

Pantheon Report

Generated at 2018-07-10 23:53:41 (UTC).

Data path: Brazil Ethernet (*remote*) → AWS Brazil 1 Ethernet (*local*).

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.

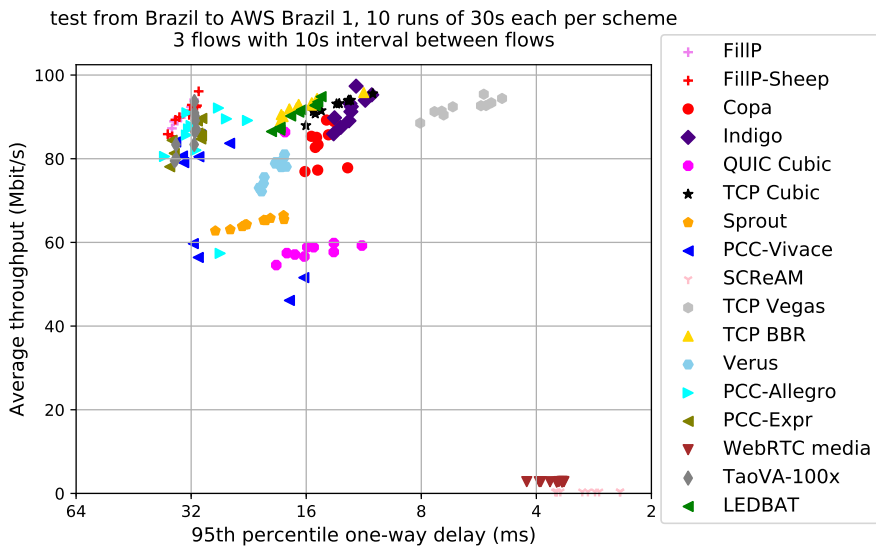
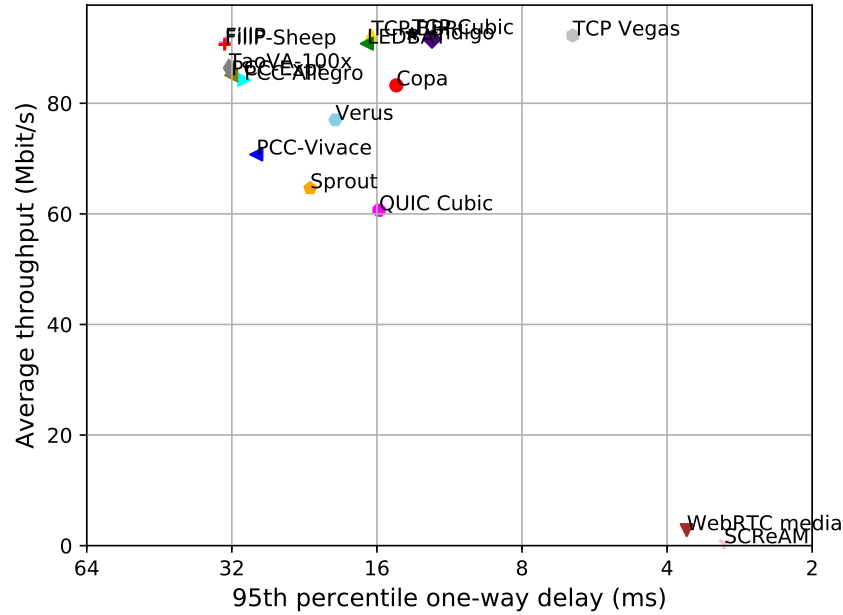
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `gps.ntp.br` 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 @ d0153f8e594aa89e93b032143cedbdf58e562f4
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 Brazil to AWS Brazil 1, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



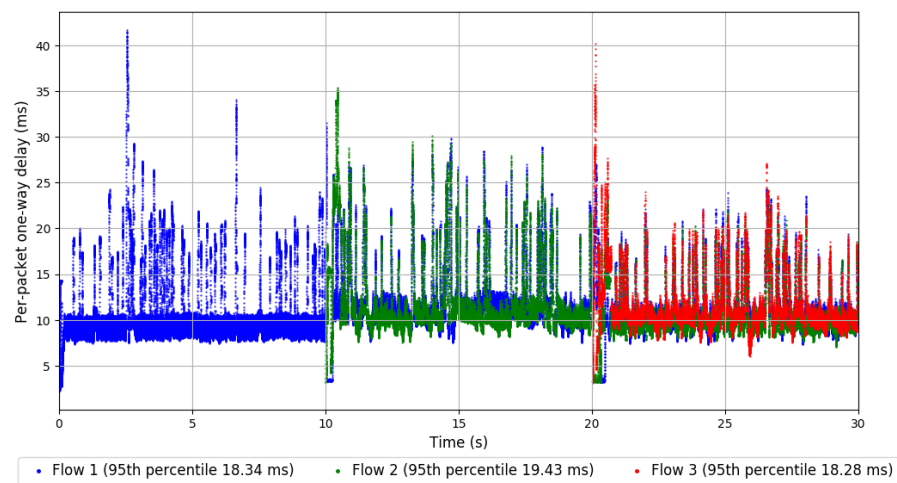
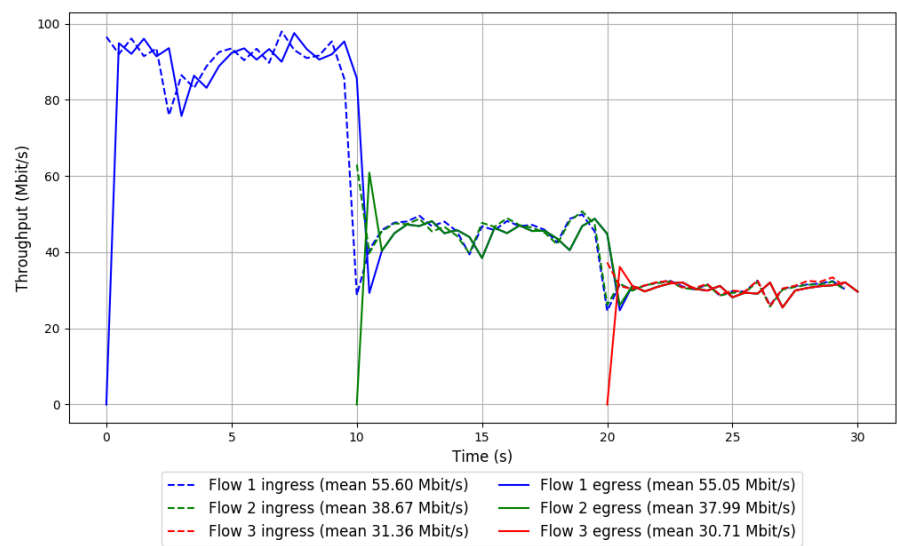
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	56.10	38.75	31.22	15.88	17.54	16.67	0.66	1.31	1.00
Copa	10	49.53	35.92	29.47	12.86	15.55	17.43	0.03	0.07	0.15
TCP Cubic	10	56.59	38.54	30.86	13.48	13.60	13.51	0.08	0.14	0.24
FillP	10	56.21	37.68	29.24	31.09	33.81	38.44	1.97	4.50	4.23
FillP-Sheep	10	55.86	37.37	29.97	31.01	34.07	37.73	2.93	6.19	6.17
Indigo	10	55.86	38.52	30.74	10.68	13.68	13.71	0.02	0.29	0.30
LEDBAT	10	55.36	38.19	30.11	16.49	17.35	16.77	0.13	0.21	0.39
PCC-Allegro	10	55.57	31.85	22.79	25.38	28.89	22.25	5.94	2.70	1.04
PCC-Expr	10	52.90	34.67	27.62	30.53	32.24	34.93	0.63	0.51	0.64
QUIC Cubic	10	6.19	61.68	43.62	4.18	15.78	16.30	0.02	0.14	0.32
SCReAM	10	0.22	0.22	0.22	3.02	3.05	3.04	0.00	0.04	0.17
Sprout	10	33.86	31.97	28.85	19.71	22.27	26.03	0.06	0.09	0.23
TaoVA-100x	10	51.41	37.97	29.08	31.12	33.04	38.25	0.20	0.40	0.94
TCP Vegas	10	52.30	40.54	39.02	5.71	6.21	7.91	0.01	0.03	0.05
Verus	10	45.02	33.91	28.32	17.25	20.53	25.82	0.04	0.12	0.15
PCC-Vivace	10	40.72	33.35	23.76	25.09	28.60	26.76	0.44	1.17	0.68
WebRTC media	10	1.51	0.88	0.42	3.54	3.60	4.03	0.00	0.00	0.03

Run 1: Statistics of TCP BBR

Start at: 2018-07-10 20:26:07
End at: 2018-07-10 20:26:37
Local clock offset: -1.111 ms
Remote clock offset: -3.575 ms

Below is generated by plot.py at 2018-07-10 23:31:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.57 Mbit/s
95th percentile per-packet one-way delay: 18.591 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 55.05 Mbit/s
95th percentile per-packet one-way delay: 18.337 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 37.99 Mbit/s
95th percentile per-packet one-way delay: 19.430 ms
Loss rate: 1.79%
-- Flow 3:
Average throughput: 30.71 Mbit/s
95th percentile per-packet one-way delay: 18.280 ms
Loss rate: 2.11%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-10 20:45:15

End at: 2018-07-10 20:45:45

Local clock offset: -1.037 ms

Remote clock offset: -1.46 ms

Below is generated by plot.py at 2018-07-10 23:31:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.98 Mbit/s

95th percentile per-packet one-way delay: 16.746 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 56.49 Mbit/s

95th percentile per-packet one-way delay: 15.727 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 39.16 Mbit/s

95th percentile per-packet one-way delay: 18.550 ms

Loss rate: 2.25%

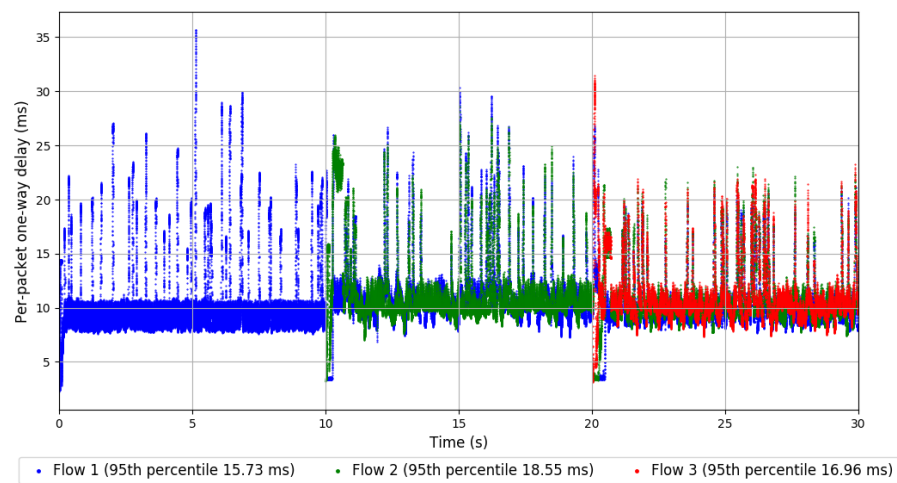
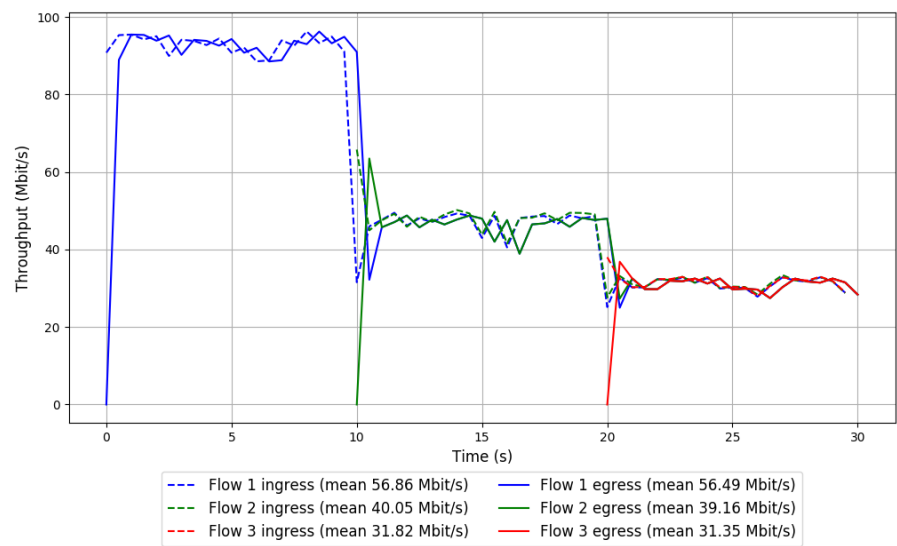
-- Flow 3:

Average throughput: 31.35 Mbit/s

95th percentile per-packet one-way delay: 16.956 ms

Loss rate: 1.52%

Run 2: Report of TCP BBR — Data Link

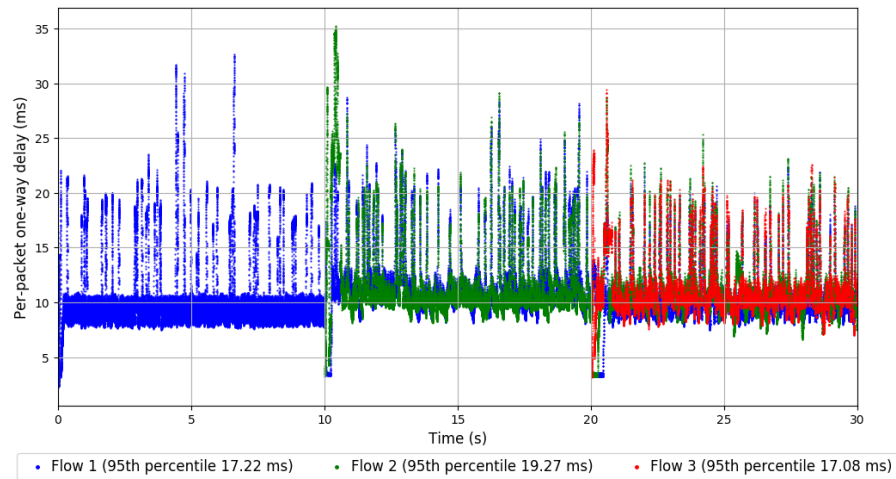
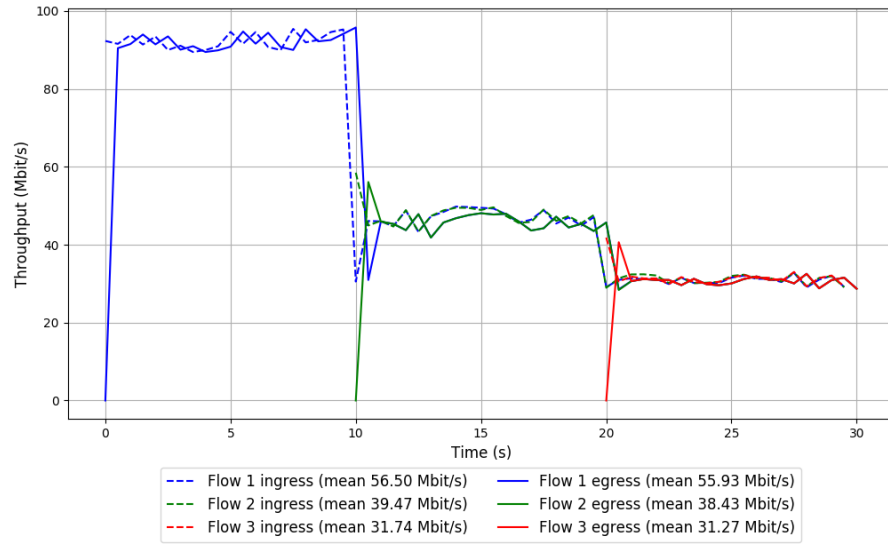


Run 3: Statistics of TCP BBR

Start at: 2018-07-10 21:04:24
End at: 2018-07-10 21:04:54
Local clock offset: -1.028 ms
Remote clock offset: -0.312 ms

Below is generated by plot.py at 2018-07-10 23:31:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: 17.711 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 55.93 Mbit/s
95th percentile per-packet one-way delay: 17.216 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 38.43 Mbit/s
95th percentile per-packet one-way delay: 19.270 ms
Loss rate: 2.65%
-- Flow 3:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 17.080 ms
Loss rate: 1.50%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-10 21:23:34

End at: 2018-07-10 21:24:04

Local clock offset: -1.091 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-10 23:31:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.82 Mbit/s

95th percentile per-packet one-way delay: 15.476 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 56.45 Mbit/s

95th percentile per-packet one-way delay: 15.010 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 39.04 Mbit/s

95th percentile per-packet one-way delay: 16.259 ms

Loss rate: 1.00%

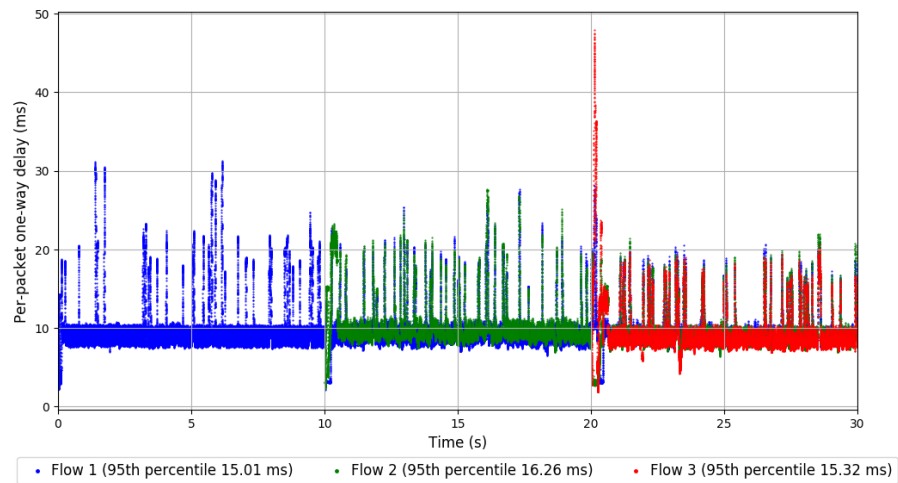
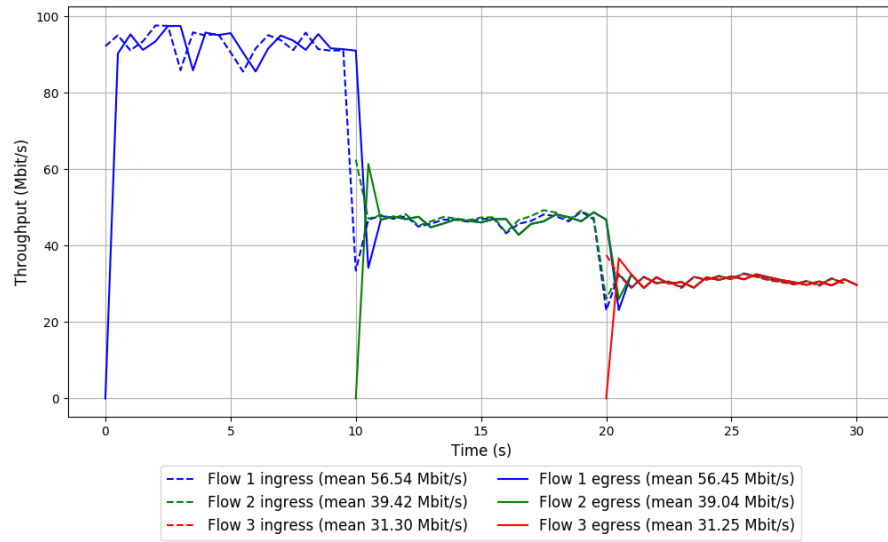
-- Flow 3:

Average throughput: 31.25 Mbit/s

95th percentile per-packet one-way delay: 15.324 ms

Loss rate: 0.21%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-10 21:42:41

End at: 2018-07-10 21:43:11

Local clock offset: -1.114 ms

Remote clock offset: -8.76 ms

Below is generated by plot.py at 2018-07-10 23:31:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.40 Mbit/s

95th percentile per-packet one-way delay: 14.985 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 57.48 Mbit/s

95th percentile per-packet one-way delay: 13.235 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 39.52 Mbit/s

95th percentile per-packet one-way delay: 17.128 ms

Loss rate: 1.05%

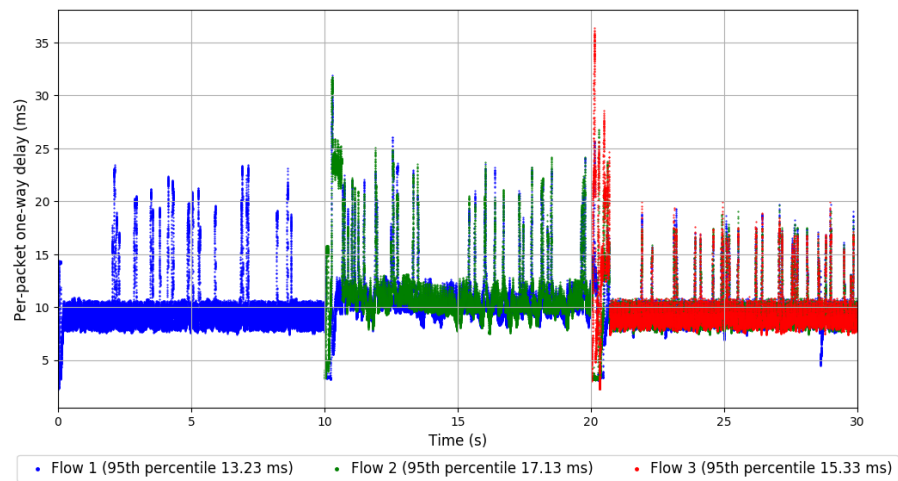
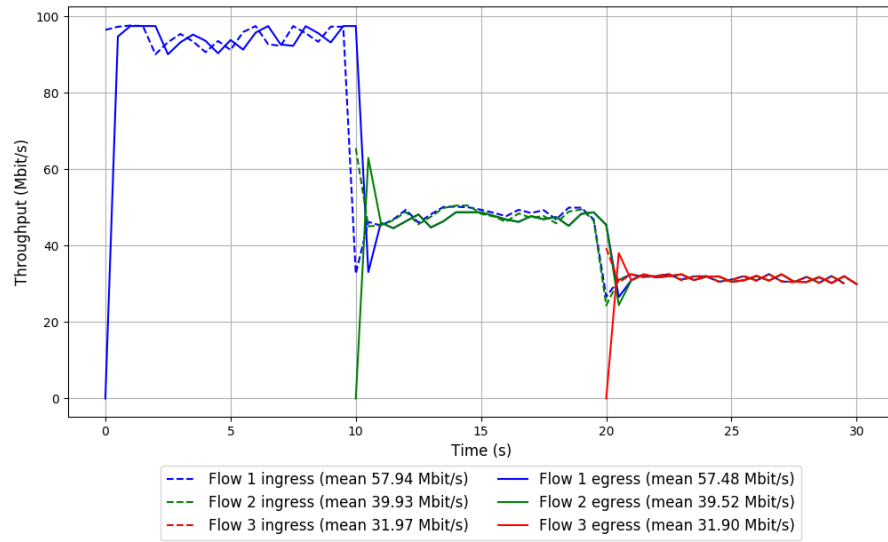
-- Flow 3:

Average throughput: 31.90 Mbit/s

95th percentile per-packet one-way delay: 15.334 ms

Loss rate: 0.25%

Run 5: Report of TCP BBR — Data Link

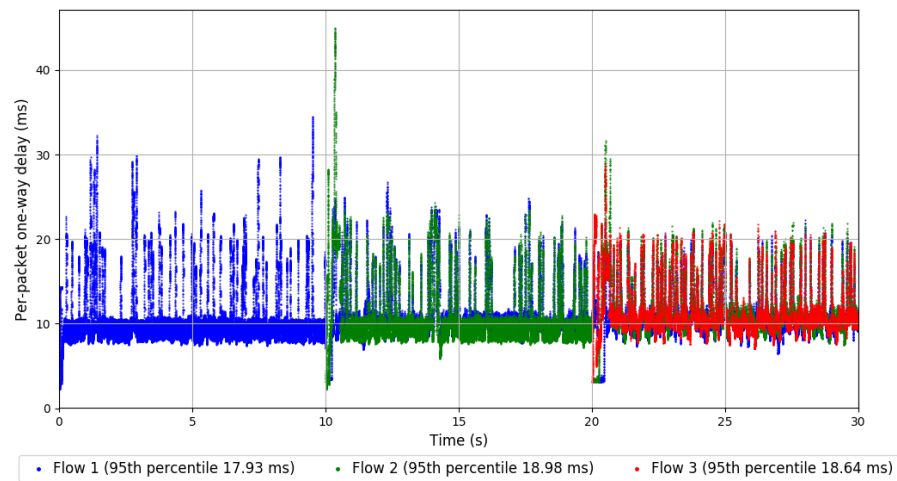
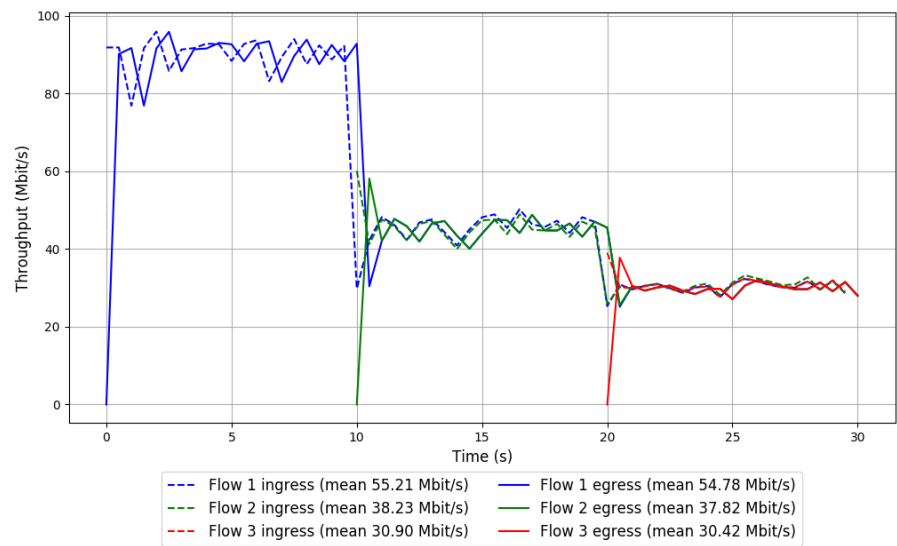


Run 6: Statistics of TCP BBR

Start at: 2018-07-10 22:01:48
End at: 2018-07-10 22:02:18
Local clock offset: -1.1 ms
Remote clock offset: -11.394 ms

Below is generated by plot.py at 2018-07-10 23:31:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.08 Mbit/s
95th percentile per-packet one-way delay: 18.394 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 54.78 Mbit/s
95th percentile per-packet one-way delay: 17.927 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 37.82 Mbit/s
95th percentile per-packet one-way delay: 18.976 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 30.42 Mbit/s
95th percentile per-packet one-way delay: 18.639 ms
Loss rate: 1.62%

Run 6: Report of TCP BBR — Data Link

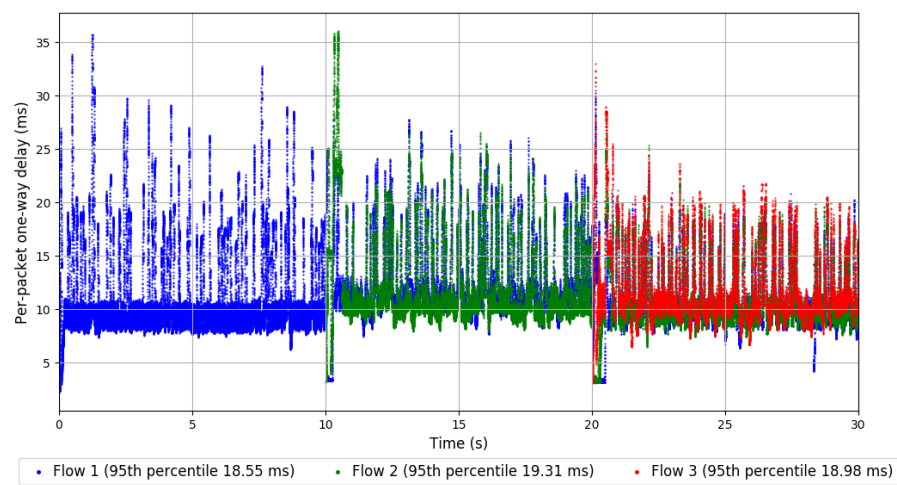
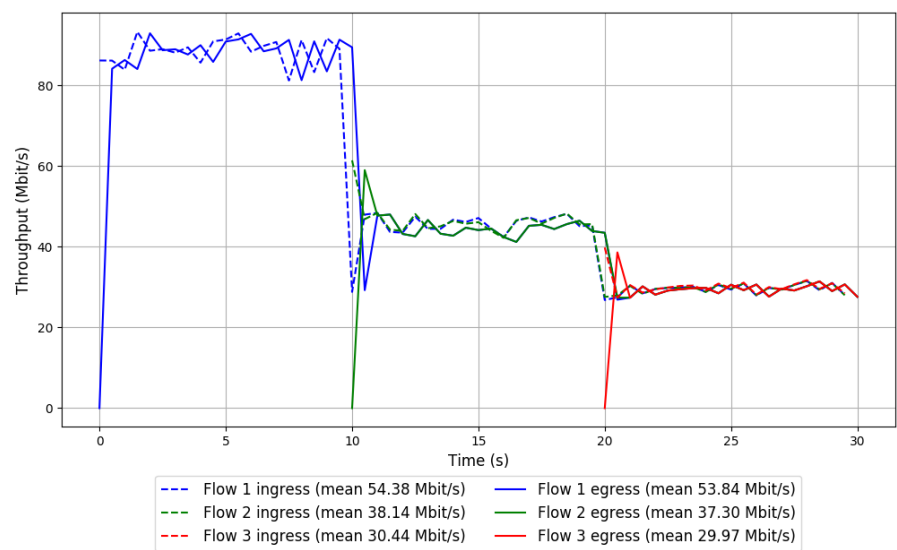


Run 7: Statistics of TCP BBR

Start at: 2018-07-10 22:20:52
End at: 2018-07-10 22:21:22
Local clock offset: -1.142 ms
Remote clock offset: -13.421 ms

Below is generated by plot.py at 2018-07-10 23:31:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.62 Mbit/s
95th percentile per-packet one-way delay: 18.769 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 53.84 Mbit/s
95th percentile per-packet one-way delay: 18.549 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 37.30 Mbit/s
95th percentile per-packet one-way delay: 19.314 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 29.97 Mbit/s
95th percentile per-packet one-way delay: 18.981 ms
Loss rate: 1.58%

Run 7: Report of TCP BBR — Data Link

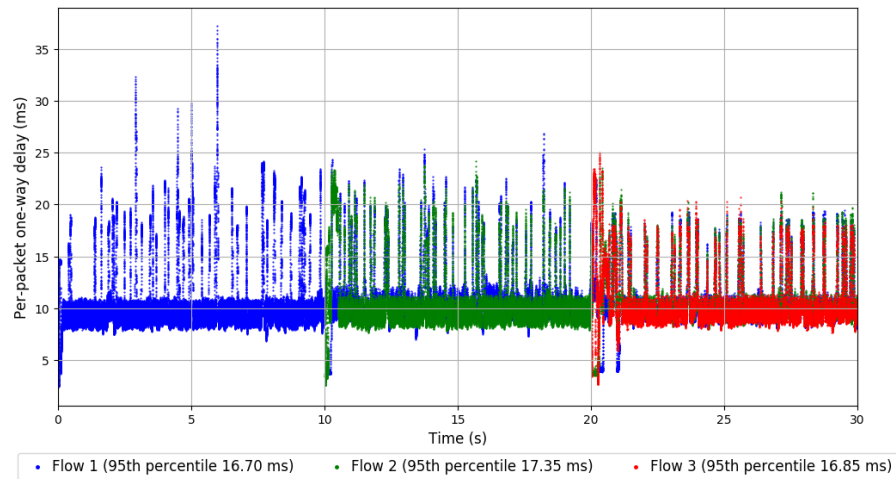
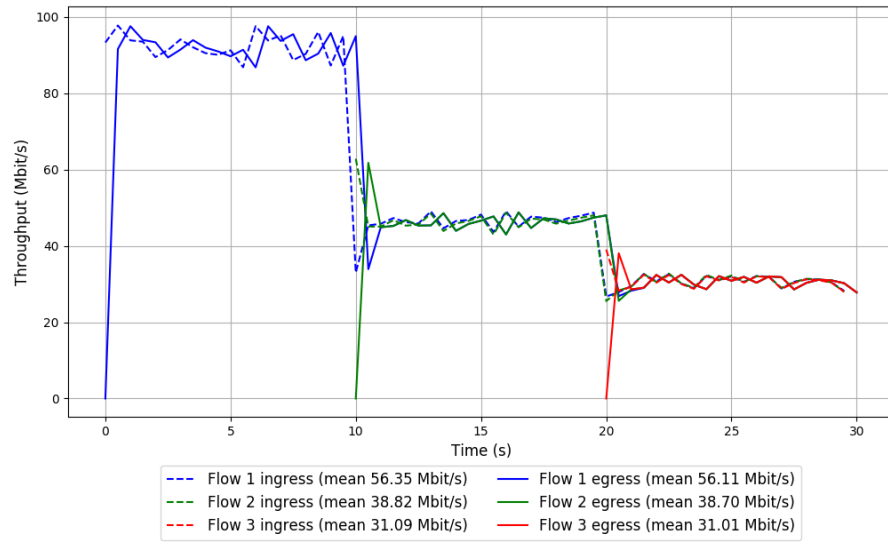


Run 8: Statistics of TCP BBR

Start at: 2018-07-10 22:39:56
End at: 2018-07-10 22:40:26
Local clock offset: -1.064 ms
Remote clock offset: -5.738 ms

Below is generated by plot.py at 2018-07-10 23:31:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.18 Mbit/s
95th percentile per-packet one-way delay: 16.947 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 56.11 Mbit/s
95th percentile per-packet one-way delay: 16.696 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 38.70 Mbit/s
95th percentile per-packet one-way delay: 17.351 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 31.01 Mbit/s
95th percentile per-packet one-way delay: 16.854 ms
Loss rate: 0.27%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-10 22:59:06

End at: 2018-07-10 22:59:36

Local clock offset: -1.055 ms

Remote clock offset: 0.399 ms

Below is generated by plot.py at 2018-07-10 23:32:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.83 Mbit/s

95th percentile per-packet one-way delay: 11.313 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 58.22 Mbit/s

95th percentile per-packet one-way delay: 10.919 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 40.25 Mbit/s

95th percentile per-packet one-way delay: 13.076 ms

Loss rate: 0.32%

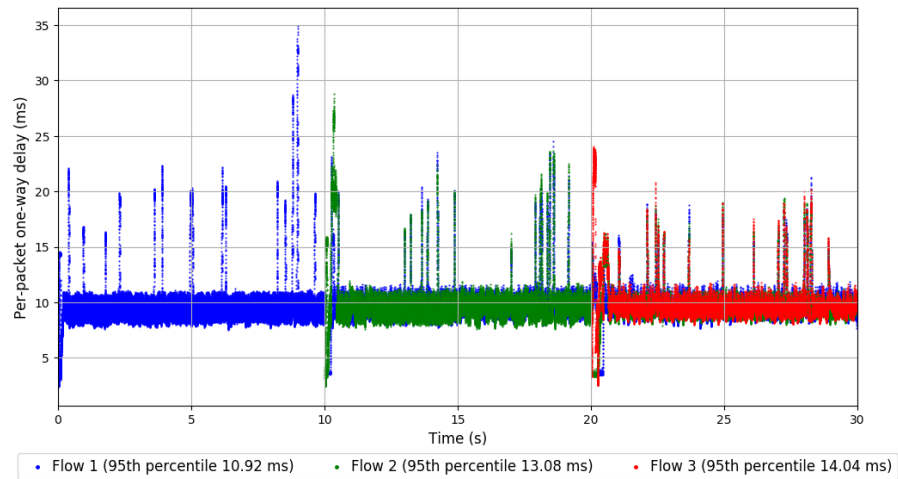
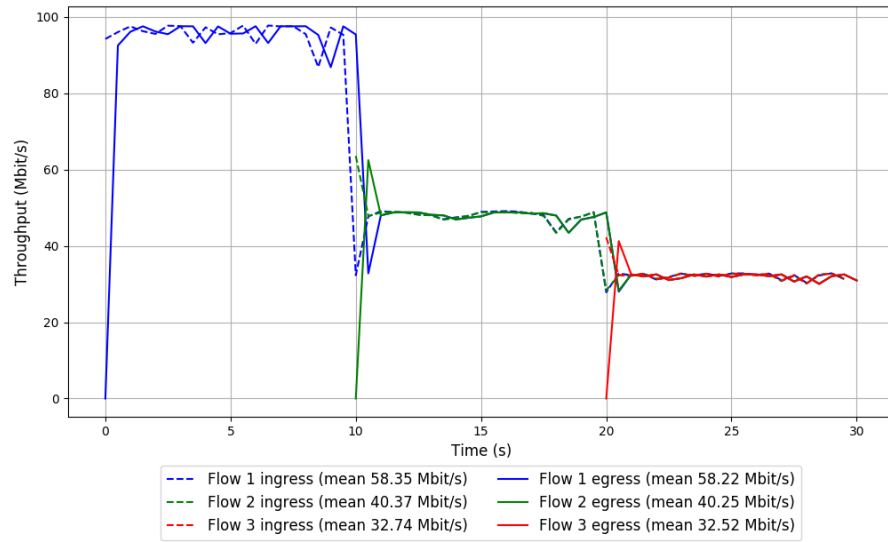
-- Flow 3:

Average throughput: 32.52 Mbit/s

95th percentile per-packet one-way delay: 14.035 ms

Loss rate: 0.70%

Run 9: Report of TCP BBR — Data Link

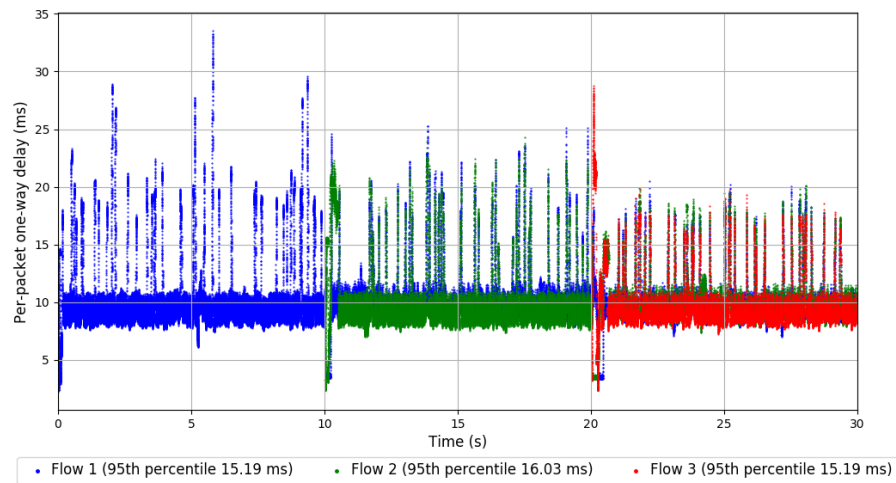
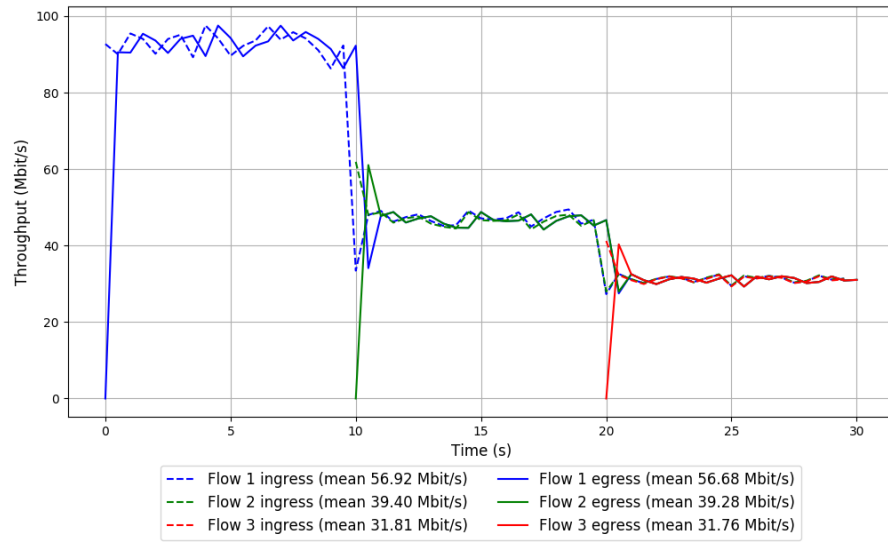


Run 10: Statistics of TCP BBR

Start at: 2018-07-10 23:18:15
End at: 2018-07-10 23:18:45
Local clock offset: -1.026 ms
Remote clock offset: -0.585 ms

Below is generated by plot.py at 2018-07-10 23:32:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.38 Mbit/s
95th percentile per-packet one-way delay: 15.473 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 56.68 Mbit/s
95th percentile per-packet one-way delay: 15.186 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 39.28 Mbit/s
95th percentile per-packet one-way delay: 16.034 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 31.76 Mbit/s
95th percentile per-packet one-way delay: 15.191 ms
Loss rate: 0.25%

Run 10: Report of TCP BBR — Data Link

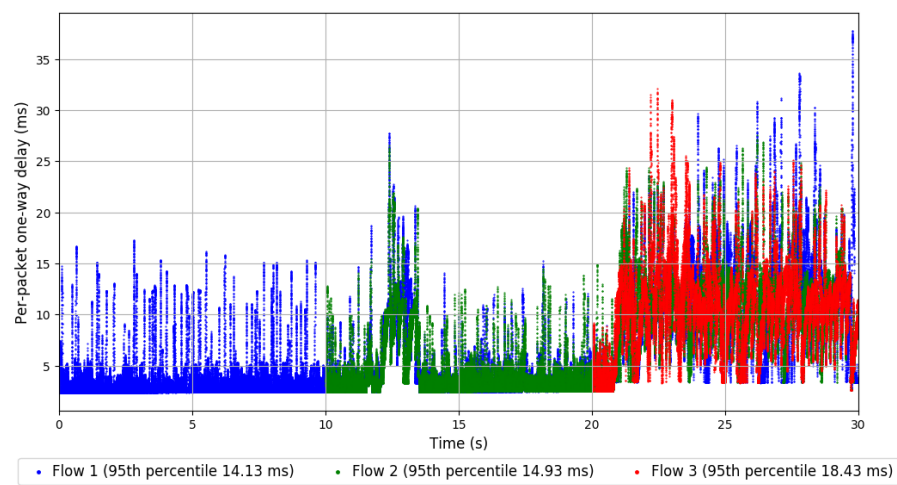
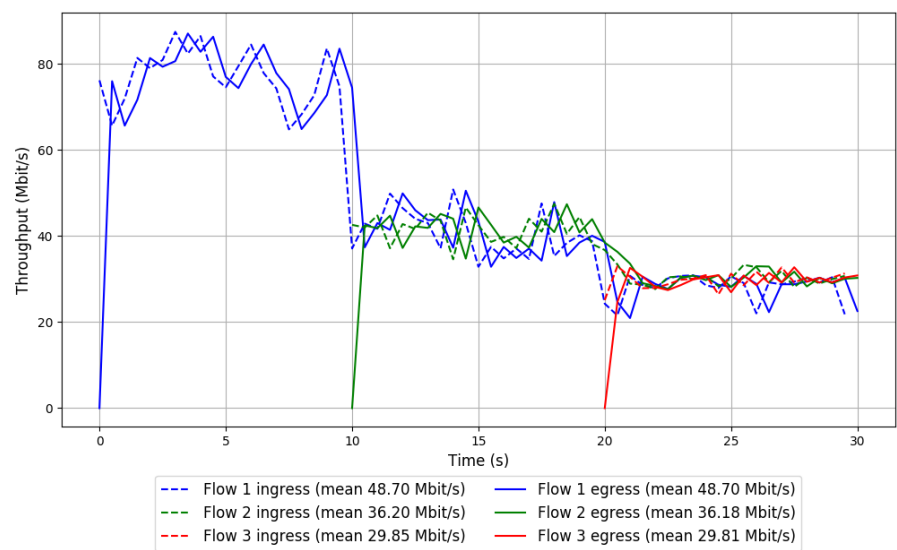


Run 1: Statistics of Copa

Start at: 2018-07-10 20:19:20
End at: 2018-07-10 20:19:50
Local clock offset: -1.049 ms
Remote clock offset: -5.493 ms

Below is generated by plot.py at 2018-07-10 23:33:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.71 Mbit/s
95th percentile per-packet one-way delay: 15.148 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 48.70 Mbit/s
95th percentile per-packet one-way delay: 14.130 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 36.18 Mbit/s
95th percentile per-packet one-way delay: 14.934 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 18.428 ms
Loss rate: 0.20%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-10 20:38:28

End at: 2018-07-10 20:38:58

Local clock offset: -1.035 ms

Remote clock offset: -2.08 ms

Below is generated by plot.py at 2018-07-10 23:33:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.36 Mbit/s

95th percentile per-packet one-way delay: 15.504 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 50.43 Mbit/s

95th percentile per-packet one-way delay: 13.132 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 37.34 Mbit/s

95th percentile per-packet one-way delay: 17.834 ms

Loss rate: 0.07%

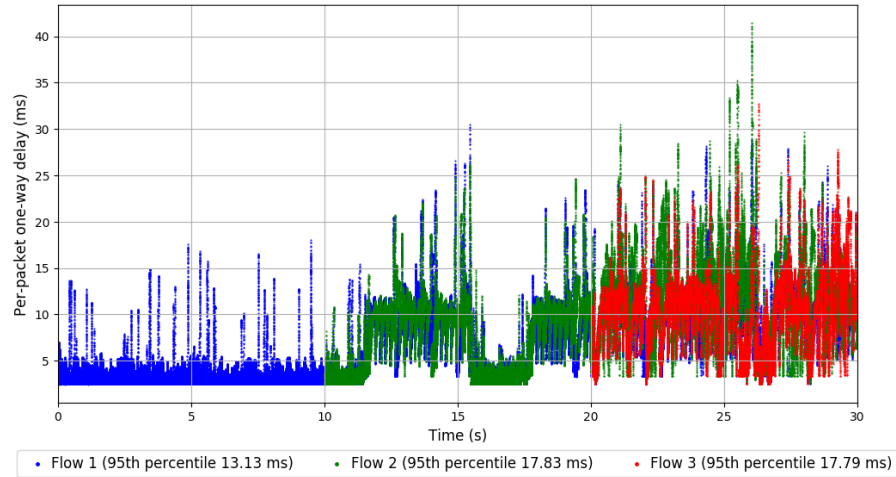
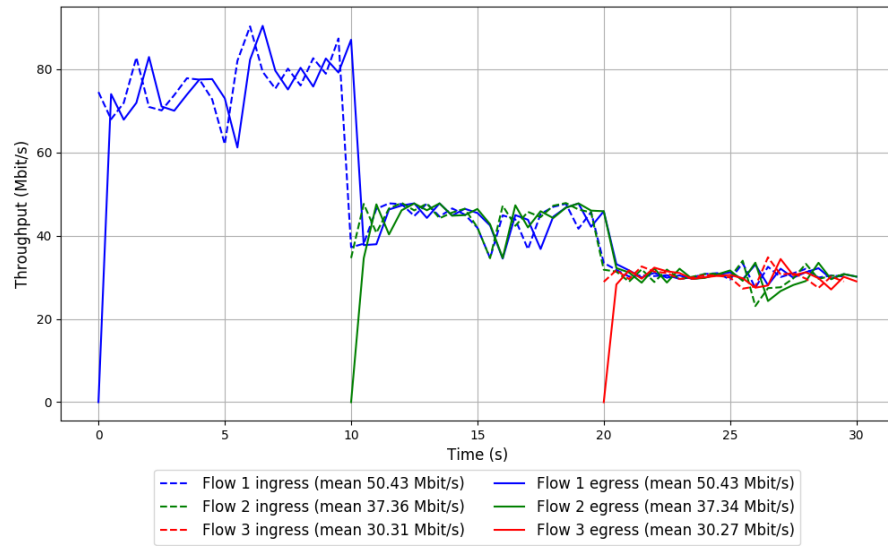
-- Flow 3:

Average throughput: 30.27 Mbit/s

95th percentile per-packet one-way delay: 17.789 ms

Loss rate: 0.18%

Run 2: Report of Copa — Data Link

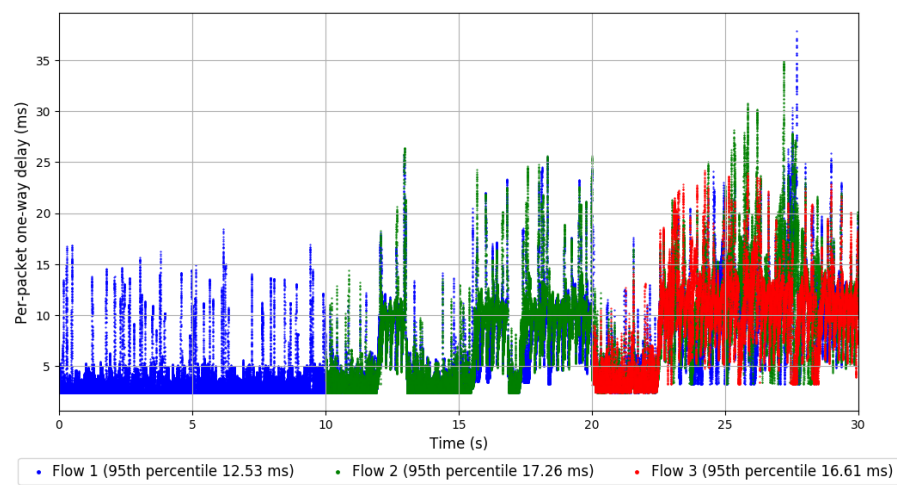
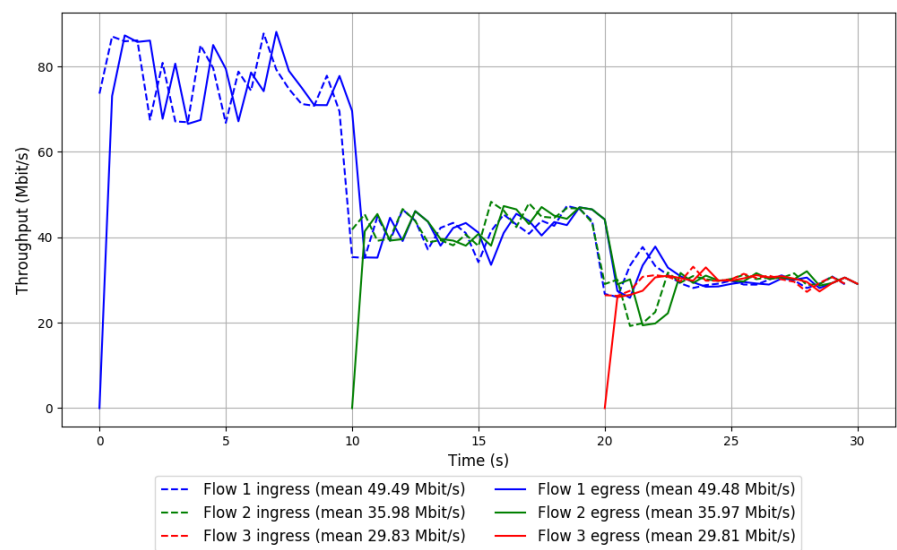


Run 3: Statistics of Copa

Start at: 2018-07-10 20:57:37
End at: 2018-07-10 20:58:07
Local clock offset: -1.038 ms
Remote clock offset: -0.776 ms

Below is generated by plot.py at 2018-07-10 23:33:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.34 Mbit/s
95th percentile per-packet one-way delay: 14.902 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 49.48 Mbit/s
95th percentile per-packet one-way delay: 12.528 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 35.97 Mbit/s
95th percentile per-packet one-way delay: 17.258 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 16.606 ms
Loss rate: 0.13%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-10 21:16:46

End at: 2018-07-10 21:17:16

Local clock offset: -1.051 ms

Remote clock offset: 0.294 ms

Below is generated by plot.py at 2018-07-10 23:33:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.11 Mbit/s

95th percentile per-packet one-way delay: 15.034 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 51.08 Mbit/s

95th percentile per-packet one-way delay: 12.845 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 36.79 Mbit/s

95th percentile per-packet one-way delay: 17.356 ms

Loss rate: 0.07%

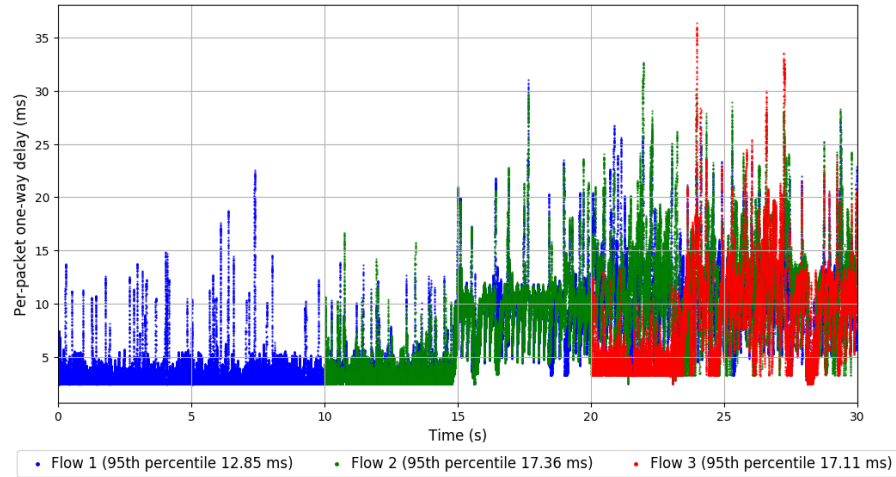
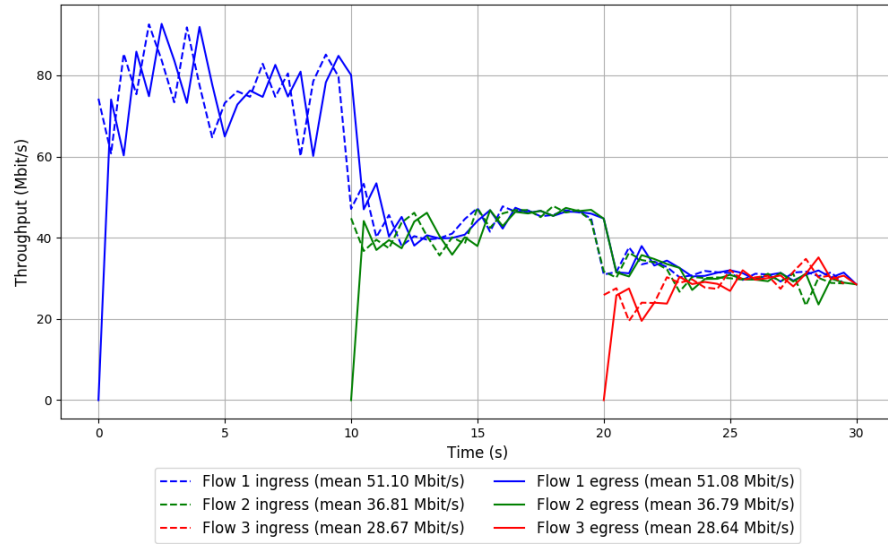
-- Flow 3:

