.312 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