Average throughput: 28.64 Mbit/s

95th percentile per-packet one-way delay: 17.109 ms

Loss rate: 0.17%

Run 4: Report of Copa — Data Link

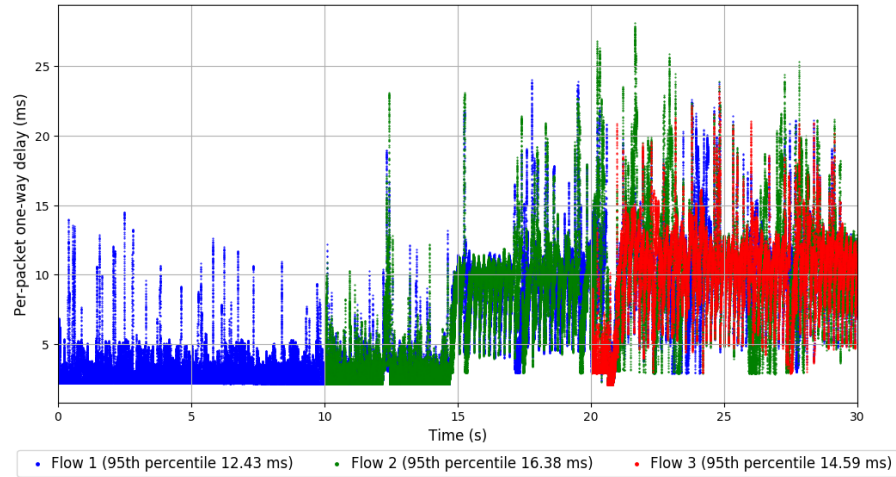
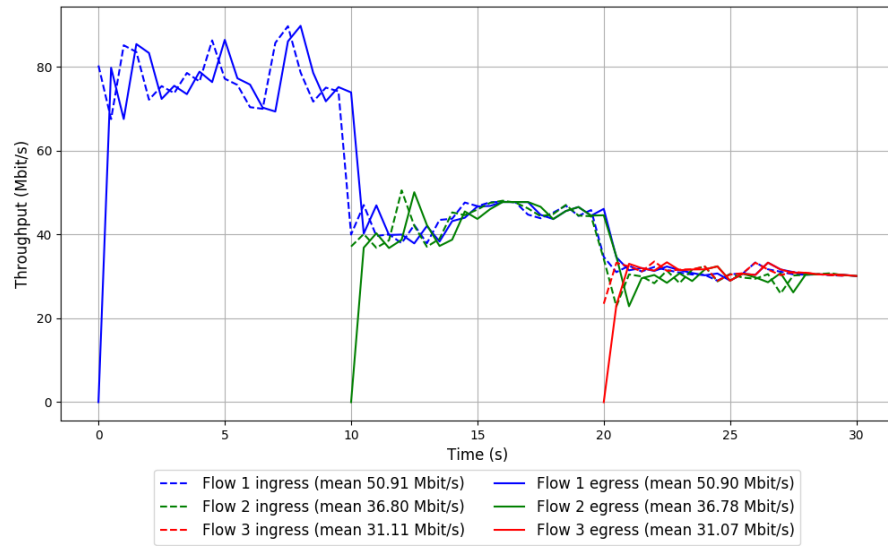


Run 5: Statistics of Copa

Start at: 2018-07-10 21:35:54
End at: 2018-07-10 21:36:24
Local clock offset: -1.178 ms
Remote clock offset: -7.072 ms

Below is generated by plot.py at 2018-07-10 23:33:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.71 Mbit/s
95th percentile per-packet one-way delay: 13.994 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 50.90 Mbit/s
95th percentile per-packet one-way delay: 12.434 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 36.78 Mbit/s
95th percentile per-packet one-way delay: 16.381 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 31.07 Mbit/s
95th percentile per-packet one-way delay: 14.589 ms
Loss rate: 0.16%

Run 5: Report of Copa — Data Link

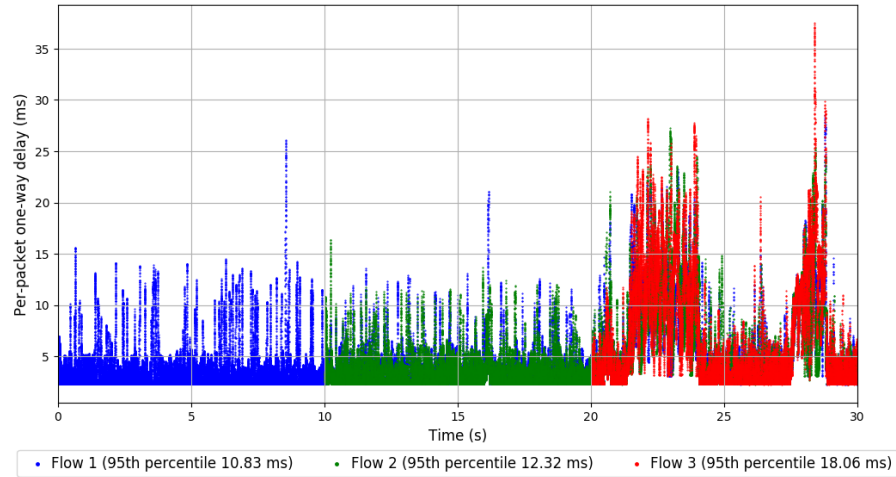
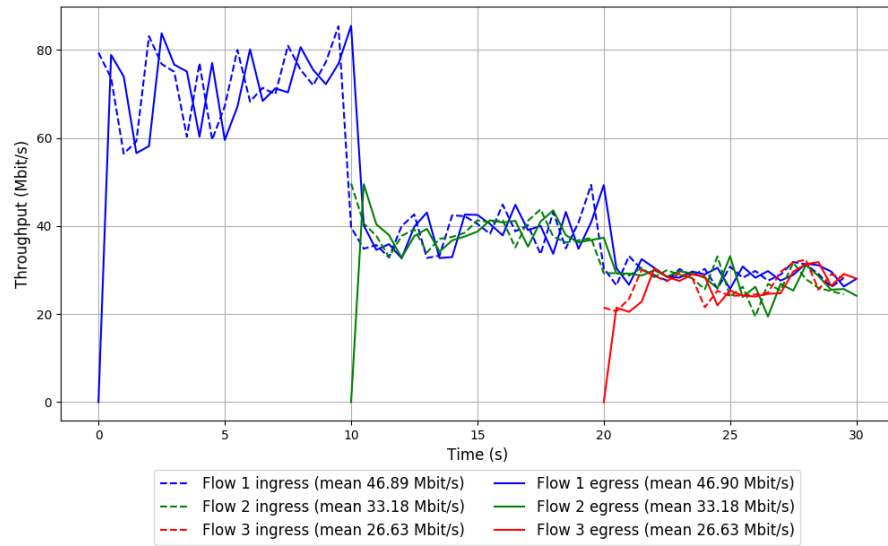


Run 6: Statistics of Copa

Start at: 2018-07-10 21:55:01
End at: 2018-07-10 21:55:31
Local clock offset: -1.117 ms
Remote clock offset: -10.635 ms

Below is generated by plot.py at 2018-07-10 23:33:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.83 Mbit/s
95th percentile per-packet one-way delay: 12.467 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 46.90 Mbit/s
95th percentile per-packet one-way delay: 10.832 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 33.18 Mbit/s
95th percentile per-packet one-way delay: 12.325 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 26.63 Mbit/s
95th percentile per-packet one-way delay: 18.056 ms
Loss rate: 0.05%

Run 6: Report of Copa — Data Link

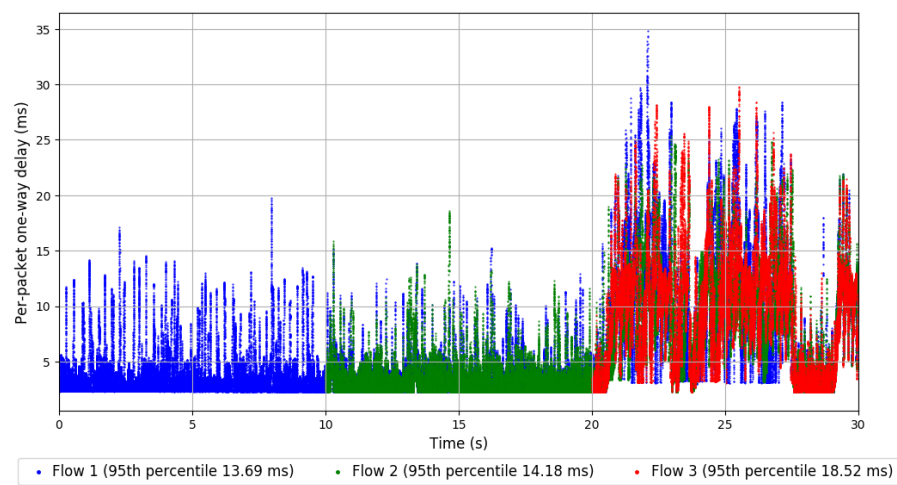
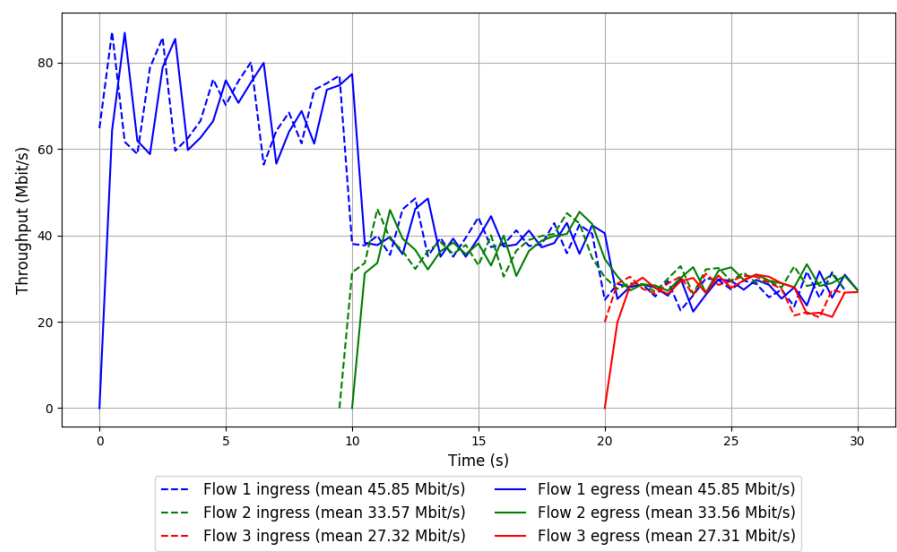


Run 7: Statistics of Copa

Start at: 2018-07-10 22:14:06
End at: 2018-07-10 22:14:36
Local clock offset: -1.096 ms
Remote clock offset: -12.69 ms

Below is generated by plot.py at 2018-07-10 23:34:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.28 Mbit/s
95th percentile per-packet one-way delay: 14.932 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 45.85 Mbit/s
95th percentile per-packet one-way delay: 13.692 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 33.56 Mbit/s
95th percentile per-packet one-way delay: 14.184 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 27.31 Mbit/s
95th percentile per-packet one-way delay: 18.521 ms
Loss rate: 0.08%

Run 7: Report of Copa — Data Link

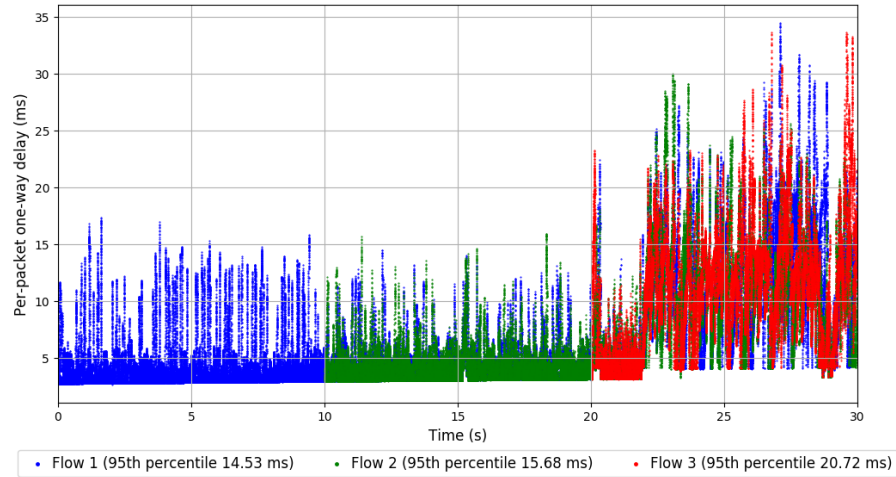
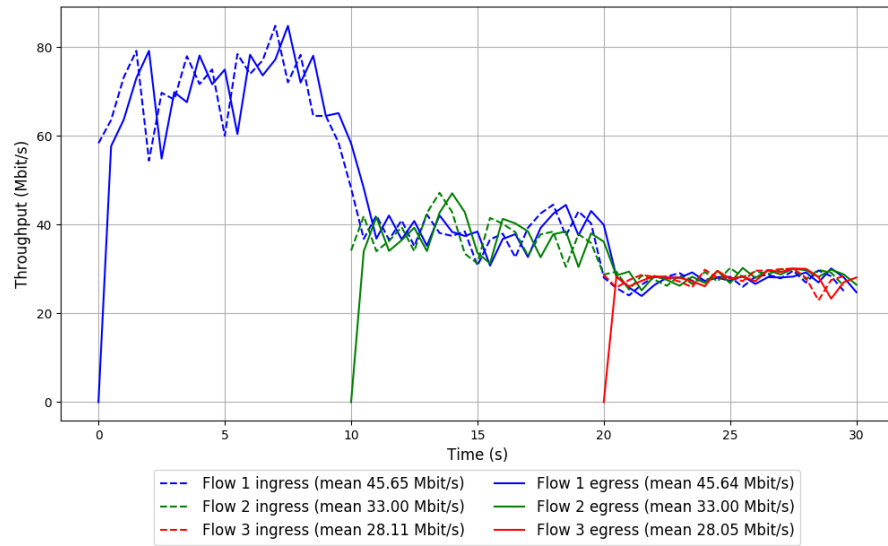


Run 8: Statistics of Copa

Start at: 2018-07-10 22:33:11
End at: 2018-07-10 22:33:41
Local clock offset: -1.082 ms
Remote clock offset: -11.937 ms

Below is generated by plot.py at 2018-07-10 23:34:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.93 Mbit/s
95th percentile per-packet one-way delay: 16.123 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 45.64 Mbit/s
95th percentile per-packet one-way delay: 14.525 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 33.00 Mbit/s
95th percentile per-packet one-way delay: 15.679 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 28.05 Mbit/s
95th percentile per-packet one-way delay: 20.720 ms
Loss rate: 0.20%

Run 8: Report of Copa — Data Link

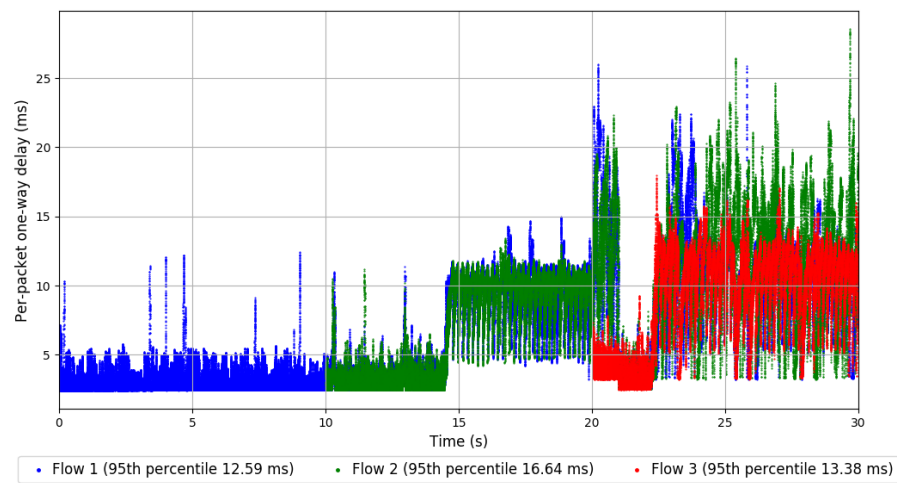
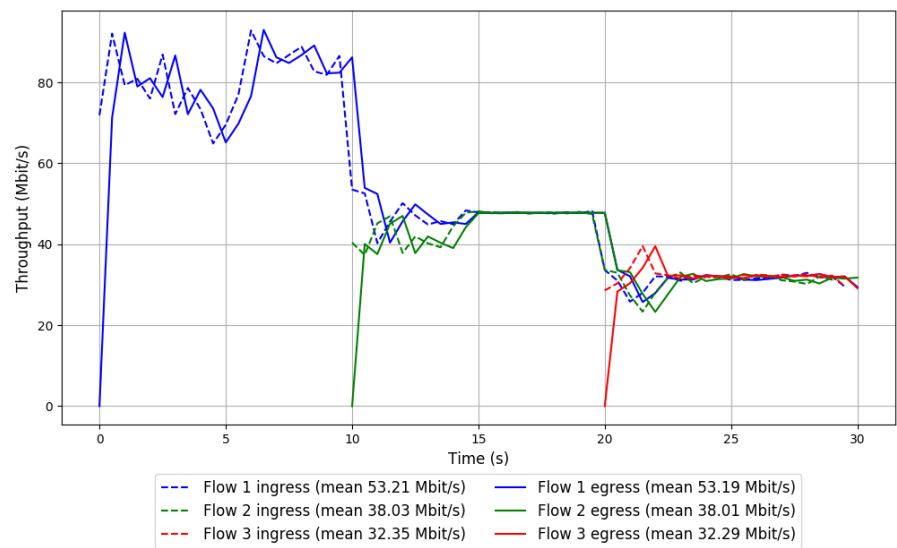


Run 9: Statistics of Copa

Start at: 2018-07-10 22:52:18
End at: 2018-07-10 22:52:48
Local clock offset: -1.103 ms
Remote clock offset: -0.968 ms

Below is generated by plot.py at 2018-07-10 23:35:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.24 Mbit/s
95th percentile per-packet one-way delay: 14.159 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 53.19 Mbit/s
95th percentile per-packet one-way delay: 12.594 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 38.01 Mbit/s
95th percentile per-packet one-way delay: 16.637 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 32.29 Mbit/s
95th percentile per-packet one-way delay: 13.383 ms
Loss rate: 0.22%

Run 9: Report of Copa — Data Link

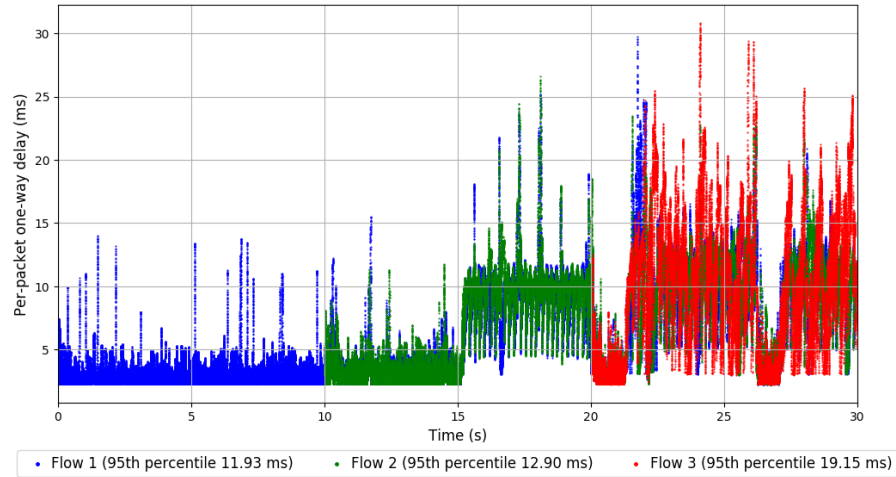
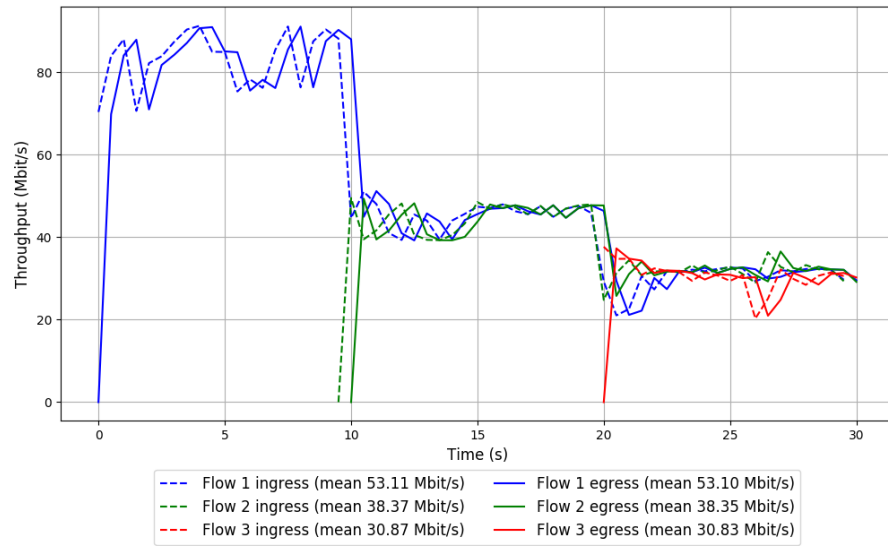


Run 10: Statistics of Copa

Start at: 2018-07-10 23:11:28
End at: 2018-07-10 23:11:58
Local clock offset: -1.046 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-10 23:35:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.89 Mbit/s
95th percentile per-packet one-way delay: 13.527 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 53.10 Mbit/s
95th percentile per-packet one-way delay: 11.928 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.35 Mbit/s
95th percentile per-packet one-way delay: 12.904 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 30.83 Mbit/s
95th percentile per-packet one-way delay: 19.148 ms
Loss rate: 0.16%

Run 10: Report of Copa — Data Link

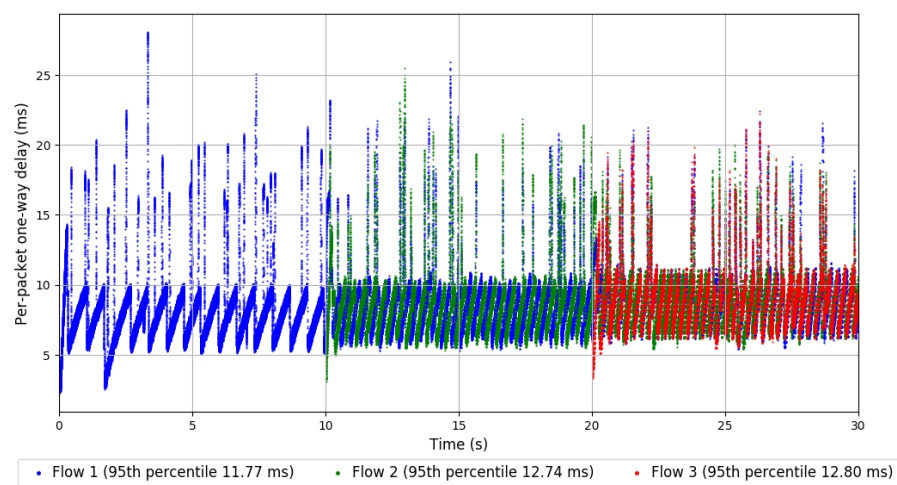
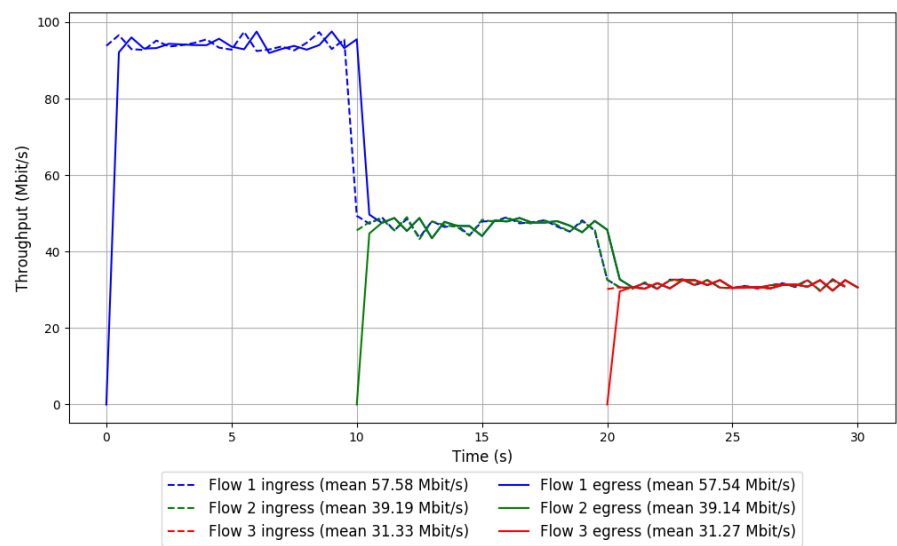


Run 1: Statistics of TCP Cubic

Start at: 2018-07-10 20:23:52
End at: 2018-07-10 20:24:22
Local clock offset: -1.071 ms
Remote clock offset: -4.083 ms

Below is generated by plot.py at 2018-07-10 23:35:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.99 Mbit/s
95th percentile per-packet one-way delay: 12.246 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 57.54 Mbit/s
95th percentile per-packet one-way delay: 11.771 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 39.14 Mbit/s
95th percentile per-packet one-way delay: 12.744 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 12.799 ms
Loss rate: 0.25%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-10 20:43:00

End at: 2018-07-10 20:43:30

Local clock offset: -1.115 ms

Remote clock offset: -1.59 ms

Below is generated by plot.py at 2018-07-10 23:35:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.01 Mbit/s

95th percentile per-packet one-way delay: 12.381 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 57.57 Mbit/s

95th percentile per-packet one-way delay: 12.133 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 39.13 Mbit/s

95th percentile per-packet one-way delay: 12.577 ms

Loss rate: 0.15%

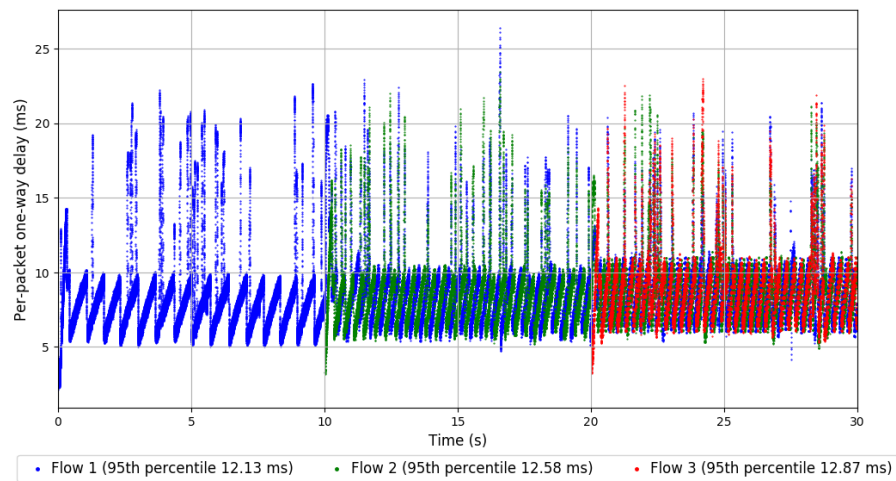
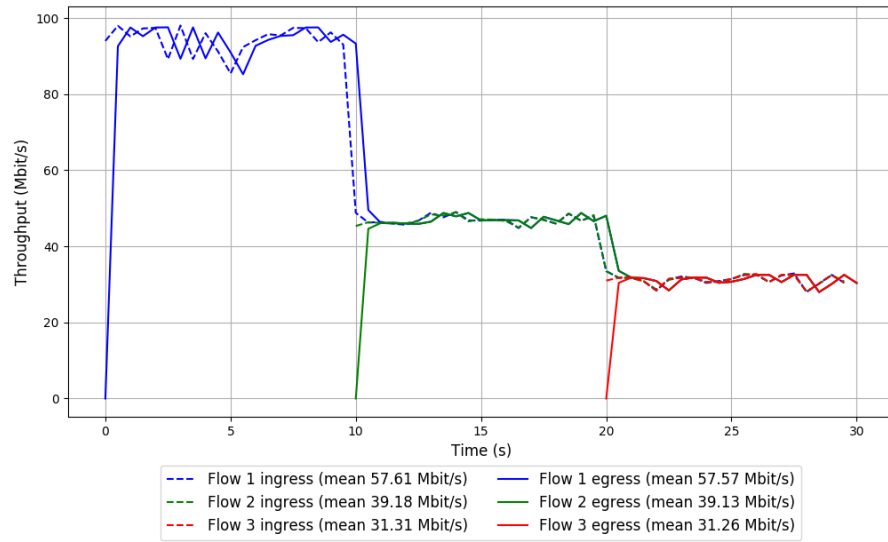
-- Flow 3:

Average throughput: 31.26 Mbit/s

95th percentile per-packet one-way delay: 12.871 ms

Loss rate: 0.22%

Run 2: Report of TCP Cubic — Data Link

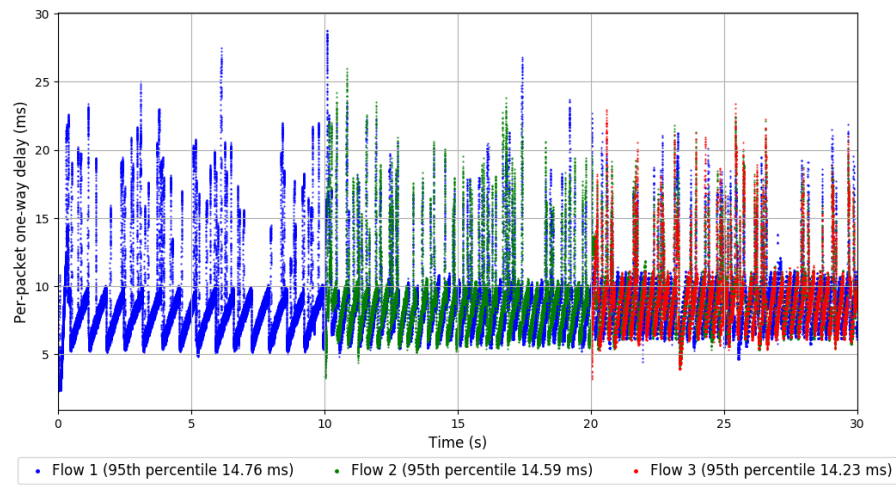
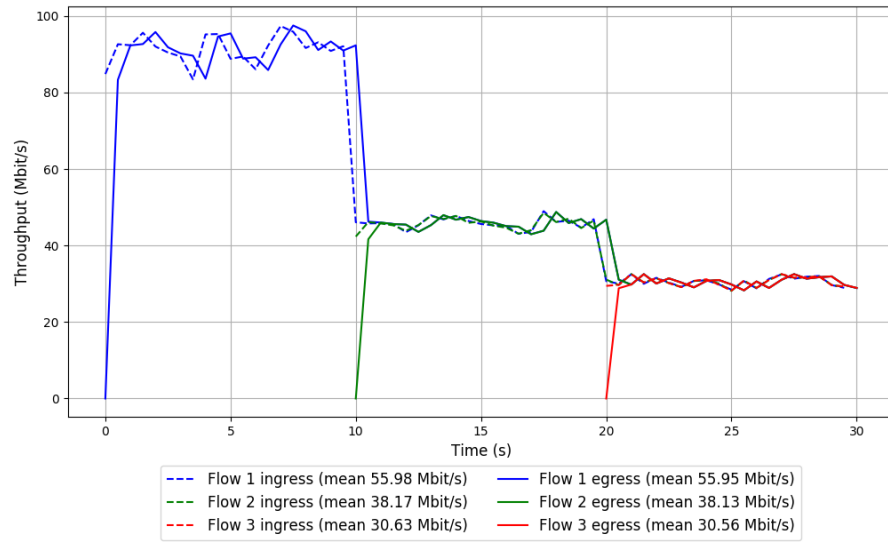


Run 3: Statistics of TCP Cubic

Start at: 2018-07-10 21:02:09
End at: 2018-07-10 21:02:39
Local clock offset: -1.045 ms
Remote clock offset: -0.454 ms

Below is generated by plot.py at 2018-07-10 23:35:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.49 Mbit/s
95th percentile per-packet one-way delay: 14.620 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 55.95 Mbit/s
95th percentile per-packet one-way delay: 14.763 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.13 Mbit/s
95th percentile per-packet one-way delay: 14.590 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 30.56 Mbit/s
95th percentile per-packet one-way delay: 14.229 ms
Loss rate: 0.26%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-10 21:21:19

End at: 2018-07-10 21:21:49

Local clock offset: -1.075 ms

Remote clock offset: 0.626 ms

Below is generated by plot.py at 2018-07-10 23:35:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.10 Mbit/s

95th percentile per-packet one-way delay: 13.329 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 56.86 Mbit/s

95th percentile per-packet one-way delay: 13.471 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 38.92 Mbit/s

95th percentile per-packet one-way delay: 12.968 ms

Loss rate: 0.14%

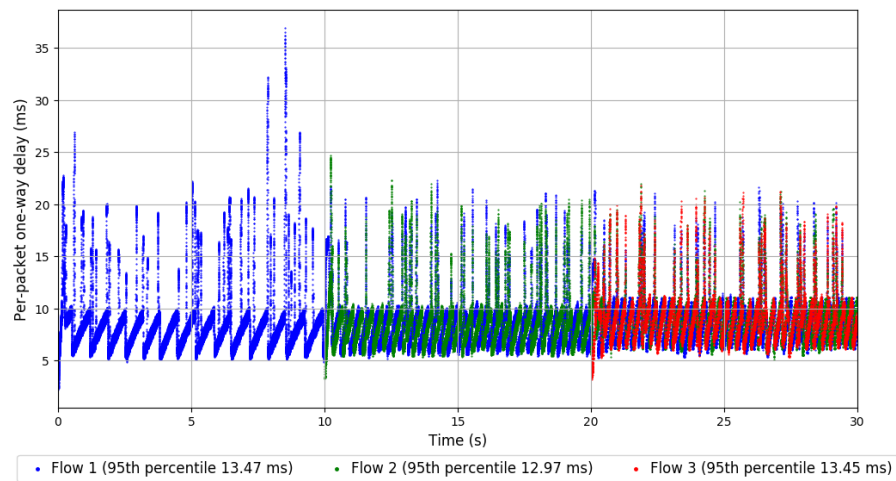
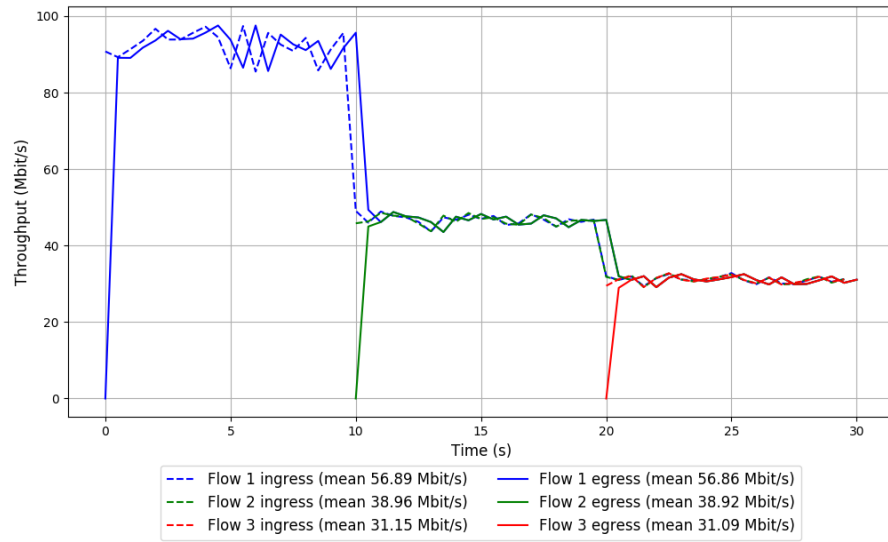
-- Flow 3:

Average throughput: 31.09 Mbit/s

95th percentile per-packet one-way delay: 13.453 ms

Loss rate: 0.24%

Run 4: Report of TCP Cubic — Data Link

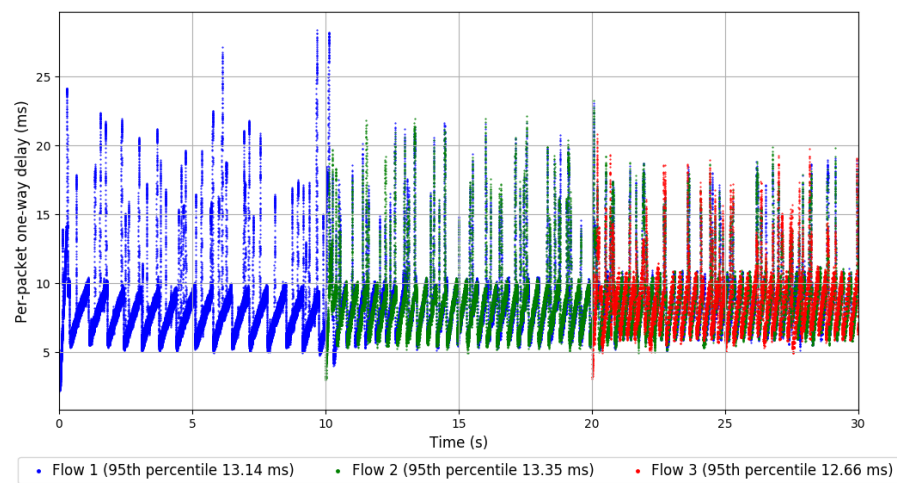
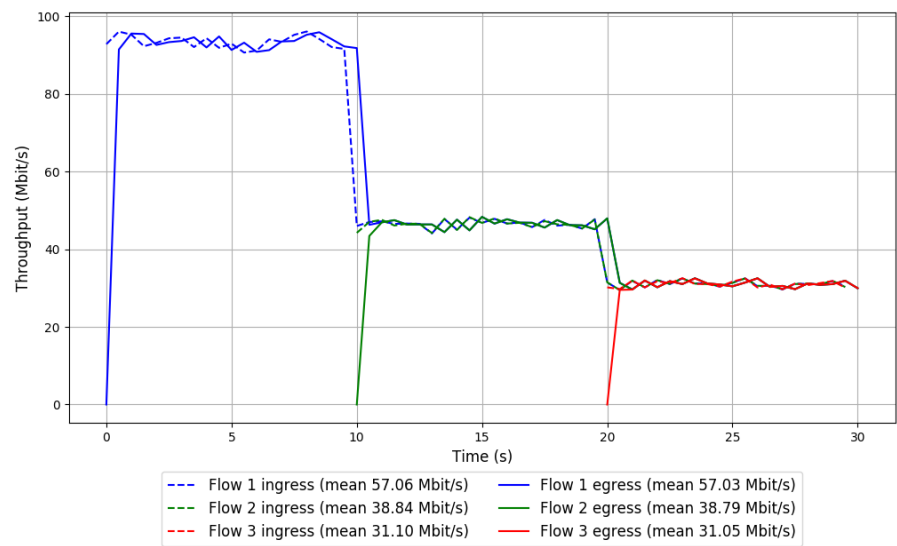


Run 5: Statistics of TCP Cubic

Start at: 2018-07-10 21:40:26
End at: 2018-07-10 21:40:56
Local clock offset: -1.179 ms
Remote clock offset: -8.275 ms

Below is generated by plot.py at 2018-07-10 23:35:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 13.113 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 57.03 Mbit/s
95th percentile per-packet one-way delay: 13.138 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 38.79 Mbit/s
95th percentile per-packet one-way delay: 13.349 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 31.05 Mbit/s
95th percentile per-packet one-way delay: 12.660 ms
Loss rate: 0.23%

Run 5: Report of TCP Cubic — Data Link

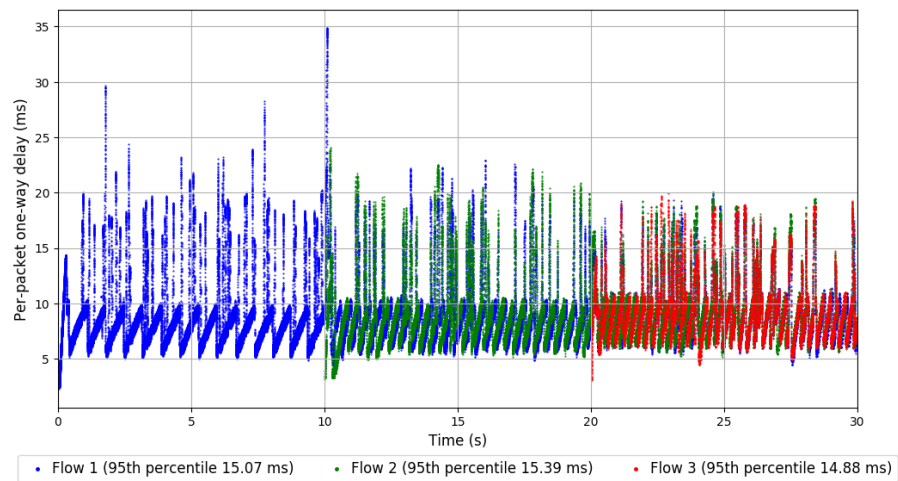
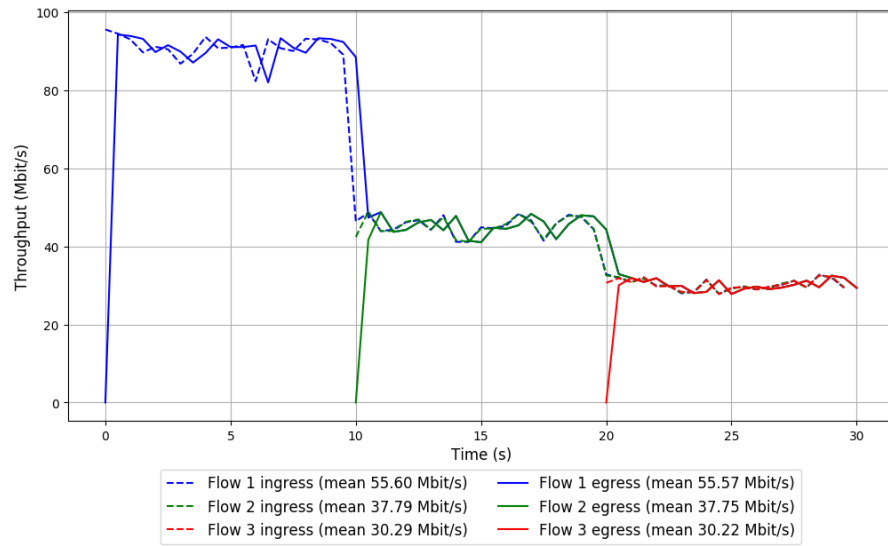


Run 6: Statistics of TCP Cubic

Start at: 2018-07-10 21:59:33
End at: 2018-07-10 22:00:03
Local clock offset: -1.117 ms
Remote clock offset: -11.148 ms

Below is generated by plot.py at 2018-07-10 23:35:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.75 Mbit/s
95th percentile per-packet one-way delay: 15.154 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 55.57 Mbit/s
95th percentile per-packet one-way delay: 15.070 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 37.75 Mbit/s
95th percentile per-packet one-way delay: 15.387 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 30.22 Mbit/s
95th percentile per-packet one-way delay: 14.878 ms
Loss rate: 0.25%

Run 6: Report of TCP Cubic — Data Link

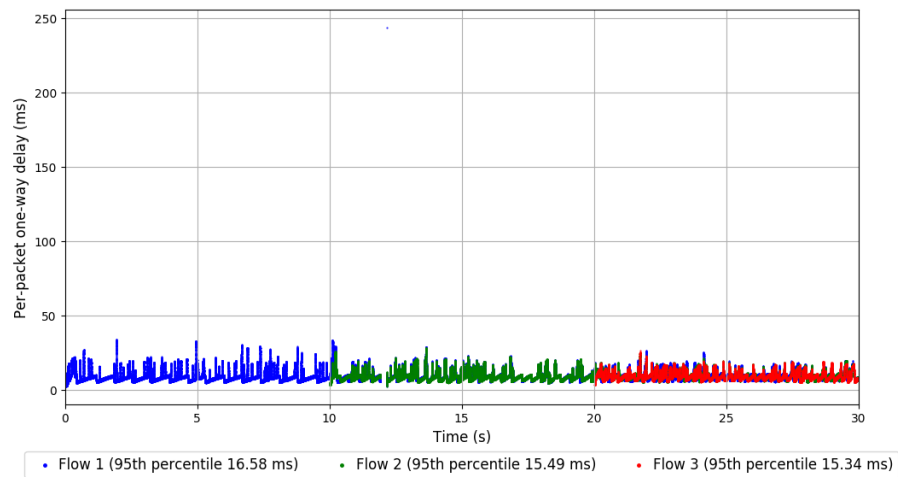
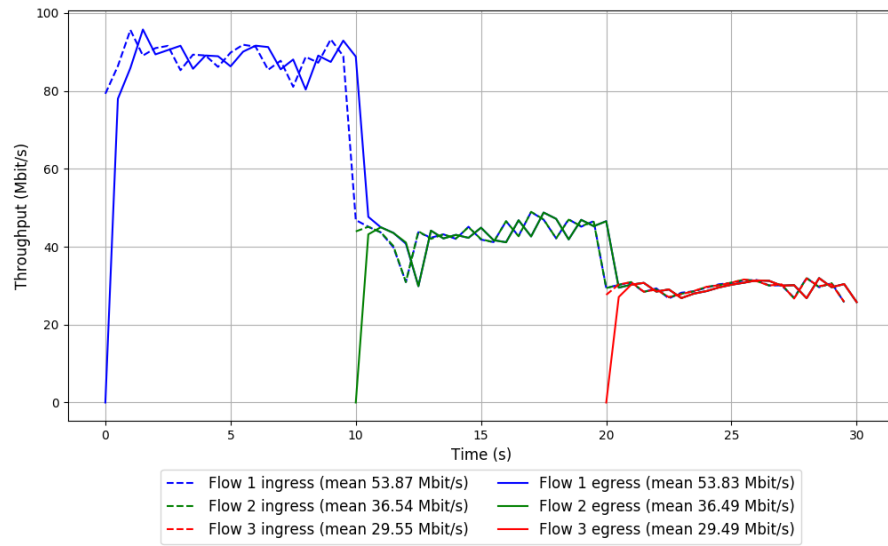


Run 7: Statistics of TCP Cubic

Start at: 2018-07-10 22:18:38
End at: 2018-07-10 22:19:08
Local clock offset: -1.064 ms
Remote clock offset: -13.16 ms

Below is generated by plot.py at 2018-07-10 23:35:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.93 Mbit/s
95th percentile per-packet one-way delay: 16.030 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 53.83 Mbit/s
95th percentile per-packet one-way delay: 16.583 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 36.49 Mbit/s
95th percentile per-packet one-way delay: 15.492 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 29.49 Mbit/s
95th percentile per-packet one-way delay: 15.335 ms
Loss rate: 0.24%

Run 7: Report of TCP Cubic — Data Link

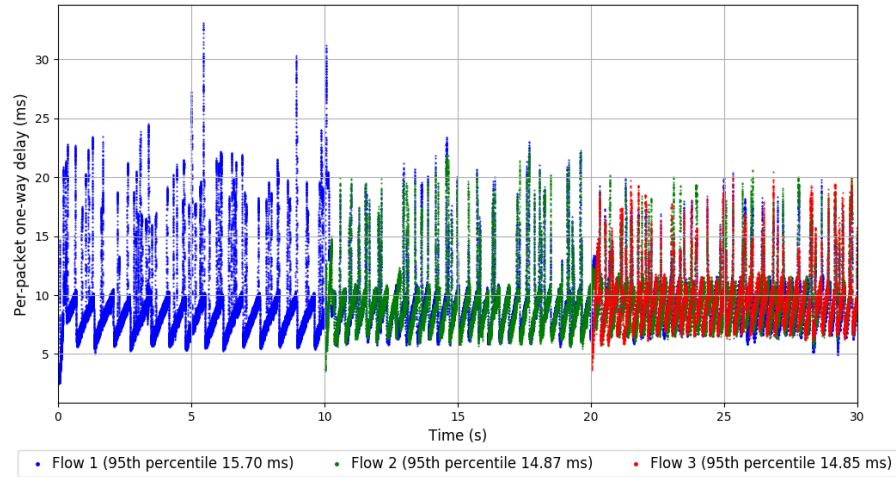
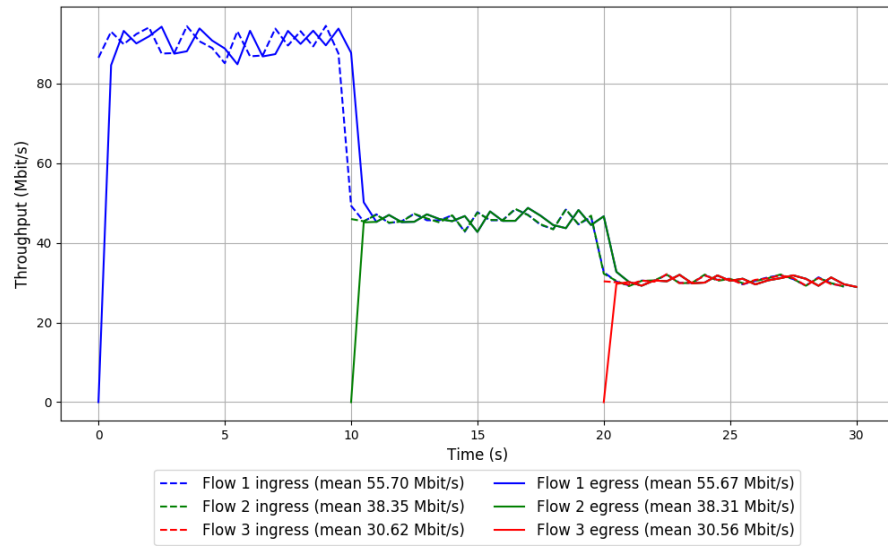


Run 8: Statistics of TCP Cubic

Start at: 2018-07-10 22:37:41
End at: 2018-07-10 22:38:11
Local clock offset: -1.059 ms
Remote clock offset: -7.328 ms

Below is generated by plot.py at 2018-07-10 23:35:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.32 Mbit/s
95th percentile per-packet one-way delay: 15.325 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 55.67 Mbit/s
95th percentile per-packet one-way delay: 15.700 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 38.31 Mbit/s
95th percentile per-packet one-way delay: 14.873 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 30.56 Mbit/s
95th percentile per-packet one-way delay: 14.848 ms
Loss rate: 0.26%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-10 22:56:51

End at: 2018-07-10 22:57:21

Local clock offset: -1.045 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2018-07-10 23:35:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.53 Mbit/s

95th percentile per-packet one-way delay: 10.711 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 58.41 Mbit/s

95th percentile per-packet one-way delay: 10.486 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 39.84 Mbit/s

95th percentile per-packet one-way delay: 10.724 ms

Loss rate: 0.13%

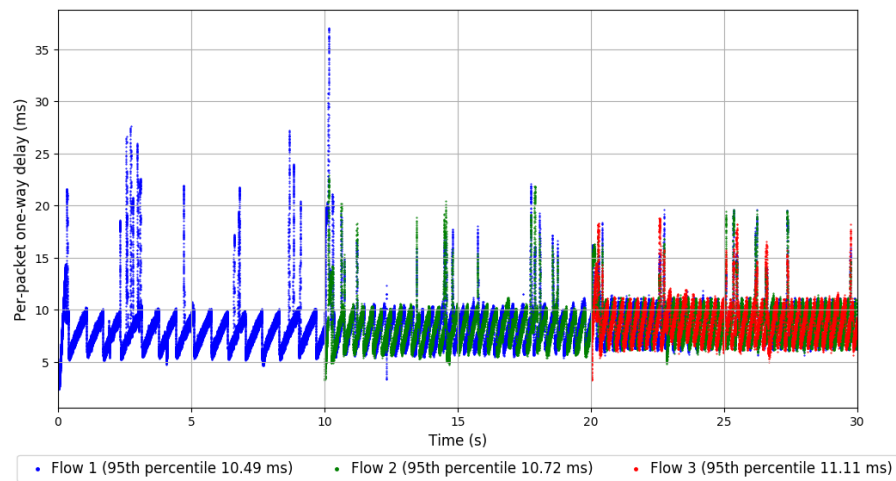
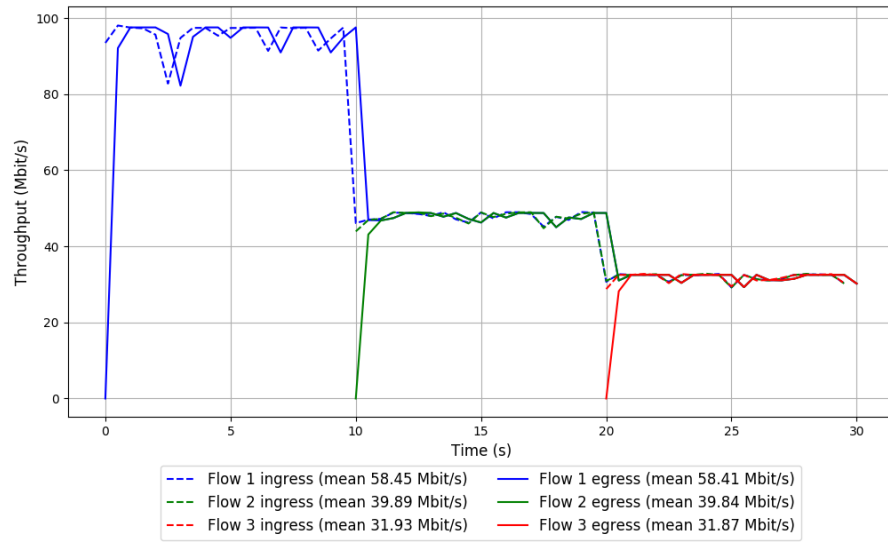
-- Flow 3:

Average throughput: 31.87 Mbit/s

95th percentile per-packet one-way delay: 11.106 ms

Loss rate: 0.24%

Run 9: Report of TCP Cubic — Data Link

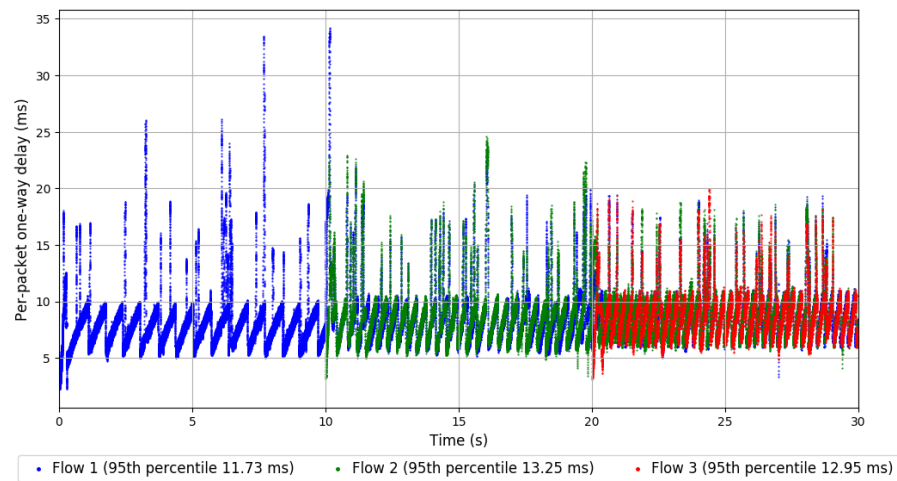
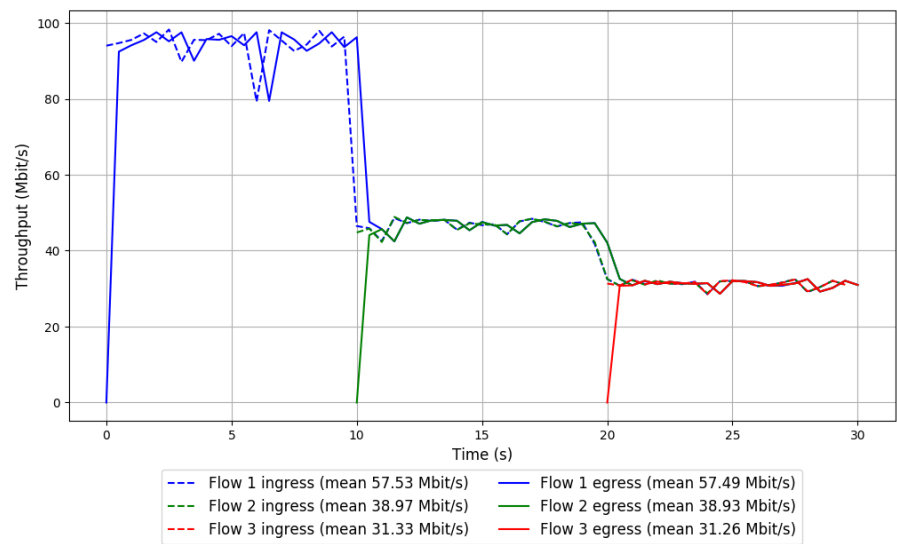


Run 10: Statistics of TCP Cubic

Start at: 2018-07-10 23:16:00
End at: 2018-07-10 23:16:30
Local clock offset: -1.098 ms
Remote clock offset: -0.514 ms

Below is generated by plot.py at 2018-07-10 23:35:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.81 Mbit/s
95th percentile per-packet one-way delay: 12.425 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 57.49 Mbit/s
95th percentile per-packet one-way delay: 11.728 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 38.93 Mbit/s
95th percentile per-packet one-way delay: 13.253 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: 12.950 ms
Loss rate: 0.23%

Run 10: Report of TCP Cubic — Data Link

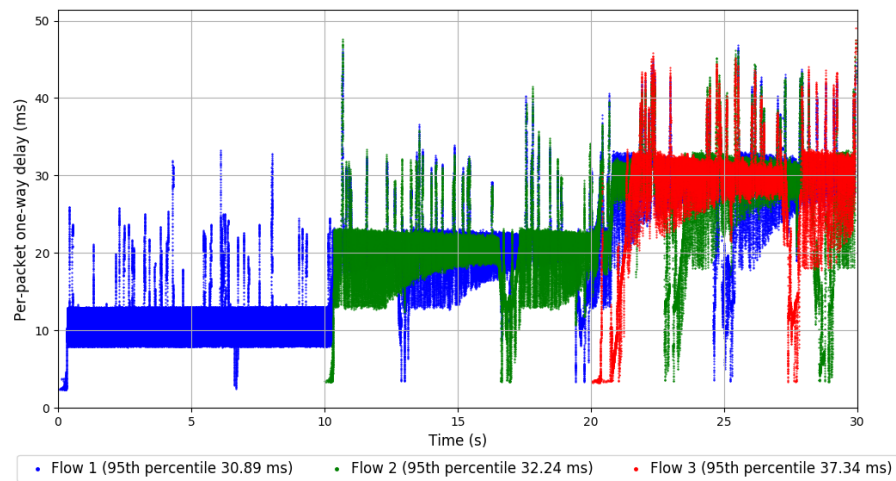
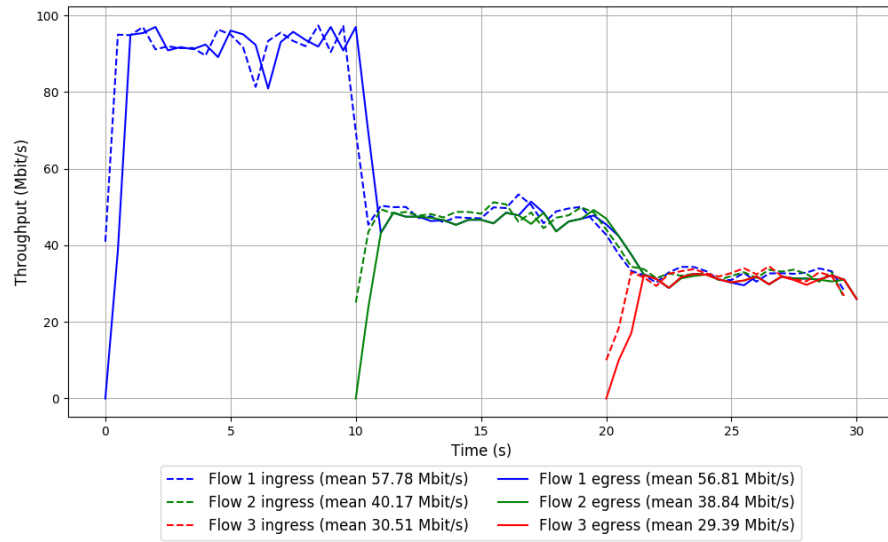


Run 1: Statistics of FillP

Start at: 2018-07-10 20:22:45
End at: 2018-07-10 20:23:15
Local clock offset: -1.063 ms
Remote clock offset: -4.478 ms

Below is generated by plot.py at 2018-07-10 23:36:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.38 Mbit/s
95th percentile per-packet one-way delay: 31.870 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 56.81 Mbit/s
95th percentile per-packet one-way delay: 30.887 ms
Loss rate: 1.74%
-- Flow 2:
Average throughput: 38.84 Mbit/s
95th percentile per-packet one-way delay: 32.236 ms
Loss rate: 3.39%
-- Flow 3:
Average throughput: 29.39 Mbit/s
95th percentile per-packet one-way delay: 37.336 ms
Loss rate: 3.83%

Run 1: Report of FillP — Data Link

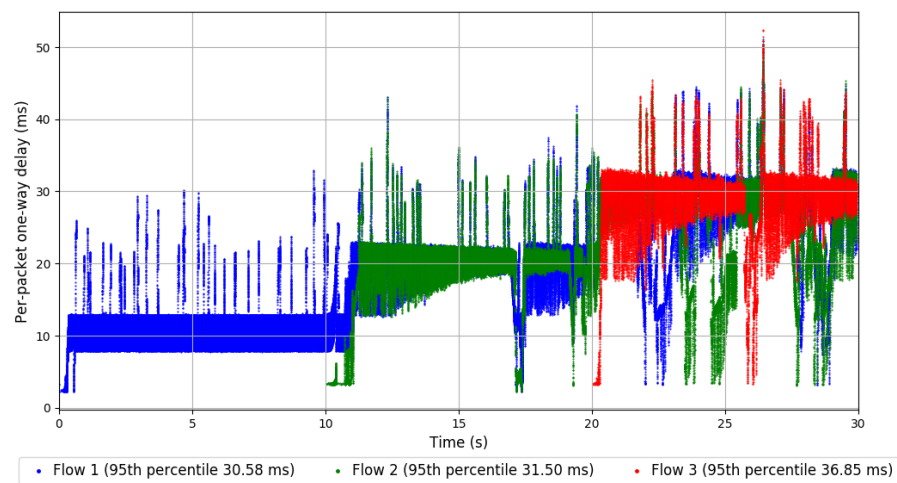
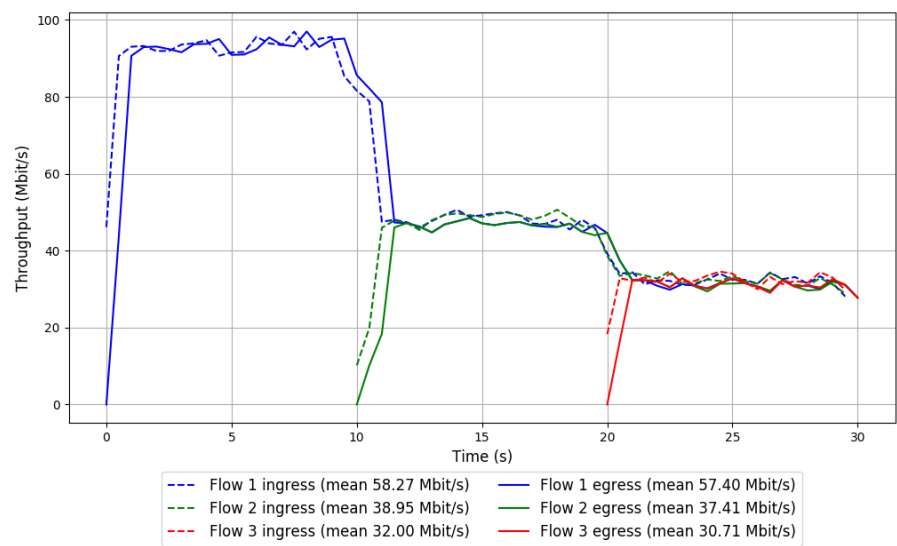


Run 2: Statistics of FillP

Start at: 2018-07-10 20:41:53
End at: 2018-07-10 20:42:23
Local clock offset: -1.063 ms
Remote clock offset: -1.693 ms

Below is generated by plot.py at 2018-07-10 23:36:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: 31.438 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 57.40 Mbit/s
95th percentile per-packet one-way delay: 30.580 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 37.41 Mbit/s
95th percentile per-packet one-way delay: 31.500 ms
Loss rate: 4.04%
-- Flow 3:
Average throughput: 30.71 Mbit/s
95th percentile per-packet one-way delay: 36.852 ms
Loss rate: 4.21%

Run 2: Report of FillP — Data Link

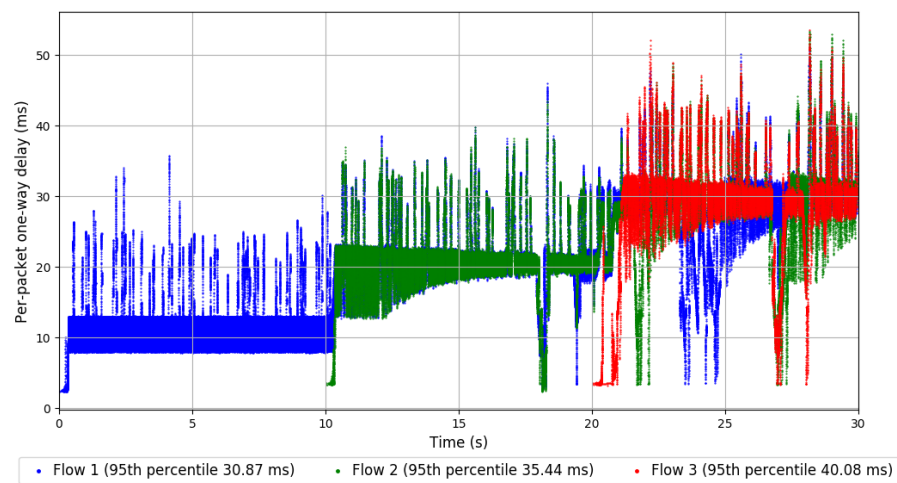
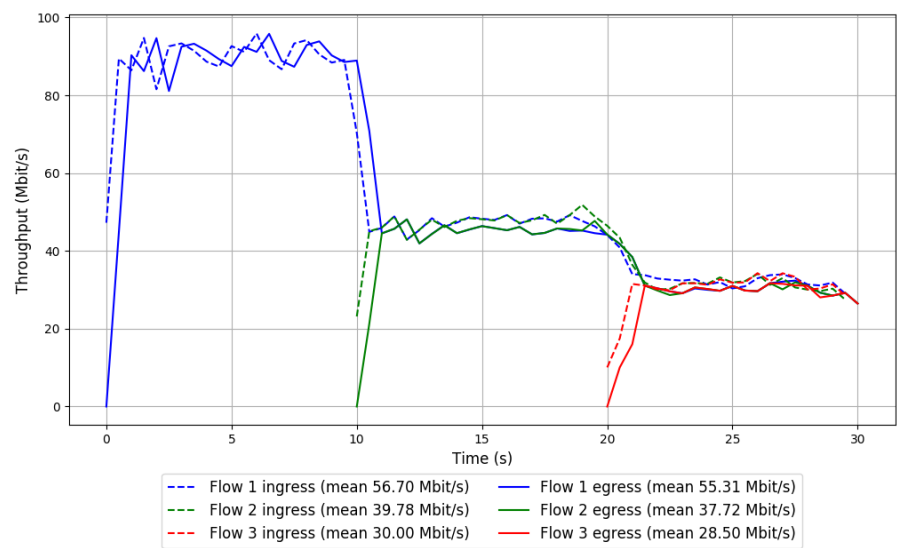


Run 3: Statistics of FillP

Start at: 2018-07-10 21:01:02
End at: 2018-07-10 21:01:32
Local clock offset: -1.044 ms
Remote clock offset: -0.584 ms

Below is generated by plot.py at 2018-07-10 23:36:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 34.058 ms
Loss rate: 3.57%
-- Flow 1:
Average throughput: 55.31 Mbit/s
95th percentile per-packet one-way delay: 30.869 ms
Loss rate: 2.50%
-- Flow 2:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 35.437 ms
Loss rate: 5.25%
-- Flow 3:
Average throughput: 28.50 Mbit/s
95th percentile per-packet one-way delay: 40.081 ms
Loss rate: 5.16%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-10 21:20:12

End at: 2018-07-10 21:20:42

Local clock offset: -1.068 ms

Remote clock offset: 0.558 ms

Below is generated by plot.py at 2018-07-10 23:36:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.40 Mbit/s

95th percentile per-packet one-way delay: 32.033 ms

Loss rate: 2.40%

-- Flow 1:

Average throughput: 57.75 Mbit/s

95th percentile per-packet one-way delay: 30.612 ms

Loss rate: 1.53%

-- Flow 2:

Average throughput: 37.65 Mbit/s

95th percentile per-packet one-way delay: 34.049 ms

Loss rate: 3.66%

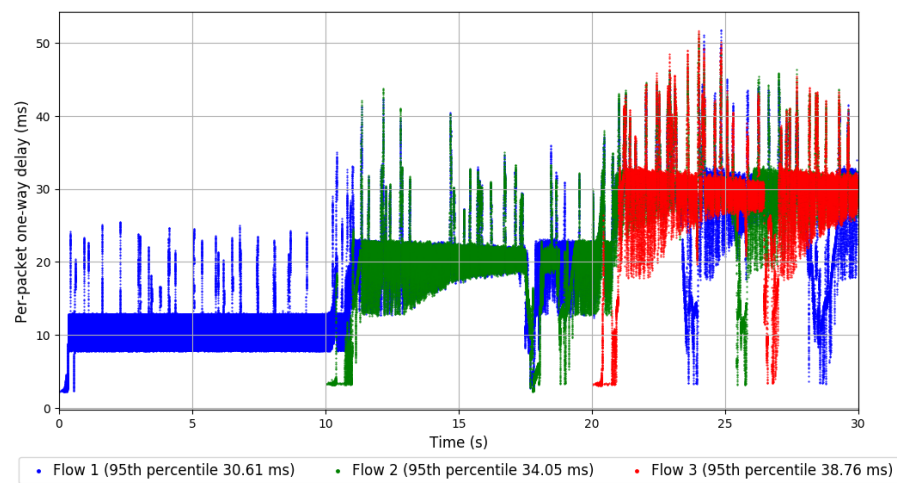
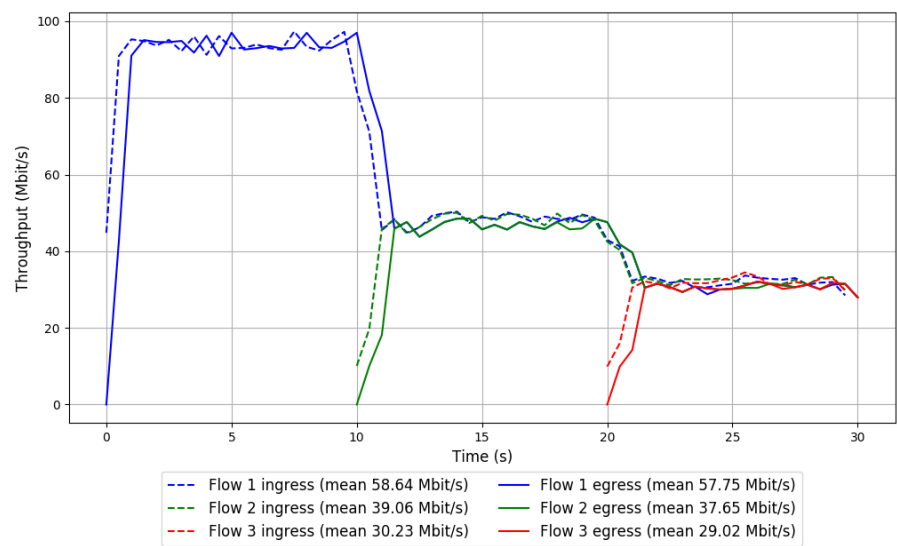
-- Flow 3:

Average throughput: 29.02 Mbit/s

95th percentile per-packet one-way delay: 38.763 ms

Loss rate: 4.17%

Run 4: Report of FillP — Data Link

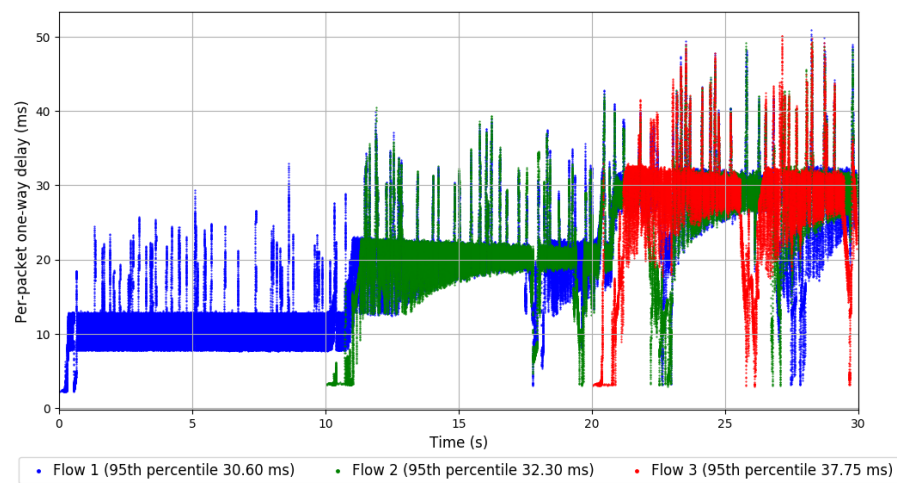
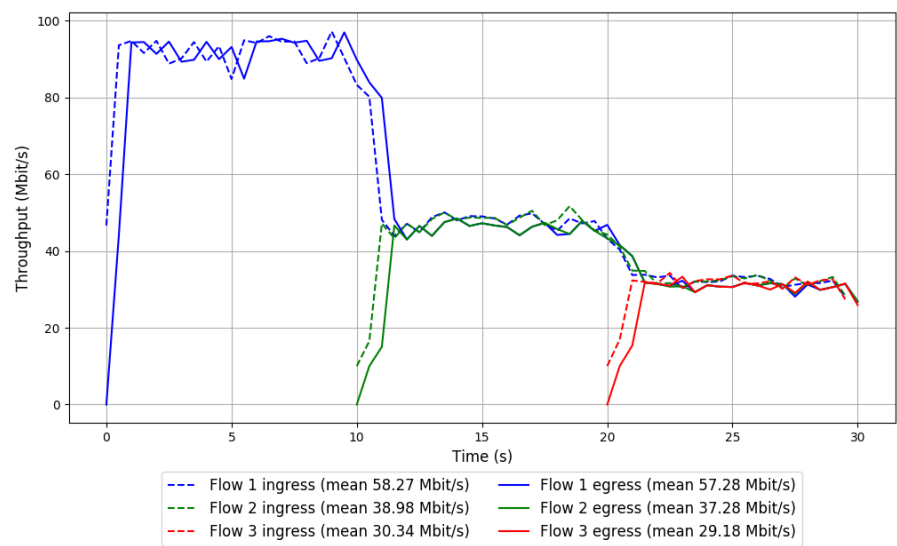


Run 5: Statistics of FillP

Start at: 2018-07-10 21:39:19
End at: 2018-07-10 21:39:49
Local clock offset: -1.099 ms
Remote clock offset: -8.016 ms

Below is generated by plot.py at 2018-07-10 23:36:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 31.599 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 57.28 Mbit/s
95th percentile per-packet one-way delay: 30.598 ms
Loss rate: 1.75%
-- Flow 2:
Average throughput: 37.28 Mbit/s
95th percentile per-packet one-way delay: 32.302 ms
Loss rate: 4.44%
-- Flow 3:
Average throughput: 29.18 Mbit/s
95th percentile per-packet one-way delay: 37.754 ms
Loss rate: 3.85%

Run 5: Report of FillP — Data Link

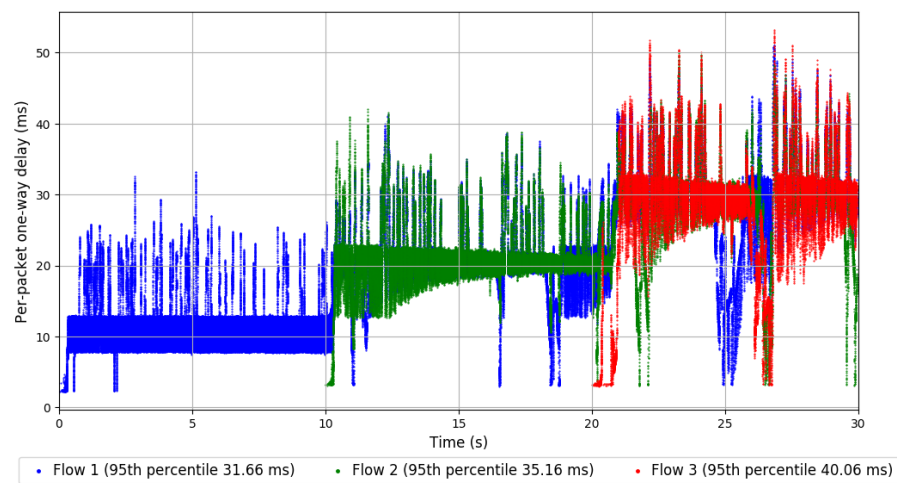
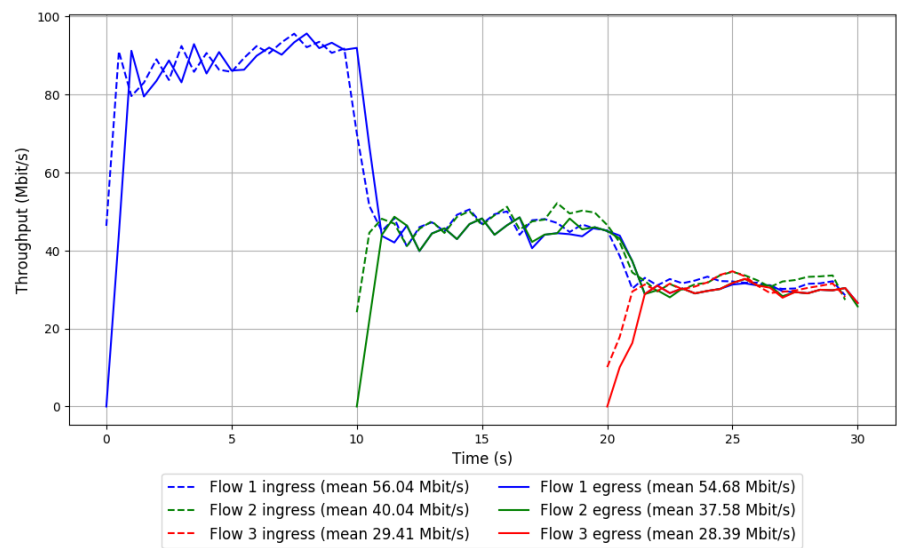


Run 6: Statistics of FillP

Start at: 2018-07-10 21:58:26
End at: 2018-07-10 21:58:56
Local clock offset: -1.137 ms
Remote clock offset: -11.063 ms

Below is generated by plot.py at 2018-07-10 23:36:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.10 Mbit/s
95th percentile per-packet one-way delay: 34.763 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 54.68 Mbit/s
95th percentile per-packet one-way delay: 31.663 ms
Loss rate: 2.47%
-- Flow 2:
Average throughput: 37.58 Mbit/s
95th percentile per-packet one-way delay: 35.158 ms
Loss rate: 6.15%
-- Flow 3:
Average throughput: 28.39 Mbit/s
95th percentile per-packet one-way delay: 40.064 ms
Loss rate: 3.66%

Run 6: Report of FillP — Data Link

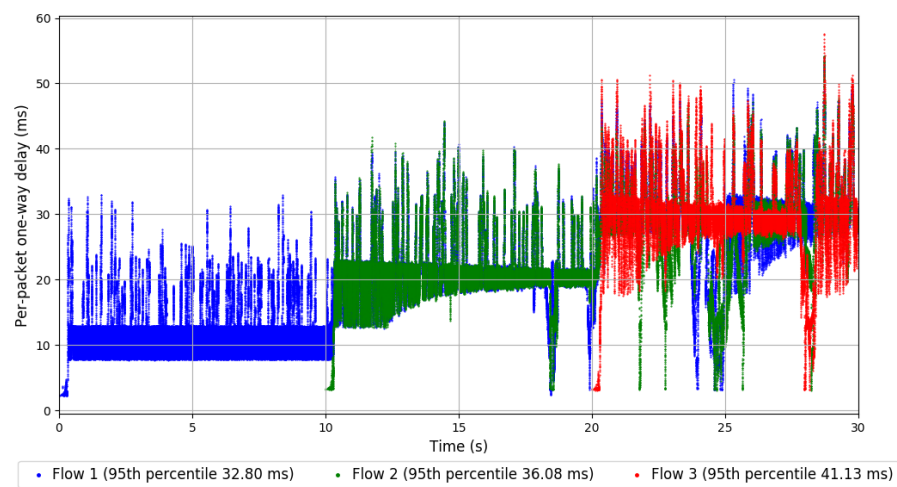
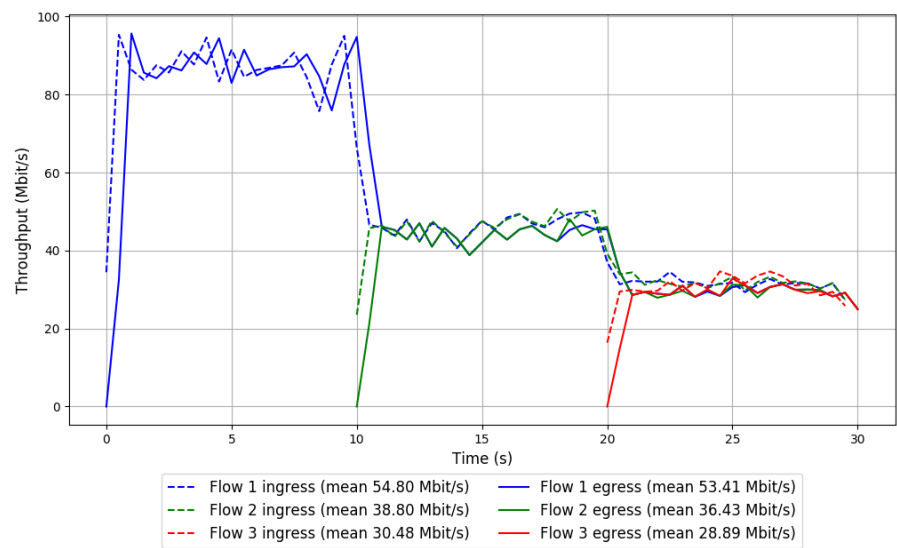


Run 7: Statistics of FillP

Start at: 2018-07-10 22:17:30
End at: 2018-07-10 22:18:00
Local clock offset: -1.079 ms
Remote clock offset: -13.058 ms

Below is generated by plot.py at 2018-07-10 23:36:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 35.922 ms
Loss rate: 3.92%
-- Flow 1:
Average throughput: 53.41 Mbit/s
95th percentile per-packet one-way delay: 32.795 ms
Loss rate: 2.59%
-- Flow 2:
Average throughput: 36.43 Mbit/s
95th percentile per-packet one-way delay: 36.080 ms
Loss rate: 6.19%
-- Flow 3:
Average throughput: 28.89 Mbit/s
95th percentile per-packet one-way delay: 41.131 ms
Loss rate: 5.31%

Run 7: Report of FillP — Data Link

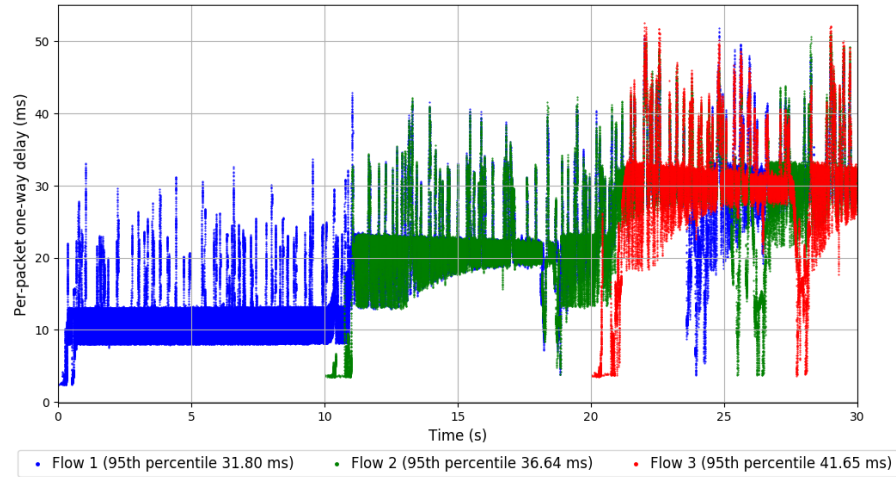
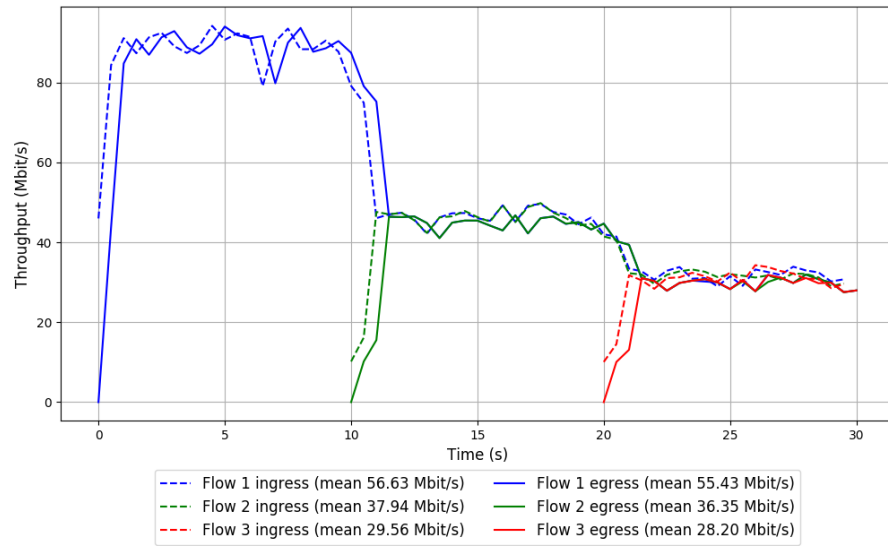


Run 8: Statistics of FillP

Start at: 2018-07-10 22:36:34
End at: 2018-07-10 22:37:04
Local clock offset: -1.107 ms
Remote clock offset: -8.254 ms

Below is generated by plot.py at 2018-07-10 23:36:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.93 Mbit/s
95th percentile per-packet one-way delay: 35.481 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 55.43 Mbit/s
95th percentile per-packet one-way delay: 31.802 ms
Loss rate: 2.17%
-- Flow 2:
Average throughput: 36.35 Mbit/s
95th percentile per-packet one-way delay: 36.641 ms
Loss rate: 4.27%
-- Flow 3:
Average throughput: 28.20 Mbit/s
95th percentile per-packet one-way delay: 41.645 ms
Loss rate: 4.76%

Run 8: Report of FillP — Data Link

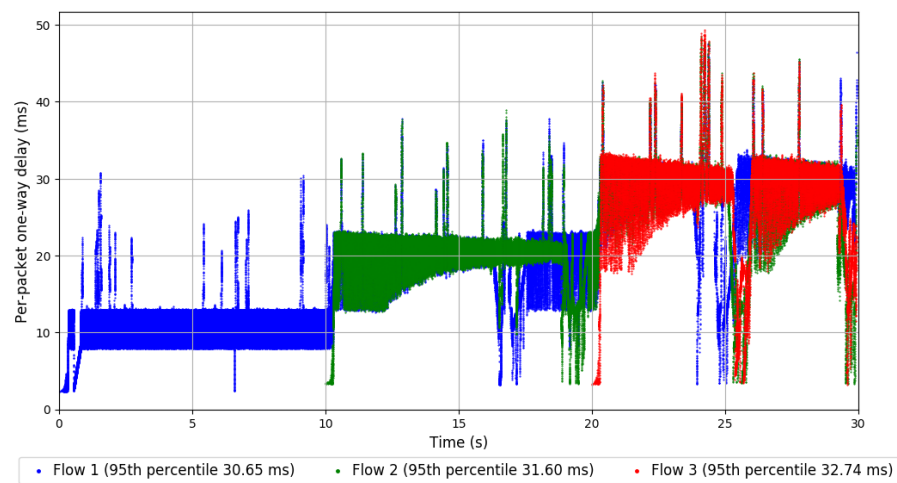
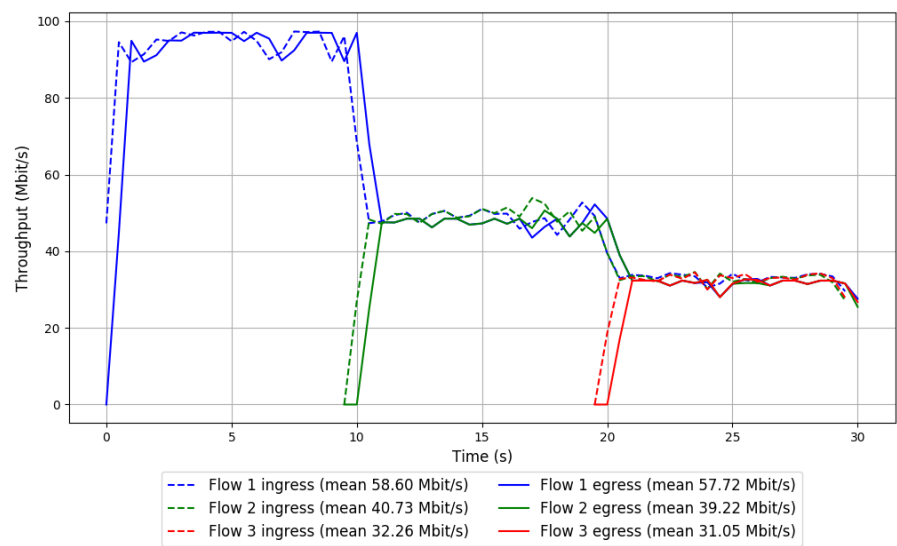


Run 9: Statistics of FillP

Start at: 2018-07-10 22:55:44
End at: 2018-07-10 22:56:14
Local clock offset: -1.059 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-07-10 23:37:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.15 Mbit/s
95th percentile per-packet one-way delay: 31.428 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 57.72 Mbit/s
95th percentile per-packet one-way delay: 30.653 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 39.22 Mbit/s
95th percentile per-packet one-way delay: 31.599 ms
Loss rate: 3.86%
-- Flow 3:
Average throughput: 31.05 Mbit/s
95th percentile per-packet one-way delay: 32.736 ms
Loss rate: 3.78%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-10 23:14:53

End at: 2018-07-10 23:15:23

Local clock offset: -1.095 ms

Remote clock offset: -0.41 ms

Below is generated by plot.py at 2018-07-10 23:37:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.41 Mbit/s

95th percentile per-packet one-way delay: 31.868 ms

Loss rate: 2.60%

-- Flow 1:

Average throughput: 56.30 Mbit/s

95th percentile per-packet one-way delay: 30.451 ms

Loss rate: 1.87%

-- Flow 2:

Average throughput: 38.29 Mbit/s

95th percentile per-packet one-way delay: 33.136 ms

Loss rate: 3.80%

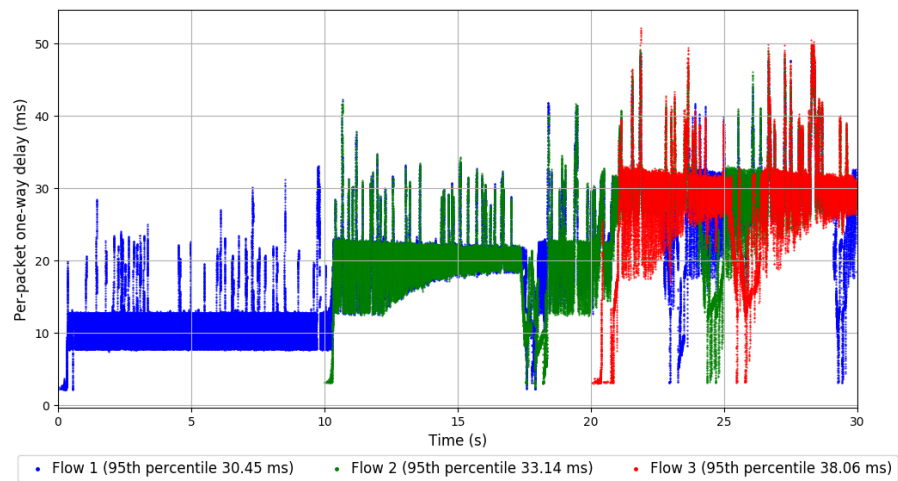
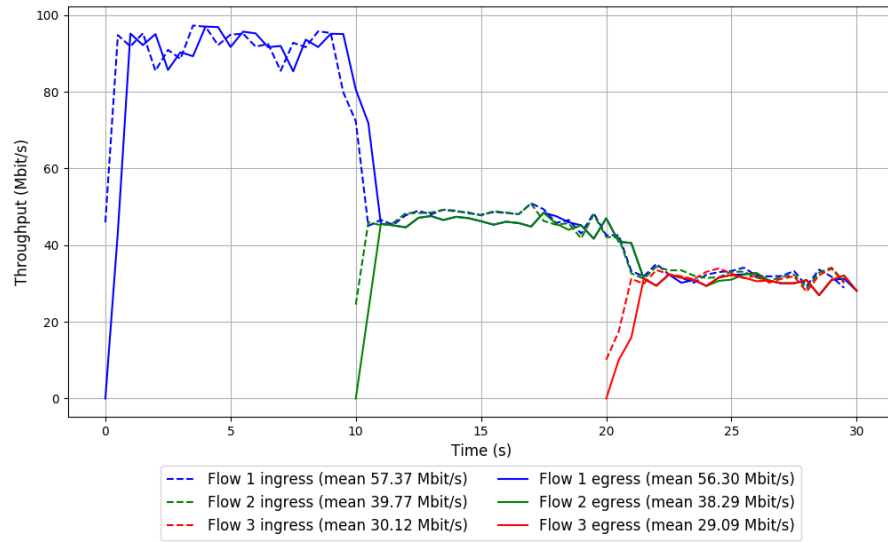
-- Flow 3:

Average throughput: 29.09 Mbit/s

95th percentile per-packet one-way delay: 38.061 ms

Loss rate: 3.61%

Run 10: Report of FillP — Data Link

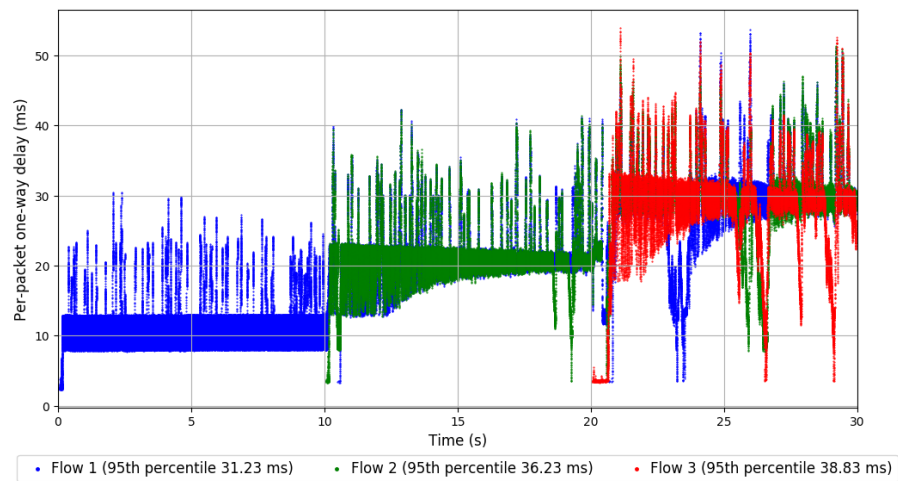
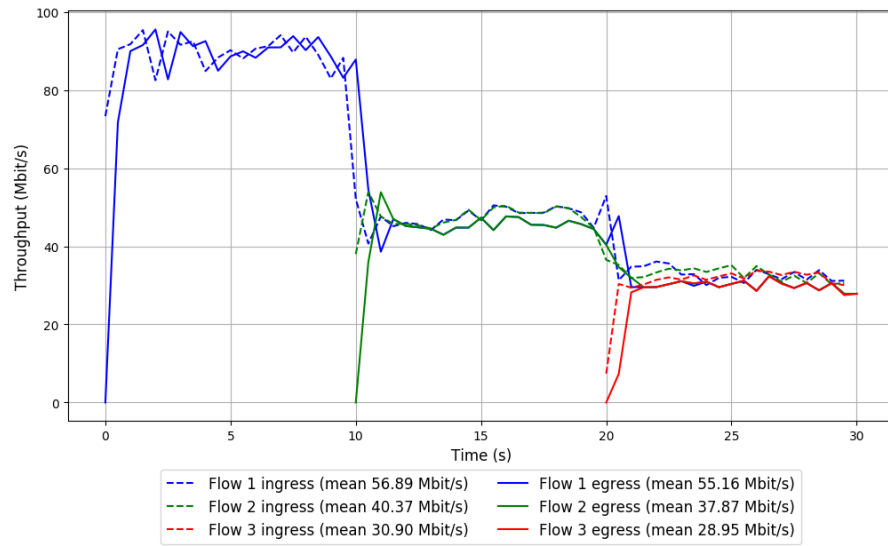


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-10 20:15:57
End at: 2018-07-10 20:16:27
Local clock offset: -1.045 ms
Remote clock offset: -7.047 ms

Below is generated by plot.py at 2018-07-10 23:38:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.94 Mbit/s
95th percentile per-packet one-way delay: 34.354 ms
Loss rate: 4.36%
-- Flow 1:
Average throughput: 55.16 Mbit/s
95th percentile per-packet one-way delay: 31.230 ms
Loss rate: 3.10%
-- Flow 2:
Average throughput: 37.87 Mbit/s
95th percentile per-packet one-way delay: 36.235 ms
Loss rate: 6.28%
-- Flow 3:
Average throughput: 28.95 Mbit/s
95th percentile per-packet one-way delay: 38.826 ms
Loss rate: 6.34%

Run 1: Report of FillP-Sheep — Data Link

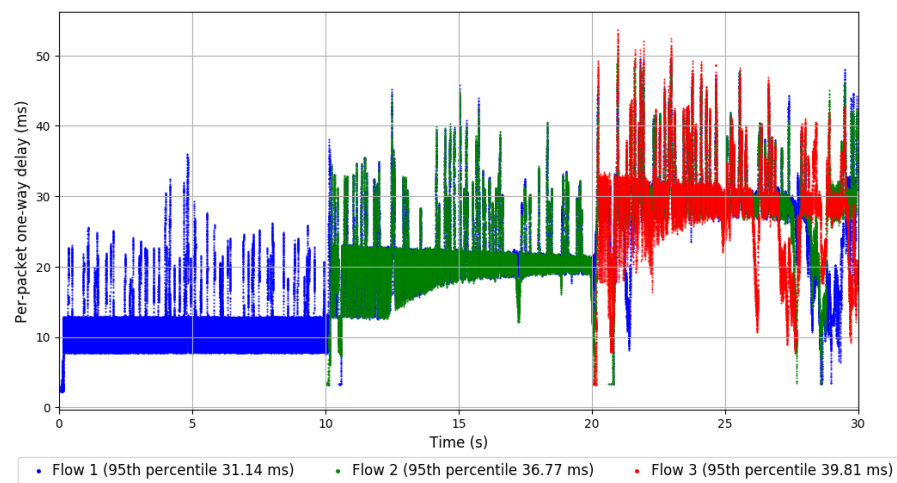
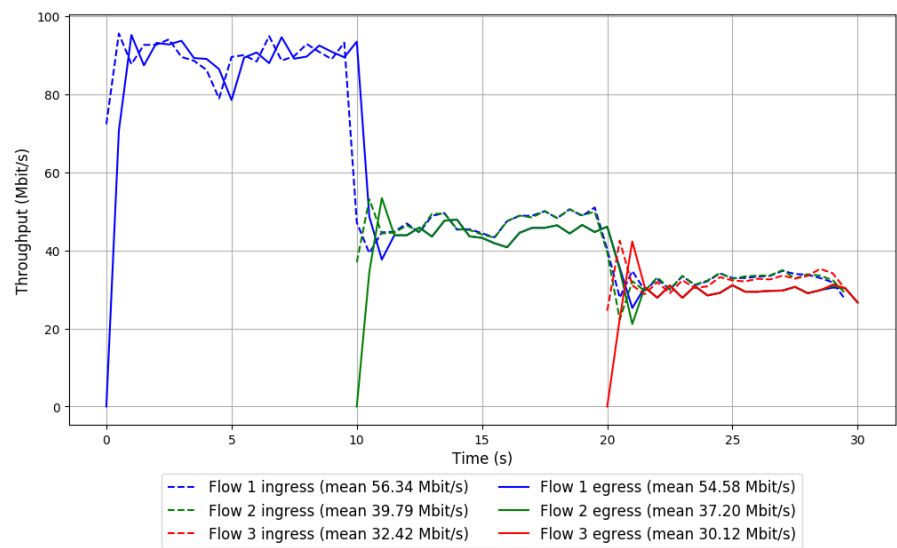


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-10 20:35:05
End at: 2018-07-10 20:35:35
Local clock offset: -1.058 ms
Remote clock offset: -2.276 ms

Below is generated by plot.py at 2018-07-10 23:38:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.30 Mbit/s
95th percentile per-packet one-way delay: 35.190 ms
Loss rate: 4.60%
-- Flow 1:
Average throughput: 54.58 Mbit/s
95th percentile per-packet one-way delay: 31.135 ms
Loss rate: 3.19%
-- Flow 2:
Average throughput: 37.20 Mbit/s
95th percentile per-packet one-way delay: 36.769 ms
Loss rate: 6.59%
-- Flow 3:
Average throughput: 30.12 Mbit/s
95th percentile per-packet one-way delay: 39.813 ms
Loss rate: 7.15%

Run 2: Report of FillP-Sheep — Data Link

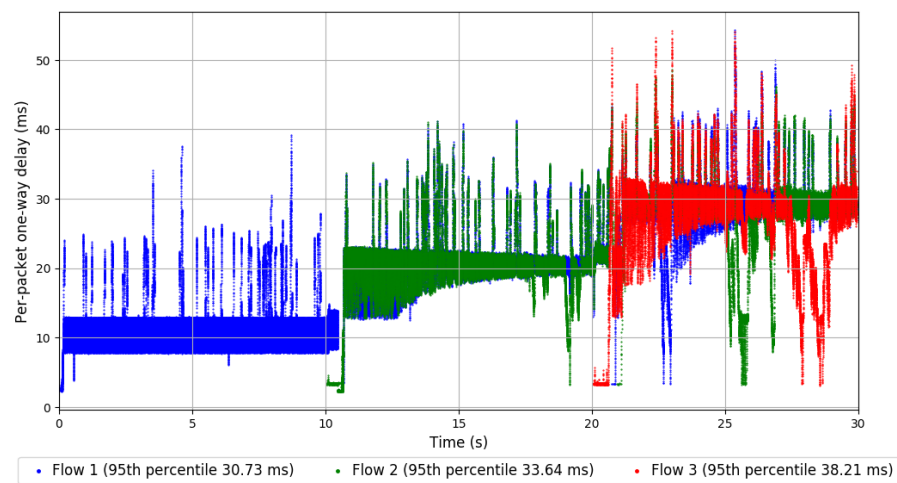
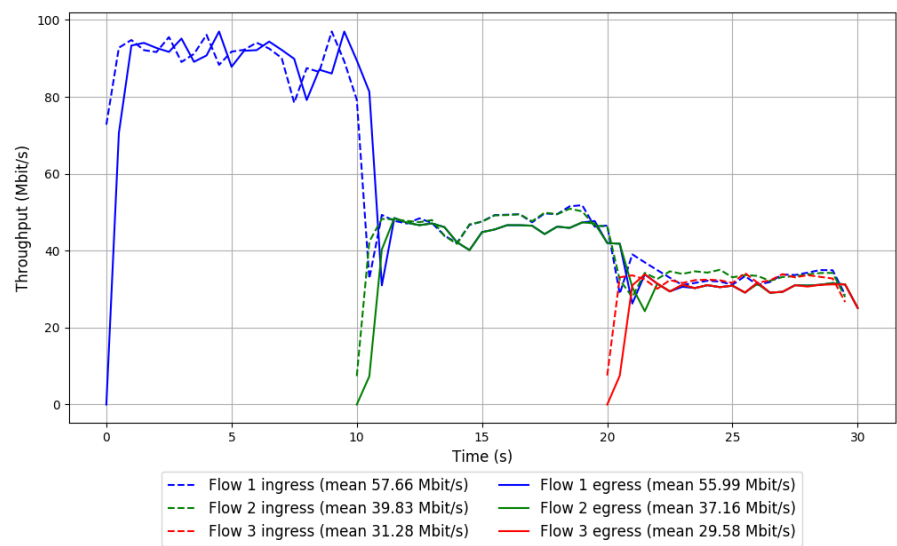


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-10 20:54:14
End at: 2018-07-10 20:54:44
Local clock offset: -1.034 ms
Remote clock offset: -0.906 ms

Below is generated by plot.py at 2018-07-10 23:38:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.49 Mbit/s
95th percentile per-packet one-way delay: 32.382 ms
Loss rate: 4.30%
-- Flow 1:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 30.725 ms
Loss rate: 2.95%
-- Flow 2:
Average throughput: 37.16 Mbit/s
95th percentile per-packet one-way delay: 33.644 ms
Loss rate: 6.76%
-- Flow 3:
Average throughput: 29.58 Mbit/s
95th percentile per-packet one-way delay: 38.211 ms
Loss rate: 5.53%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-10 21:13:23

End at: 2018-07-10 21:13:53

Local clock offset: -1.053 ms

Remote clock offset: 0.13 ms

Below is generated by plot.py at 2018-07-10 23:38:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.44 Mbit/s

95th percentile per-packet one-way delay: 32.171 ms

Loss rate: 3.97%

-- Flow 1:

Average throughput: 56.36 Mbit/s

95th percentile per-packet one-way delay: 30.862 ms

Loss rate: 2.58%

-- Flow 2:

Average throughput: 37.29 Mbit/s

95th percentile per-packet one-way delay: 33.864 ms

Loss rate: 6.26%

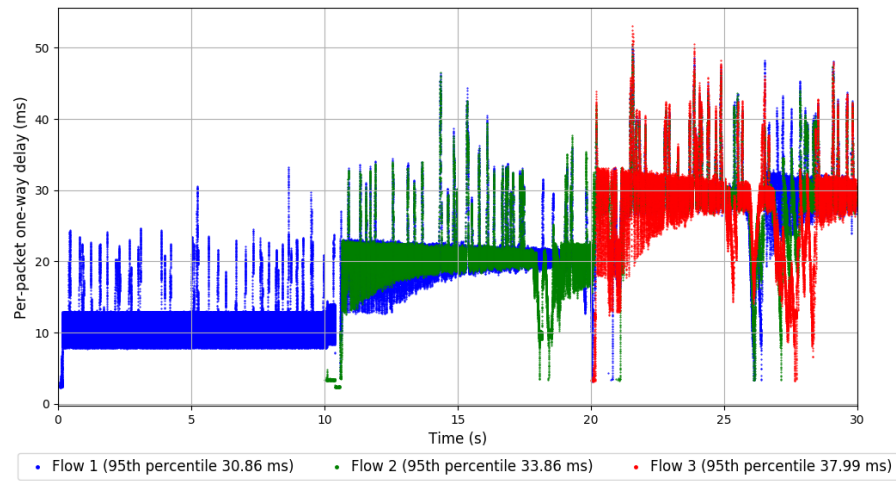
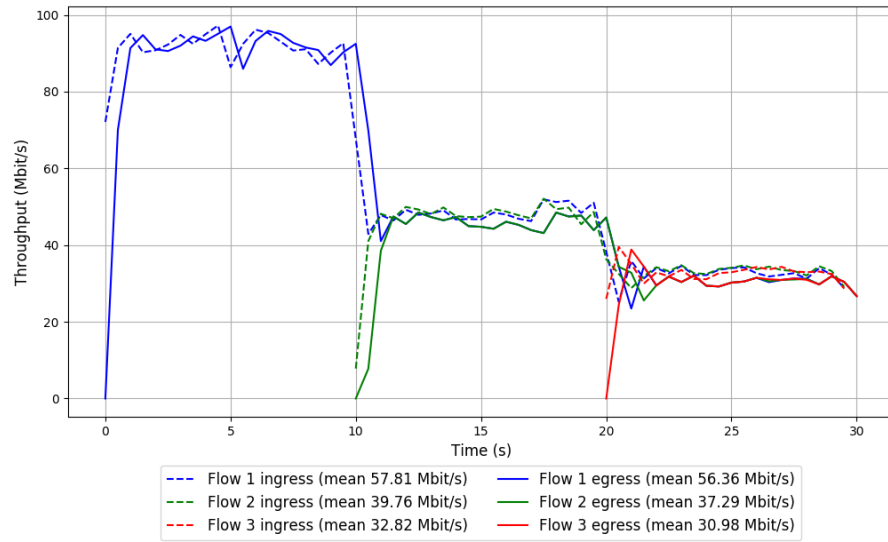
-- Flow 3:

Average throughput: 30.98 Mbit/s

95th percentile per-packet one-way delay: 37.994 ms

Loss rate: 5.78%

Run 4: Report of FillP-Sheep — Data Link

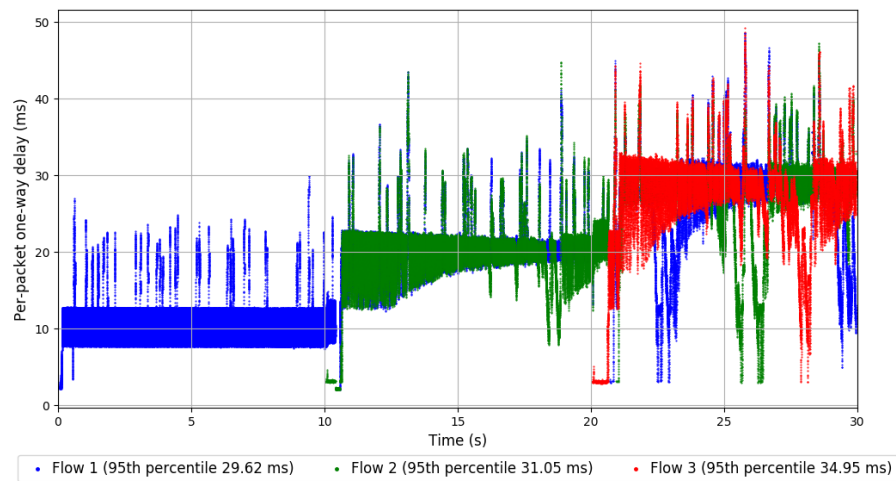
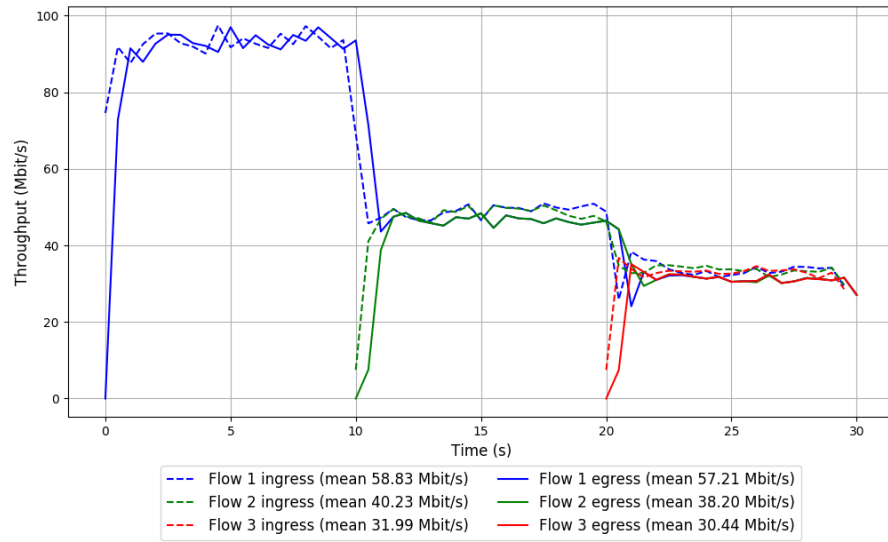


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-10 21:32:32
End at: 2018-07-10 21:33:02
Local clock offset: -1.098 ms
Remote clock offset: -5.846 ms

Below is generated by plot.py at 2018-07-10 23:38:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.69 Mbit/s
95th percentile per-packet one-way delay: 30.891 ms
Loss rate: 3.65%
-- Flow 1:
Average throughput: 57.21 Mbit/s
95th percentile per-packet one-way delay: 29.617 ms
Loss rate: 2.76%
-- Flow 2:
Average throughput: 38.20 Mbit/s
95th percentile per-packet one-way delay: 31.051 ms
Loss rate: 5.07%
-- Flow 3:
Average throughput: 30.44 Mbit/s
95th percentile per-packet one-way delay: 34.949 ms
Loss rate: 4.99%

Run 5: Report of FillP-Sheep — Data Link

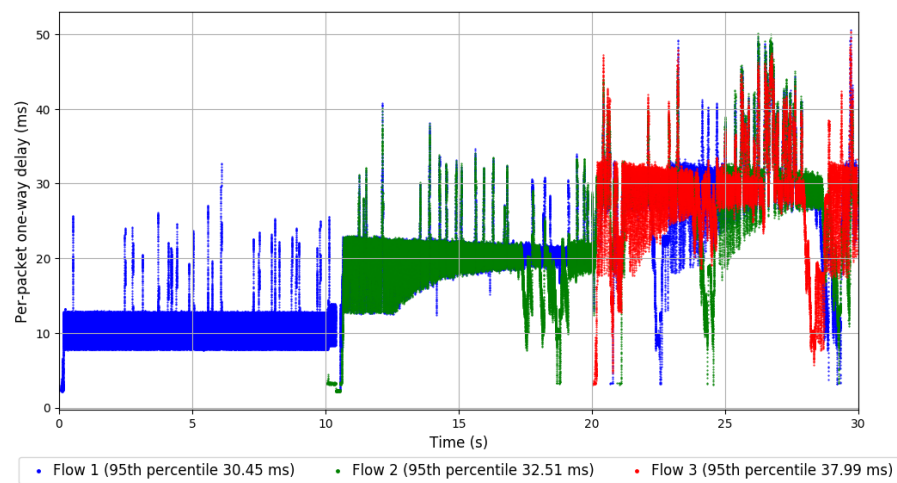
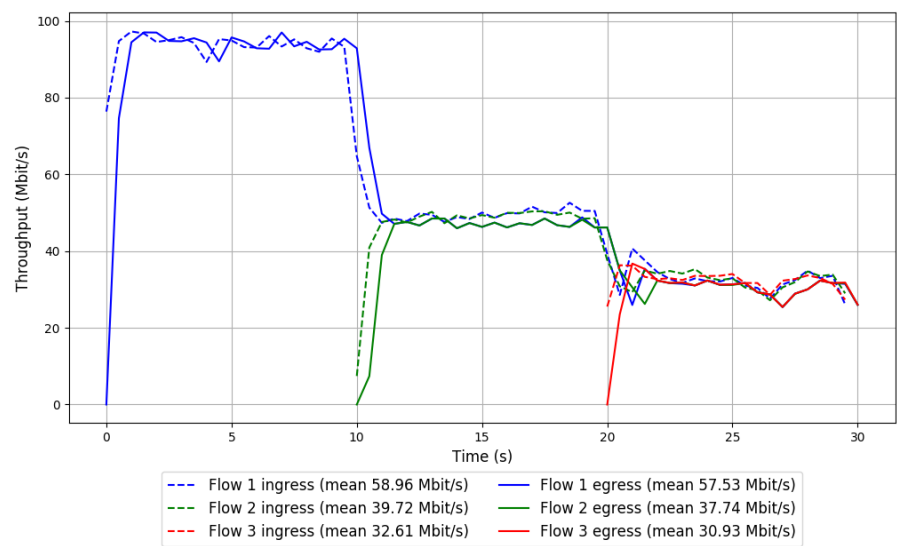


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-10 21:51:40
End at: 2018-07-10 21:52:10
Local clock offset: -1.103 ms
Remote clock offset: -10.171 ms

Below is generated by plot.py at 2018-07-10 23:38:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 31.881 ms
Loss rate: 3.46%
-- Flow 1:
Average throughput: 57.53 Mbit/s
95th percentile per-packet one-way delay: 30.447 ms
Loss rate: 2.46%
-- Flow 2:
Average throughput: 37.74 Mbit/s
95th percentile per-packet one-way delay: 32.514 ms
Loss rate: 4.98%
-- Flow 3:
Average throughput: 30.93 Mbit/s
95th percentile per-packet one-way delay: 37.990 ms
Loss rate: 5.16%

Run 6: Report of FillP-Sheep — Data Link

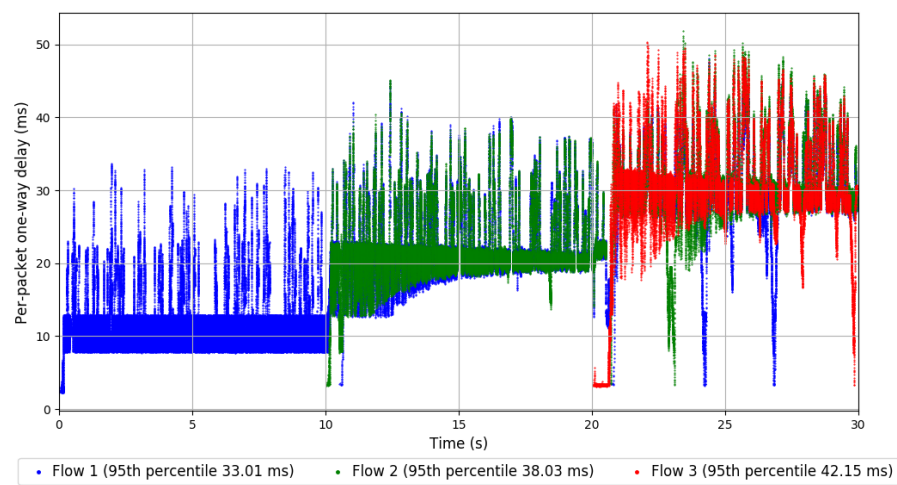
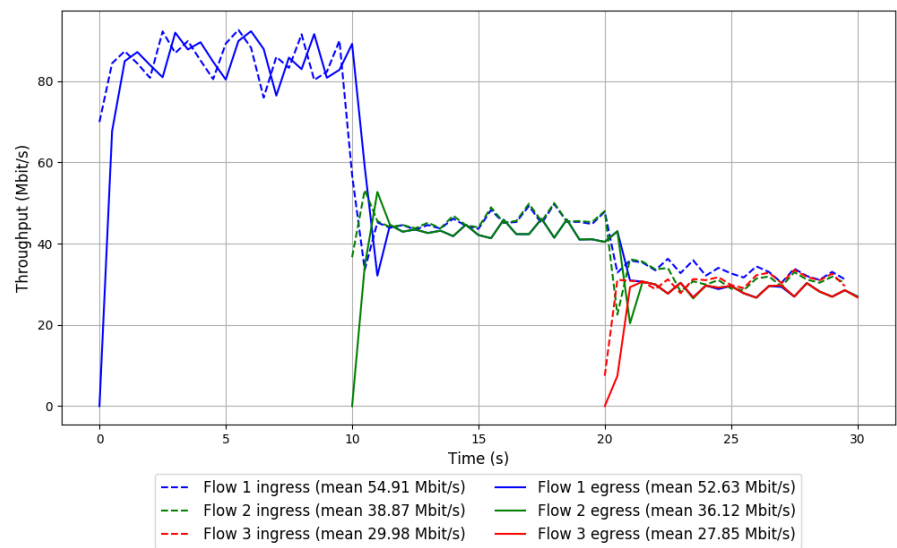


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-10 22:10:44
End at: 2018-07-10 22:11:14
Local clock offset: -1.068 ms
Remote clock offset: -12.34 ms

Below is generated by plot.py at 2018-07-10 23:39:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.88 Mbit/s
95th percentile per-packet one-way delay: 36.851 ms
Loss rate: 5.34%
-- Flow 1:
Average throughput: 52.63 Mbit/s
95th percentile per-packet one-way delay: 33.009 ms
Loss rate: 4.17%
-- Flow 2:
Average throughput: 36.12 Mbit/s
95th percentile per-packet one-way delay: 38.026 ms
Loss rate: 7.16%
-- Flow 3:
Average throughput: 27.85 Mbit/s
95th percentile per-packet one-way delay: 42.145 ms
Loss rate: 7.14%

Run 7: Report of FillP-Sheep — Data Link

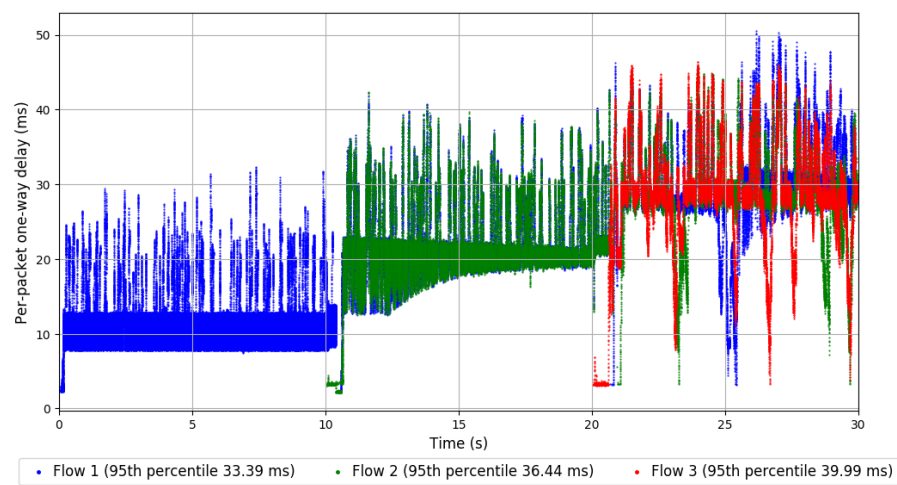
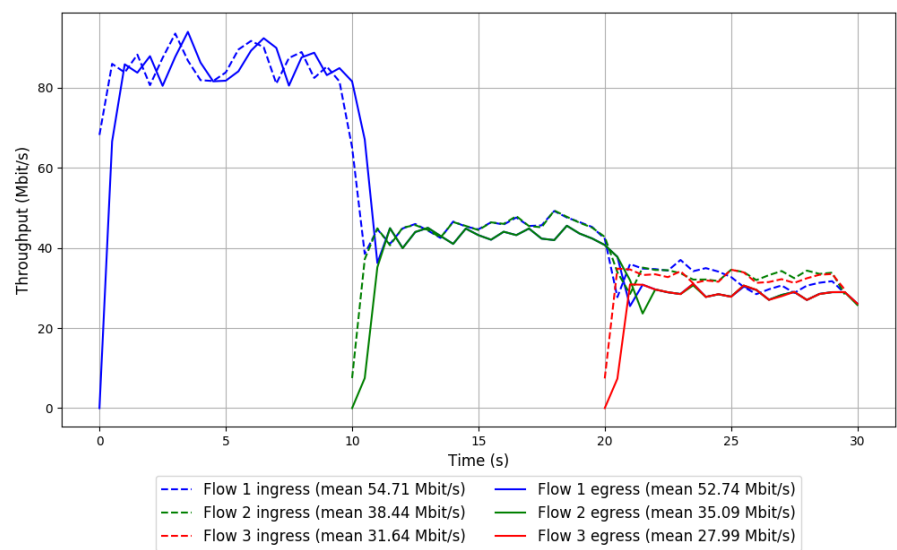


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-10 22:29:50
End at: 2018-07-10 22:30:20
Local clock offset: -1.077 ms
Remote clock offset: -14.251 ms

Below is generated by plot.py at 2018-07-10 23:39:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.34 Mbit/s
95th percentile per-packet one-way delay: 35.881 ms
Loss rate: 6.02%
-- Flow 1:
Average throughput: 52.74 Mbit/s
95th percentile per-packet one-way delay: 33.387 ms
Loss rate: 3.61%
-- Flow 2:
Average throughput: 35.09 Mbit/s
95th percentile per-packet one-way delay: 36.440 ms
Loss rate: 8.83%
-- Flow 3:
Average throughput: 27.99 Mbit/s
95th percentile per-packet one-way delay: 39.991 ms
Loss rate: 11.73%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-10 22:48:55

End at: 2018-07-10 22:49:25

Local clock offset: -1.128 ms

Remote clock offset: -1.76 ms

Below is generated by plot.py at 2018-07-10 23:39:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.11 Mbit/s

95th percentile per-packet one-way delay: 30.583 ms

Loss rate: 2.38%

-- Flow 1:

Average throughput: 59.31 Mbit/s

95th percentile per-packet one-way delay: 29.825 ms

Loss rate: 1.76%

-- Flow 2:

Average throughput: 39.15 Mbit/s

95th percentile per-packet one-way delay: 30.681 ms

Loss rate: 3.50%

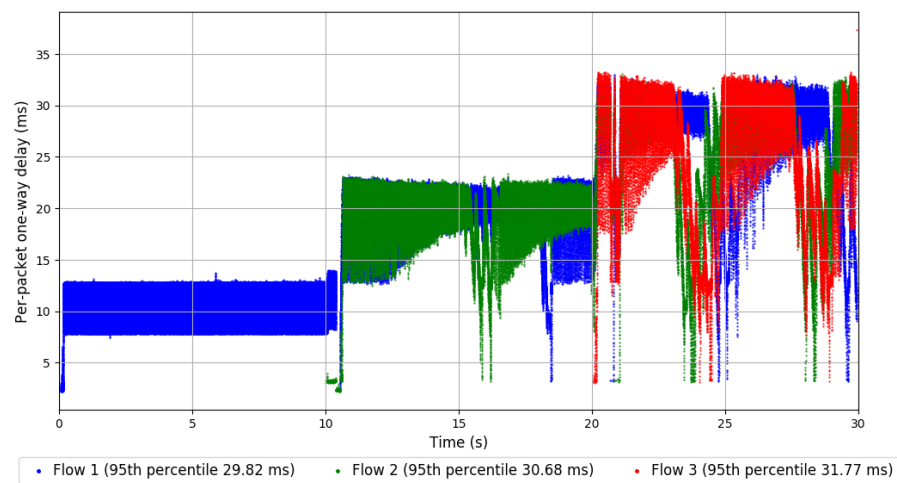
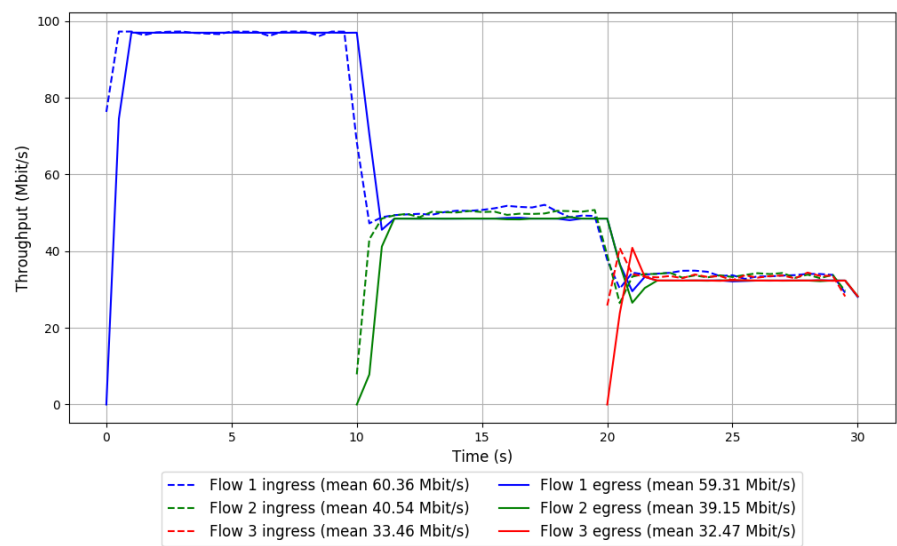
-- Flow 3:

Average throughput: 32.47 Mbit/s

95th percentile per-packet one-way delay: 31.768 ms

Loss rate: 3.01%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-10 23:08:05

End at: 2018-07-10 23:08:35

Local clock offset: -1.05 ms

Remote clock offset: 0.609 ms

Below is generated by plot.py at 2018-07-10 23:39:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.35 Mbit/s

95th percentile per-packet one-way delay: 31.073 ms

Loss rate: 4.00%

-- Flow 1:

Average throughput: 57.06 Mbit/s

95th percentile per-packet one-way delay: 29.844 ms

Loss rate: 2.71%

-- Flow 2:

Average throughput: 37.90 Mbit/s

95th percentile per-packet one-way delay: 31.453 ms

Loss rate: 6.46%

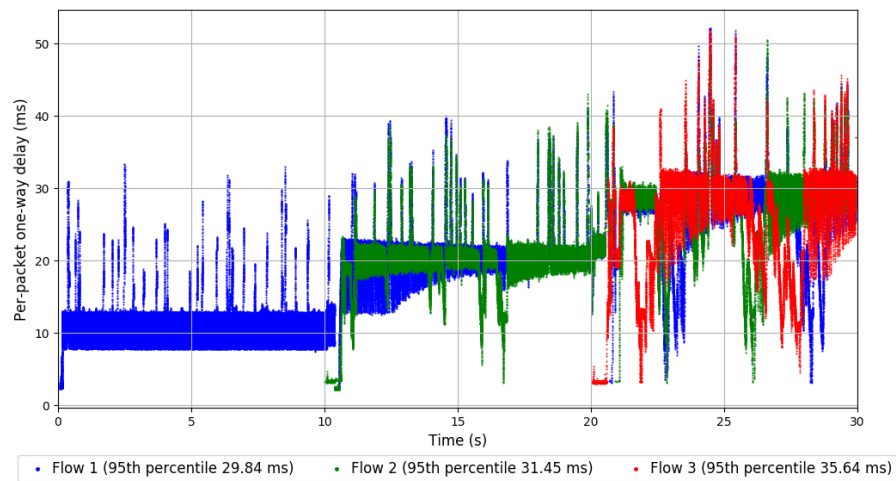
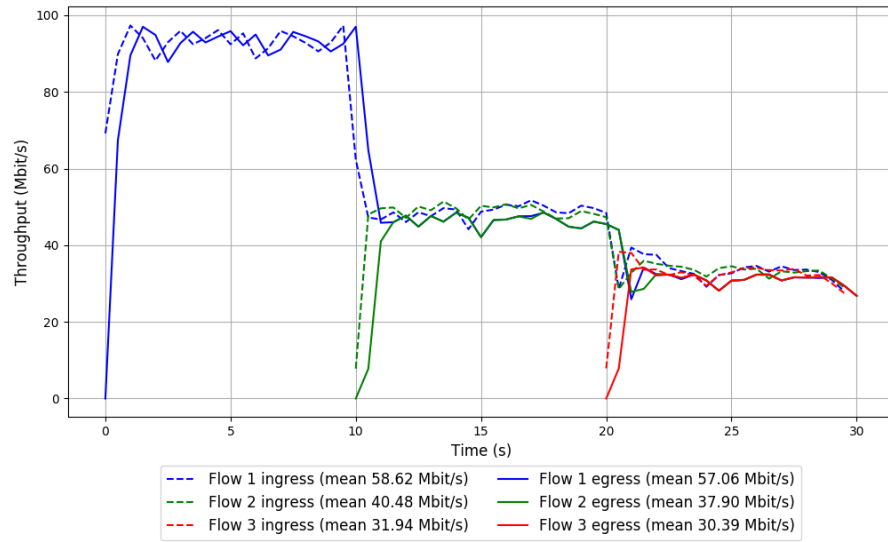
-- Flow 3:

Average throughput: 30.39 Mbit/s

95th percentile per-packet one-way delay: 35.637 ms

Loss rate: 4.91%

Run 10: Report of FillP-Sheep — Data Link

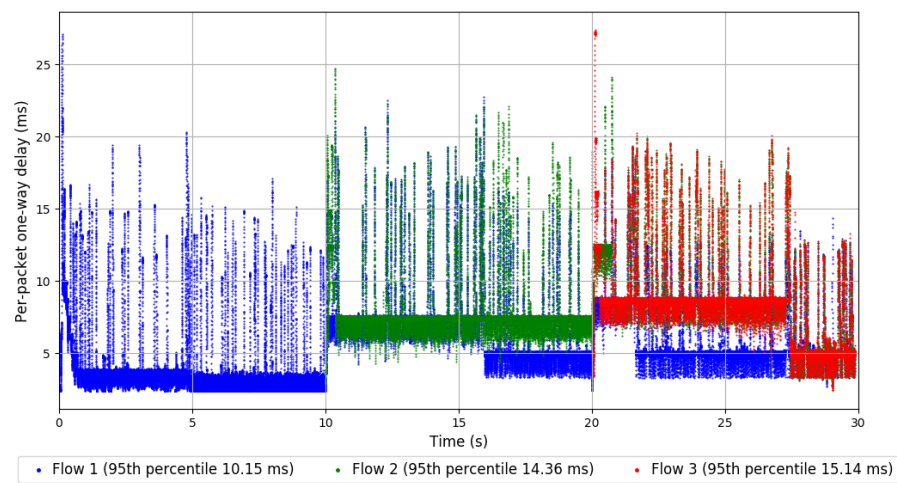
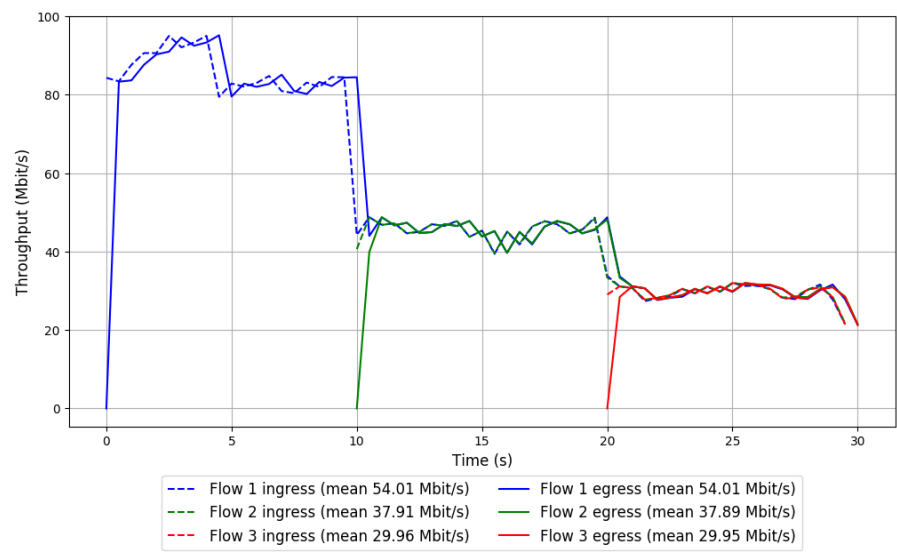


Run 1: Statistics of Indigo

Start at: 2018-07-10 20:31:46
End at: 2018-07-10 20:32:16
Local clock offset: -1.067 ms
Remote clock offset: -2.693 ms

Below is generated by plot.py at 2018-07-10 23:39:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.07 Mbit/s
95th percentile per-packet one-way delay: 12.368 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 54.01 Mbit/s
95th percentile per-packet one-way delay: 10.154 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 37.89 Mbit/s
95th percentile per-packet one-way delay: 14.358 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 15.142 ms
Loss rate: 0.09%

Run 1: Report of Indigo — Data Link

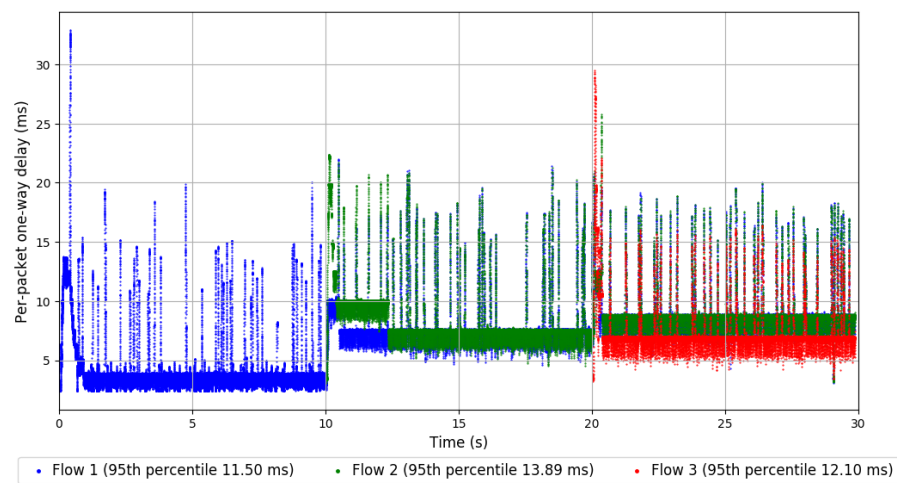
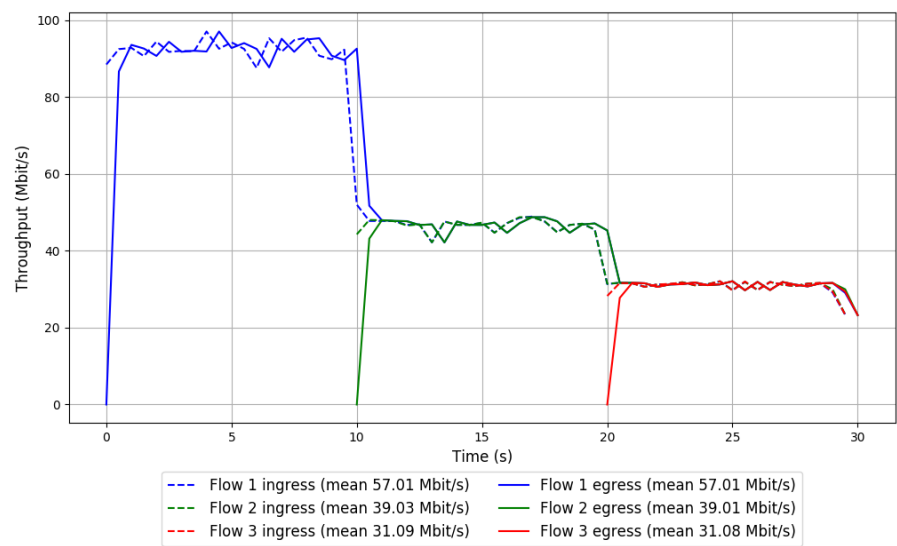


Run 2: Statistics of Indigo

Start at: 2018-07-10 20:50:55
End at: 2018-07-10 20:51:25
Local clock offset: -1.047 ms
Remote clock offset: -1.169 ms

Below is generated by plot.py at 2018-07-10 23:39:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 12.290 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 57.01 Mbit/s
95th percentile per-packet one-way delay: 11.500 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.01 Mbit/s
95th percentile per-packet one-way delay: 13.887 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 12.099 ms
Loss rate: 0.10%

Run 2: Report of Indigo — Data Link

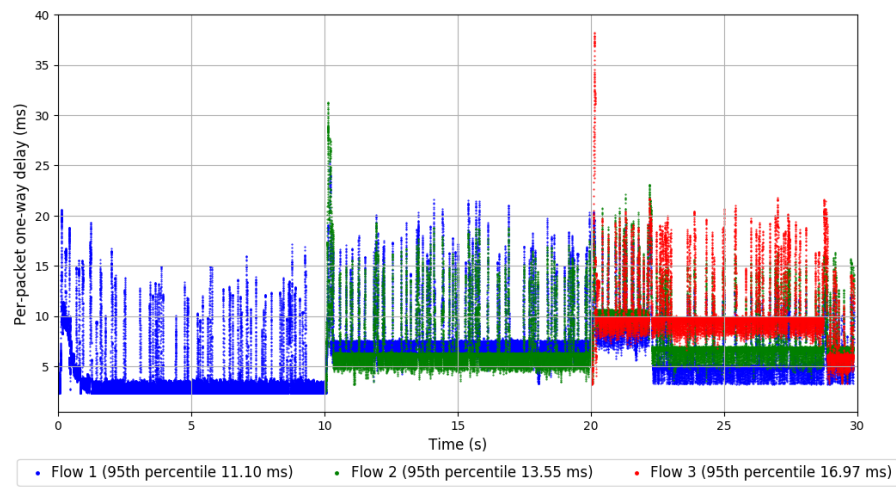
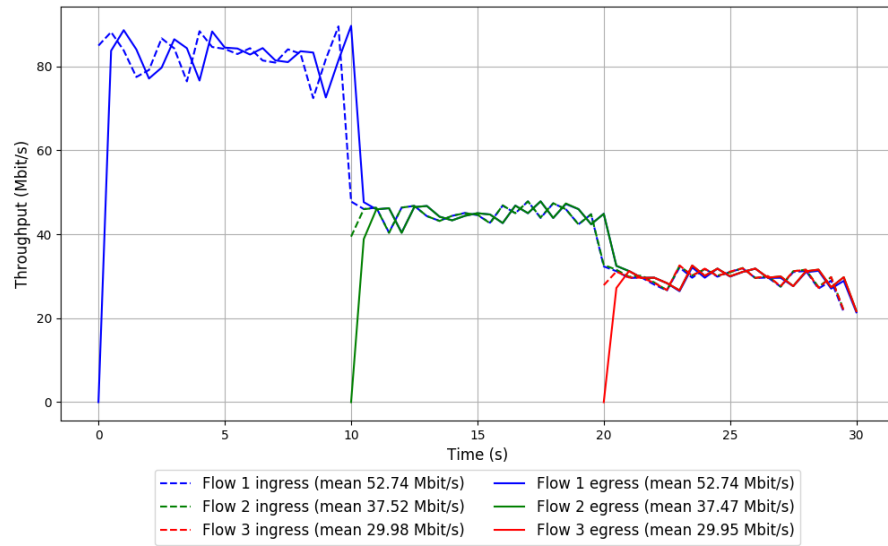


Run 3: Statistics of Indigo

Start at: 2018-07-10 21:10:03
End at: 2018-07-10 21:10:33
Local clock offset: -1.06 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-10 23:39:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.49 Mbit/s
95th percentile per-packet one-way delay: 12.999 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 52.74 Mbit/s
95th percentile per-packet one-way delay: 11.103 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 37.47 Mbit/s
95th percentile per-packet one-way delay: 13.546 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 16.971 ms
Loss rate: 0.16%

Run 3: Report of Indigo — Data Link

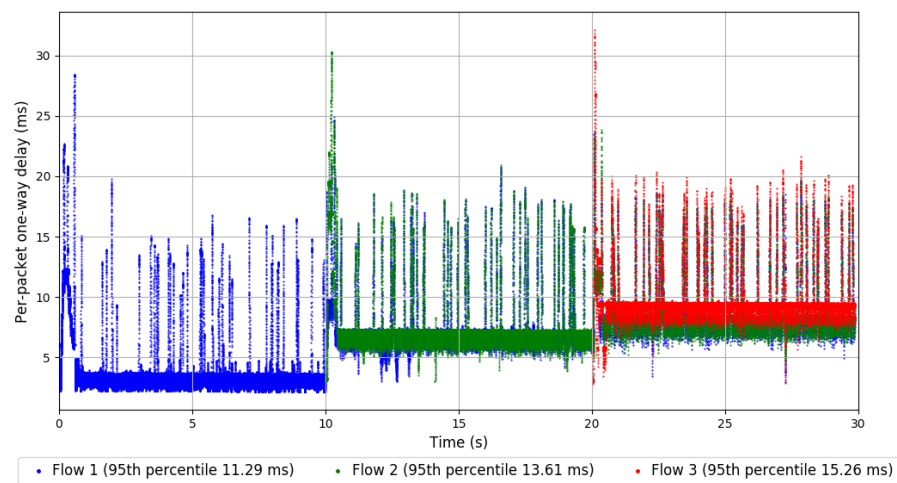
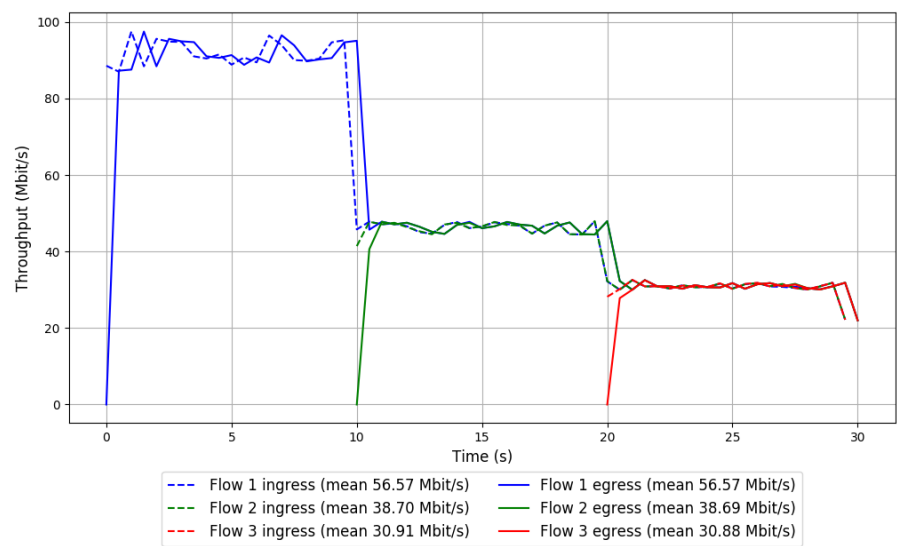


Run 4: Statistics of Indigo

Start at: 2018-07-10 21:29:13
End at: 2018-07-10 21:29:43
Local clock offset: -1.083 ms
Remote clock offset: -4.211 ms

Below is generated by plot.py at 2018-07-10 23:39:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: 12.196 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 56.57 Mbit/s
95th percentile per-packet one-way delay: 11.285 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 38.69 Mbit/s
95th percentile per-packet one-way delay: 13.609 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 30.88 Mbit/s
95th percentile per-packet one-way delay: 15.255 ms
Loss rate: 0.18%

Run 4: Report of Indigo — Data Link

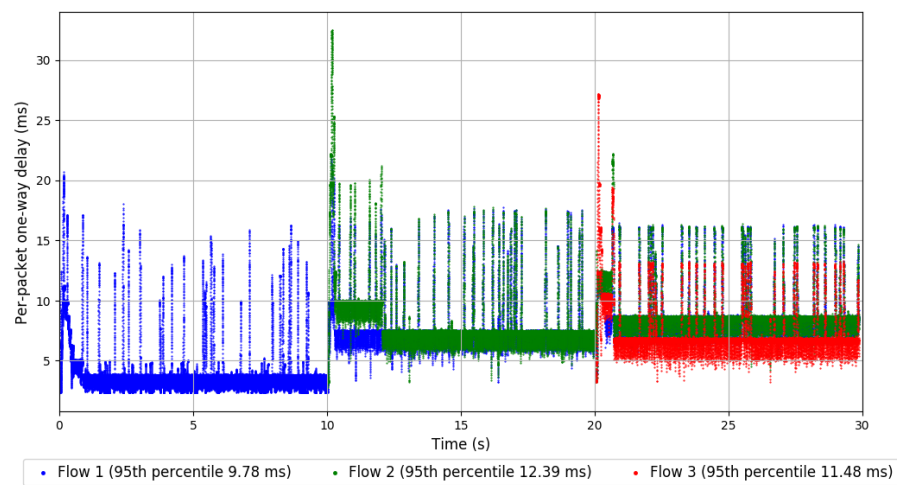
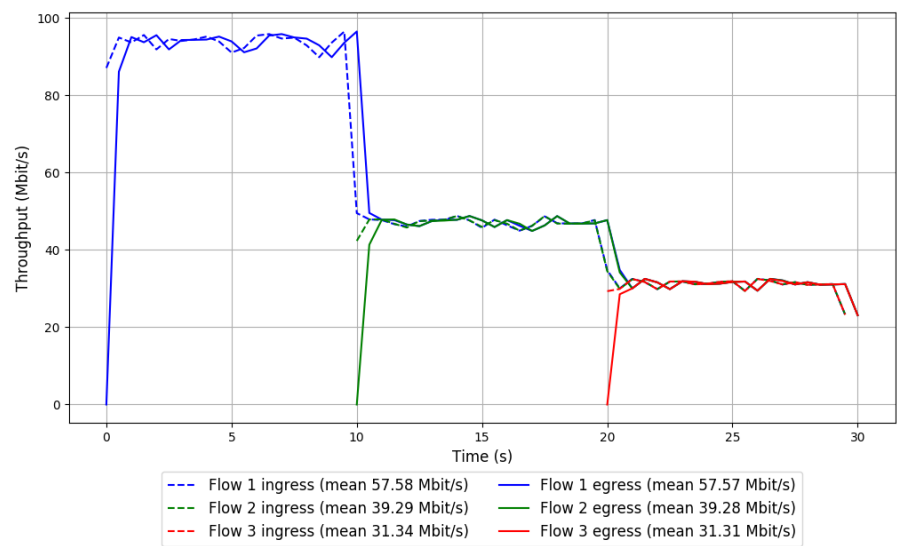


Run 5: Statistics of Indigo

Start at: 2018-07-10 21:48:21
End at: 2018-07-10 21:48:51
Local clock offset: -1.179 ms
Remote clock offset: -9.813 ms

Below is generated by plot.py at 2018-07-10 23:40:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 11.211 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 57.57 Mbit/s
95th percentile per-packet one-way delay: 9.784 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.28 Mbit/s
95th percentile per-packet one-way delay: 12.391 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 31.31 Mbit/s
95th percentile per-packet one-way delay: 11.479 ms
Loss rate: 0.12%

Run 5: Report of Indigo — Data Link

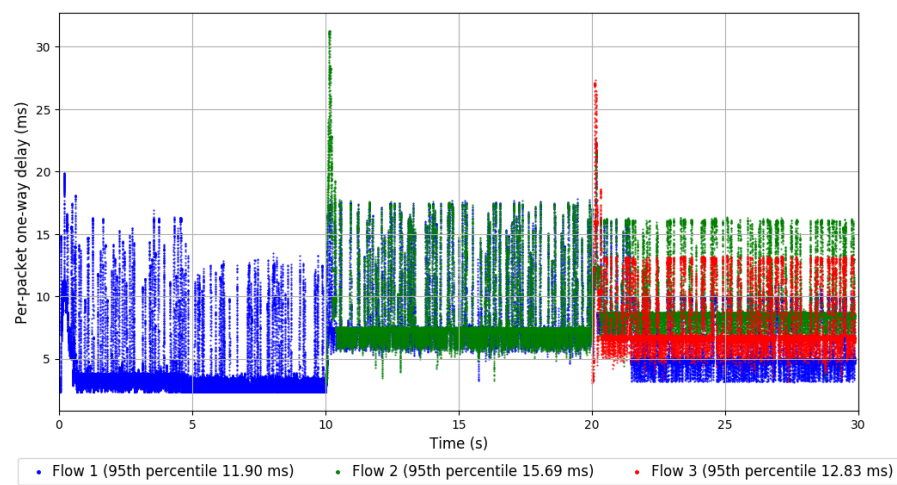
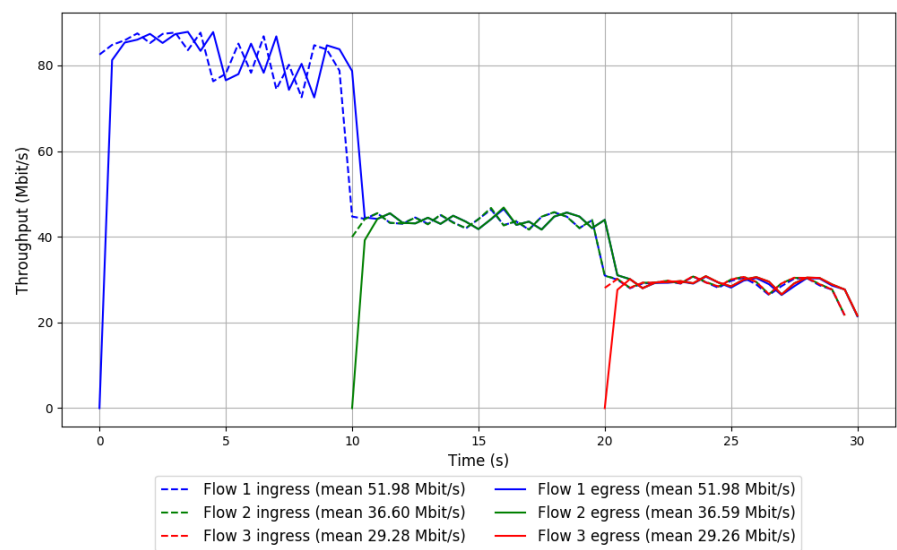


Run 6: Statistics of Indigo

Start at: 2018-07-10 22:07:26
End at: 2018-07-10 22:07:56
Local clock offset: -1.095 ms
Remote clock offset: -12.012 ms

Below is generated by plot.py at 2018-07-10 23:40:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.95 Mbit/s
95th percentile per-packet one-way delay: 13.567 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 51.98 Mbit/s
95th percentile per-packet one-way delay: 11.904 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 36.59 Mbit/s
95th percentile per-packet one-way delay: 15.685 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 29.26 Mbit/s
95th percentile per-packet one-way delay: 12.827 ms
Loss rate: 0.11%

Run 6: Report of Indigo — Data Link

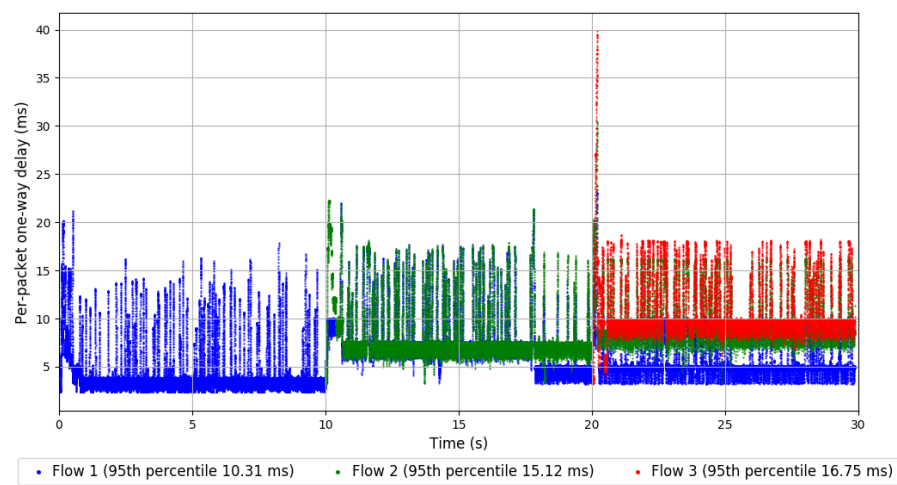
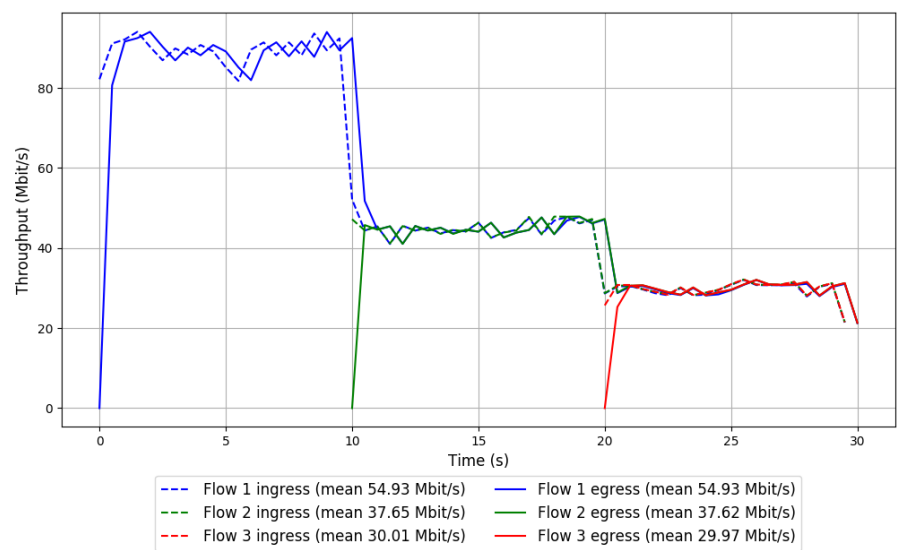


Run 7: Statistics of Indigo

Start at: 2018-07-10 22:26:31
End at: 2018-07-10 22:27:01
Local clock offset: -1.073 ms
Remote clock offset: -13.964 ms

Below is generated by plot.py at 2018-07-10 23:40:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.79 Mbit/s
95th percentile per-packet one-way delay: 13.491 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 54.93 Mbit/s
95th percentile per-packet one-way delay: 10.314 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 37.62 Mbit/s
95th percentile per-packet one-way delay: 15.118 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 29.97 Mbit/s
95th percentile per-packet one-way delay: 16.746 ms
Loss rate: 0.17%

Run 7: Report of Indigo — Data Link

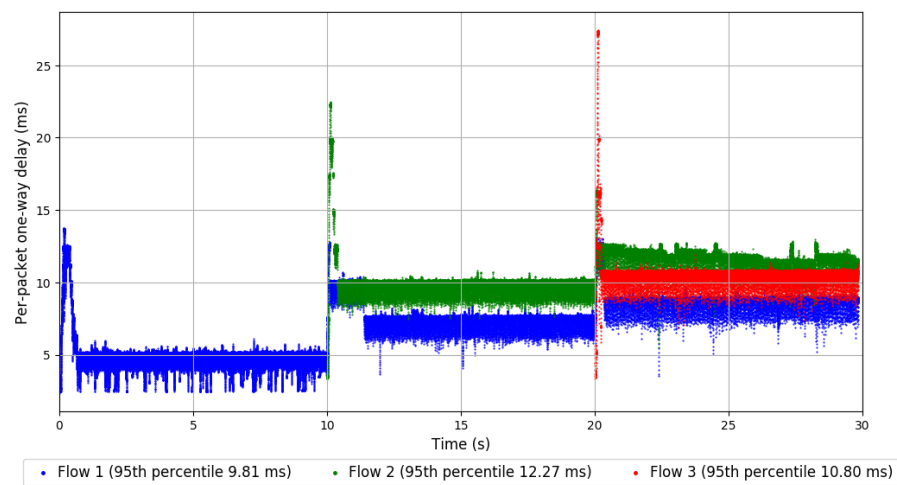
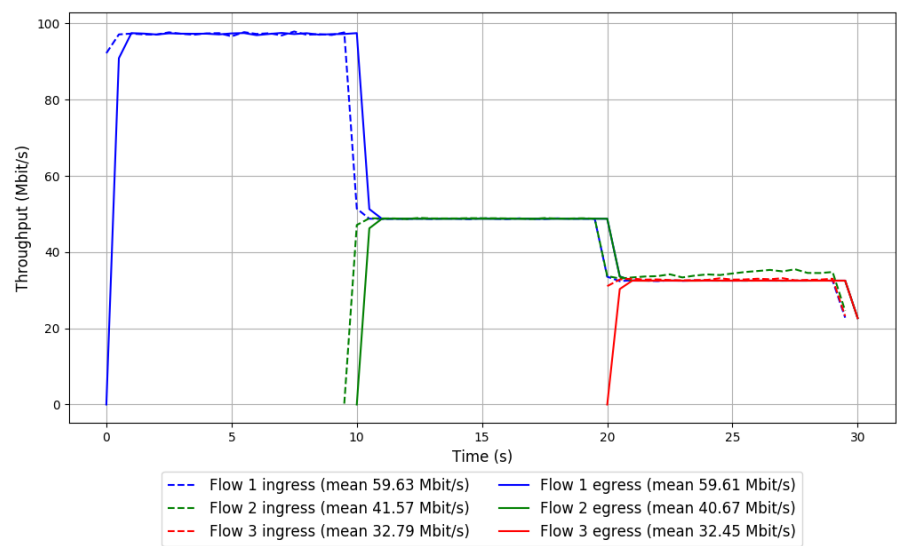


Run 8: Statistics of Indigo

Start at: 2018-07-10 22:45:36
End at: 2018-07-10 22:46:06
Local clock offset: -1.06 ms
Remote clock offset: -2.921 ms

```
# Below is generated by plot.py at 2018-07-10 23:40:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 11.847 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: 9.811 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 40.67 Mbit/s
95th percentile per-packet one-way delay: 12.272 ms
Loss rate: 2.21%
-- Flow 3:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 10.801 ms
Loss rate: 1.11%
```

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-10 23:04:46

End at: 2018-07-10 23:05:16

Local clock offset: -1.056 ms

Remote clock offset: 1.347 ms

Below is generated by plot.py at 2018-07-10 23:40:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.28 Mbit/s

95th percentile per-packet one-way delay: 10.782 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 58.35 Mbit/s

95th percentile per-packet one-way delay: 9.864 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 39.85 Mbit/s

95th percentile per-packet one-way delay: 12.285 ms

Loss rate: 0.08%

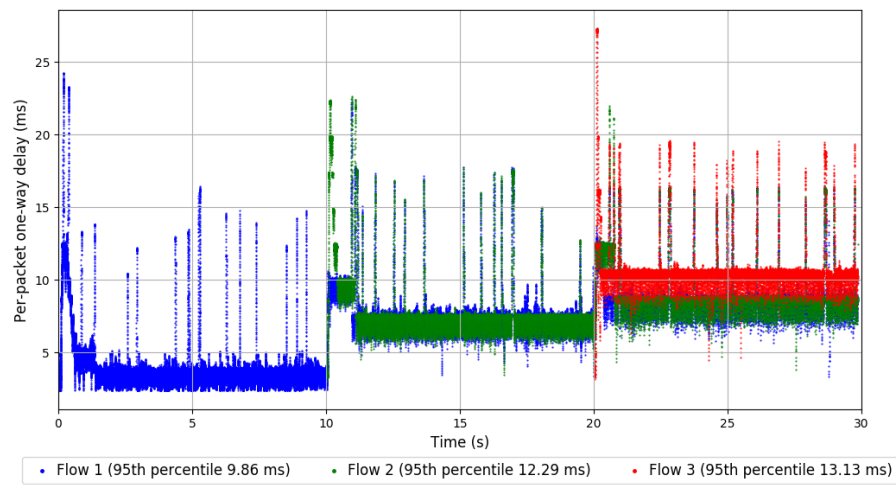
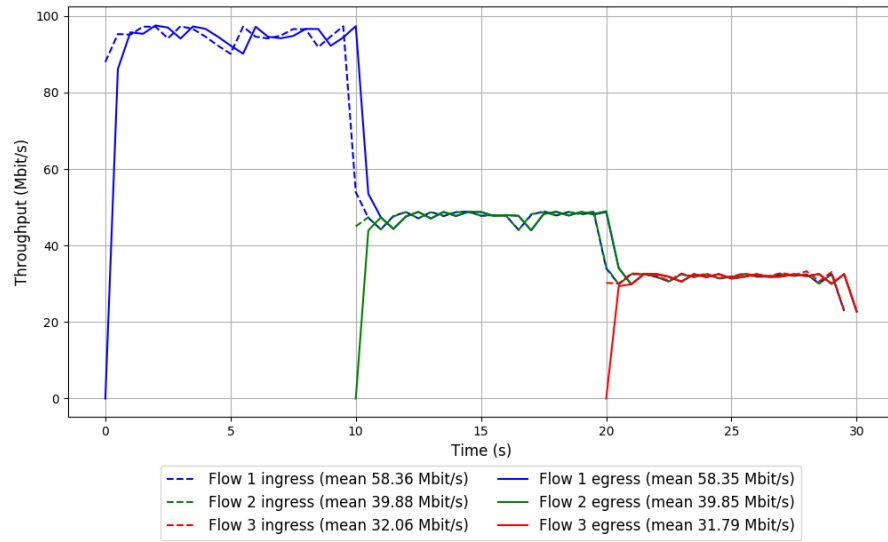
-- Flow 3:

Average throughput: 31.79 Mbit/s

95th percentile per-packet one-way delay: 13.133 ms

Loss rate: 0.89%

Run 9: Report of Indigo — Data Link

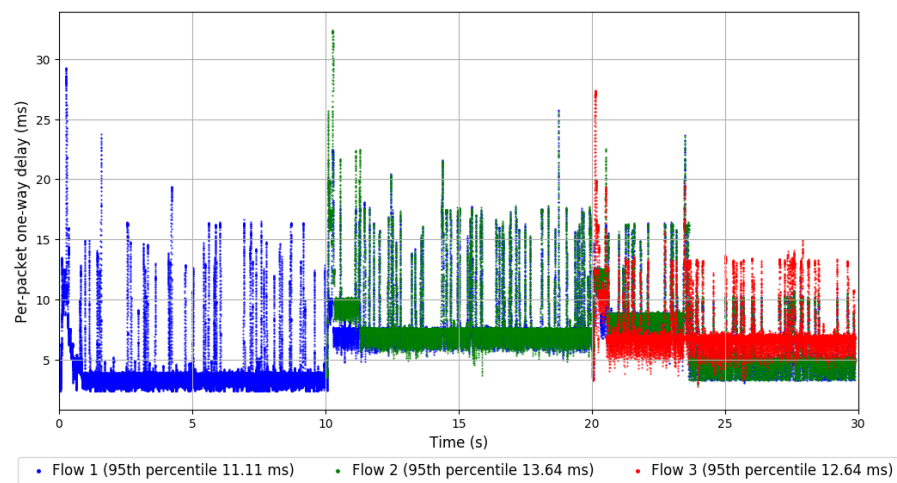
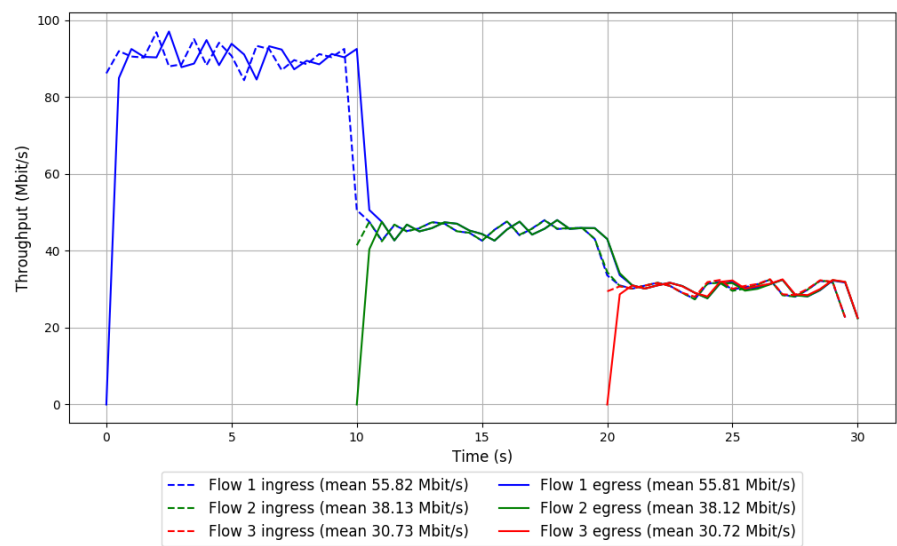


Run 10: Statistics of Indigo

Start at: 2018-07-10 23:23:55
End at: 2018-07-10 23:24:25
Local clock offset: -0.989 ms
Remote clock offset: -0.689 ms

Below is generated by plot.py at 2018-07-10 23:40:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.25 Mbit/s
95th percentile per-packet one-way delay: 12.226 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 55.81 Mbit/s
95th percentile per-packet one-way delay: 11.105 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 38.12 Mbit/s
95th percentile per-packet one-way delay: 13.645 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 12.639 ms
Loss rate: 0.09%

Run 10: Report of Indigo — Data Link

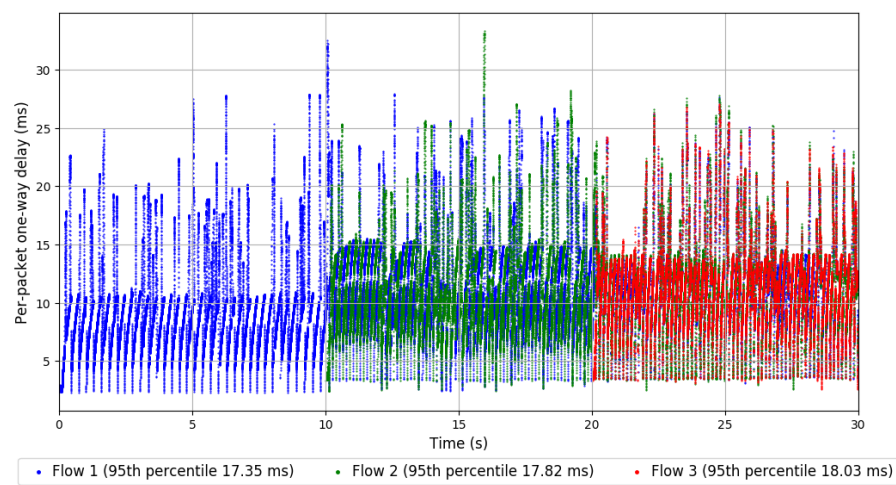
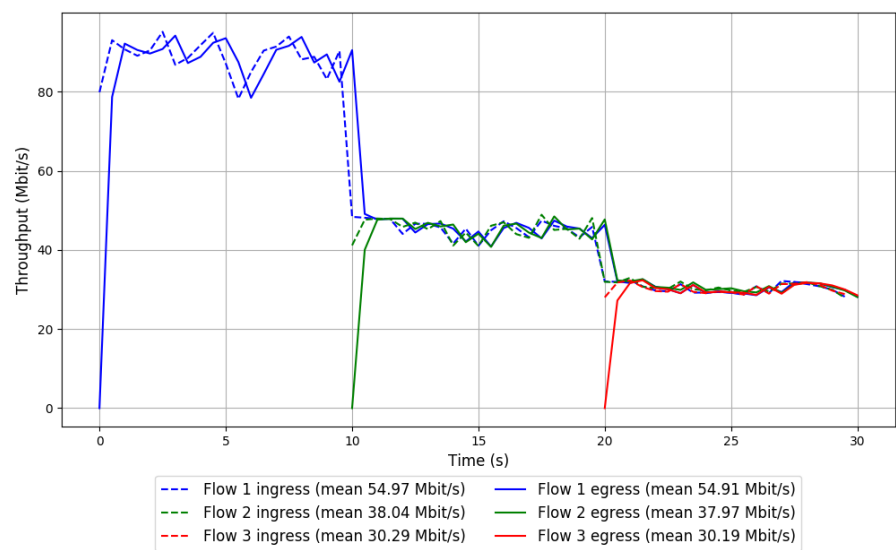


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-10 20:21:36
End at: 2018-07-10 20:22:06
Local clock offset: -1.055 ms
Remote clock offset: -4.734 ms

# Below is generated by plot.py at 2018-07-10 23:40:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.22 Mbit/s
95th percentile per-packet one-way delay: 17.574 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 54.91 Mbit/s
95th percentile per-packet one-way delay: 17.346 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 37.97 Mbit/s
95th percentile per-packet one-way delay: 17.825 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 30.19 Mbit/s
95th percentile per-packet one-way delay: 18.033 ms
Loss rate: 0.36%
```

Run 1: Report of LEDBAT — Data Link

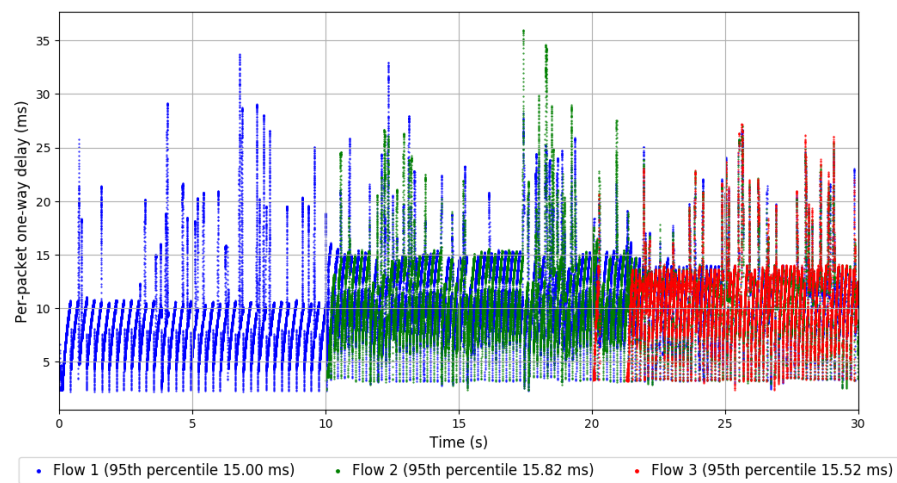
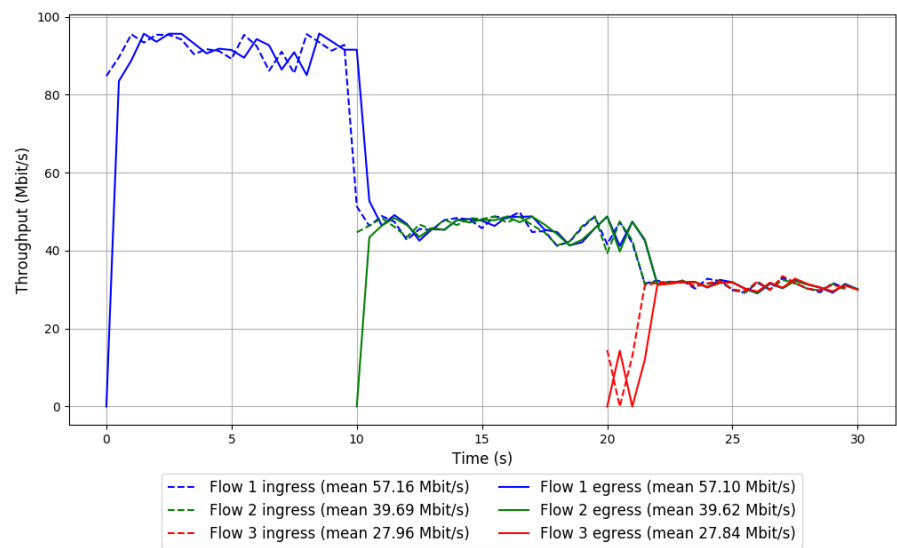


Run 2: Statistics of LEDBAT

Start at: 2018-07-10 20:40:44
End at: 2018-07-10 20:41:14
Local clock offset: -1.103 ms
Remote clock offset: -1.785 ms

Below is generated by plot.py at 2018-07-10 23:40:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 15.195 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.10 Mbit/s
95th percentile per-packet one-way delay: 15.004 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 15.818 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 27.84 Mbit/s
95th percentile per-packet one-way delay: 15.522 ms
Loss rate: 0.46%

Run 2: Report of LEDBAT — Data Link

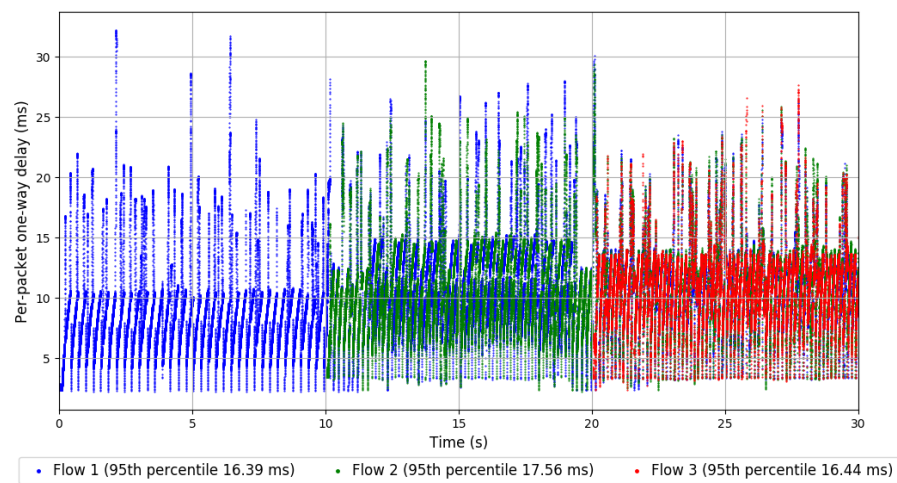
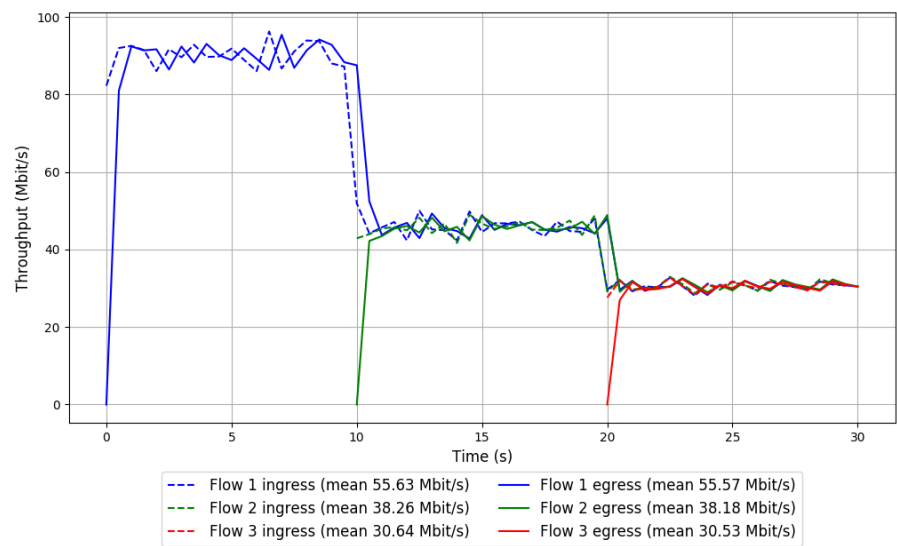


Run 3: Statistics of LEDBAT

Start at: 2018-07-10 20:59:53
End at: 2018-07-10 21:00:23
Local clock offset: -1.044 ms
Remote clock offset: -0.579 ms

Below is generated by plot.py at 2018-07-10 23:41:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.13 Mbit/s
95th percentile per-packet one-way delay: 16.732 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 55.57 Mbit/s
95th percentile per-packet one-way delay: 16.390 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.18 Mbit/s
95th percentile per-packet one-way delay: 17.557 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 30.53 Mbit/s
95th percentile per-packet one-way delay: 16.443 ms
Loss rate: 0.40%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-10 21:19:03

End at: 2018-07-10 21:19:33

Local clock offset: -1.059 ms

Remote clock offset: 0.537 ms

Below is generated by plot.py at 2018-07-10 23:41:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.71 Mbit/s

95th percentile per-packet one-way delay: 16.469 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 55.89 Mbit/s

95th percentile per-packet one-way delay: 15.747 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 38.42 Mbit/s

95th percentile per-packet one-way delay: 17.313 ms

Loss rate: 0.22%

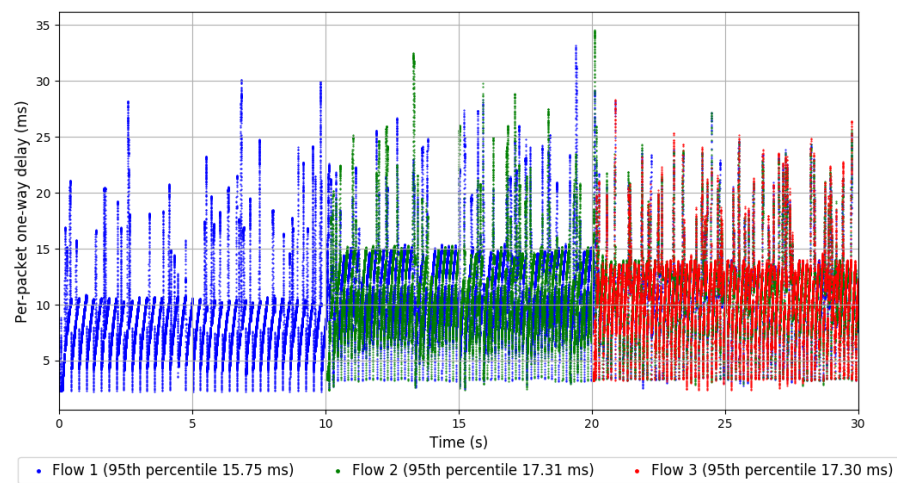
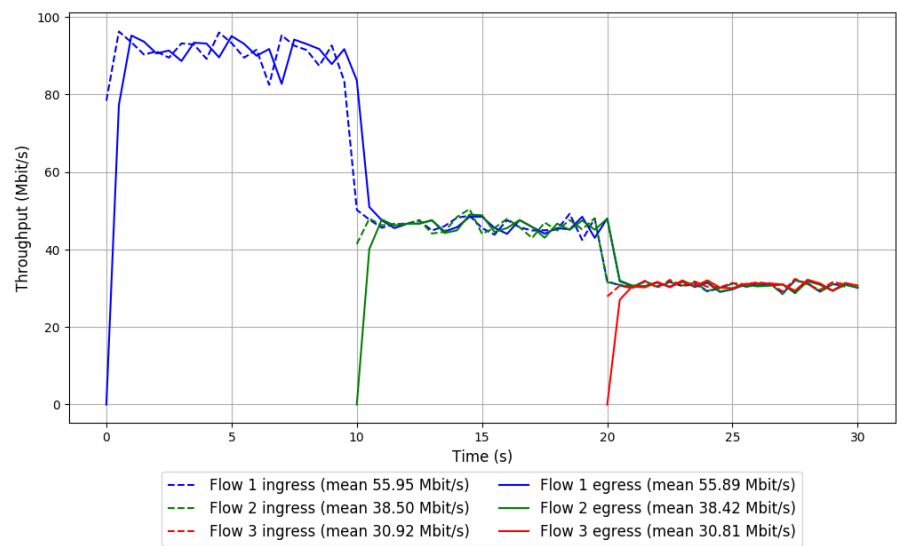
-- Flow 3:

Average throughput: 30.81 Mbit/s

95th percentile per-packet one-way delay: 17.303 ms

Loss rate: 0.40%

Run 4: Report of LEDBAT — Data Link

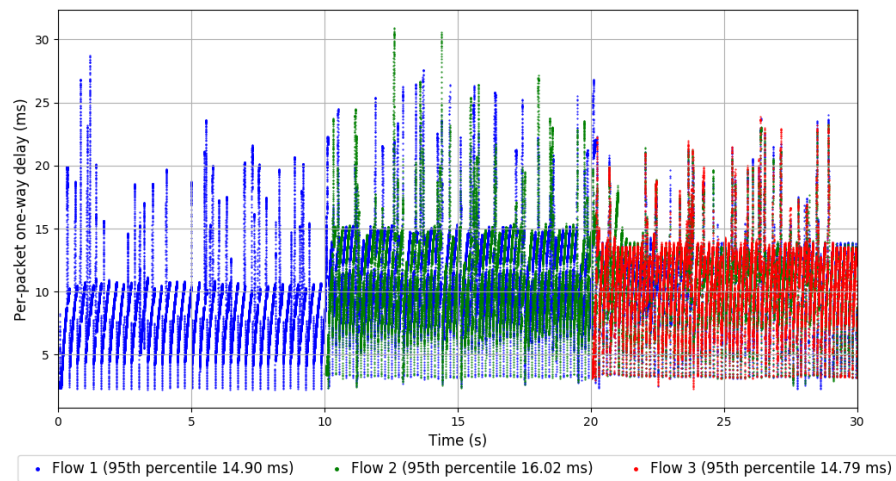
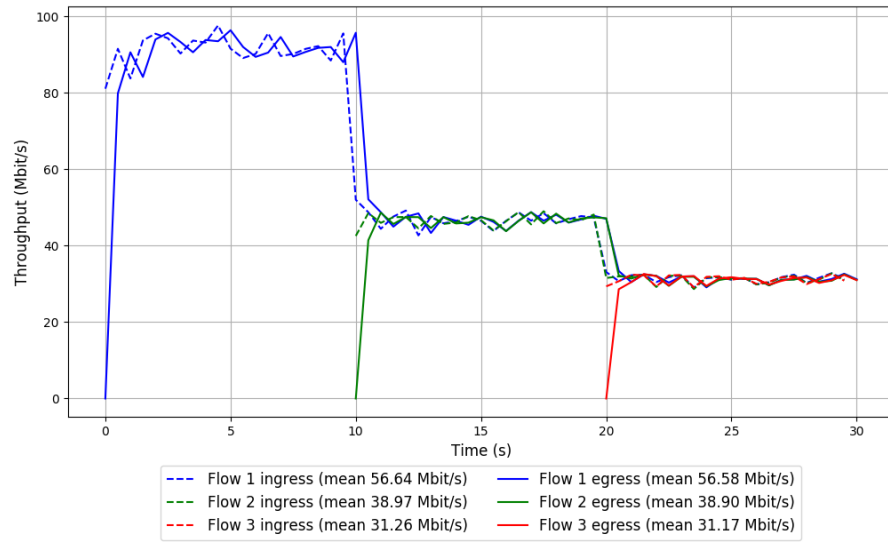


Run 5: Statistics of LEDBAT

Start at: 2018-07-10 21:38:10
End at: 2018-07-10 21:38:40
Local clock offset: -1.113 ms
Remote clock offset: -7.777 ms

Below is generated by plot.py at 2018-07-10 23:41:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.84 Mbit/s
95th percentile per-packet one-way delay: 15.124 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 56.58 Mbit/s
95th percentile per-packet one-way delay: 14.900 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.90 Mbit/s
95th percentile per-packet one-way delay: 16.017 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.17 Mbit/s
95th percentile per-packet one-way delay: 14.794 ms
Loss rate: 0.36%

Run 5: Report of LEDBAT — Data Link

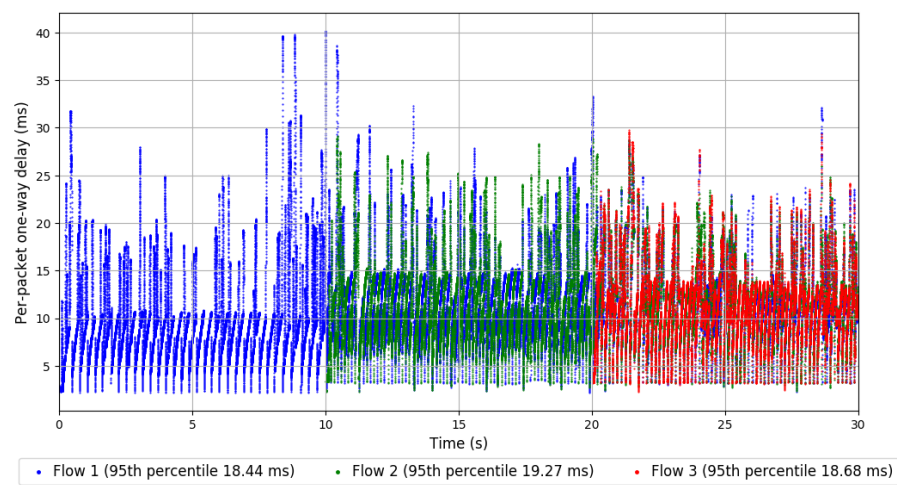
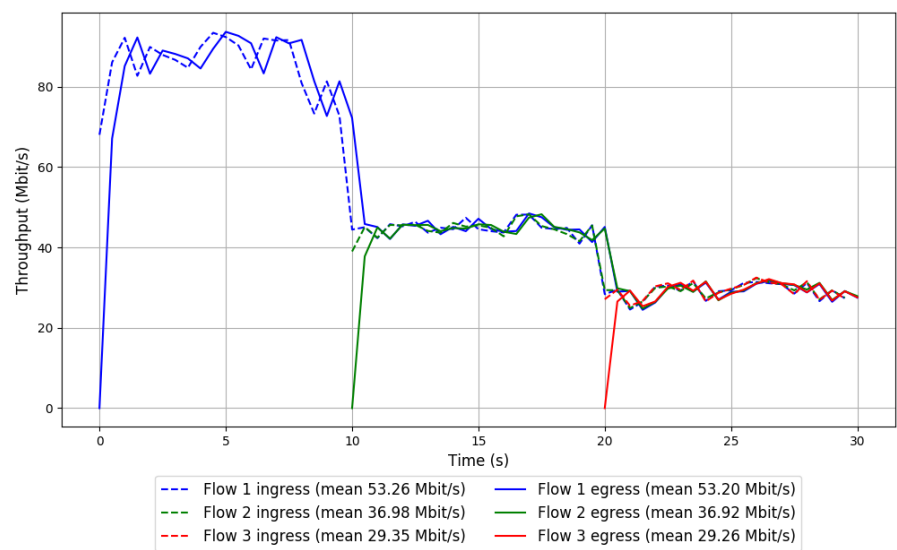


Run 6: Statistics of LEDBAT

Start at: 2018-07-10 21:57:17
End at: 2018-07-10 21:57:47
Local clock offset: -1.116 ms
Remote clock offset: -10.862 ms

Below is generated by plot.py at 2018-07-10 23:41:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.51 Mbit/s
95th percentile per-packet one-way delay: 18.733 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 53.20 Mbit/s
95th percentile per-packet one-way delay: 18.442 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.92 Mbit/s
95th percentile per-packet one-way delay: 19.269 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 29.26 Mbit/s
95th percentile per-packet one-way delay: 18.676 ms
Loss rate: 0.33%

Run 6: Report of LEDBAT — Data Link

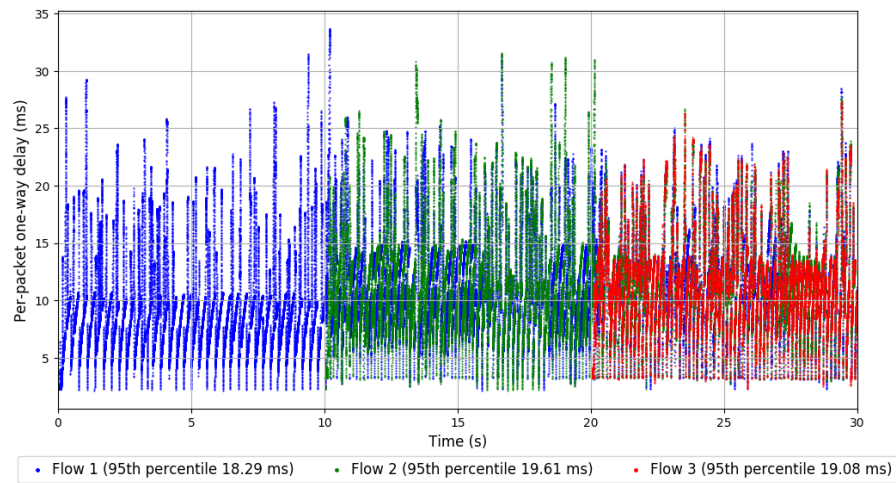
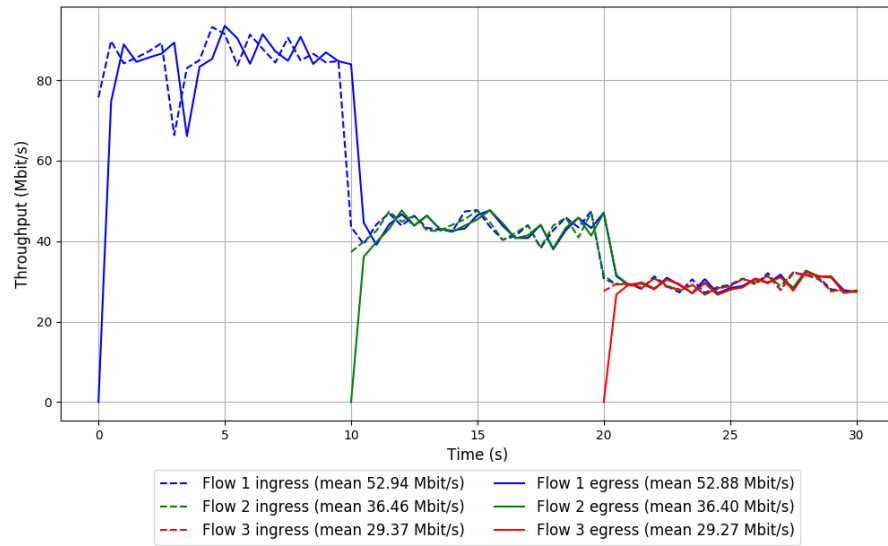


Run 7: Statistics of LEDBAT

Start at: 2018-07-10 22:16:22
End at: 2018-07-10 22:16:52
Local clock offset: -1.147 ms
Remote clock offset: -12.958 ms

Below is generated by plot.py at 2018-07-10 23:41:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.83 Mbit/s
95th percentile per-packet one-way delay: 18.754 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 52.88 Mbit/s
95th percentile per-packet one-way delay: 18.287 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 36.40 Mbit/s
95th percentile per-packet one-way delay: 19.608 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 29.27 Mbit/s
95th percentile per-packet one-way delay: 19.082 ms
Loss rate: 0.40%

Run 7: Report of LEDBAT — Data Link

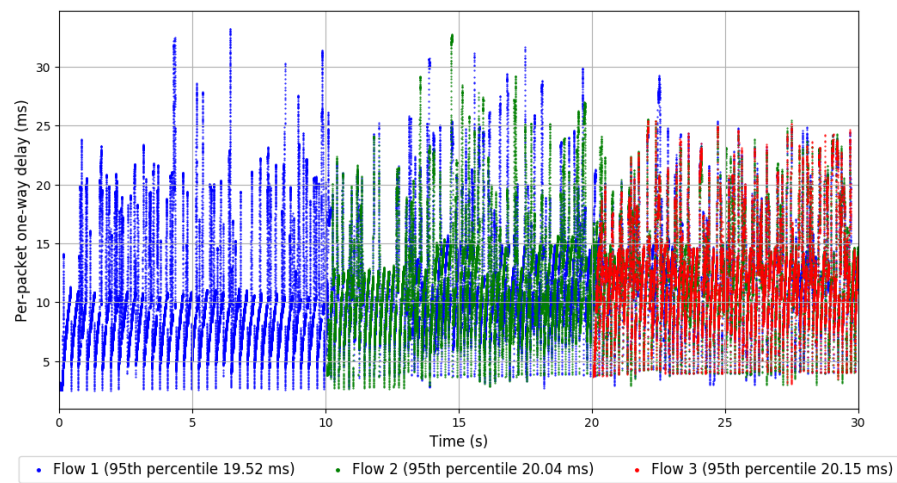
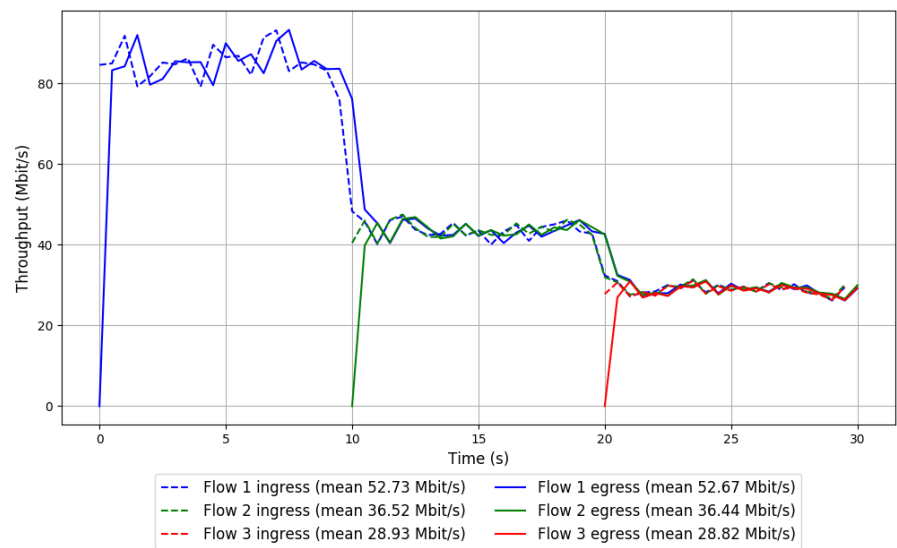


Run 8: Statistics of LEDBAT

Start at: 2018-07-10 22:35:26
End at: 2018-07-10 22:35:56
Local clock offset: -1.079 ms
Remote clock offset: -9.349 ms

Below is generated by plot.py at 2018-07-10 23:41:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.50 Mbit/s
95th percentile per-packet one-way delay: 19.727 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 52.67 Mbit/s
95th percentile per-packet one-way delay: 19.524 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 36.44 Mbit/s
95th percentile per-packet one-way delay: 20.036 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 28.82 Mbit/s
95th percentile per-packet one-way delay: 20.151 ms
Loss rate: 0.43%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-10 22:54:35

End at: 2018-07-10 22:55:05

Local clock offset: -1.11 ms

Remote clock offset: -0.4 ms

Below is generated by plot.py at 2018-07-10 23:41:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.83 Mbit/s

95th percentile per-packet one-way delay: 14.634 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 57.78 Mbit/s

95th percentile per-packet one-way delay: 14.466 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 39.78 Mbit/s

95th percentile per-packet one-way delay: 14.919 ms

Loss rate: 0.22%

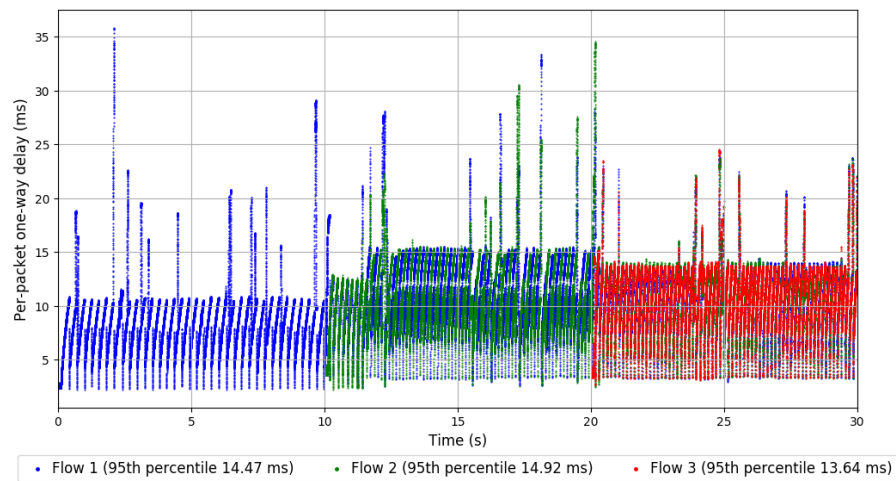
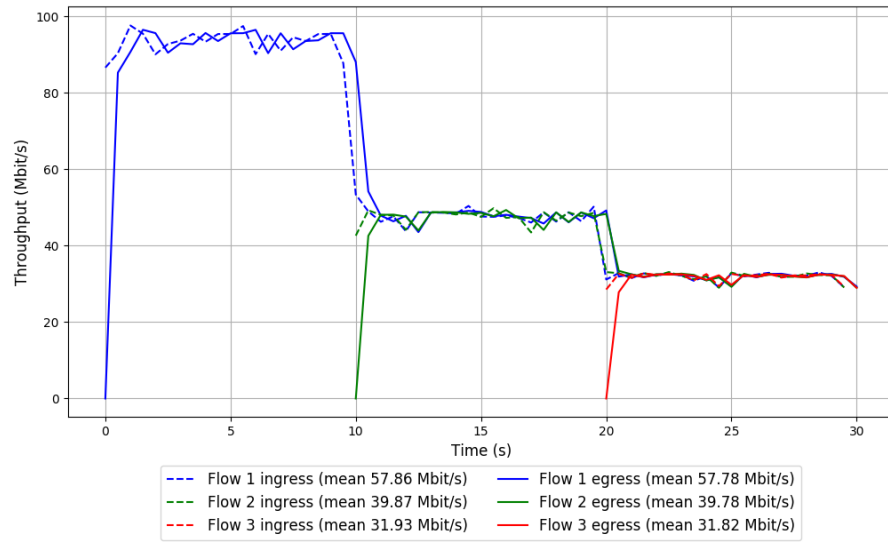
-- Flow 3:

Average throughput: 31.82 Mbit/s

95th percentile per-packet one-way delay: 13.641 ms

Loss rate: 0.41%

Run 9: Report of LEDBAT — Data Link

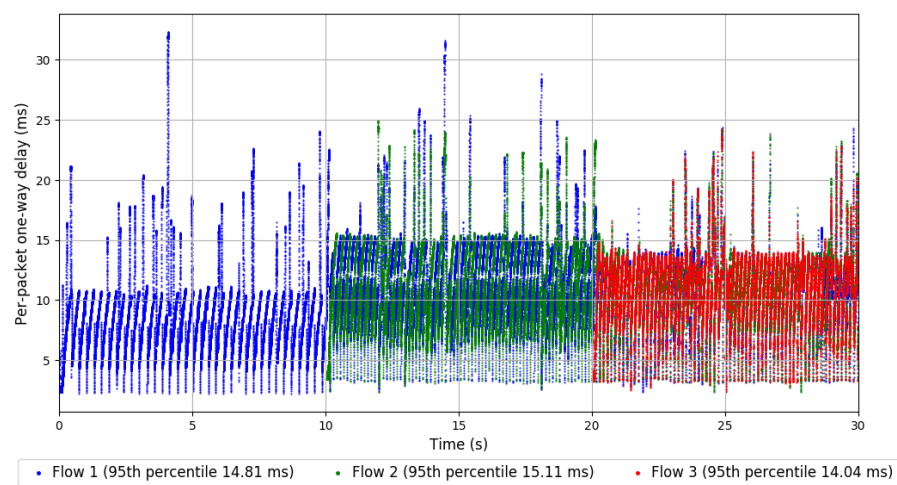
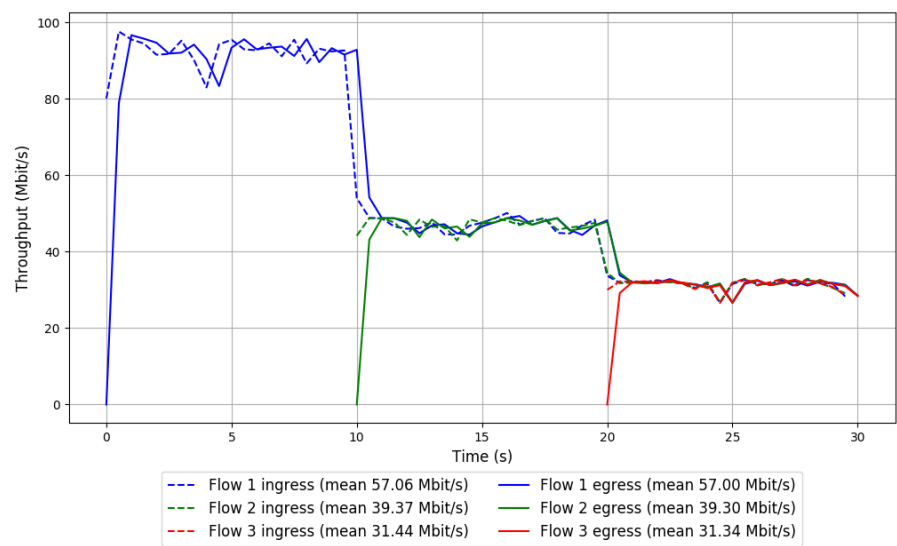


Run 10: Statistics of LEDBAT

Start at: 2018-07-10 23:13:45
End at: 2018-07-10 23:14:15
Local clock offset: -1.024 ms
Remote clock offset: -0.342 ms

Below is generated by plot.py at 2018-07-10 23:42:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.58 Mbit/s
95th percentile per-packet one-way delay: 14.929 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 57.00 Mbit/s
95th percentile per-packet one-way delay: 14.806 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 39.30 Mbit/s
95th percentile per-packet one-way delay: 15.114 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 31.34 Mbit/s
95th percentile per-packet one-way delay: 14.039 ms
Loss rate: 0.35%

Run 10: Report of LEDBAT — Data Link

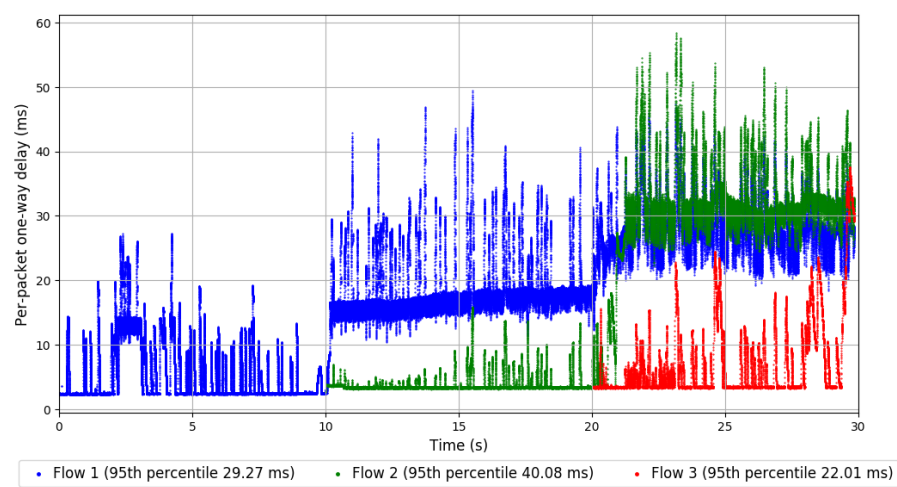
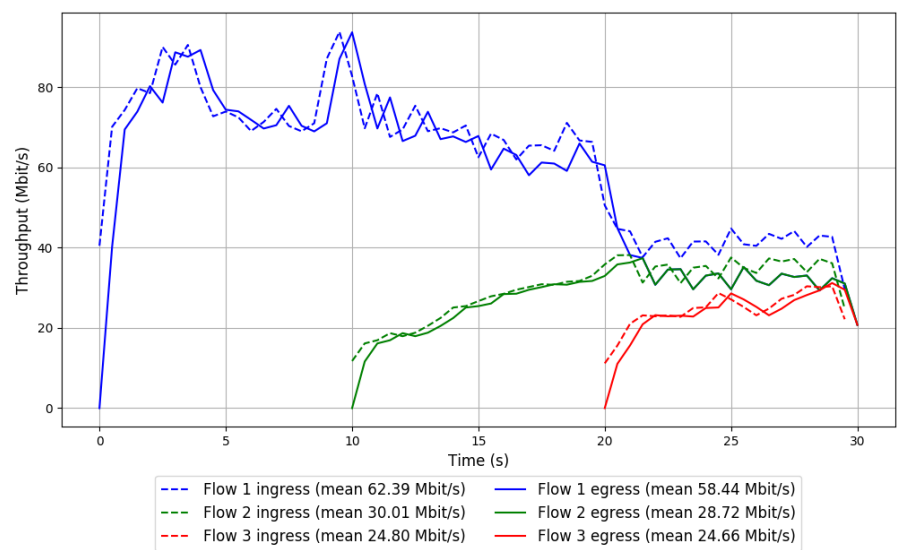


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-10 20:20:30
End at: 2018-07-10 20:21:00
Local clock offset: -1.065 ms
Remote clock offset: -5.097 ms

# Below is generated by plot.py at 2018-07-10 23:42:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.65 Mbit/s
95th percentile per-packet one-way delay: 32.917 ms
Loss rate: 5.42%
-- Flow 1:
Average throughput: 58.44 Mbit/s
95th percentile per-packet one-way delay: 29.269 ms
Loss rate: 6.39%
-- Flow 2:
Average throughput: 28.72 Mbit/s
95th percentile per-packet one-way delay: 40.076 ms
Loss rate: 4.38%
-- Flow 3:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 22.007 ms
Loss rate: 0.60%
```

Run 1: Report of PCC-Allegro — Data Link

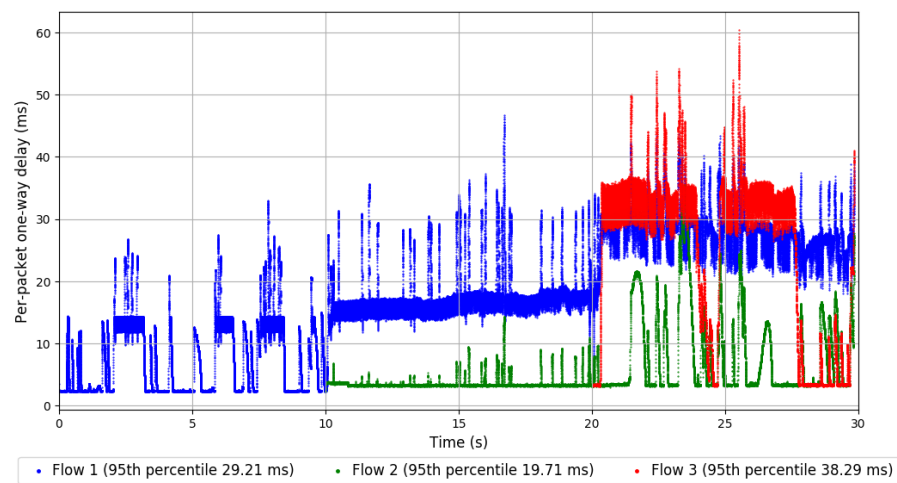
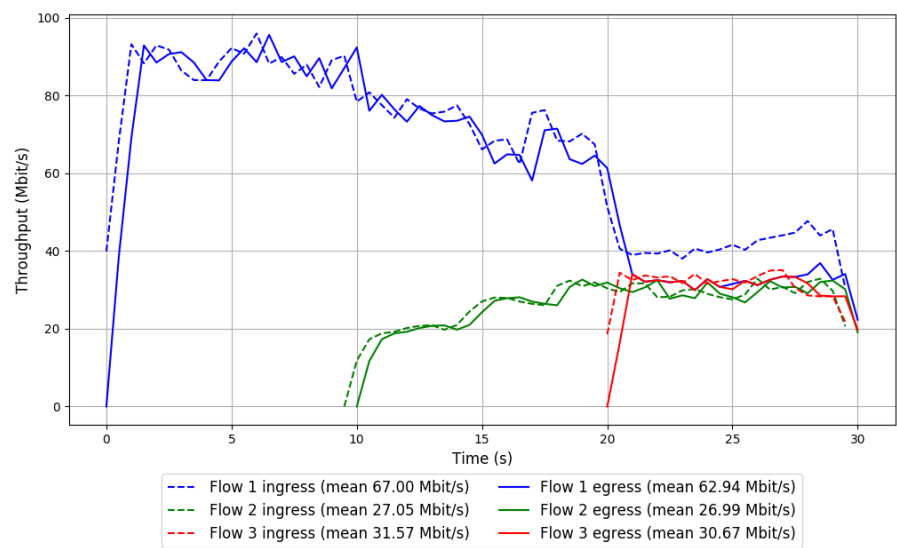


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-10 20:39:38
End at: 2018-07-10 20:40:08
Local clock offset: -1.063 ms
Remote clock offset: -1.881 ms

Below is generated by plot.py at 2018-07-10 23:42:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.98 Mbit/s
95th percentile per-packet one-way delay: 32.822 ms
Loss rate: 4.66%
-- Flow 1:
Average throughput: 62.94 Mbit/s
95th percentile per-packet one-way delay: 29.212 ms
Loss rate: 6.10%
-- Flow 2:
Average throughput: 26.99 Mbit/s
95th percentile per-packet one-way delay: 19.710 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 30.67 Mbit/s
95th percentile per-packet one-way delay: 38.289 ms
Loss rate: 3.04%

Run 2: Report of PCC-Allegro — Data Link

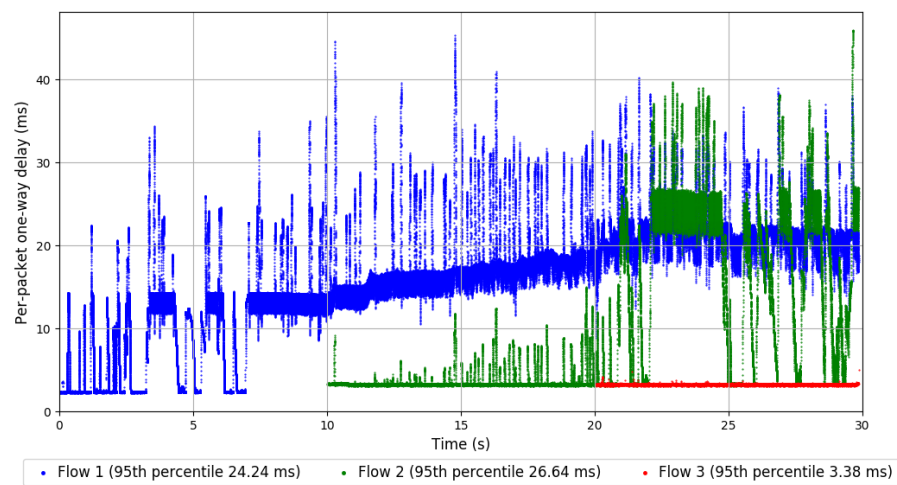
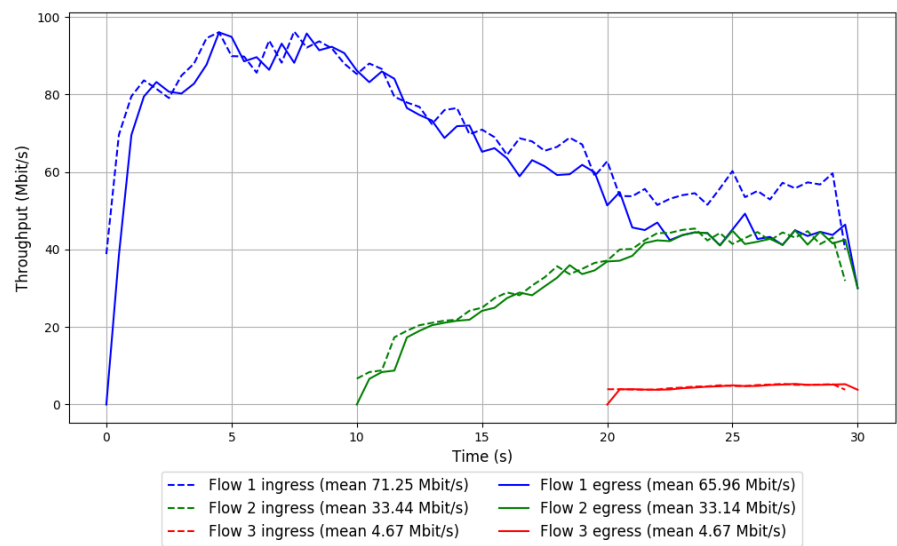


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-10 20:58:47
End at: 2018-07-10 20:59:17
Local clock offset: -1.039 ms
Remote clock offset: -0.631 ms

Below is generated by plot.py at 2018-07-10 23:42:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.52 Mbit/s
95th percentile per-packet one-way delay: 25.866 ms
Loss rate: 5.83%
-- Flow 1:
Average throughput: 65.96 Mbit/s
95th percentile per-packet one-way delay: 24.239 ms
Loss rate: 7.46%
-- Flow 2:
Average throughput: 33.14 Mbit/s
95th percentile per-packet one-way delay: 26.641 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 4.67 Mbit/s
95th percentile per-packet one-way delay: 3.380 ms
Loss rate: 0.05%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-10 21:17:56

End at: 2018-07-10 21:18:26

Local clock offset: -1.113 ms

Remote clock offset: 0.454 ms

Below is generated by plot.py at 2018-07-10 23:42:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.92 Mbit/s

95th percentile per-packet one-way delay: 32.004 ms

Loss rate: 6.54%

-- Flow 1:

Average throughput: 58.64 Mbit/s

95th percentile per-packet one-way delay: 27.690 ms

Loss rate: 8.07%

-- Flow 2:

Average throughput: 31.89 Mbit/s

95th percentile per-packet one-way delay: 37.669 ms

Loss rate: 4.39%

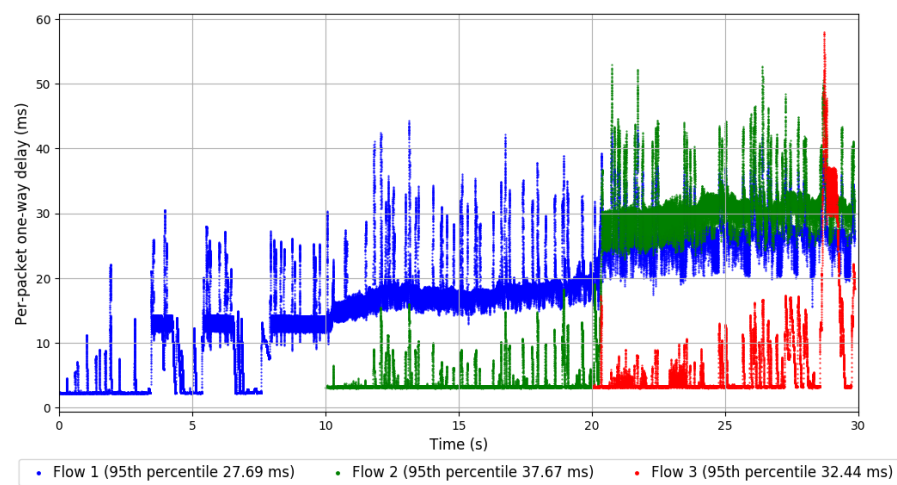
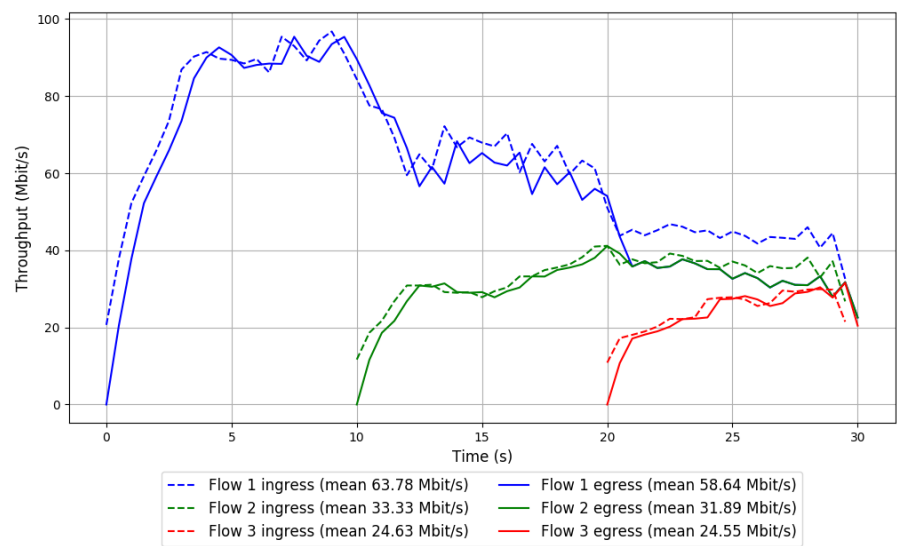
-- Flow 3:

Average throughput: 24.55 Mbit/s

95th percentile per-packet one-way delay: 32.435 ms

Loss rate: 0.36%

Run 4: Report of PCC-Allegro — Data Link

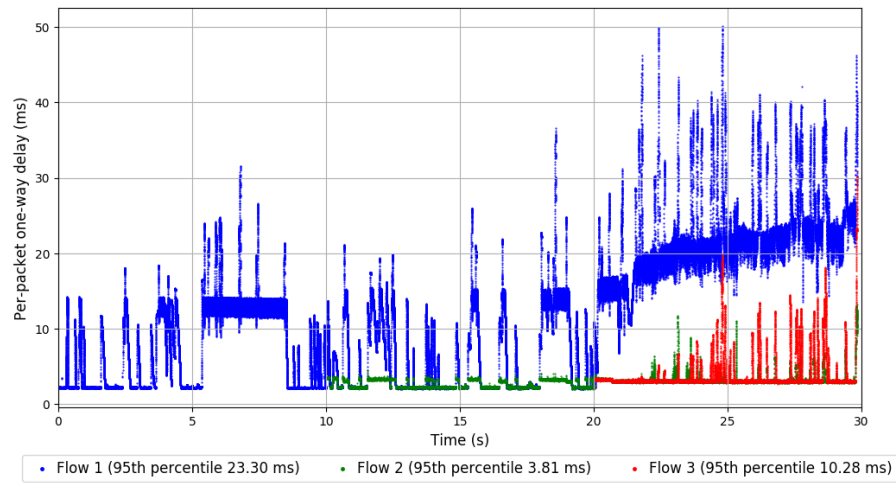
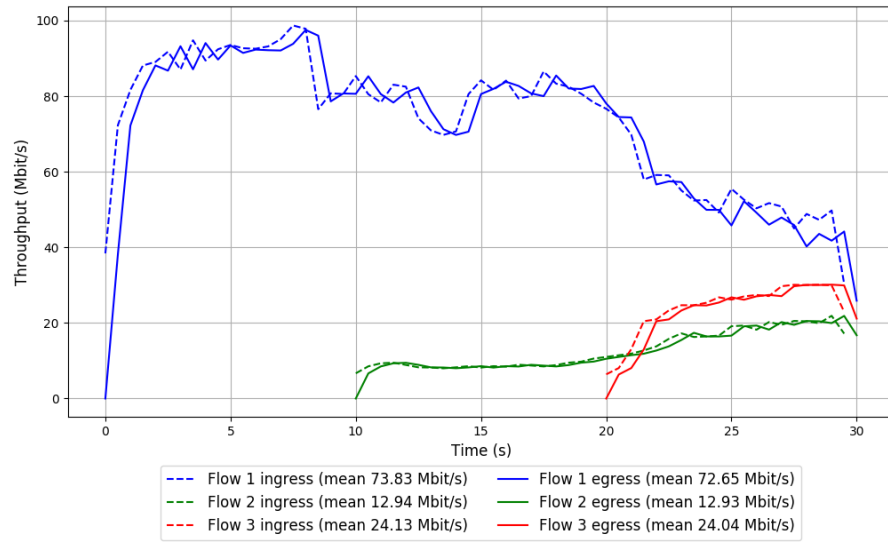


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-10 21:37:04
End at: 2018-07-10 21:37:34
Local clock offset: -1.172 ms
Remote clock offset: -7.406 ms

Below is generated by plot.py at 2018-07-10 23:42:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.15 Mbit/s
95th percentile per-packet one-way delay: 22.793 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 72.65 Mbit/s
95th percentile per-packet one-way delay: 23.295 ms
Loss rate: 1.65%
-- Flow 2:
Average throughput: 12.93 Mbit/s
95th percentile per-packet one-way delay: 3.807 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 10.280 ms
Loss rate: 0.42%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-10 21:56:11

End at: 2018-07-10 21:56:41

Local clock offset: -1.121 ms

Remote clock offset: -10.776 ms

Below is generated by plot.py at 2018-07-10 23:42:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.11 Mbit/s

95th percentile per-packet one-way delay: 32.502 ms

Loss rate: 7.11%

-- Flow 1:

Average throughput: 59.40 Mbit/s

95th percentile per-packet one-way delay: 28.506 ms

Loss rate: 9.76%

-- Flow 2:

Average throughput: 28.54 Mbit/s

95th percentile per-packet one-way delay: 29.411 ms

Loss rate: 0.21%

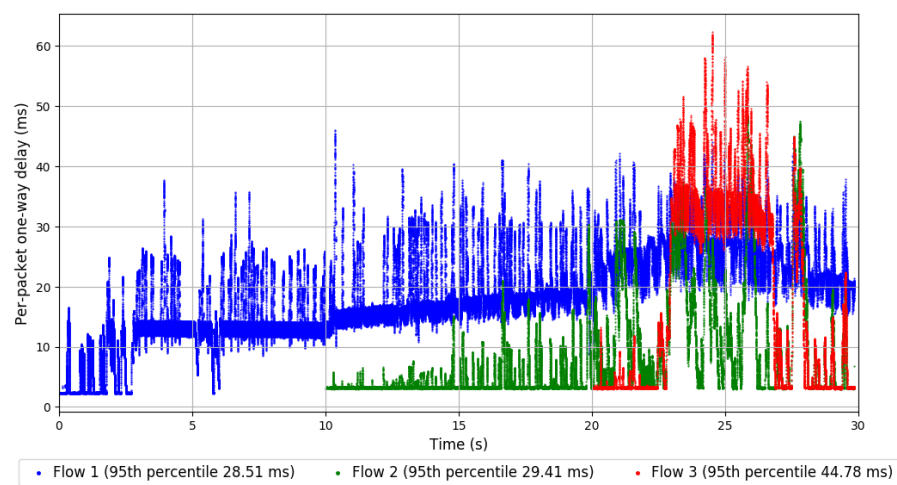
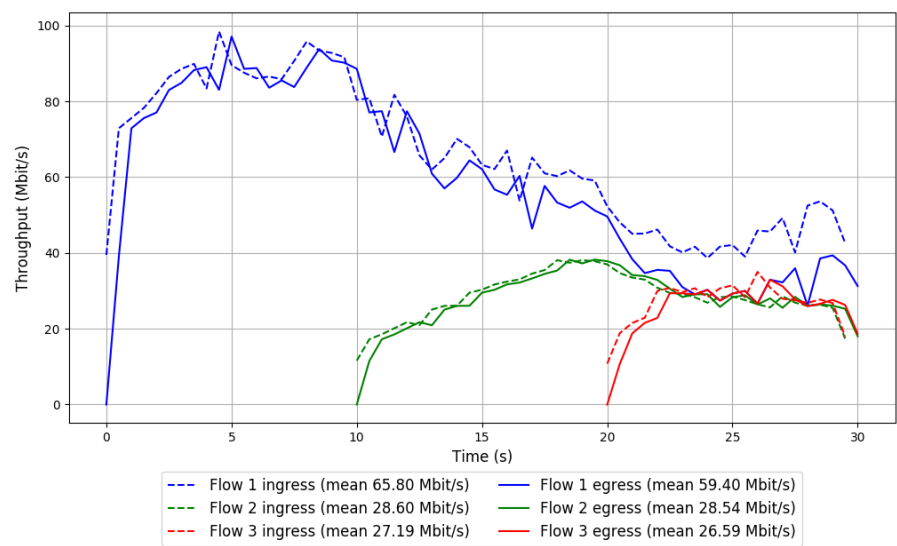
-- Flow 3:

Average throughput: 26.59 Mbit/s

95th percentile per-packet one-way delay: 44.777 ms

Loss rate: 2.29%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-10 22:15:16

End at: 2018-07-10 22:15:46

Local clock offset: -1.089 ms

Remote clock offset: -12.794 ms

Below is generated by plot.py at 2018-07-10 23:42:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.54 Mbit/s

95th percentile per-packet one-way delay: 37.569 ms

Loss rate: 7.57%

-- Flow 1:

Average throughput: 50.37 Mbit/s

95th percentile per-packet one-way delay: 33.150 ms

Loss rate: 7.48%

-- Flow 2:

Average throughput: 32.45 Mbit/s

95th percentile per-packet one-way delay: 40.044 ms

Loss rate: 9.32%

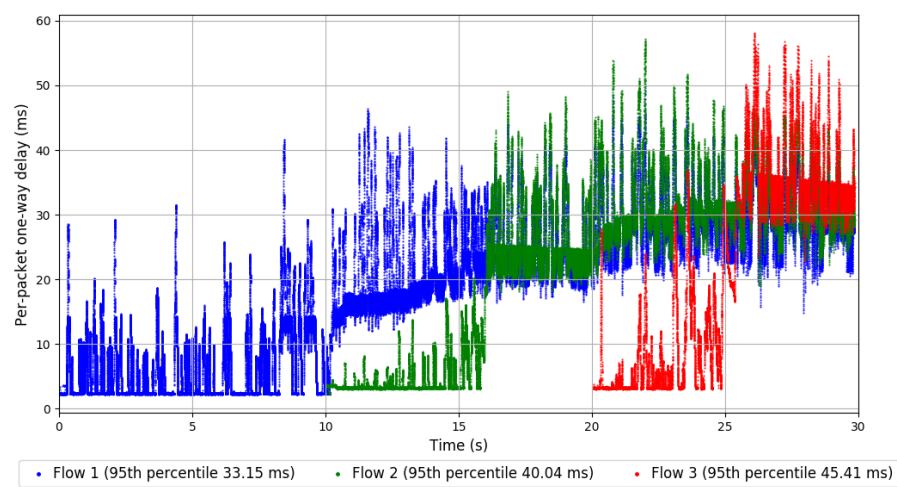
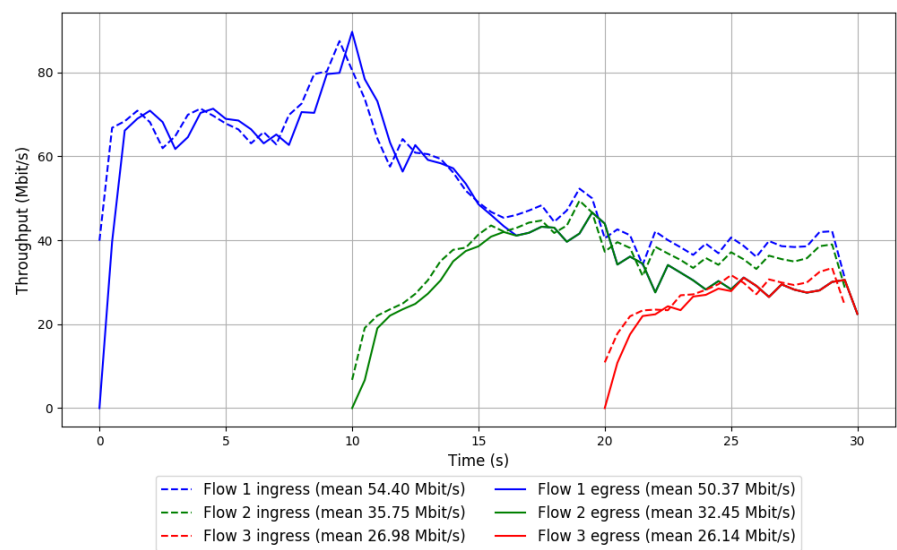
-- Flow 3:

Average throughput: 26.14 Mbit/s

95th percentile per-packet one-way delay: 45.413 ms

Loss rate: 3.38%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-10 22:34:20

End at: 2018-07-10 22:34:50

Local clock offset: -1.081 ms

Remote clock offset: -10.269 ms

Below is generated by plot.py at 2018-07-10 23:42:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.38 Mbit/s

95th percentile per-packet one-way delay: 26.868 ms

Loss rate: 4.17%

-- Flow 1:

Average throughput: 7.74 Mbit/s

95th percentile per-packet one-way delay: 3.993 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 64.24 Mbit/s

95th percentile per-packet one-way delay: 29.300 ms

Loss rate: 5.51%

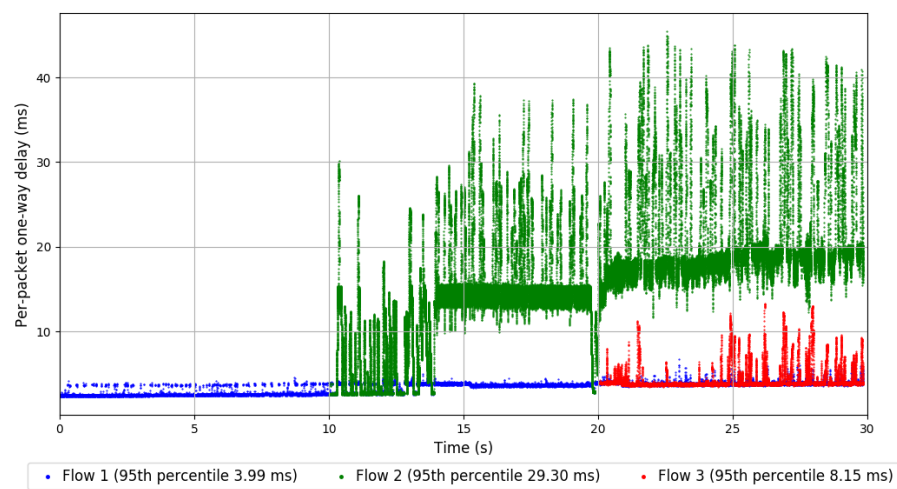
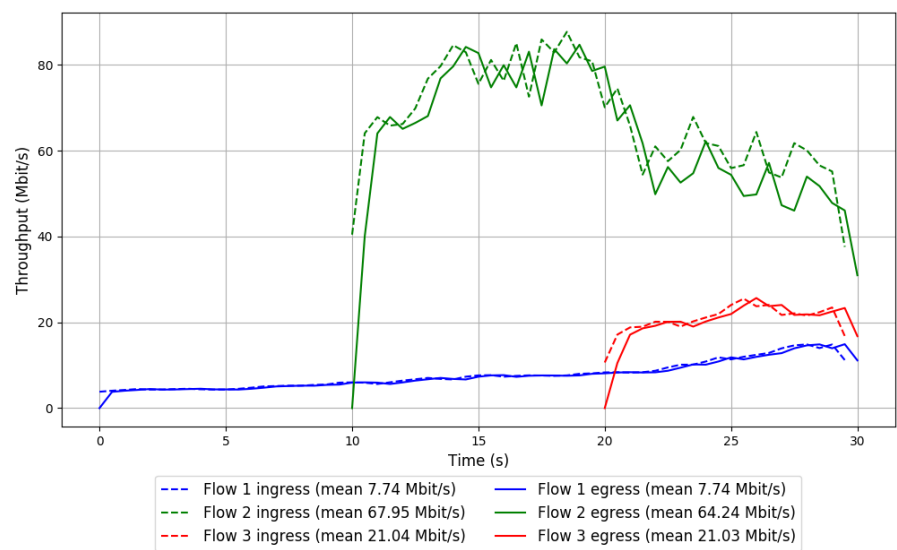
-- Flow 3:

Average throughput: 21.03 Mbit/s

95th percentile per-packet one-way delay: 8.149 ms

Loss rate: 0.09%

Run 8: Report of PCC-Allegro — Data Link

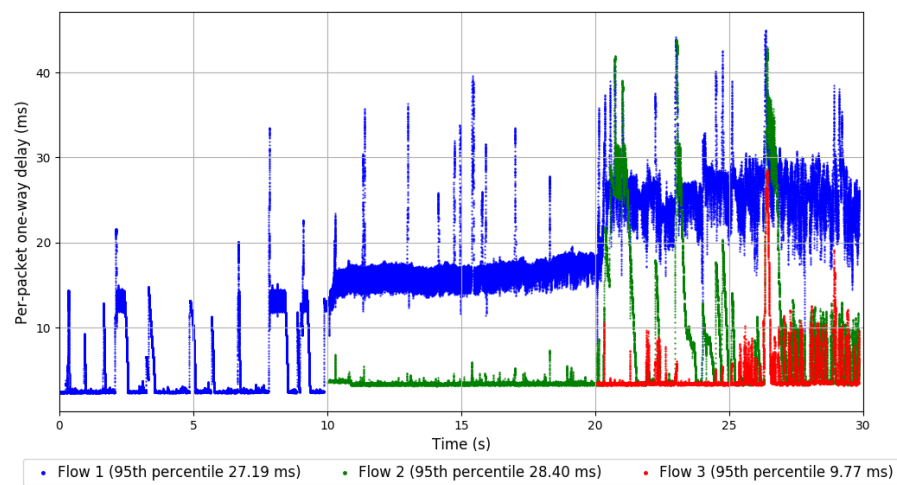
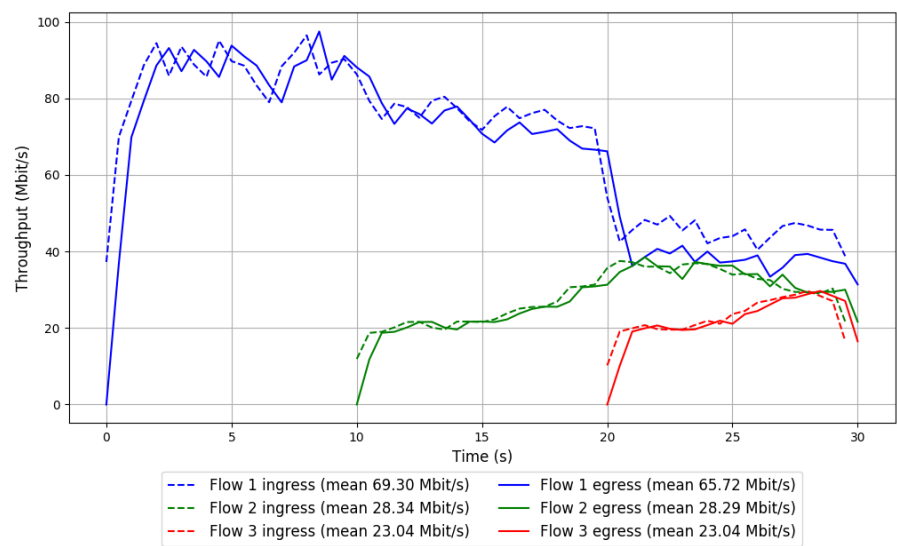


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-10 22:53:29
End at: 2018-07-10 22:53:59
Local clock offset: -1.126 ms
Remote clock offset: -0.708 ms

Below is generated by plot.py at 2018-07-10 23:43:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.12 Mbit/s
95th percentile per-packet one-way delay: 27.141 ms
Loss rate: 3.80%
-- Flow 1:
Average throughput: 65.72 Mbit/s
95th percentile per-packet one-way delay: 27.187 ms
Loss rate: 5.19%
-- Flow 2:
Average throughput: 28.29 Mbit/s
95th percentile per-packet one-way delay: 28.398 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 23.04 Mbit/s
95th percentile per-packet one-way delay: 9.768 ms
Loss rate: 0.08%

Run 9: Report of PCC-Allegro — Data Link

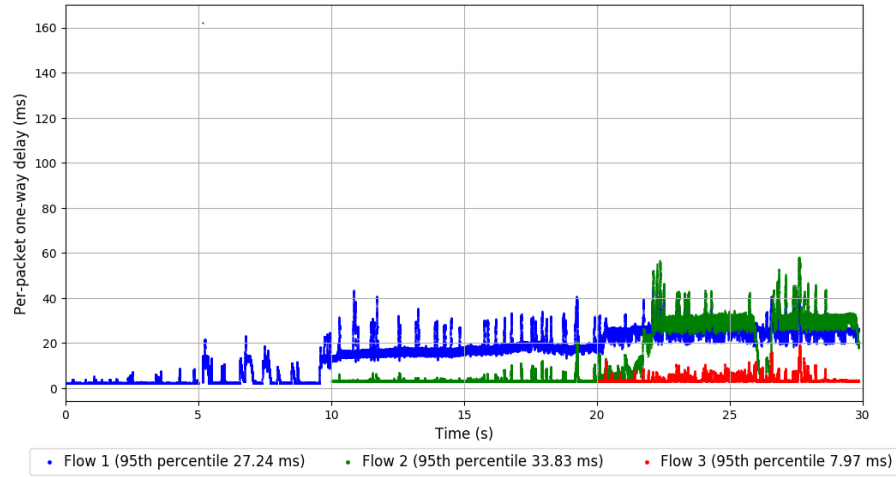
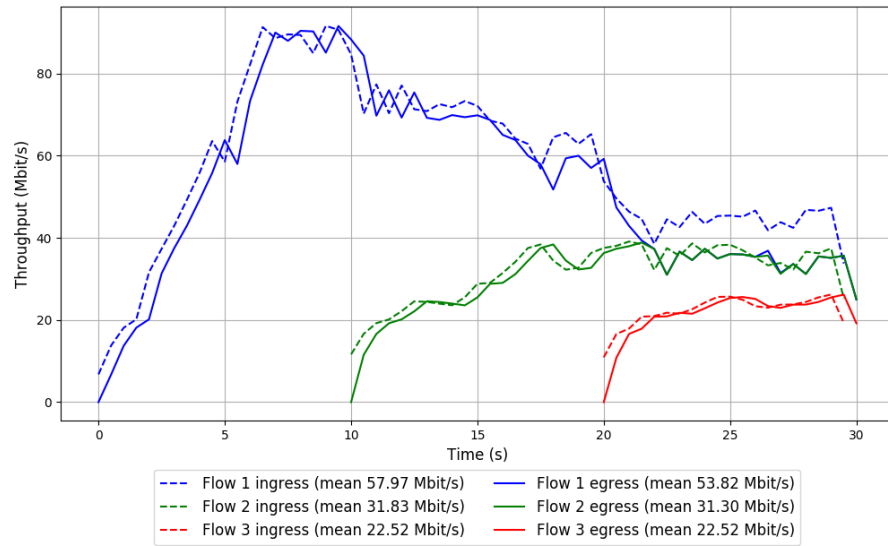


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-10 23:12:38
End at: 2018-07-10 23:13:08
Local clock offset: -1.089 ms
Remote clock offset: -0.264 ms

Below is generated by plot.py at 2018-07-10 23:43:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.03 Mbit/s
95th percentile per-packet one-way delay: 31.100 ms
Loss rate: 5.25%
-- Flow 1:
Average throughput: 53.82 Mbit/s
95th percentile per-packet one-way delay: 27.237 ms
Loss rate: 7.21%
-- Flow 2:
Average throughput: 31.30 Mbit/s
95th percentile per-packet one-way delay: 33.829 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 22.52 Mbit/s
95th percentile per-packet one-way delay: 7.975 ms
Loss rate: 0.07%

Run 10: Report of PCC-Allegro — Data Link

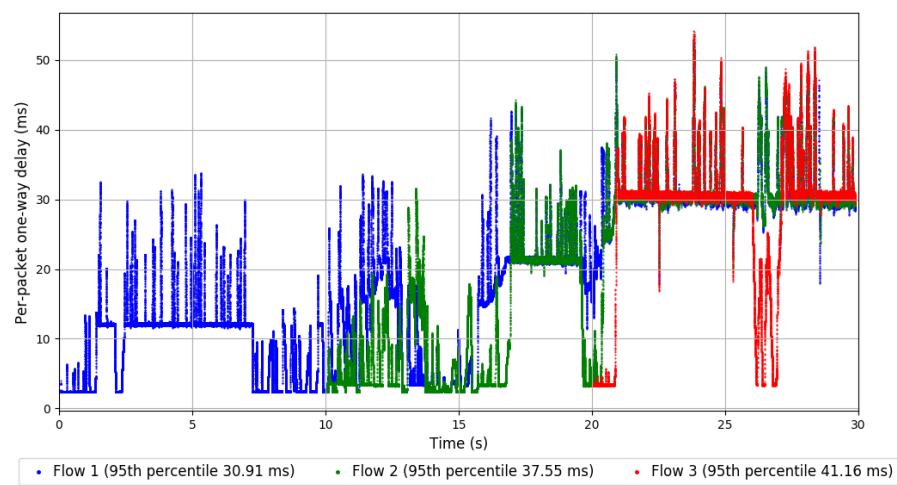
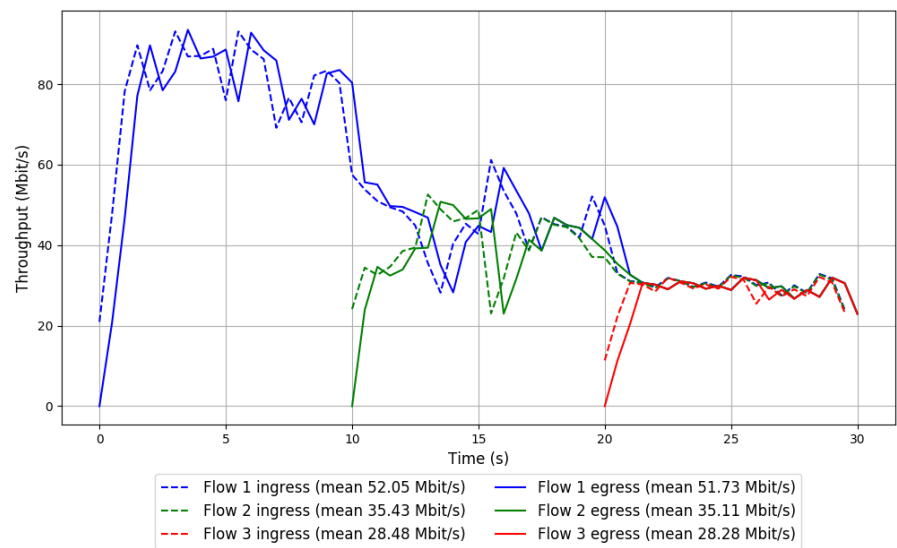


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-10 20:27:15
End at: 2018-07-10 20:27:45
Local clock offset: -1.044 ms
Remote clock offset: -3.401 ms

# Below is generated by plot.py at 2018-07-10 23:44:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.41 Mbit/s
95th percentile per-packet one-way delay: 35.905 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 51.73 Mbit/s
95th percentile per-packet one-way delay: 30.912 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 35.11 Mbit/s
95th percentile per-packet one-way delay: 37.551 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 28.28 Mbit/s
95th percentile per-packet one-way delay: 41.165 ms
Loss rate: 0.89%
```

Run 1: Report of PCC-Expr — Data Link

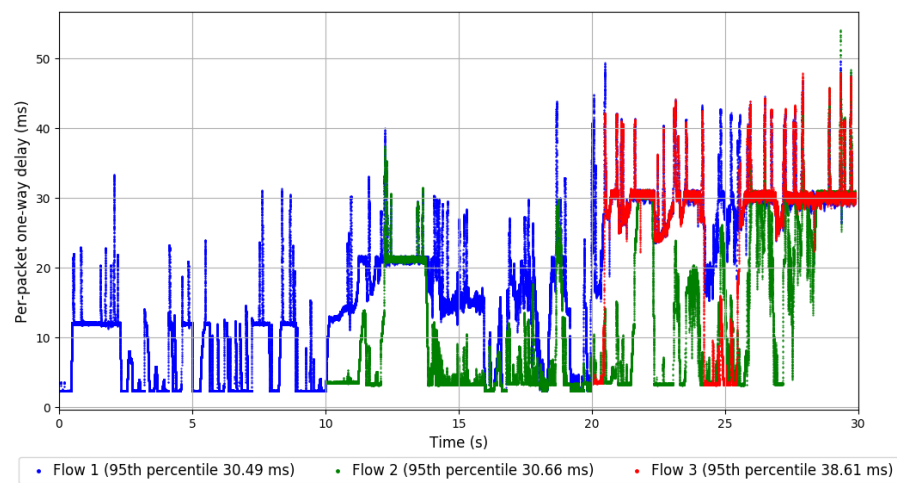
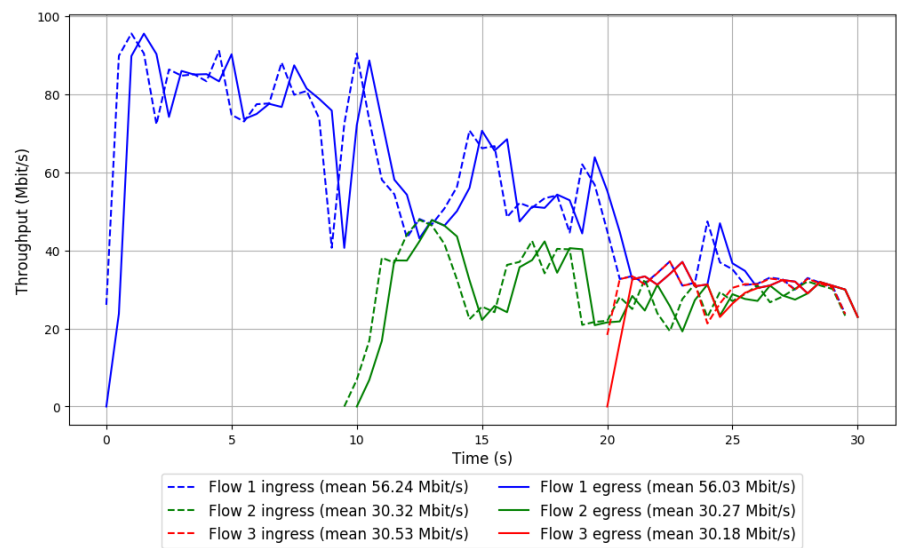


Run 2: Statistics of PCC-Expr

Start at: 2018-07-10 20:46:23
End at: 2018-07-10 20:46:53
Local clock offset: -1.039 ms
Remote clock offset: -1.362 ms

Below is generated by plot.py at 2018-07-10 23:44:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.13 Mbit/s
95th percentile per-packet one-way delay: 30.735 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 56.03 Mbit/s
95th percentile per-packet one-way delay: 30.488 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 30.27 Mbit/s
95th percentile per-packet one-way delay: 30.655 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 30.18 Mbit/s
95th percentile per-packet one-way delay: 38.606 ms
Loss rate: 1.37%

Run 2: Report of PCC-Expr — Data Link

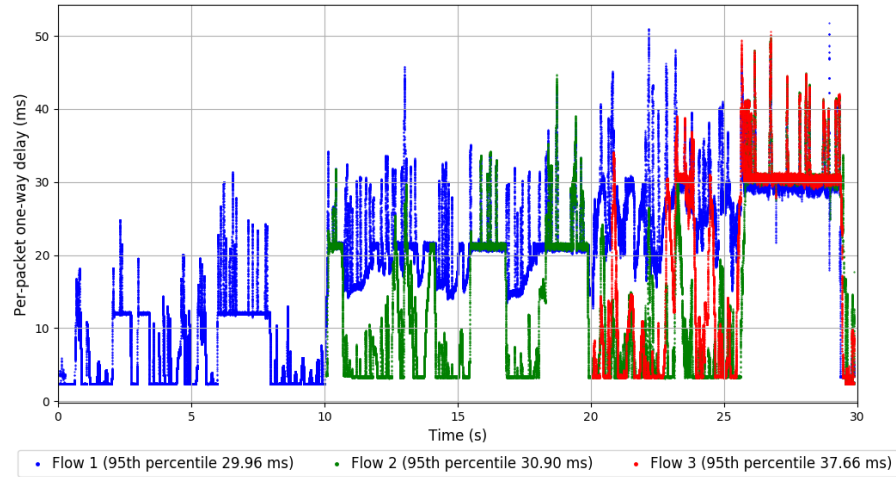
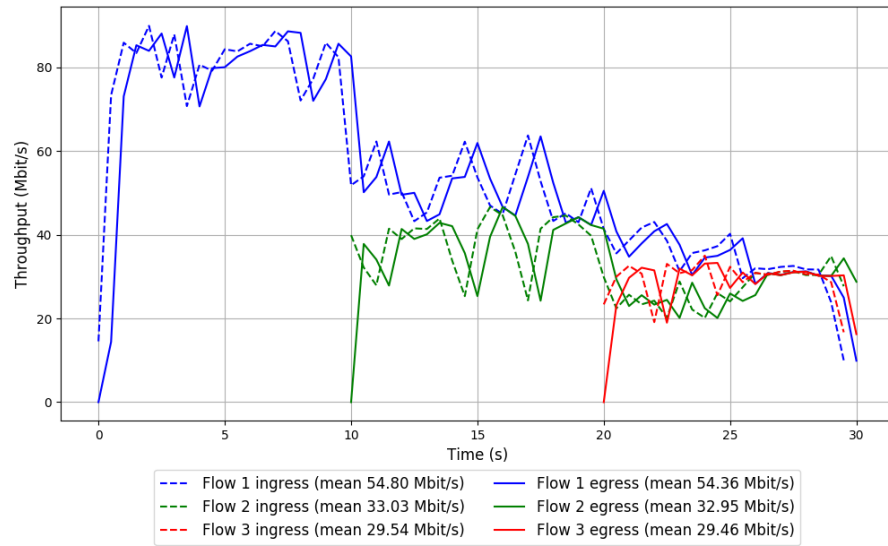


Run 3: Statistics of PCC-Expr

Start at: 2018-07-10 21:05:32
End at: 2018-07-10 21:06:02
Local clock offset: -1.027 ms
Remote clock offset: -0.293 ms

Below is generated by plot.py at 2018-07-10 23:44:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.98 Mbit/s
95th percentile per-packet one-way delay: 30.895 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 54.36 Mbit/s
95th percentile per-packet one-way delay: 29.957 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 32.95 Mbit/s
95th percentile per-packet one-way delay: 30.904 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 29.46 Mbit/s
95th percentile per-packet one-way delay: 37.659 ms
Loss rate: 0.40%

Run 3: Report of PCC-Expr — Data Link

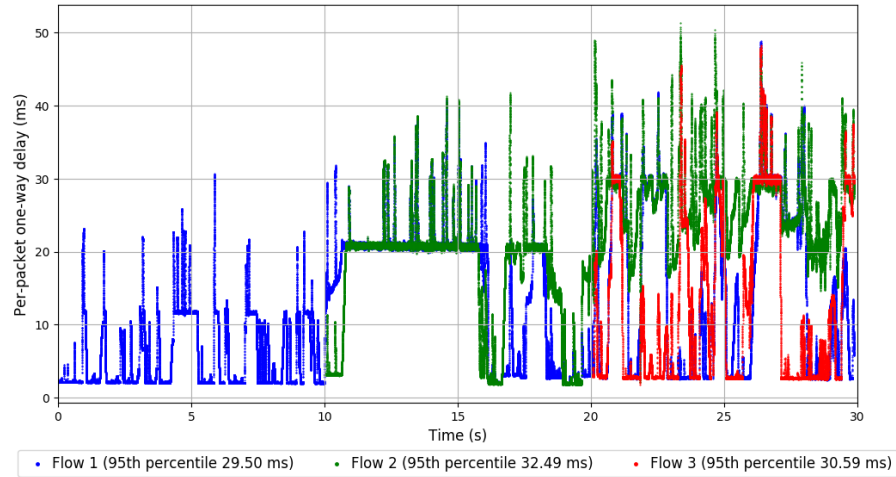
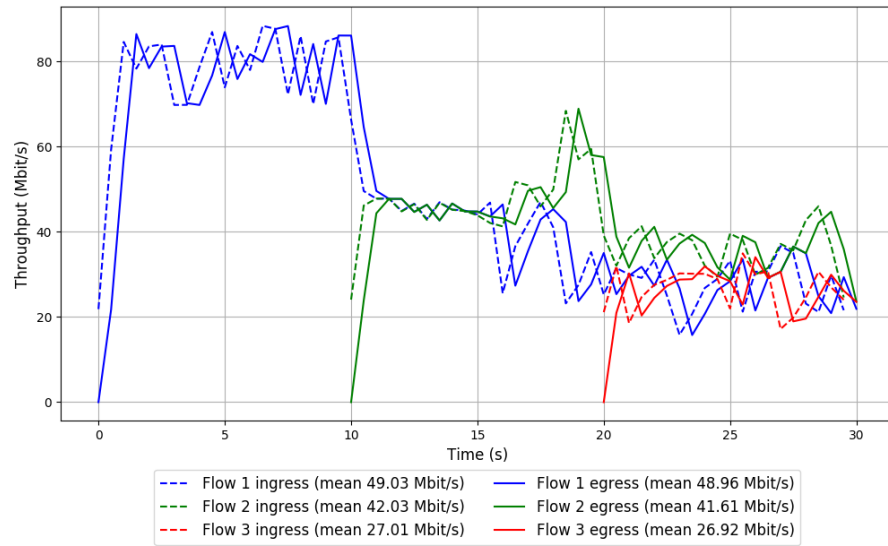


Run 4: Statistics of PCC-Expr

Start at: 2018-07-10 21:24:41
End at: 2018-07-10 21:25:11
Local clock offset: -1.092 ms
Remote clock offset: -0.931 ms

Below is generated by plot.py at 2018-07-10 23:44:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.51 Mbit/s
95th percentile per-packet one-way delay: 30.074 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 48.96 Mbit/s
95th percentile per-packet one-way delay: 29.505 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 41.61 Mbit/s
95th percentile per-packet one-way delay: 32.495 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 26.92 Mbit/s
95th percentile per-packet one-way delay: 30.594 ms
Loss rate: 0.44%

Run 4: Report of PCC-Expr — Data Link

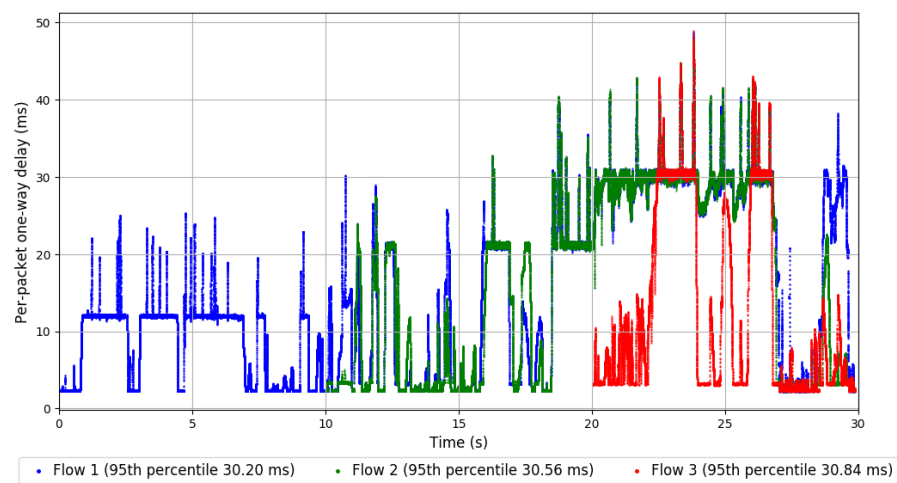
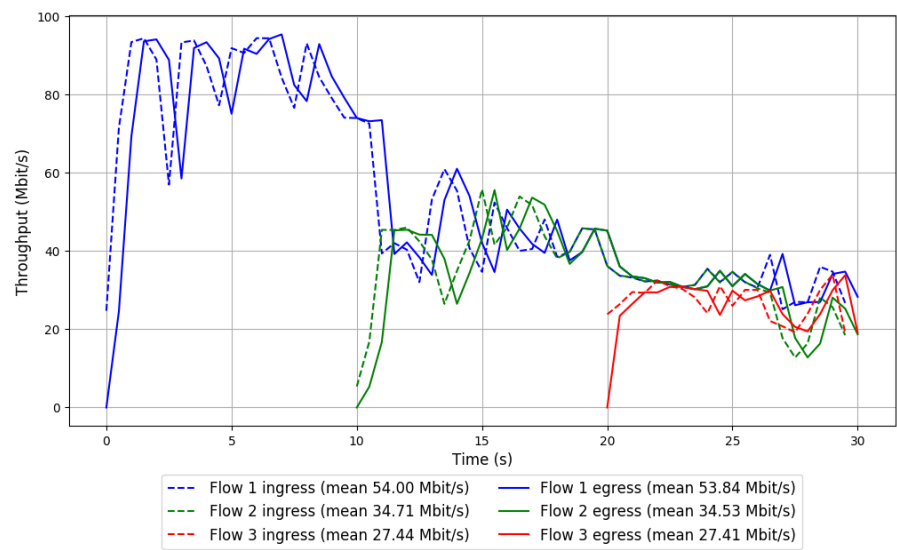


Run 5: Statistics of PCC-Expr

Start at: 2018-07-10 21:43:49
End at: 2018-07-10 21:44:19
Local clock offset: -1.117 ms
Remote clock offset: -8.971 ms

Below is generated by plot.py at 2018-07-10 23:44:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.85 Mbit/s
95th percentile per-packet one-way delay: 30.446 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 53.84 Mbit/s
95th percentile per-packet one-way delay: 30.196 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 34.53 Mbit/s
95th percentile per-packet one-way delay: 30.561 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 27.41 Mbit/s
95th percentile per-packet one-way delay: 30.835 ms
Loss rate: 0.16%

Run 5: Report of PCC-Expr — Data Link

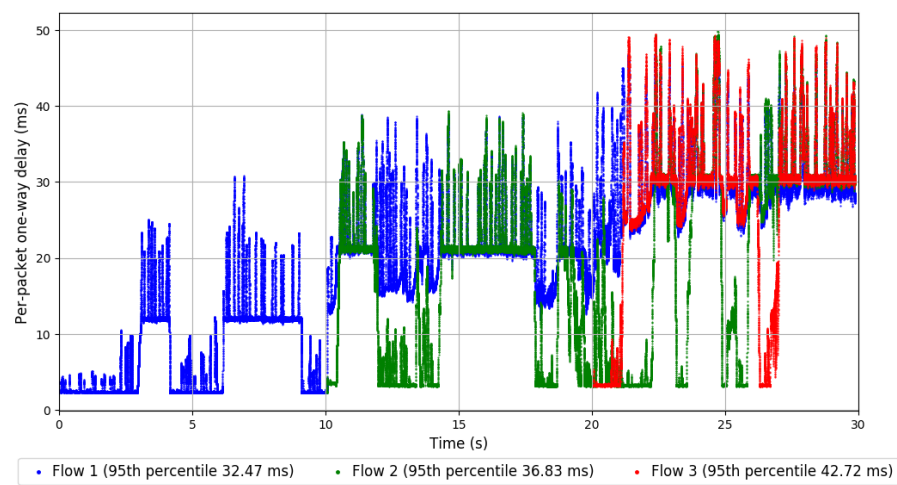
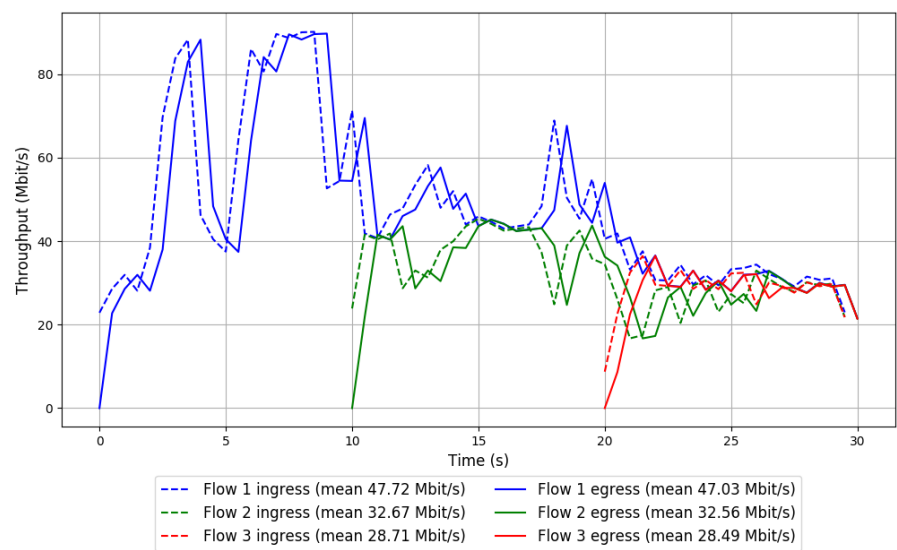


Run 6: Statistics of PCC-Expr

Start at: 2018-07-10 22:02:55
End at: 2018-07-10 22:03:25
Local clock offset: -1.077 ms
Remote clock offset: -11.53 ms

Below is generated by plot.py at 2018-07-10 23:44:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.08 Mbit/s
95th percentile per-packet one-way delay: 36.420 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 47.03 Mbit/s
95th percentile per-packet one-way delay: 32.474 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 32.56 Mbit/s
95th percentile per-packet one-way delay: 36.828 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 28.49 Mbit/s
95th percentile per-packet one-way delay: 42.716 ms
Loss rate: 0.96%

Run 6: Report of PCC-Expr — Data Link

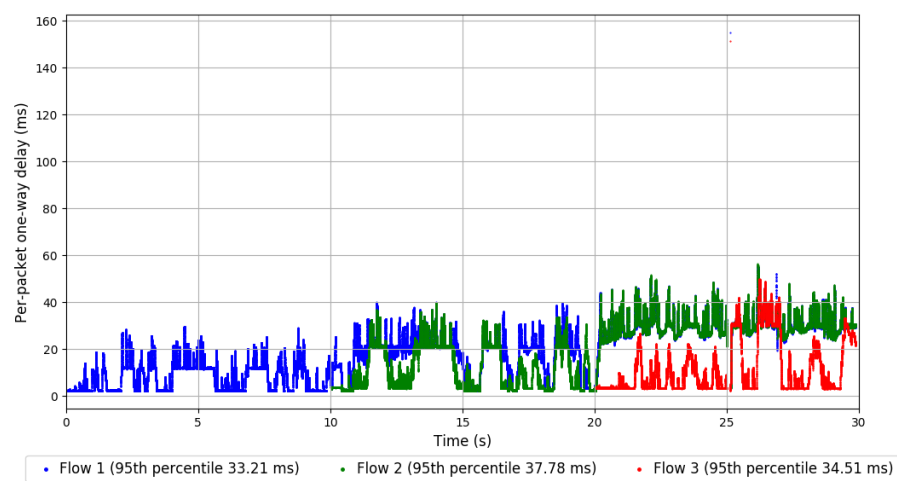
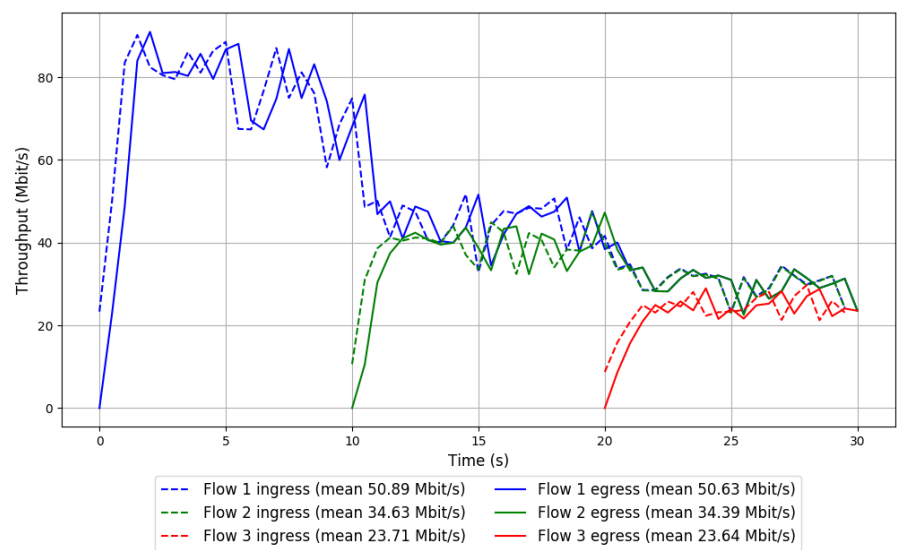


Run 7: Statistics of PCC-Expr

Start at: 2018-07-10 22:22:00
End at: 2018-07-10 22:22:30
Local clock offset: -1.14 ms
Remote clock offset: -13.481 ms

Below is generated by plot.py at 2018-07-10 23:45:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.30 Mbit/s
95th percentile per-packet one-way delay: 35.440 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 50.63 Mbit/s
95th percentile per-packet one-way delay: 33.208 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 34.39 Mbit/s
95th percentile per-packet one-way delay: 37.785 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 23.64 Mbit/s
95th percentile per-packet one-way delay: 34.512 ms
Loss rate: 0.37%

Run 7: Report of PCC-Expr — Data Link

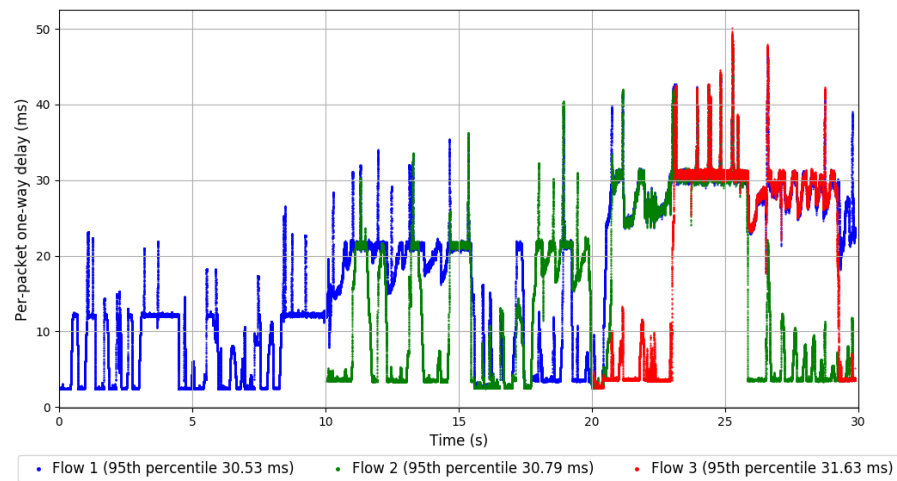
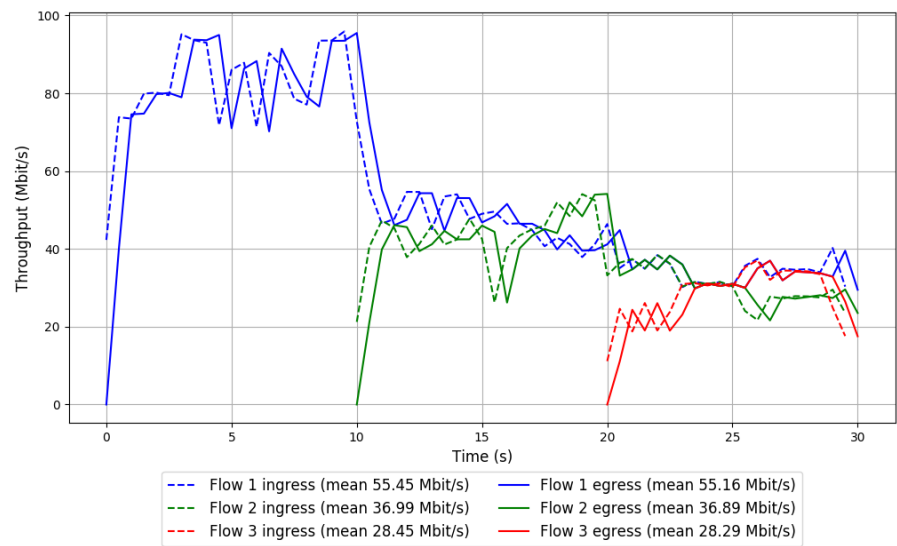


Run 8: Statistics of PCC-Expr

Start at: 2018-07-10 22:41:04
End at: 2018-07-10 22:41:34
Local clock offset: -1.062 ms
Remote clock offset: -5.007 ms

Below is generated by plot.py at 2018-07-10 23:45:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.02 Mbit/s
95th percentile per-packet one-way delay: 30.829 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 55.16 Mbit/s
95th percentile per-packet one-way delay: 30.533 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 36.89 Mbit/s
95th percentile per-packet one-way delay: 30.790 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 28.29 Mbit/s
95th percentile per-packet one-way delay: 31.632 ms
Loss rate: 0.59%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-10 23:00:14

End at: 2018-07-10 23:00:44

Local clock offset: -1.112 ms

Remote clock offset: 0.556 ms

Below is generated by plot.py at 2018-07-10 23:46:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.63 Mbit/s

95th percentile per-packet one-way delay: 30.012 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 57.16 Mbit/s

95th percentile per-packet one-way delay: 29.281 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 34.04 Mbit/s

95th percentile per-packet one-way delay: 24.301 ms

Loss rate: 0.09%

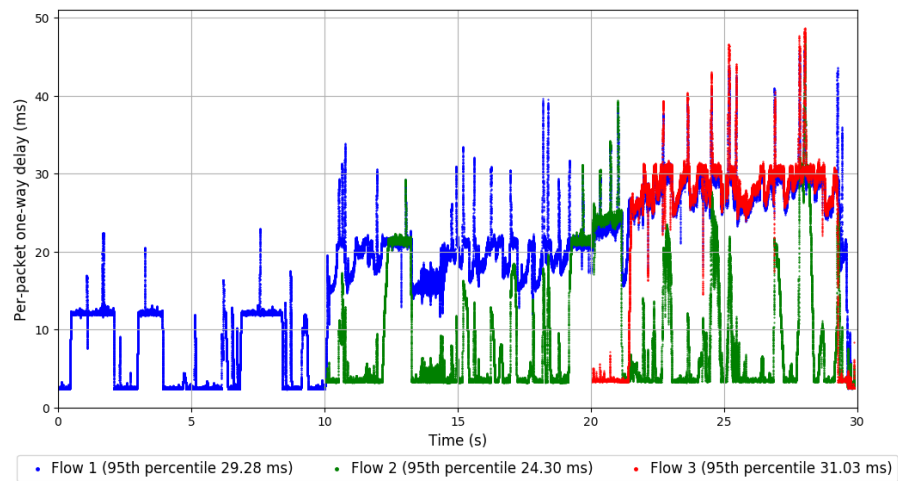
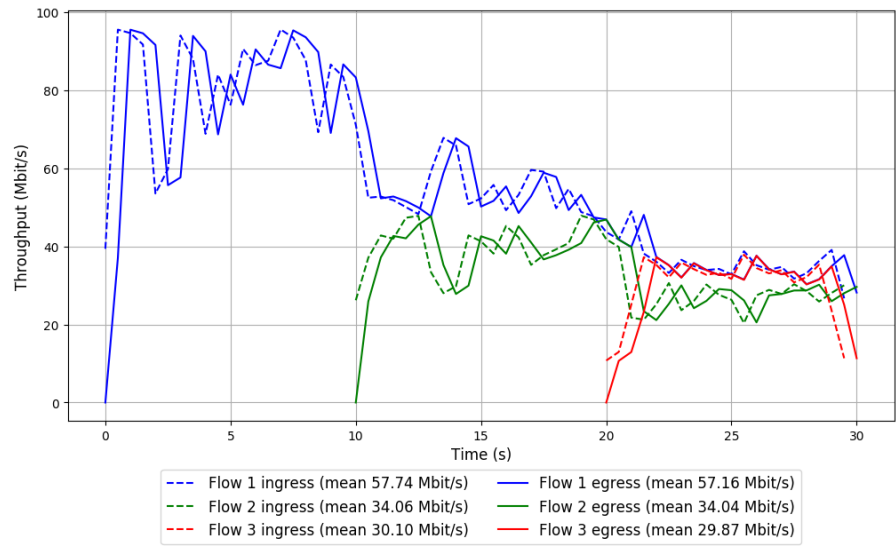
-- Flow 3:

Average throughput: 29.87 Mbit/s

95th percentile per-packet one-way delay: 31.027 ms

Loss rate: 0.77%

Run 9: Report of PCC-Expr — Data Link

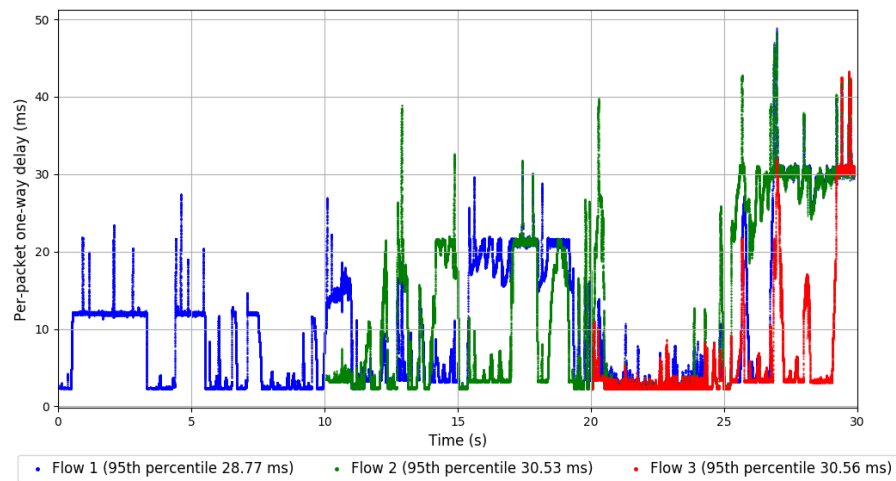
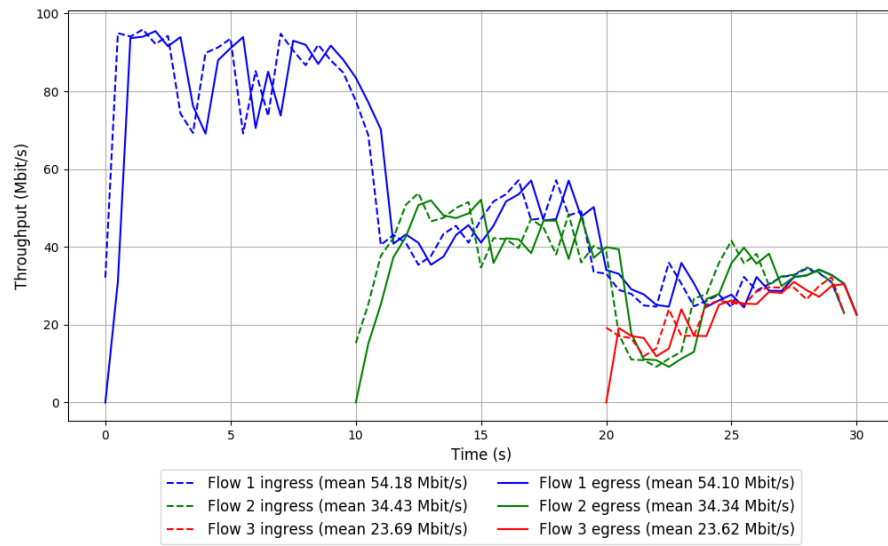


Run 10: Statistics of PCC-Expr

Start at: 2018-07-10 23:19:23
End at: 2018-07-10 23:19:53
Local clock offset: -1.013 ms
Remote clock offset: -0.608 ms

Below is generated by plot.py at 2018-07-10 23:46:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.73 Mbit/s
95th percentile per-packet one-way delay: 30.190 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 54.10 Mbit/s
95th percentile per-packet one-way delay: 28.772 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 34.34 Mbit/s
95th percentile per-packet one-way delay: 30.528 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 23.62 Mbit/s
95th percentile per-packet one-way delay: 30.556 ms
Loss rate: 0.46%

Run 10: Report of PCC-Expr — Data Link

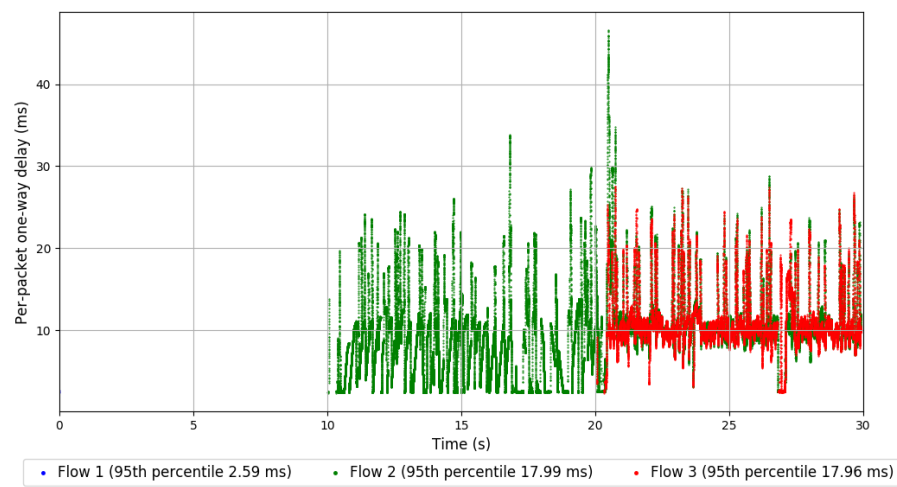
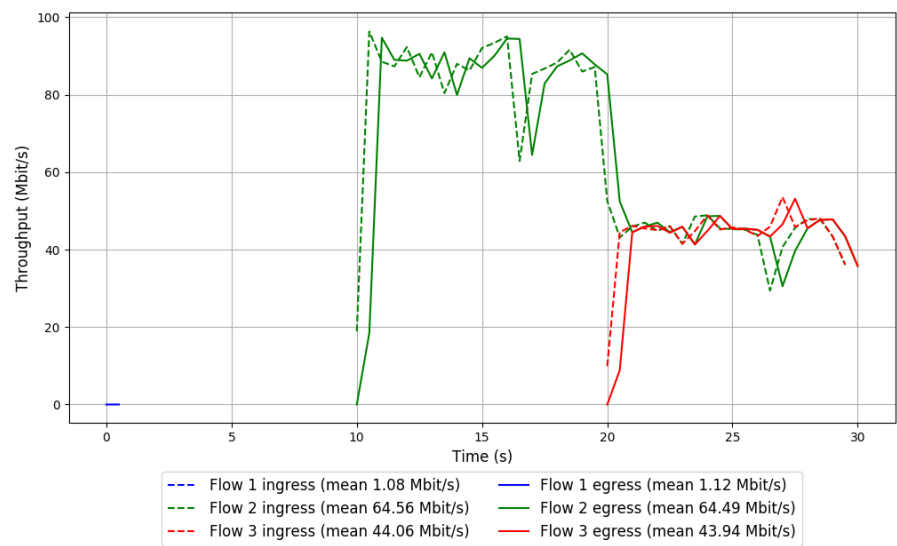


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-10 20:32:55
End at: 2018-07-10 20:33:25
Local clock offset: -1.06 ms
Remote clock offset: -2.618 ms

Below is generated by plot.py at 2018-07-10 23:46:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.44 Mbit/s
95th percentile per-packet one-way delay: 17.979 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 2.591 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.49 Mbit/s
95th percentile per-packet one-way delay: 17.991 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 43.94 Mbit/s
95th percentile per-packet one-way delay: 17.961 ms
Loss rate: 0.32%

Run 1: Report of QUIC Cubic — Data Link

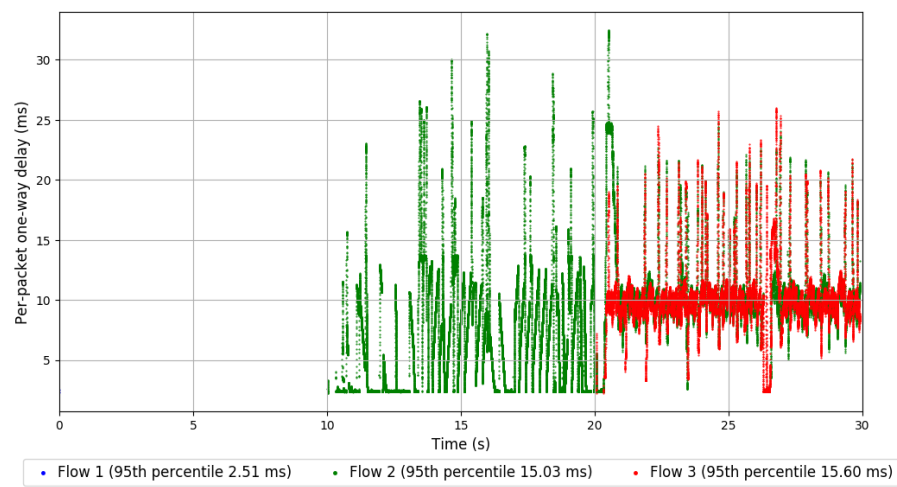
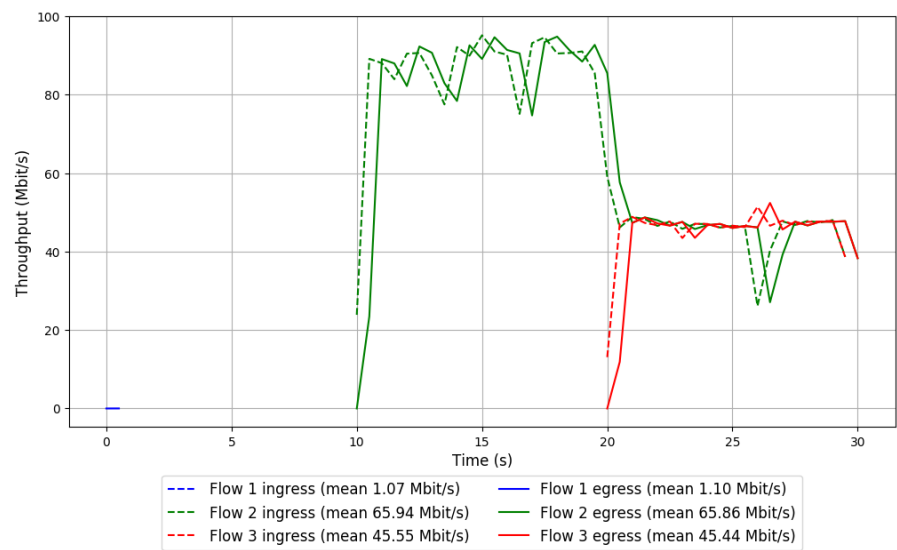


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-10 20:52:04
End at: 2018-07-10 20:52:34
Local clock offset: -1.049 ms
Remote clock offset: -1.029 ms

Below is generated by plot.py at 2018-07-10 23:46:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.85 Mbit/s
95th percentile per-packet one-way delay: 15.300 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 2.514 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.86 Mbit/s
95th percentile per-packet one-way delay: 15.033 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 45.44 Mbit/s
95th percentile per-packet one-way delay: 15.595 ms
Loss rate: 0.31%

Run 2: Report of QUIC Cubic — Data Link

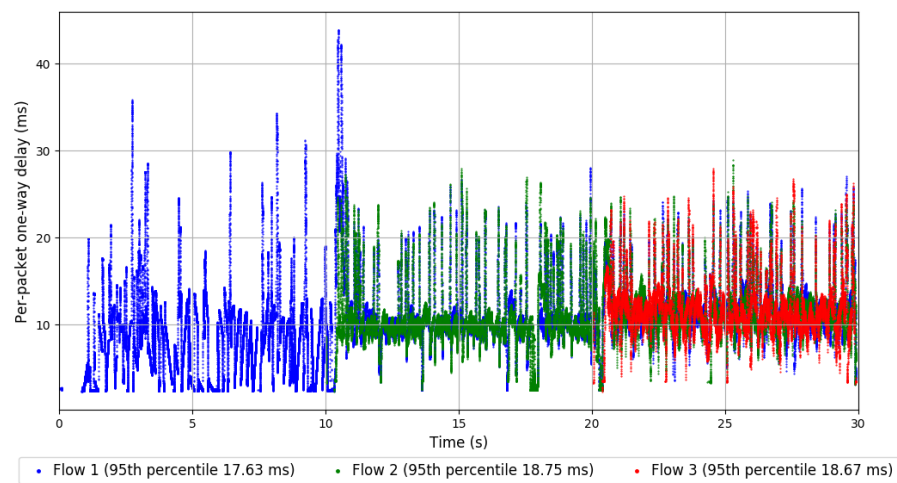
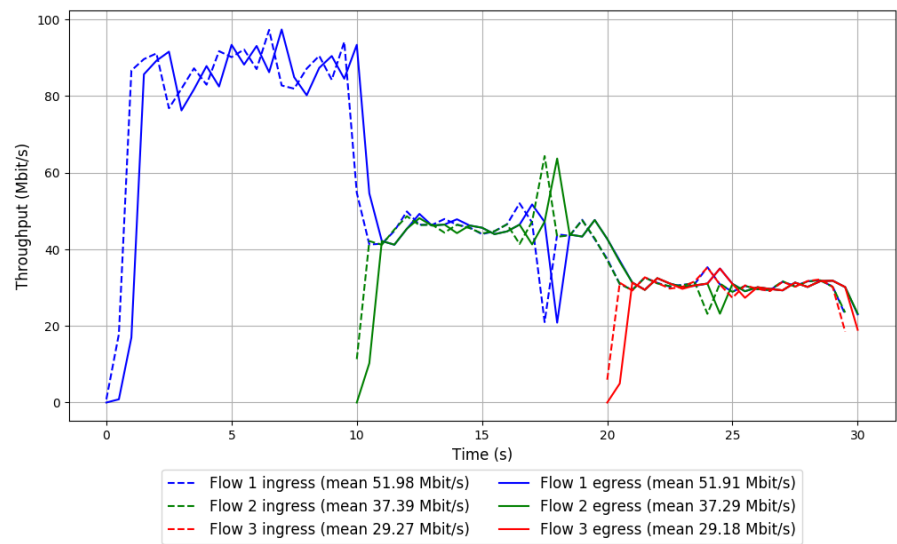


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-10 21:11:12
End at: 2018-07-10 21:11:42
Local clock offset: -1.035 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-10 23:46:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.36 Mbit/s
95th percentile per-packet one-way delay: 18.179 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 51.91 Mbit/s
95th percentile per-packet one-way delay: 17.629 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 37.29 Mbit/s
95th percentile per-packet one-way delay: 18.753 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 29.18 Mbit/s
95th percentile per-packet one-way delay: 18.670 ms
Loss rate: 0.36%

Run 3: Report of QUIC Cubic — Data Link

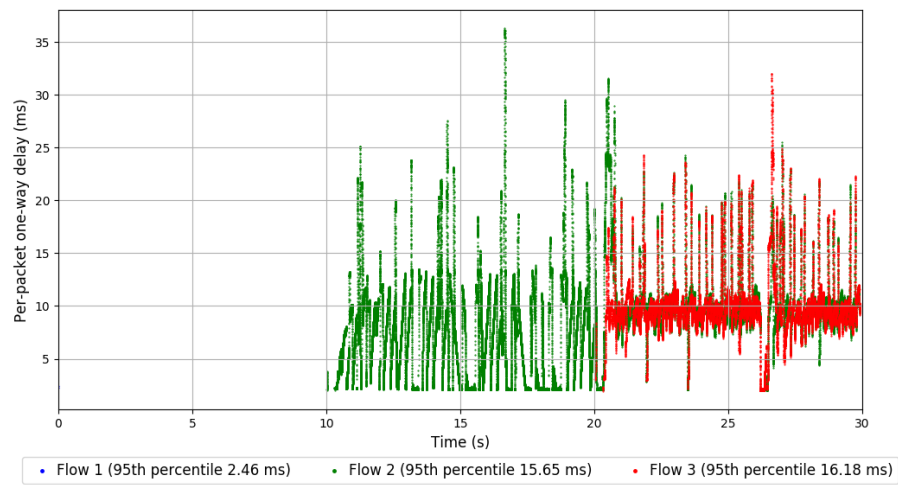
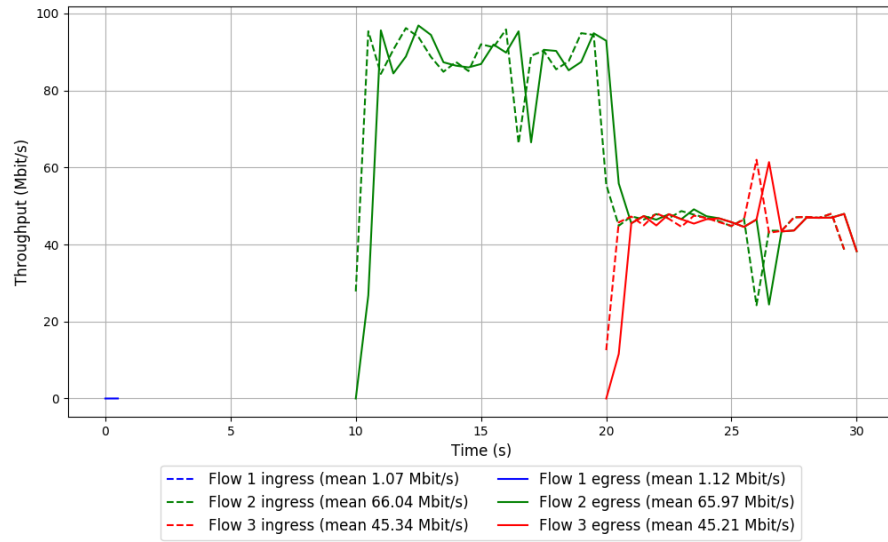


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-10 21:30:22
End at: 2018-07-10 21:30:52
Local clock offset: -1.081 ms
Remote clock offset: -4.857 ms

Below is generated by plot.py at 2018-07-10 23:46:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.87 Mbit/s
95th percentile per-packet one-way delay: 15.898 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 2.465 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.97 Mbit/s
95th percentile per-packet one-way delay: 15.654 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 45.21 Mbit/s
95th percentile per-packet one-way delay: 16.176 ms
Loss rate: 0.32%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-10 21:49:30

End at: 2018-07-10 21:50:00

Local clock offset: -1.119 ms

Remote clock offset: -9.89 ms

Below is generated by plot.py at 2018-07-10 23:46:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.84 Mbit/s

95th percentile per-packet one-way delay: 13.543 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 2.450 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 66.83 Mbit/s

95th percentile per-packet one-way delay: 13.515 ms

Loss rate: 0.13%

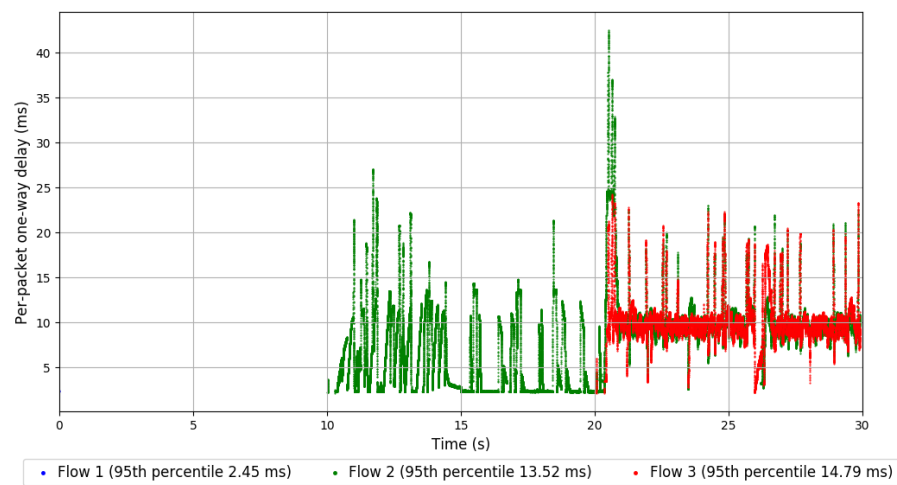
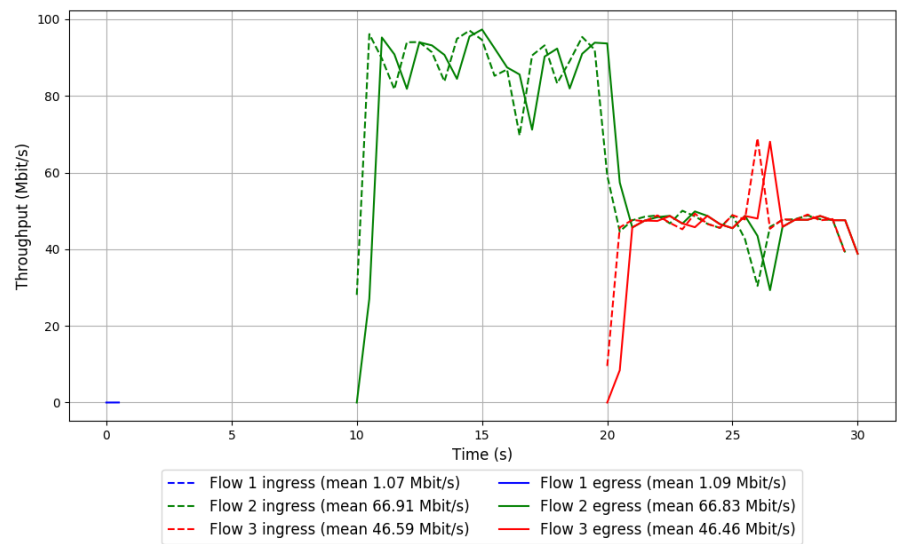
-- Flow 3:

Average throughput: 46.46 Mbit/s

95th percentile per-packet one-way delay: 14.791 ms

Loss rate: 0.31%

Run 5: Report of QUIC Cubic — Data Link

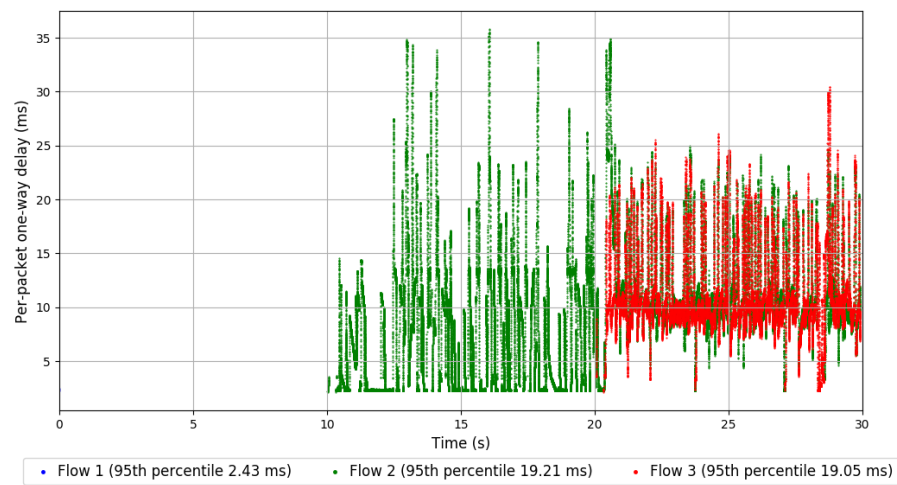
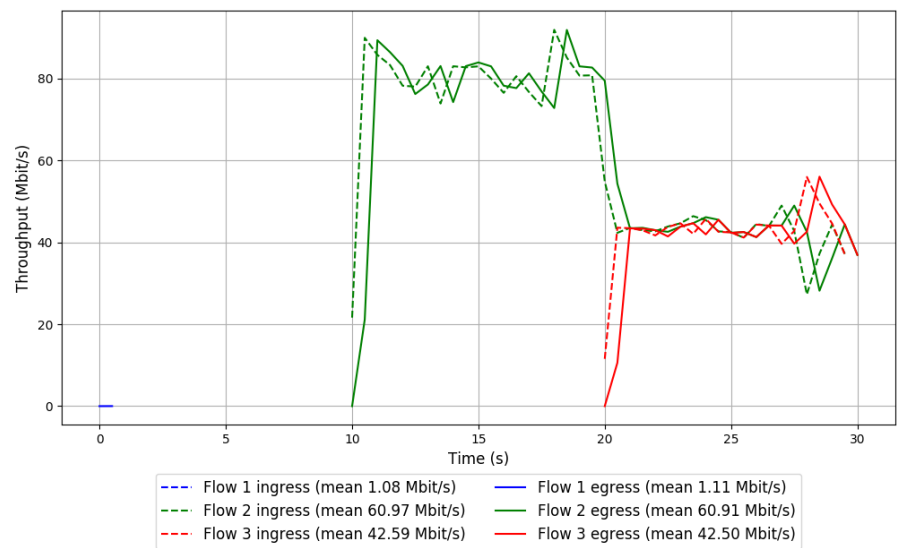


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-10 22:08:35
End at: 2018-07-10 22:09:05
Local clock offset: -1.143 ms
Remote clock offset: -12.138 ms

Below is generated by plot.py at 2018-07-10 23:46:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.58 Mbit/s
95th percentile per-packet one-way delay: 19.164 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 2.428 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.91 Mbit/s
95th percentile per-packet one-way delay: 19.206 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 42.50 Mbit/s
95th percentile per-packet one-way delay: 19.055 ms
Loss rate: 0.31%

Run 6: Report of QUIC Cubic — Data Link

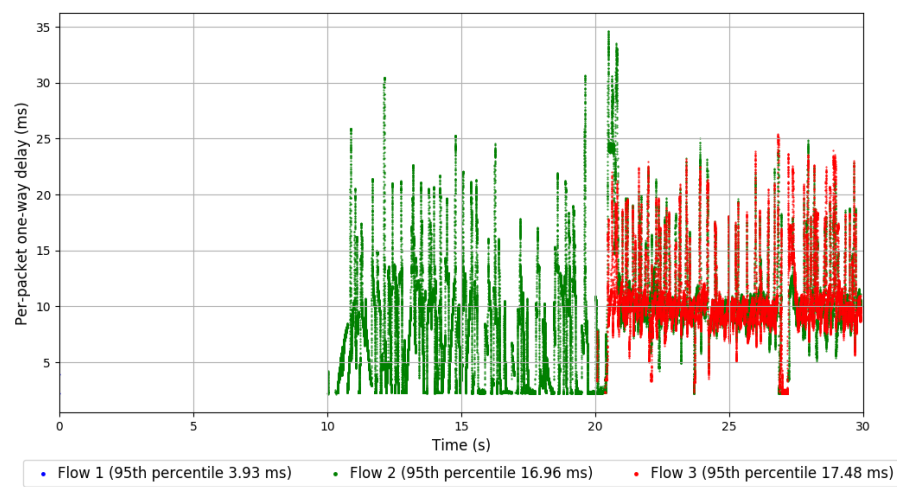
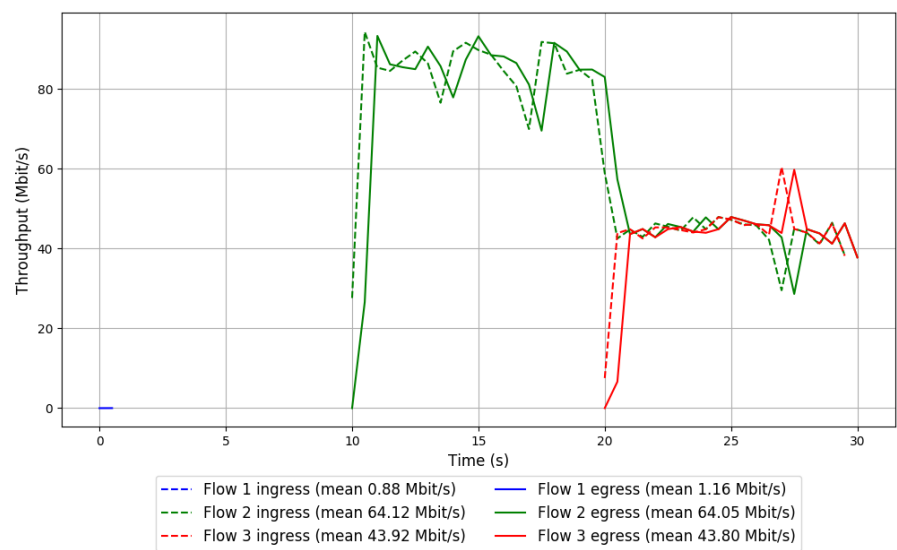


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-10 22:27:40
End at: 2018-07-10 22:28:10
Local clock offset: -1.155 ms
Remote clock offset: -14.085 ms

Below is generated by plot.py at 2018-07-10 23:46:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.10 Mbit/s
95th percentile per-packet one-way delay: 17.139 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 3.930 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.05 Mbit/s
95th percentile per-packet one-way delay: 16.959 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 43.80 Mbit/s
95th percentile per-packet one-way delay: 17.482 ms
Loss rate: 0.32%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-10 22:46:45

End at: 2018-07-10 22:47:15

Local clock offset: -1.073 ms

Remote clock offset: -2.5 ms

Below is generated by plot.py at 2018-07-10 23:46:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.24 Mbit/s

95th percentile per-packet one-way delay: 11.441 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 1.11 Mbit/s

95th percentile per-packet one-way delay: 2.564 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 65.02 Mbit/s

95th percentile per-packet one-way delay: 11.331 ms

Loss rate: 0.12%

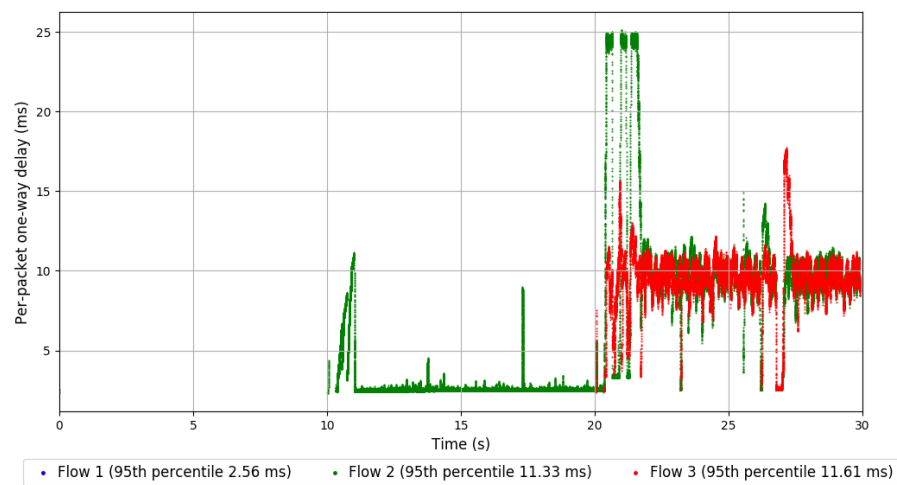
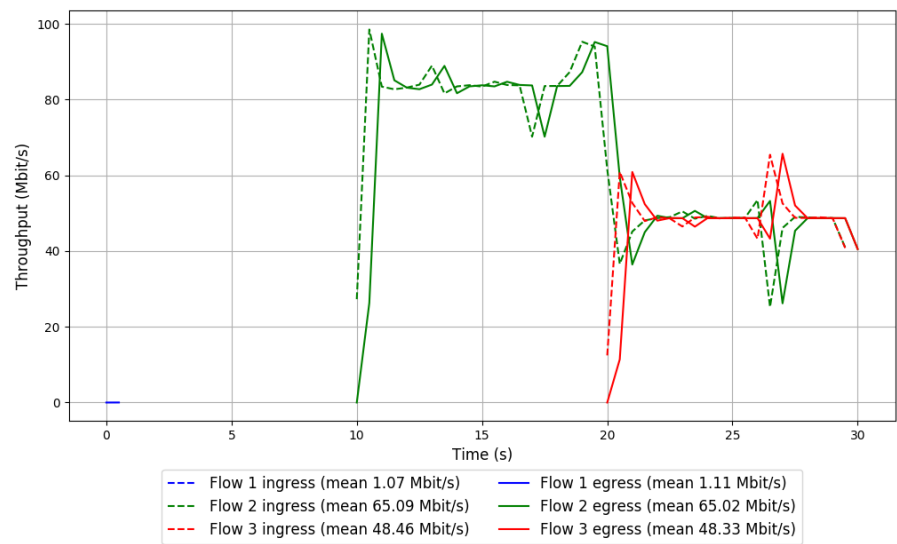
-- Flow 3:

Average throughput: 48.33 Mbit/s

95th percentile per-packet one-way delay: 11.609 ms

Loss rate: 0.32%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-10 23:05:55

End at: 2018-07-10 23:06:25

Local clock offset: -1.054 ms

Remote clock offset: 1.258 ms

Below is generated by plot.py at 2018-07-10 23:46:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.71 Mbit/s

95th percentile per-packet one-way delay: 13.555 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 1.11 Mbit/s

95th percentile per-packet one-way delay: 2.406 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 63.78 Mbit/s

95th percentile per-packet one-way delay: 13.501 ms

Loss rate: 0.12%

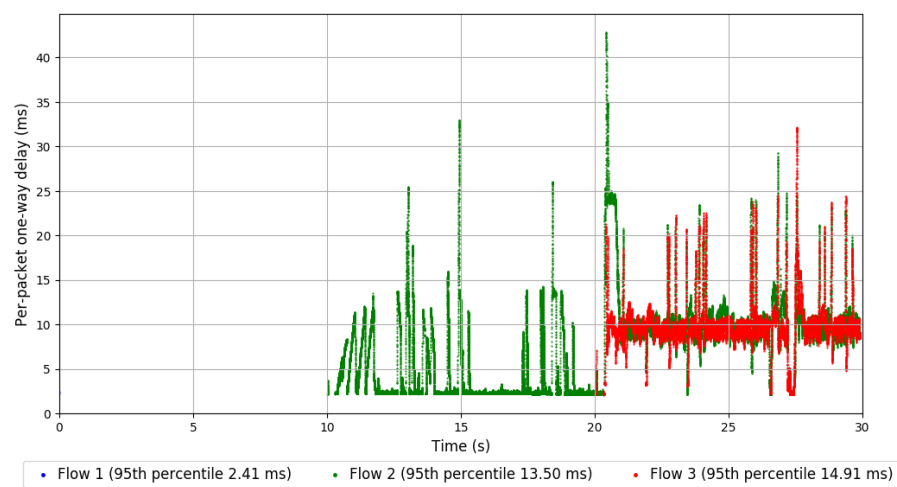
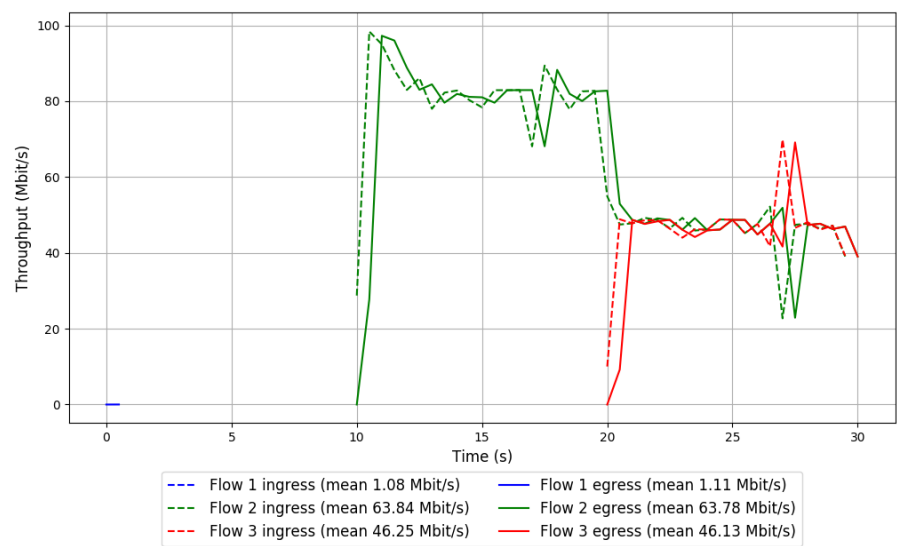
-- Flow 3:

Average throughput: 46.13 Mbit/s

95th percentile per-packet one-way delay: 14.909 ms

Loss rate: 0.31%

Run 9: Report of QUIC Cubic — Data Link

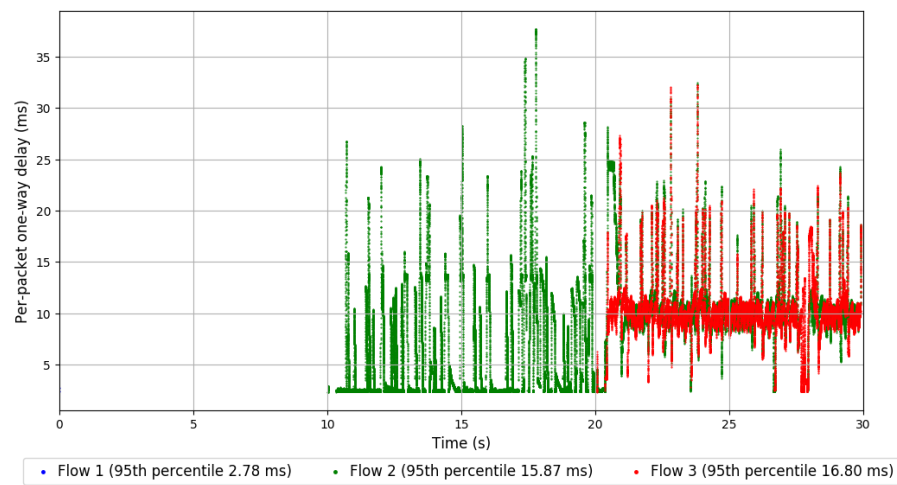
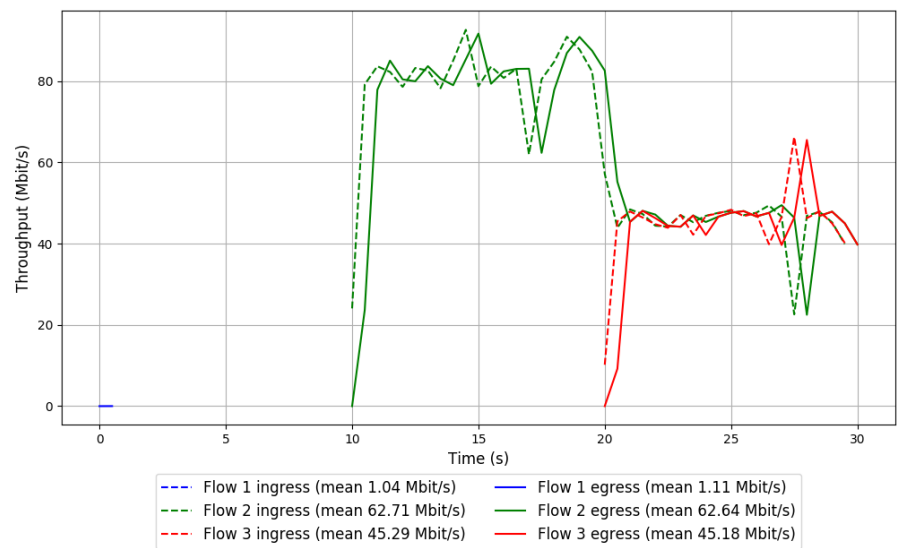


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-10 23:25:04
End at: 2018-07-10 23:25:34
Local clock offset: -0.967 ms
Remote clock offset: -0.665 ms

Below is generated by plot.py at 2018-07-10 23:46:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.62 Mbit/s
95th percentile per-packet one-way delay: 16.175 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 2.780 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.64 Mbit/s
95th percentile per-packet one-way delay: 15.868 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 45.18 Mbit/s
95th percentile per-packet one-way delay: 16.800 ms
Loss rate: 0.31%

Run 10: Report of QUIC Cubic — Data Link

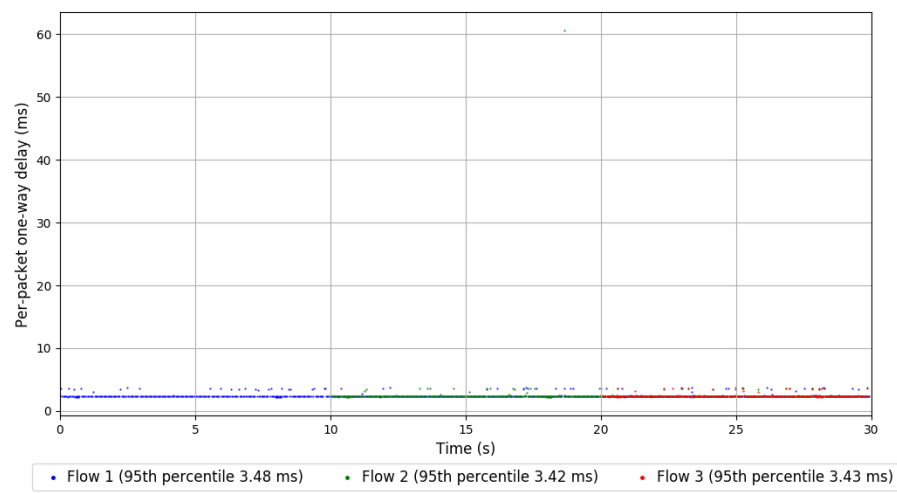
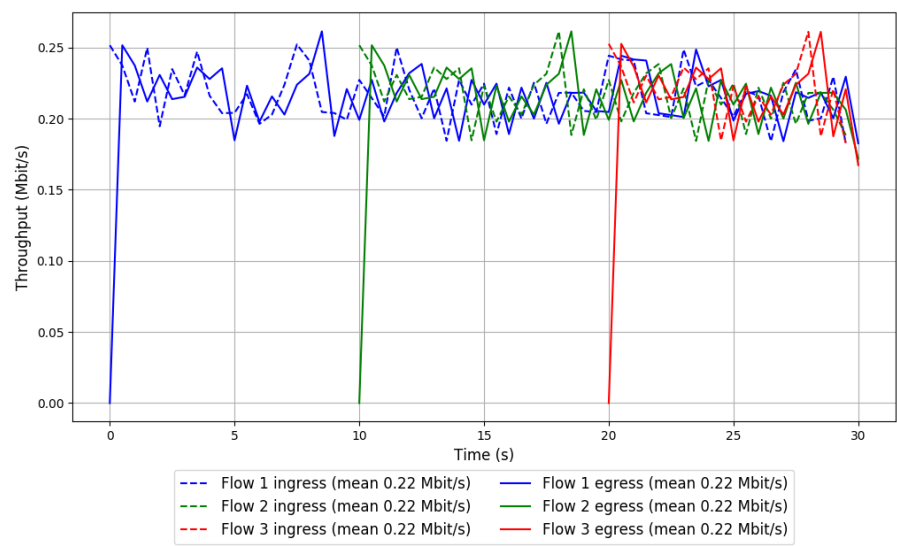


```
Run 1: Statistics of SReAM

Start at: 2018-07-10 20:34:01
End at: 2018-07-10 20:34:31
Local clock offset: -1.113 ms
Remote clock offset: -2.391 ms

# Below is generated by plot.py at 2018-07-10 23:46:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 3.462 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.483 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.415 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.433 ms
Loss rate: 0.35%
```

Run 1: Report of SReAM — Data Link

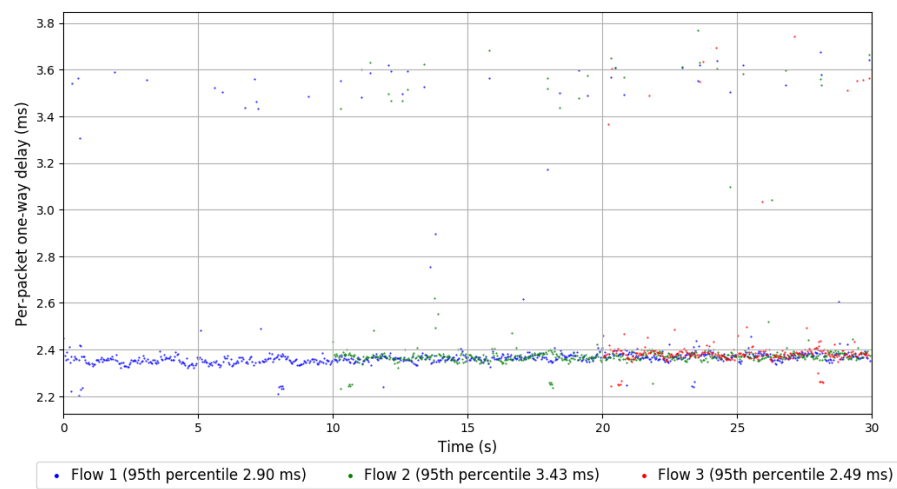
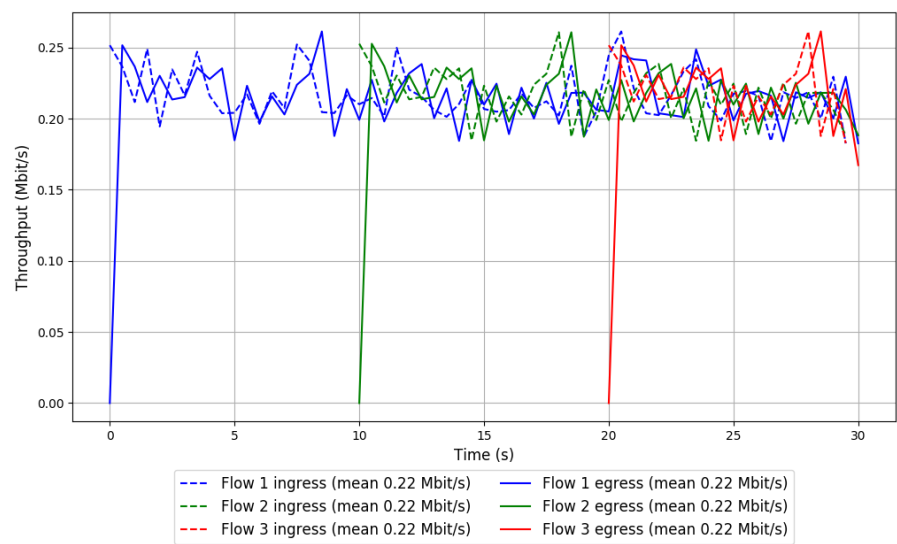


Run 2: Statistics of SReAM

Start at: 2018-07-10 20:53:10
End at: 2018-07-10 20:53:40
Local clock offset: -1.043 ms
Remote clock offset: -0.956 ms

Below is generated by plot.py at 2018-07-10 23:46:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 3.033 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.897 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.434 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.493 ms
Loss rate: 0.35%

Run 2: Report of SReAM — Data Link

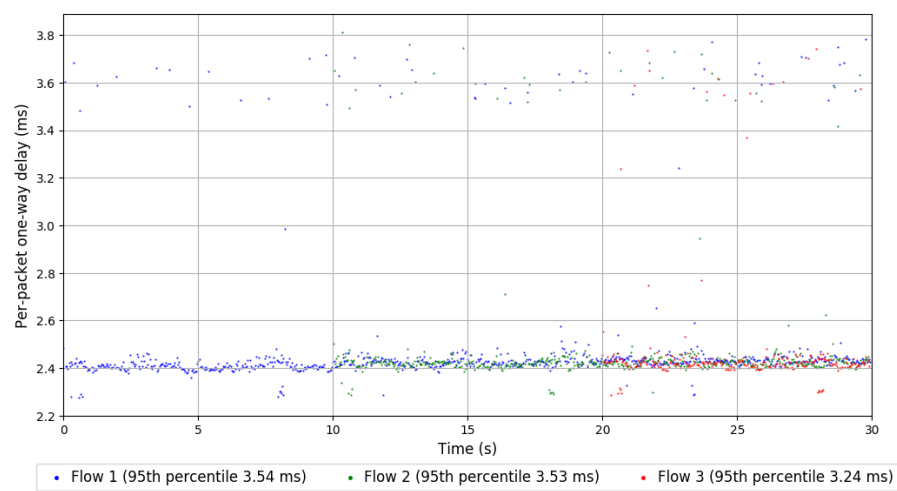
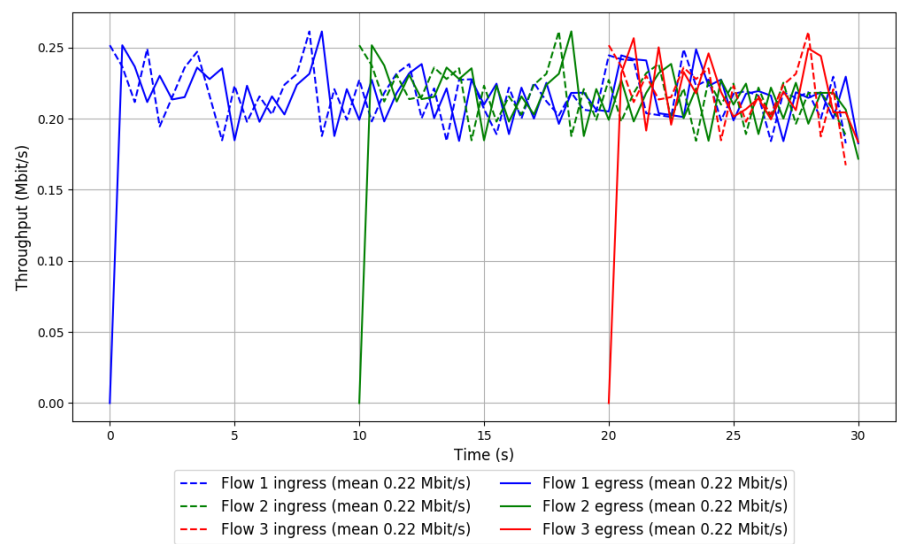


Run 3: Statistics of SReAM

Start at: 2018-07-10 21:12:19
End at: 2018-07-10 21:12:49
Local clock offset: -1.047 ms
Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-07-10 23:46:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 3.535 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.541 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.528 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.237 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

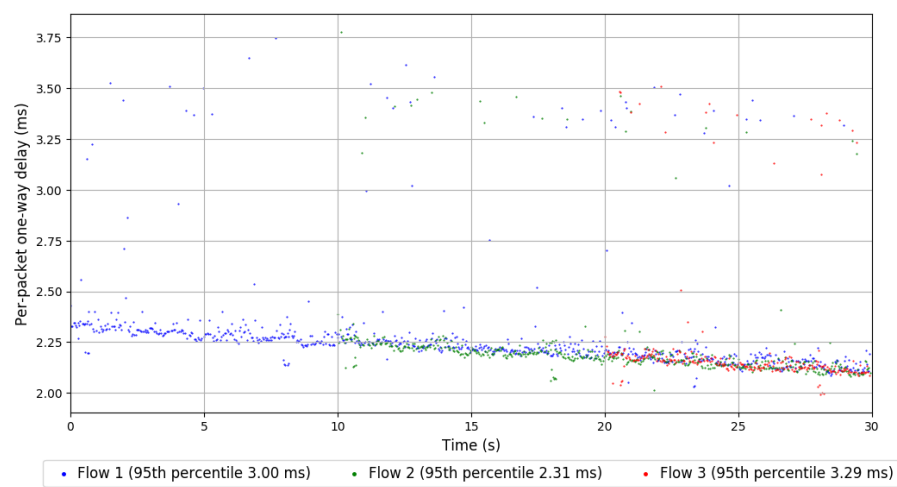
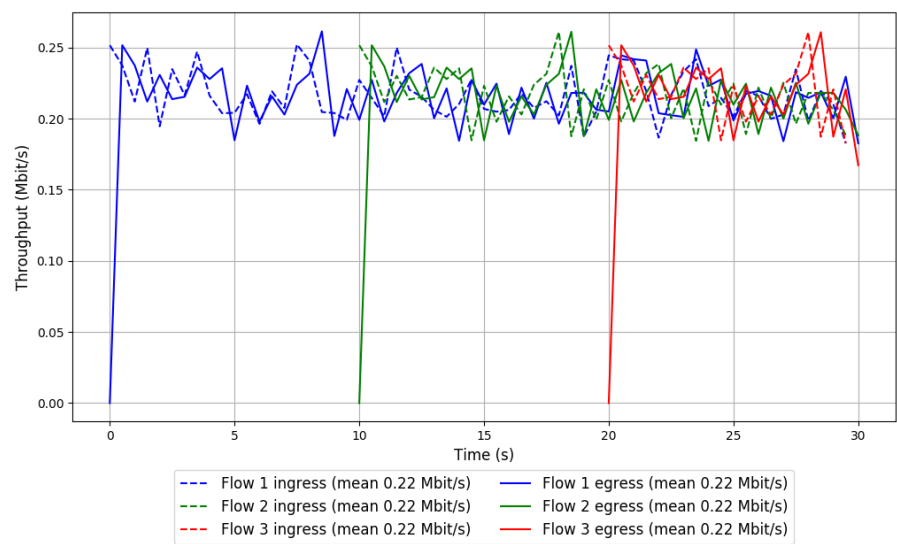


Run 4: Statistics of SReAM

Start at: 2018-07-10 21:31:28
End at: 2018-07-10 21:31:58
Local clock offset: -1.074 ms
Remote clock offset: -5.432 ms

Below is generated by plot.py at 2018-07-10 23:46:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.932 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.995 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.310 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.285 ms
Loss rate: 0.35%

Run 4: Report of SReAM — Data Link

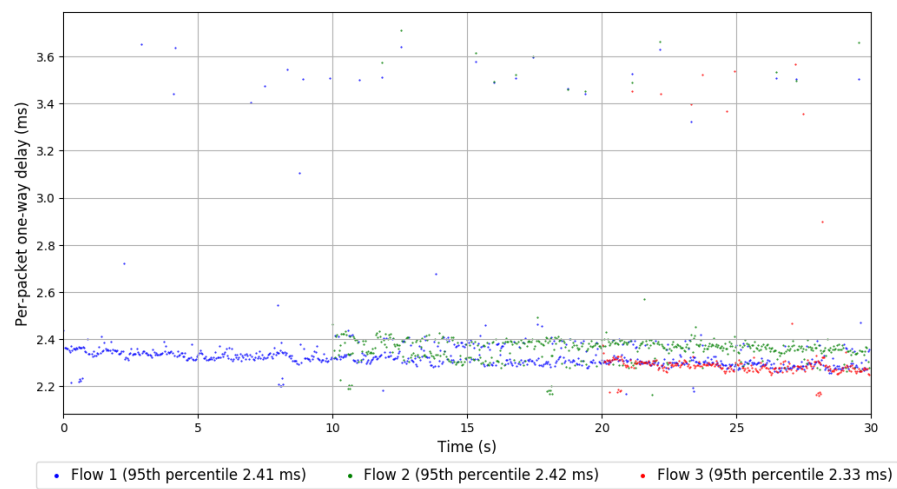
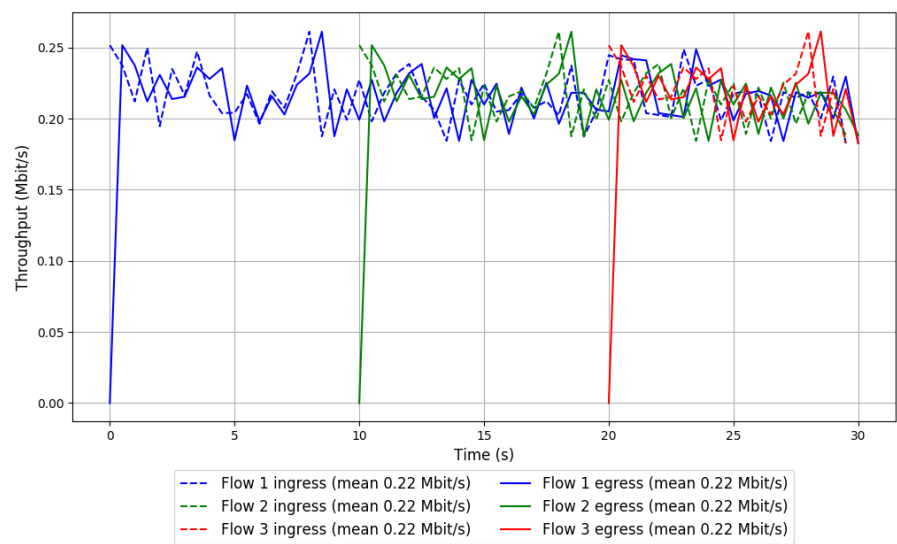


Run 5: Statistics of SReAM

Start at: 2018-07-10 21:50:36
End at: 2018-07-10 21:51:06
Local clock offset: -1.106 ms
Remote clock offset: -10.04 ms

Below is generated by plot.py at 2018-07-10 23:46:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.417 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.414 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.422 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.330 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

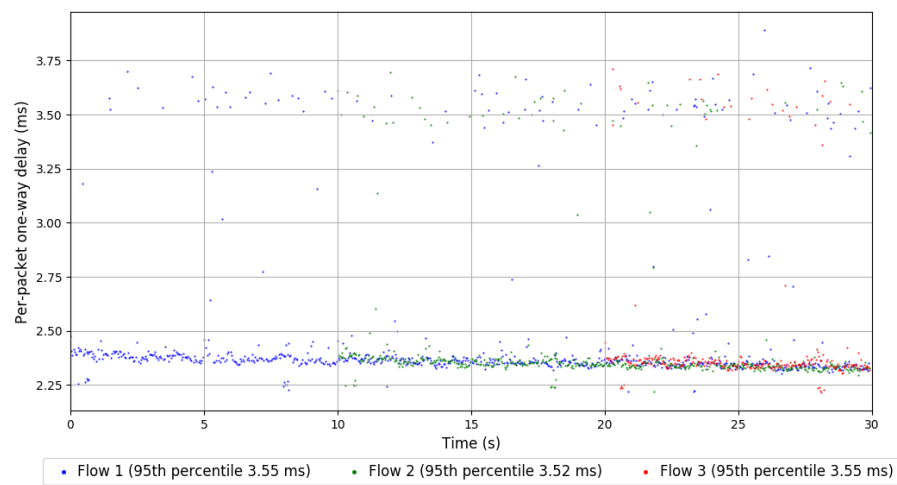
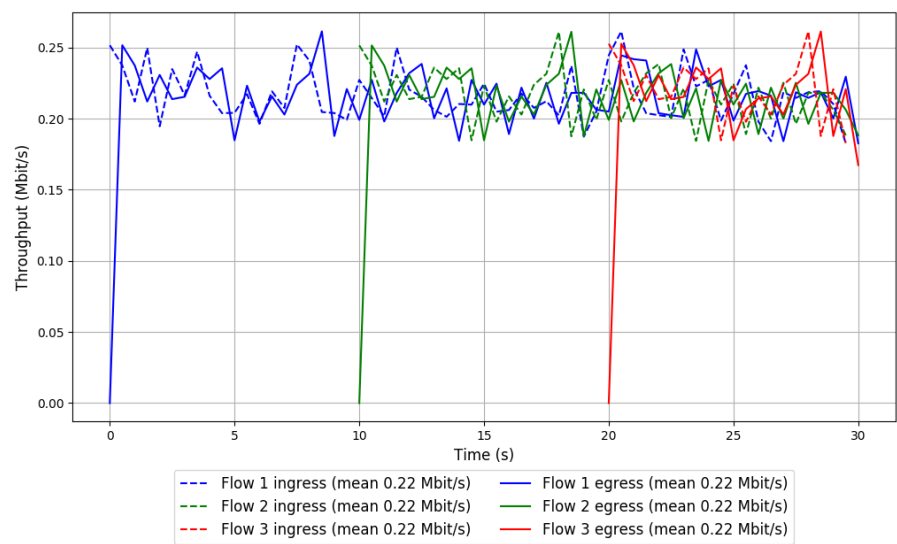


Run 6: Statistics of SReAM

Start at: 2018-07-10 22:09:41
End at: 2018-07-10 22:10:11
Local clock offset: -1.068 ms
Remote clock offset: -12.274 ms

Below is generated by plot.py at 2018-07-10 23:46:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 3.544 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.551 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.518 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.549 ms
Loss rate: 0.35%

Run 6: Report of SReAM — Data Link

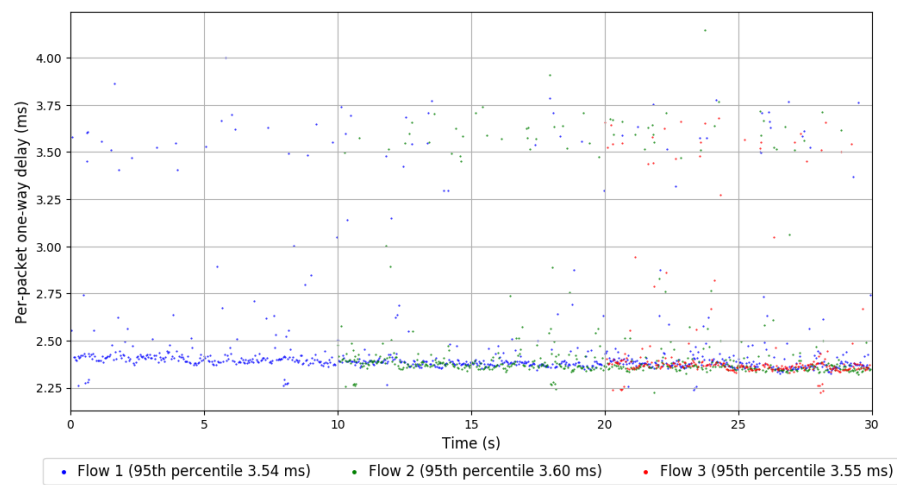
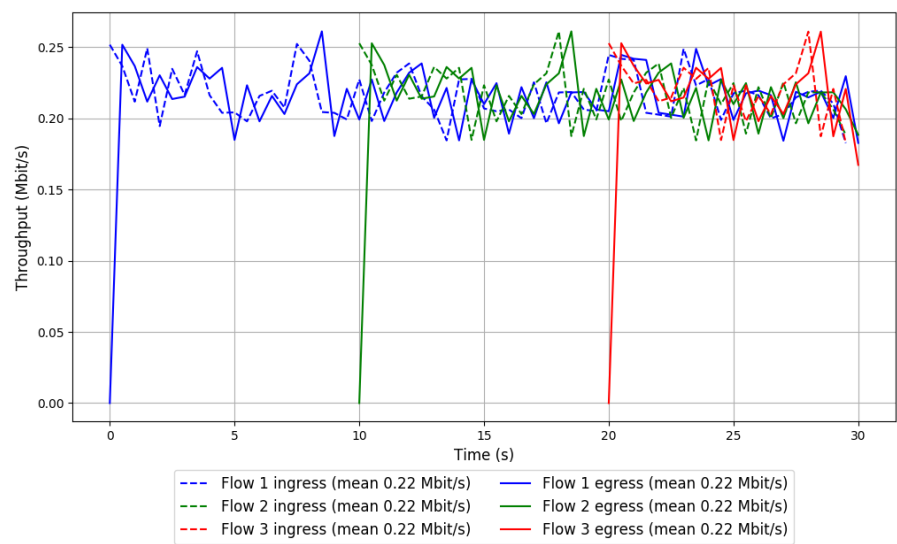


Run 7: Statistics of SReAM

Start at: 2018-07-10 22:28:46
End at: 2018-07-10 22:29:16
Local clock offset: -1.079 ms
Remote clock offset: -14.231 ms

Below is generated by plot.py at 2018-07-10 23:46:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 3.570 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.541 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.600 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.548 ms
Loss rate: 0.35%

Run 7: Report of SReAM — Data Link

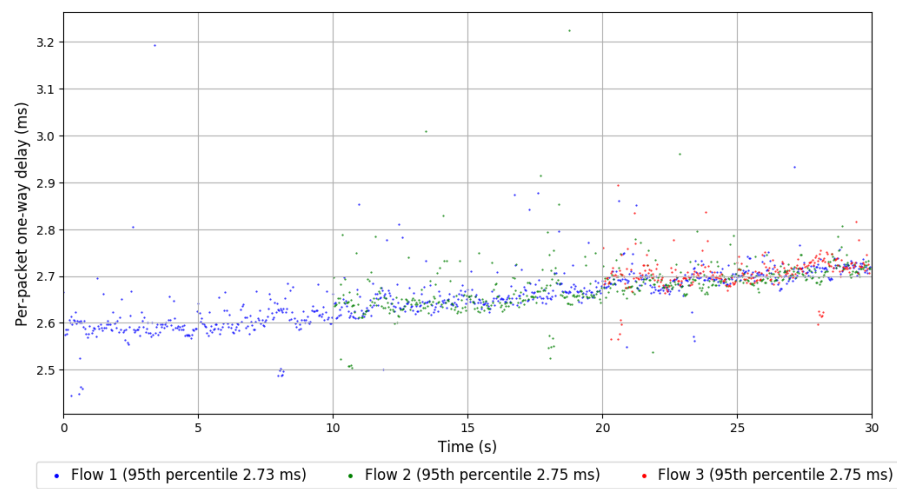
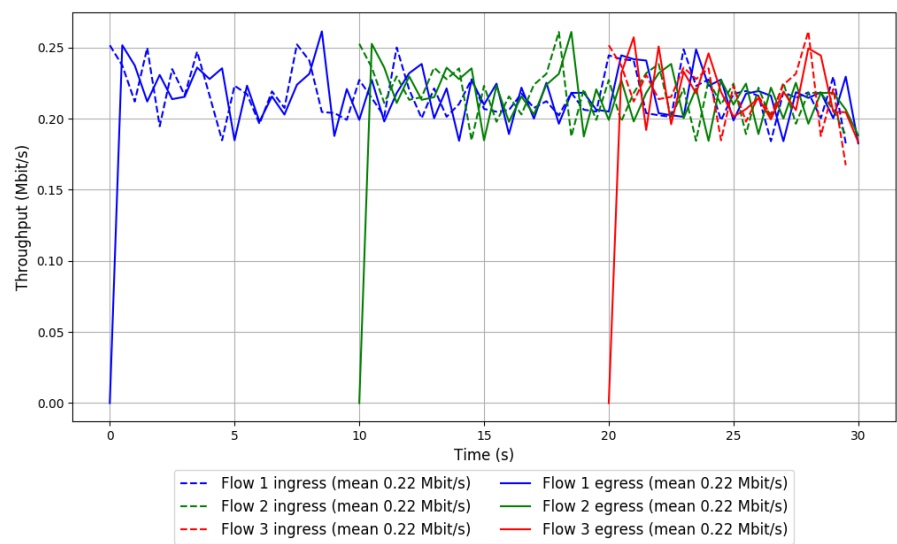


Run 8: Statistics of SReAM

Start at: 2018-07-10 22:47:51
End at: 2018-07-10 22:48:21
Local clock offset: -1.06 ms
Remote clock offset: -2.299 ms

Below is generated by plot.py at 2018-07-10 23:46:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.741 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.727 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.746 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.752 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

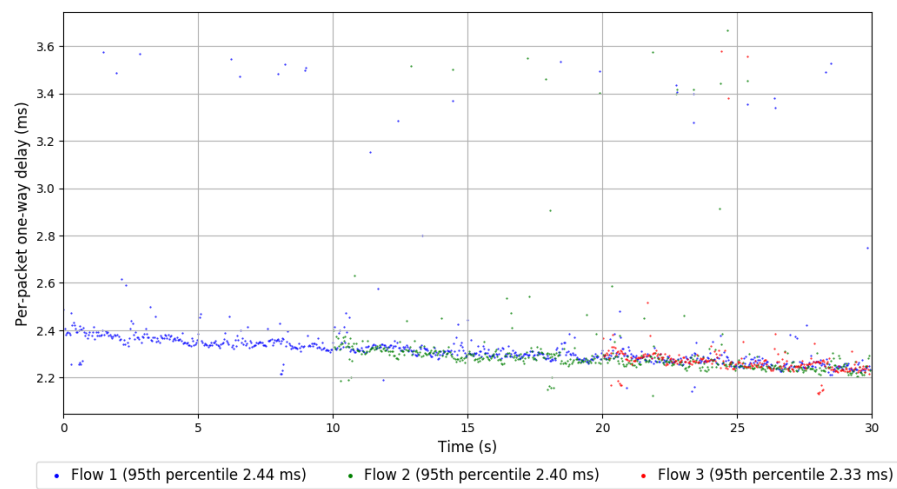
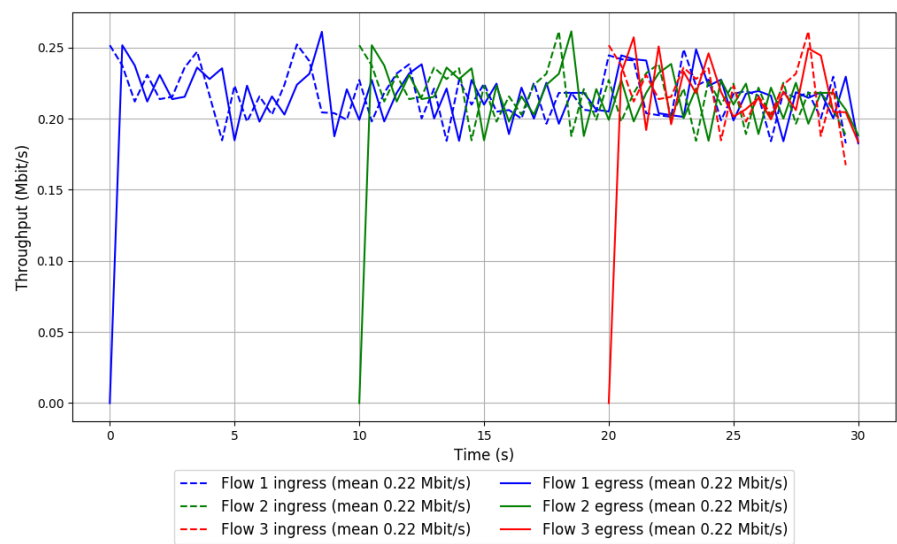


Run 9: Statistics of SReAM

Start at: 2018-07-10 23:07:01
End at: 2018-07-10 23:07:31
Local clock offset: -1.052 ms
Remote clock offset: 0.833 ms

Below is generated by plot.py at 2018-07-10 23:46:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.415 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.445 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.401 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.327 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

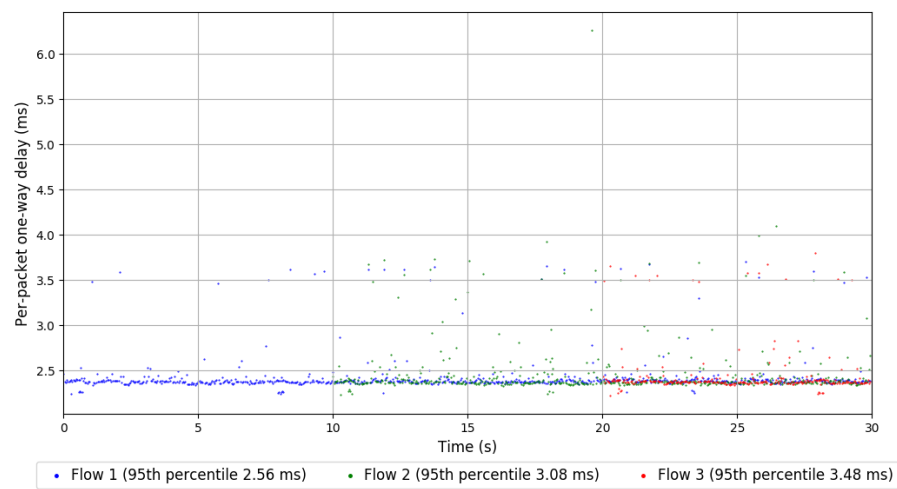
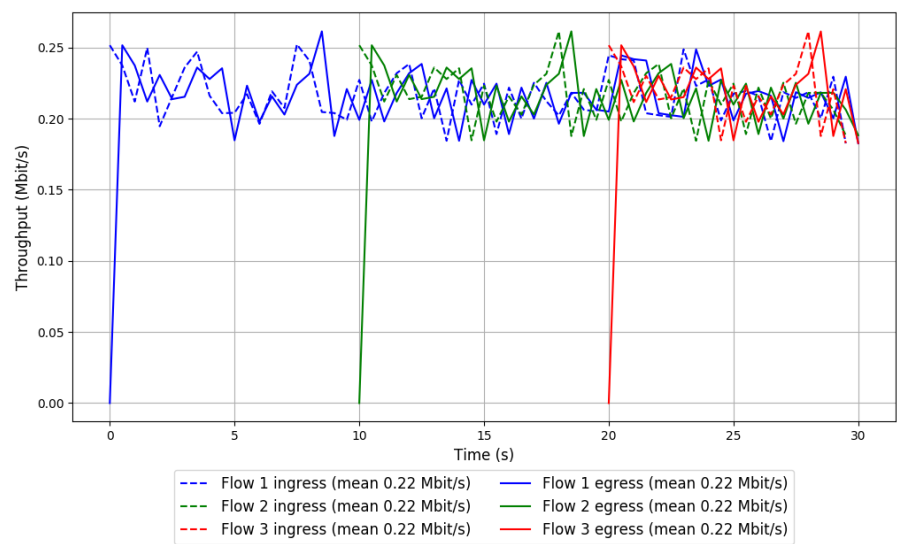


Run 10: Statistics of SReAM

Start at: 2018-07-10 23:26:10
End at: 2018-07-10 23:26:40
Local clock offset: -0.975 ms
Remote clock offset: -0.575 ms

Below is generated by plot.py at 2018-07-10 23:46:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.809 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.560 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.085 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.483 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

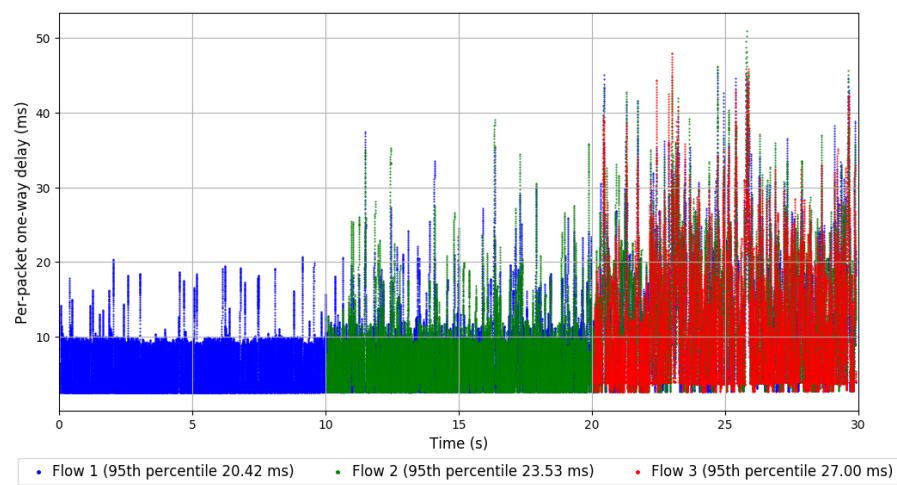
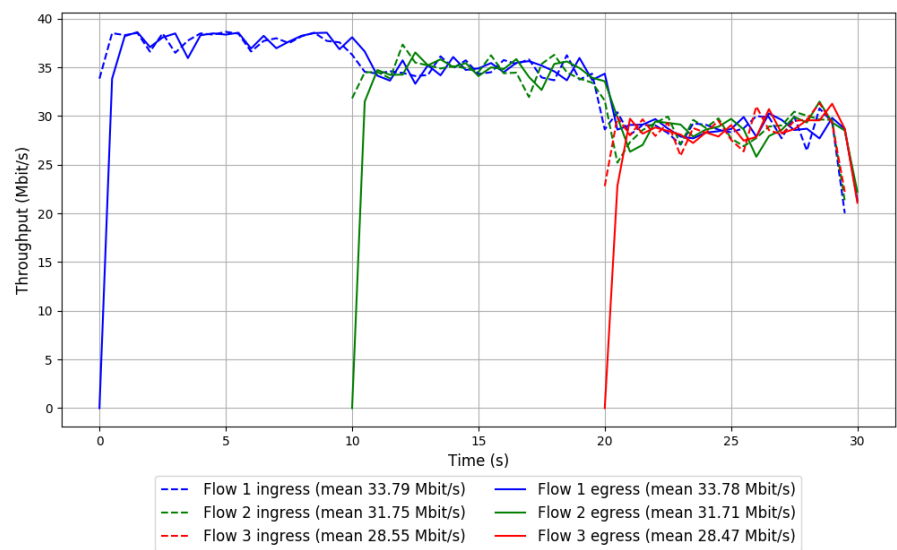


Run 1: Statistics of Sprout

Start at: 2018-07-10 20:18:13
End at: 2018-07-10 20:18:43
Local clock offset: -1.05 ms
Remote clock offset: -6.053 ms

Below is generated by plot.py at 2018-07-10 23:46:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.26 Mbit/s
95th percentile per-packet one-way delay: 22.915 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 33.78 Mbit/s
95th percentile per-packet one-way delay: 20.423 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 31.71 Mbit/s
95th percentile per-packet one-way delay: 23.530 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 28.47 Mbit/s
95th percentile per-packet one-way delay: 27.002 ms
Loss rate: 0.34%

Run 1: Report of Sprout — Data Link

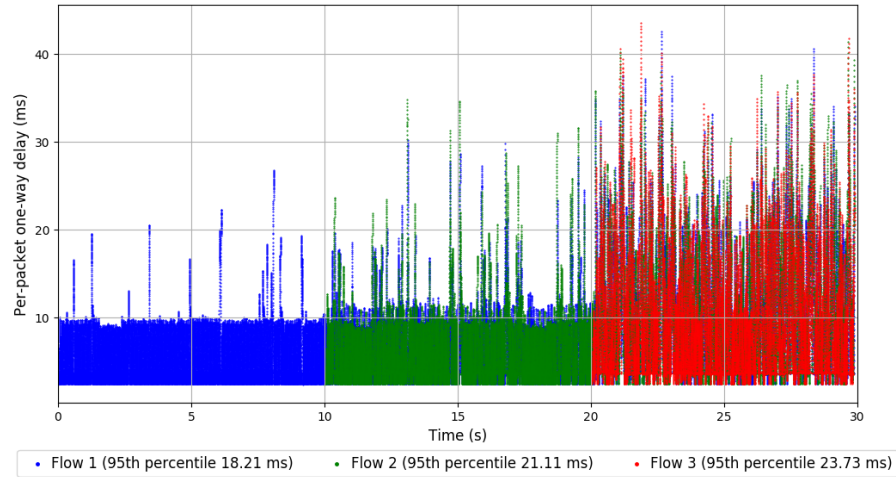
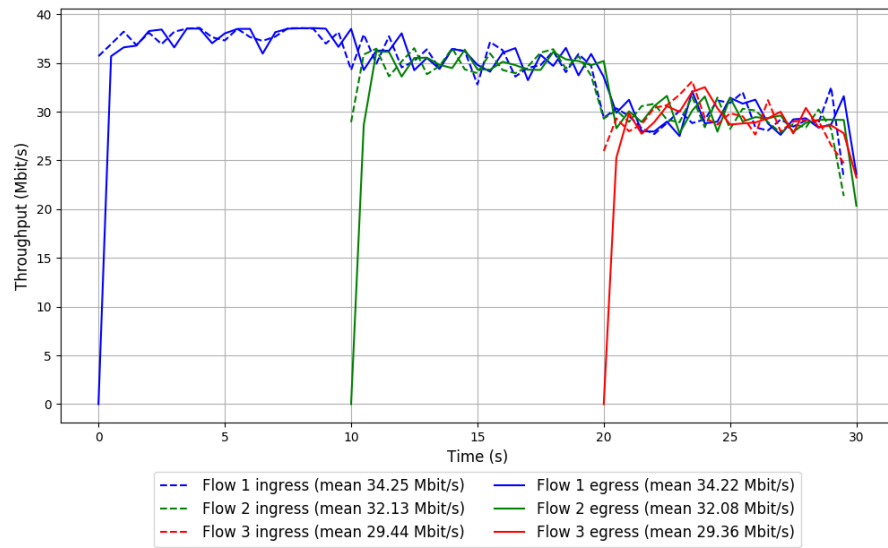


Run 2: Statistics of Sprout

Start at: 2018-07-10 20:37:21
End at: 2018-07-10 20:37:51
Local clock offset: -1.038 ms
Remote clock offset: -2.083 ms

Below is generated by plot.py at 2018-07-10 23:46:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.24 Mbit/s
95th percentile per-packet one-way delay: 20.435 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 34.22 Mbit/s
95th percentile per-packet one-way delay: 18.215 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 32.08 Mbit/s
95th percentile per-packet one-way delay: 21.113 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 29.36 Mbit/s
95th percentile per-packet one-way delay: 23.734 ms
Loss rate: 0.25%

Run 2: Report of Sprout — Data Link

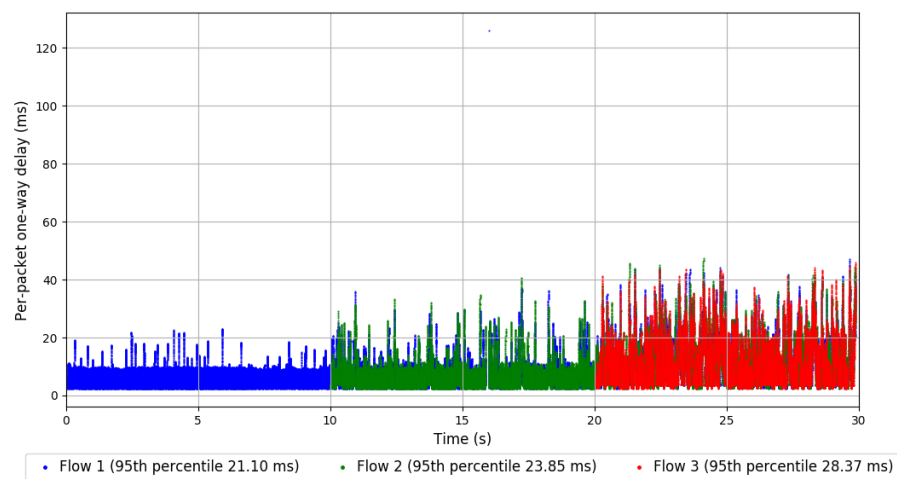
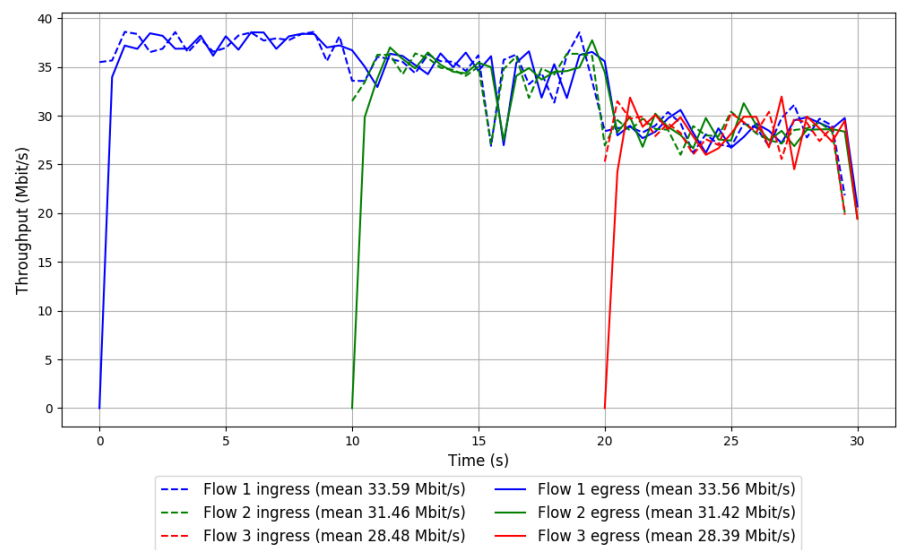


Run 3: Statistics of Sprout

Start at: 2018-07-10 20:56:30
End at: 2018-07-10 20:57:00
Local clock offset: -1.057 ms
Remote clock offset: -0.779 ms

```
# Below is generated by plot.py at 2018-07-10 23:47:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.82 Mbit/s
95th percentile per-packet one-way delay: 23.520 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 33.56 Mbit/s
95th percentile per-packet one-way delay: 21.098 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 31.42 Mbit/s
95th percentile per-packet one-way delay: 23.847 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 28.39 Mbit/s
95th percentile per-packet one-way delay: 28.373 ms
Loss rate: 0.22%
```

Run 3: Report of Sprout — Data Link

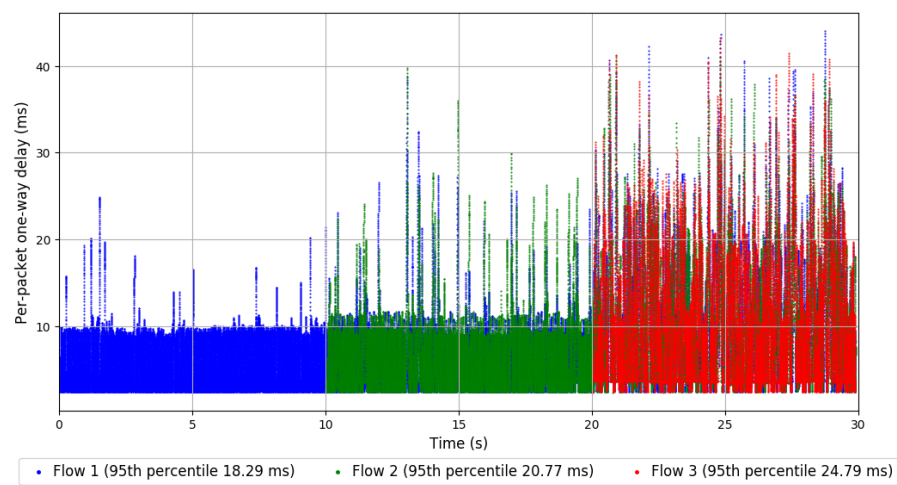
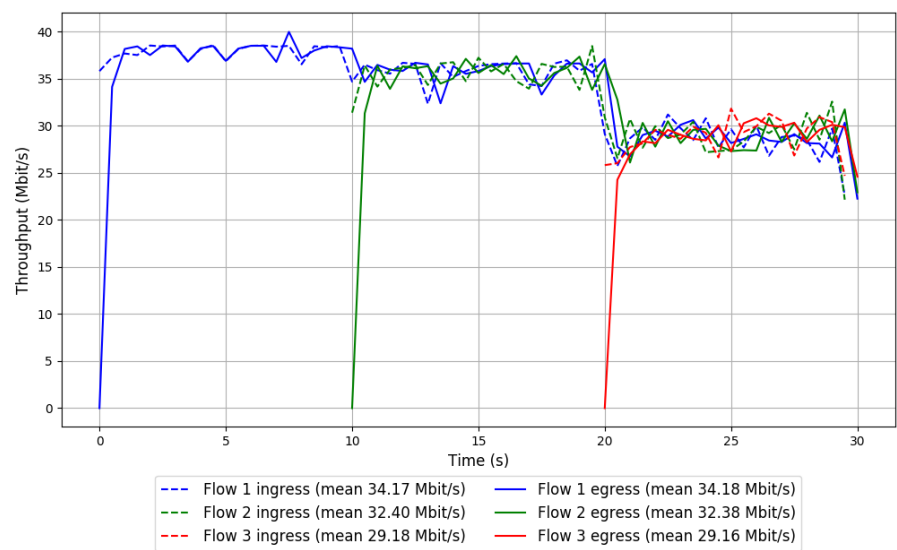


Run 4: Statistics of Sprout

Start at: 2018-07-10 21:15:39
End at: 2018-07-10 21:16:09
Local clock offset: -1.099 ms
Remote clock offset: 0.192 ms

```
# Below is generated by plot.py at 2018-07-10 23:47:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.31 Mbit/s
95th percentile per-packet one-way delay: 20.667 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 34.18 Mbit/s
95th percentile per-packet one-way delay: 18.292 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 32.38 Mbit/s
95th percentile per-packet one-way delay: 20.773 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 29.16 Mbit/s
95th percentile per-packet one-way delay: 24.793 ms
Loss rate: 0.31%
```

Run 4: Report of Sprout — Data Link

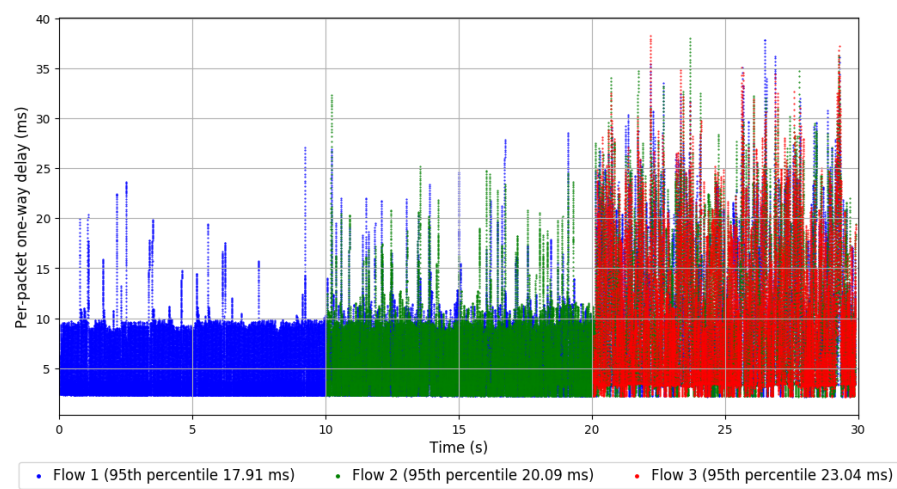
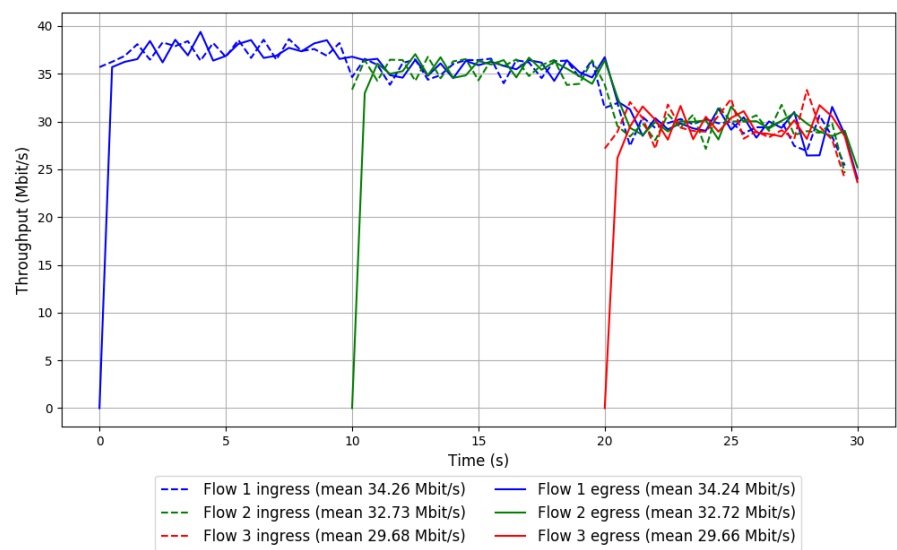


Run 5: Statistics of Sprout

Start at: 2018-07-10 21:34:46
End at: 2018-07-10 21:35:16
Local clock offset: -1.165 ms
Remote clock offset: -6.814 ms

Below is generated by plot.py at 2018-07-10 23:47:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.78 Mbit/s
95th percentile per-packet one-way delay: 19.859 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 34.24 Mbit/s
95th percentile per-packet one-way delay: 17.910 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 32.72 Mbit/s
95th percentile per-packet one-way delay: 20.091 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 29.66 Mbit/s
95th percentile per-packet one-way delay: 23.040 ms
Loss rate: 0.10%

Run 5: Report of Sprout — Data Link

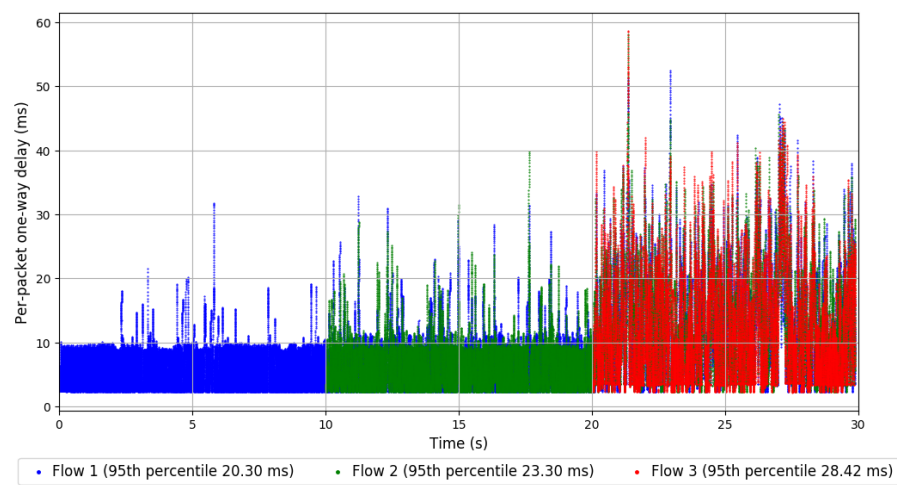
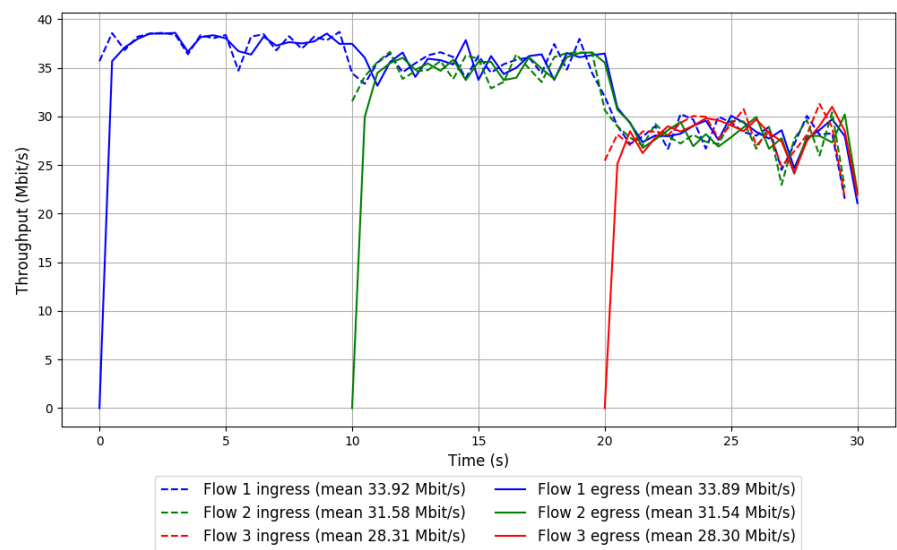


Run 6: Statistics of Sprout

Start at: 2018-07-10 21:53:54
End at: 2018-07-10 21:54:24
Local clock offset: -1.109 ms
Remote clock offset: -10.496 ms

Below is generated by plot.py at 2018-07-10 23:47:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.21 Mbit/s
95th percentile per-packet one-way delay: 23.137 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 33.89 Mbit/s
95th percentile per-packet one-way delay: 20.301 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 31.54 Mbit/s
95th percentile per-packet one-way delay: 23.304 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 28.30 Mbit/s
95th percentile per-packet one-way delay: 28.419 ms
Loss rate: 0.10%

Run 6: Report of Sprout — Data Link

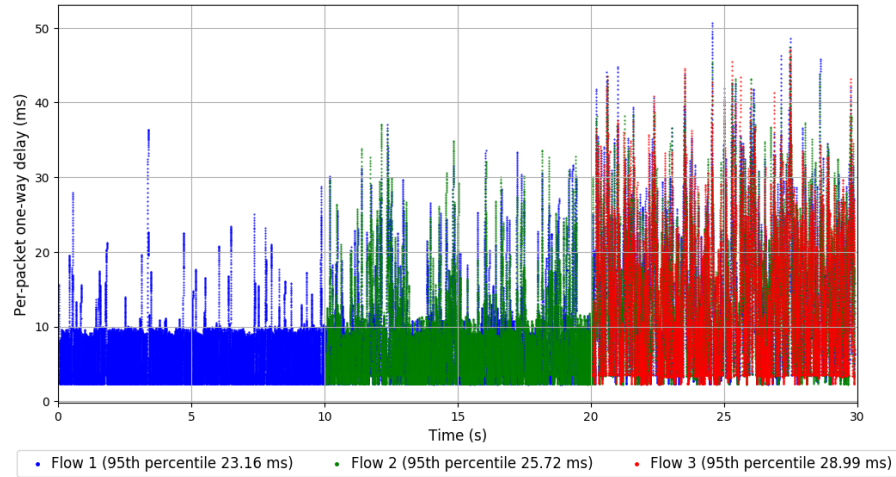
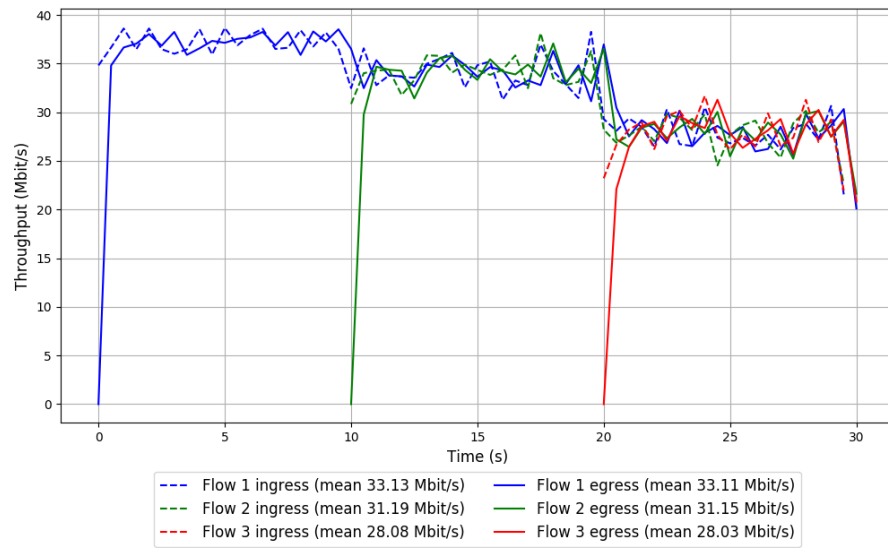


Run 7: Statistics of Sprout

Start at: 2018-07-10 22:12:59
End at: 2018-07-10 22:13:29
Local clock offset: -1.075 ms
Remote clock offset: -12.566 ms

Below is generated by plot.py at 2018-07-10 23:47:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.06 Mbit/s
95th percentile per-packet one-way delay: 25.284 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 33.11 Mbit/s
95th percentile per-packet one-way delay: 23.159 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 25.716 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 28.03 Mbit/s
95th percentile per-packet one-way delay: 28.992 ms
Loss rate: 0.32%

Run 7: Report of Sprout — Data Link

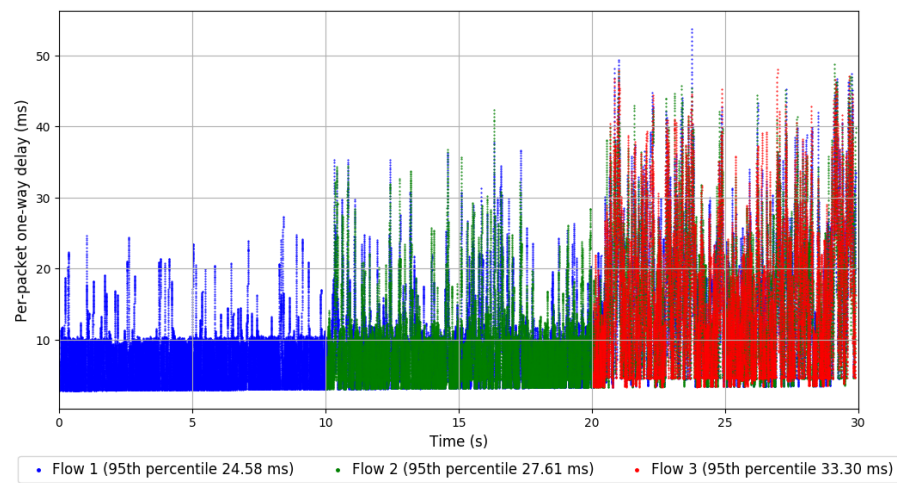
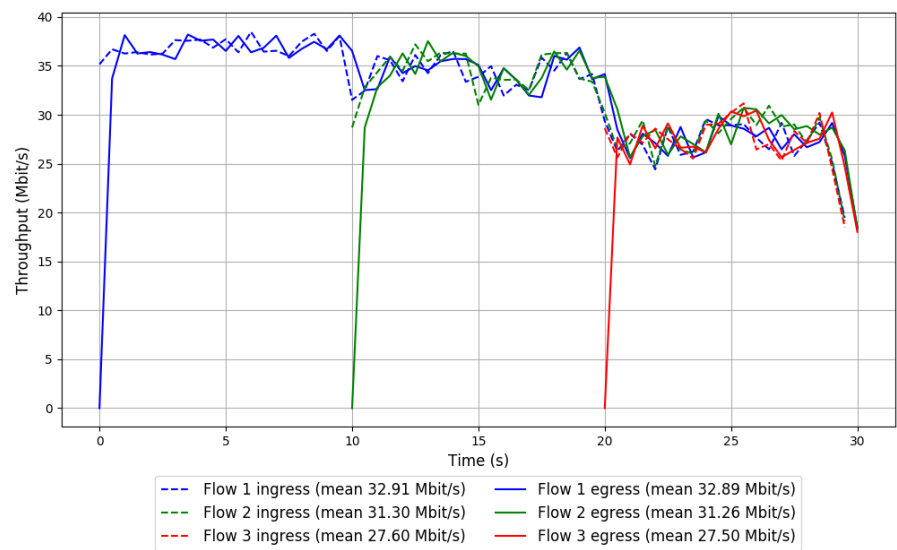


Run 8: Statistics of Sprout

Start at: 2018-07-10 22:32:03
End at: 2018-07-10 22:32:33
Local clock offset: -1.081 ms
Remote clock offset: -13.49 ms

Below is generated by plot.py at 2018-07-10 23:47:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.75 Mbit/s
95th percentile per-packet one-way delay: 27.660 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 32.89 Mbit/s
95th percentile per-packet one-way delay: 24.580 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: 27.606 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 27.50 Mbit/s
95th percentile per-packet one-way delay: 33.303 ms
Loss rate: 0.26%

Run 8: Report of Sprout — Data Link

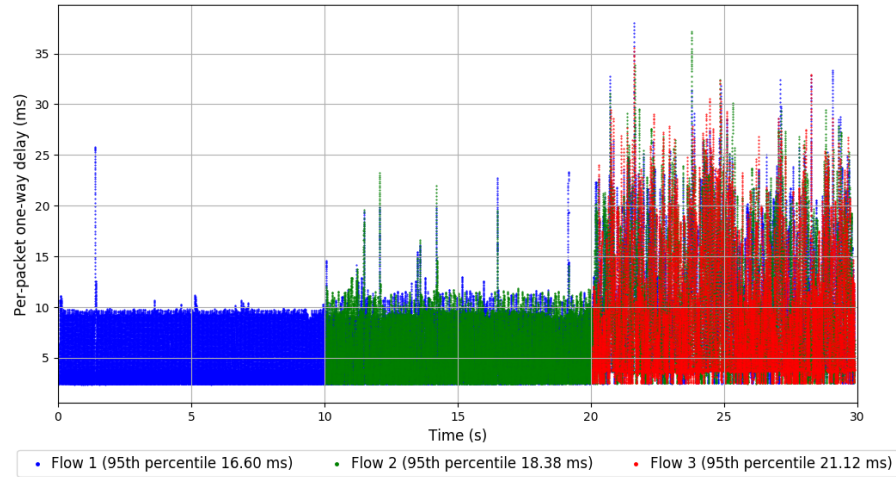
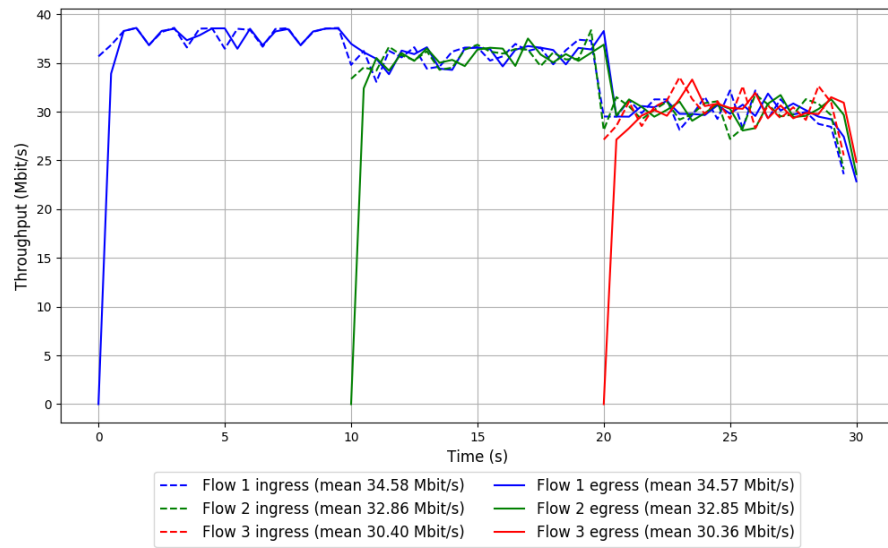


Run 9: Statistics of Sprout

Start at: 2018-07-10 22:51:11
End at: 2018-07-10 22:51:41
Local clock offset: -1.057 ms
Remote clock offset: -1.148 ms

Below is generated by plot.py at 2018-07-10 23:47:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.43 Mbit/s
95th percentile per-packet one-way delay: 18.339 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 34.57 Mbit/s
95th percentile per-packet one-way delay: 16.598 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 32.85 Mbit/s
95th percentile per-packet one-way delay: 18.380 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 30.36 Mbit/s
95th percentile per-packet one-way delay: 21.121 ms
Loss rate: 0.31%

Run 9: Report of Sprout — Data Link

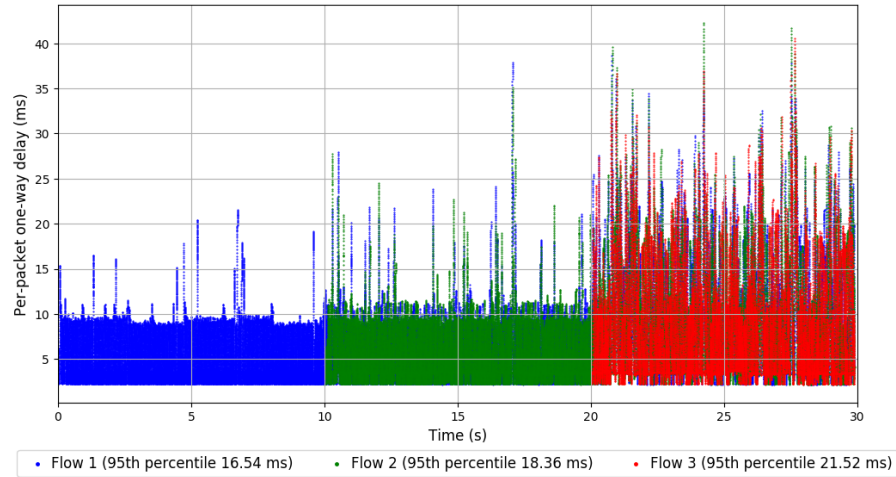
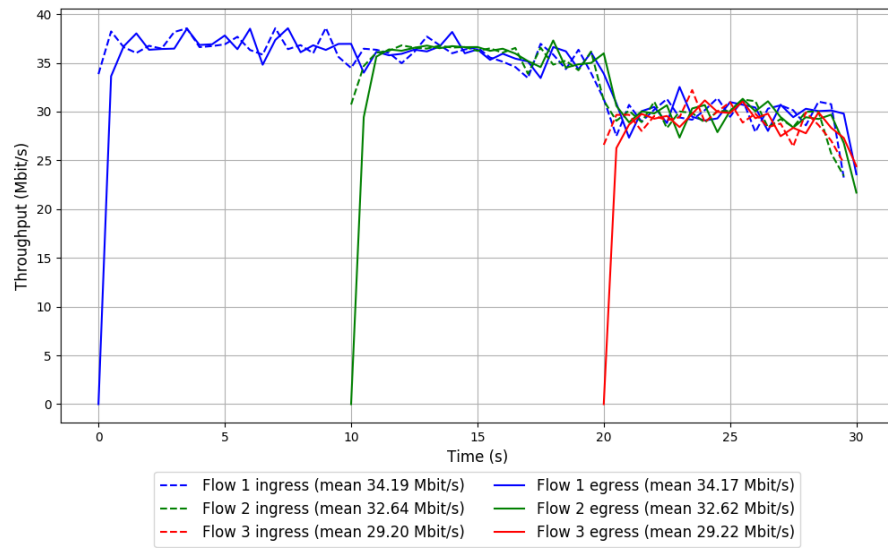


Run 10: Statistics of Sprout

Start at: 2018-07-10 23:10:21
End at: 2018-07-10 23:10:51
Local clock offset: -1.089 ms
Remote clock offset: 0.137 ms

Below is generated by plot.py at 2018-07-10 23:47:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.50 Mbit/s
95th percentile per-packet one-way delay: 18.287 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 34.17 Mbit/s
95th percentile per-packet one-way delay: 16.543 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 32.62 Mbit/s
95th percentile per-packet one-way delay: 18.362 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 29.22 Mbit/s
95th percentile per-packet one-way delay: 21.518 ms
Loss rate: 0.06%

Run 10: Report of Sprout — Data Link

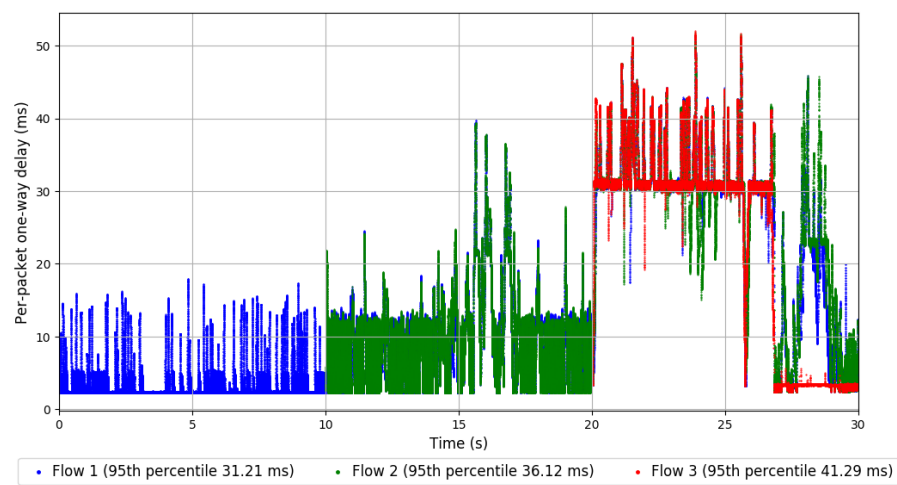
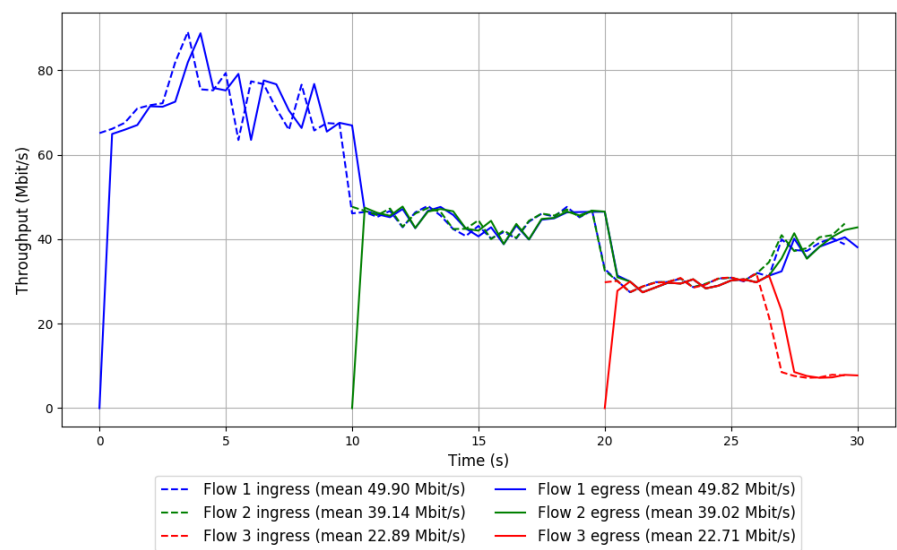


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-10 20:29:32
End at: 2018-07-10 20:30:02
Local clock offset: -1.118 ms
Remote clock offset: -2.982 ms

# Below is generated by plot.py at 2018-07-10 23:48:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.36 Mbit/s
95th percentile per-packet one-way delay: 35.069 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 49.82 Mbit/s
95th percentile per-packet one-way delay: 31.210 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 39.02 Mbit/s
95th percentile per-packet one-way delay: 36.118 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 22.71 Mbit/s
95th percentile per-packet one-way delay: 41.288 ms
Loss rate: 0.85%
```

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

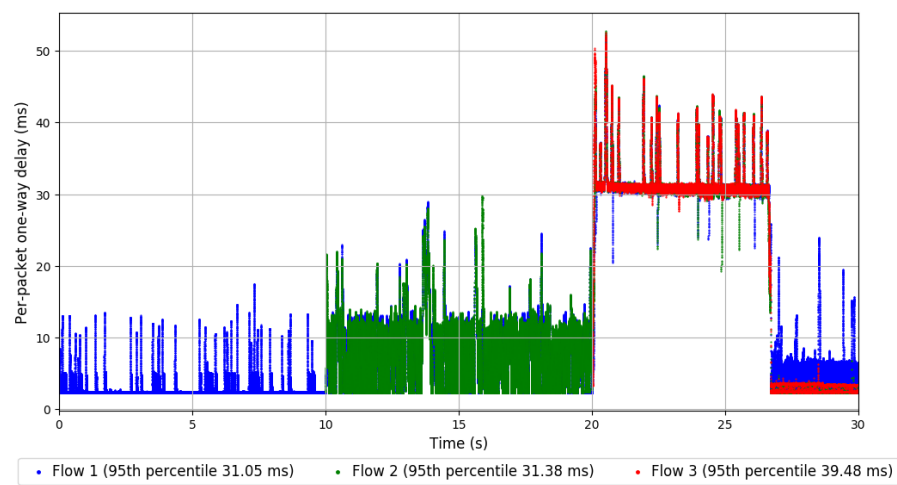
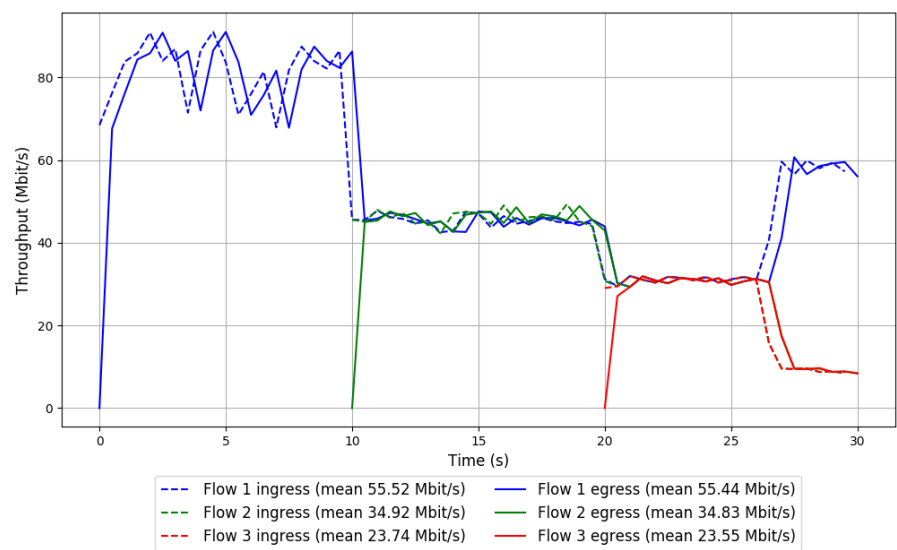


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-10 20:48:41
End at: 2018-07-10 20:49:11
Local clock offset: -1.044 ms
Remote clock offset: -1.226 ms

Below is generated by plot.py at 2018-07-10 23:48:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.46 Mbit/s
95th percentile per-packet one-way delay: 31.306 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 55.44 Mbit/s
95th percentile per-packet one-way delay: 31.053 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 34.83 Mbit/s
95th percentile per-packet one-way delay: 31.375 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 23.55 Mbit/s
95th percentile per-packet one-way delay: 39.484 ms
Loss rate: 0.86%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-10 21:07:50

End at: 2018-07-10 21:08:20

Local clock offset: -1.112 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2018-07-10 23:48:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.91 Mbit/s

95th percentile per-packet one-way delay: 35.021 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 44.88 Mbit/s

95th percentile per-packet one-way delay: 31.233 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 30.83 Mbit/s

95th percentile per-packet one-way delay: 38.002 ms

Loss rate: 0.17%

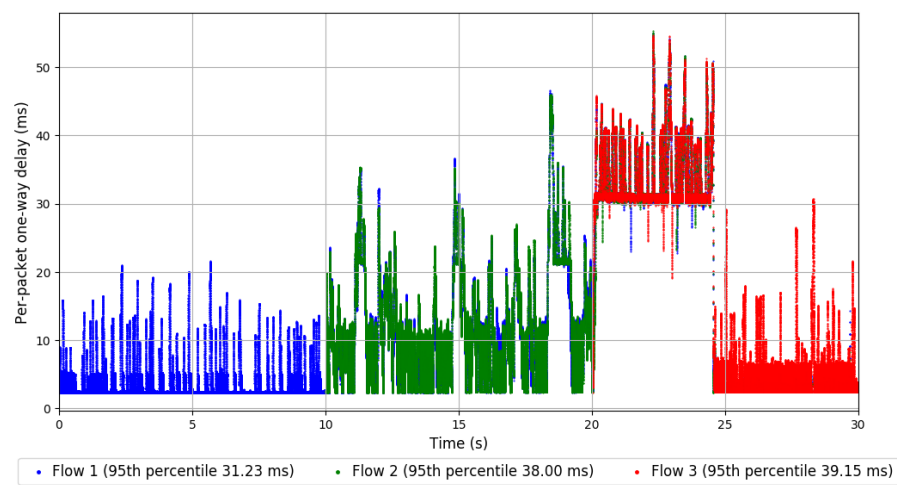
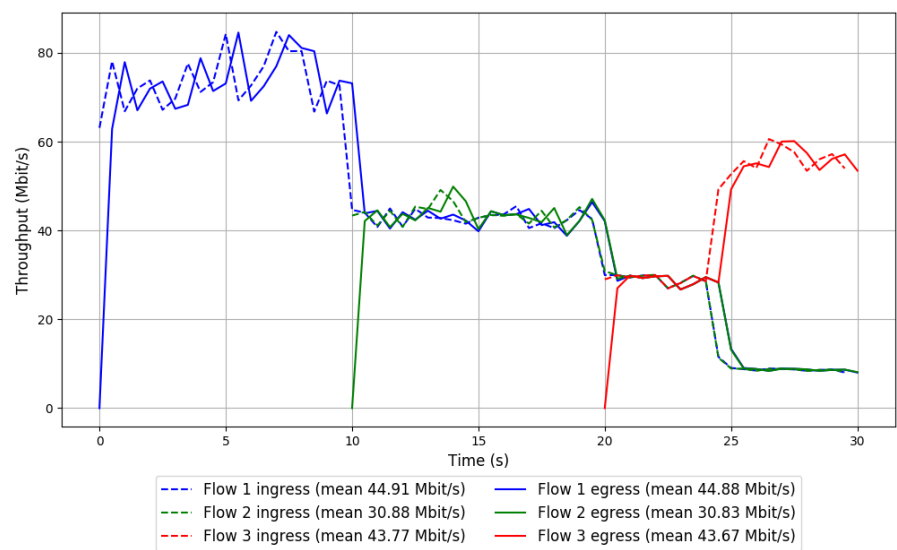
-- Flow 3:

Average throughput: 43.67 Mbit/s

95th percentile per-packet one-way delay: 39.151 ms

Loss rate: 0.28%

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

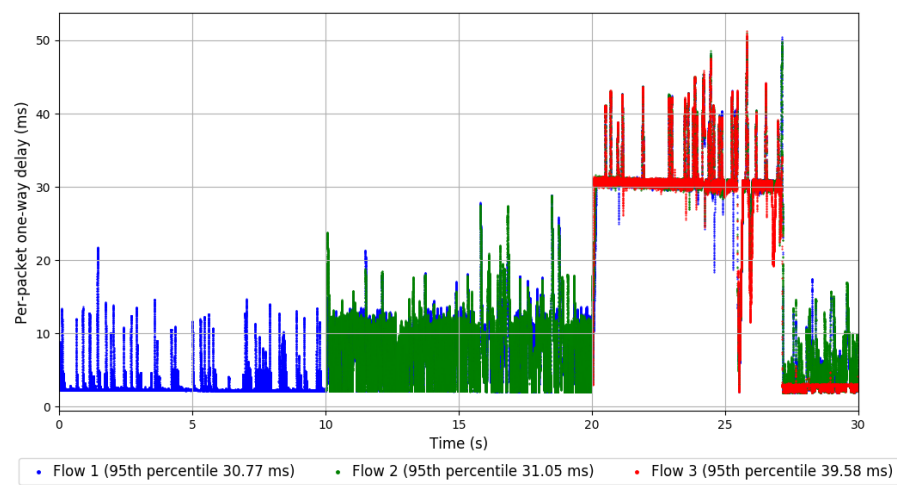
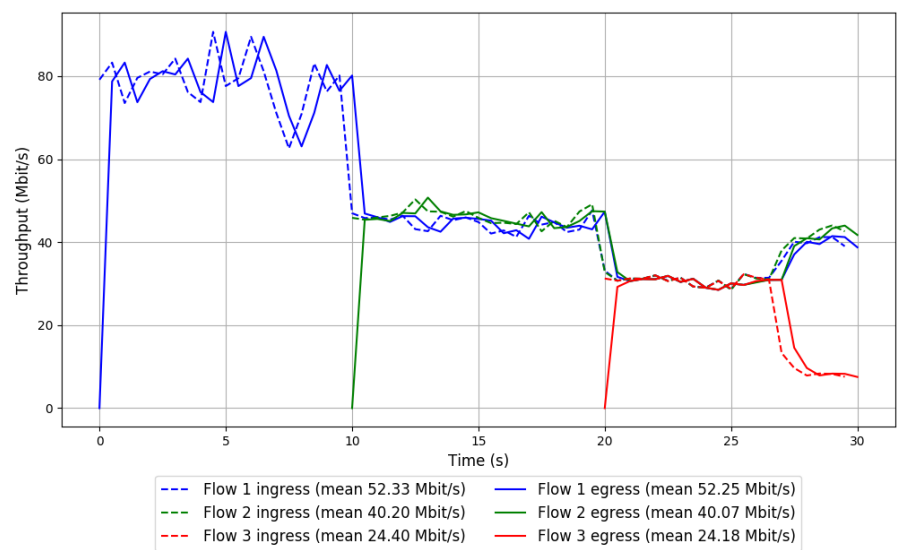


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-10 21:26:59
End at: 2018-07-10 21:27:29
Local clock offset: -1.078 ms
Remote clock offset: -2.873 ms

Below is generated by plot.py at 2018-07-10 23:49:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.97 Mbit/s
95th percentile per-packet one-way delay: 31.006 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 52.25 Mbit/s
95th percentile per-packet one-way delay: 30.768 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 40.07 Mbit/s
95th percentile per-packet one-way delay: 31.050 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 39.579 ms
Loss rate: 0.93%

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

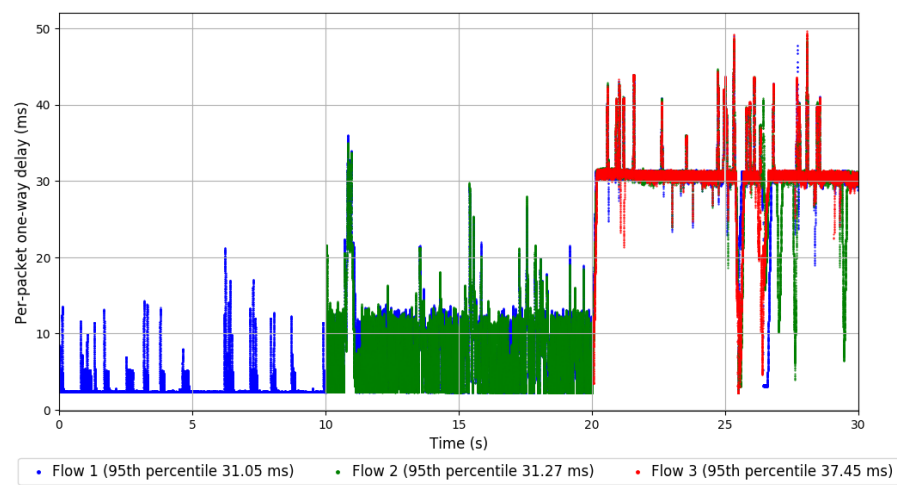
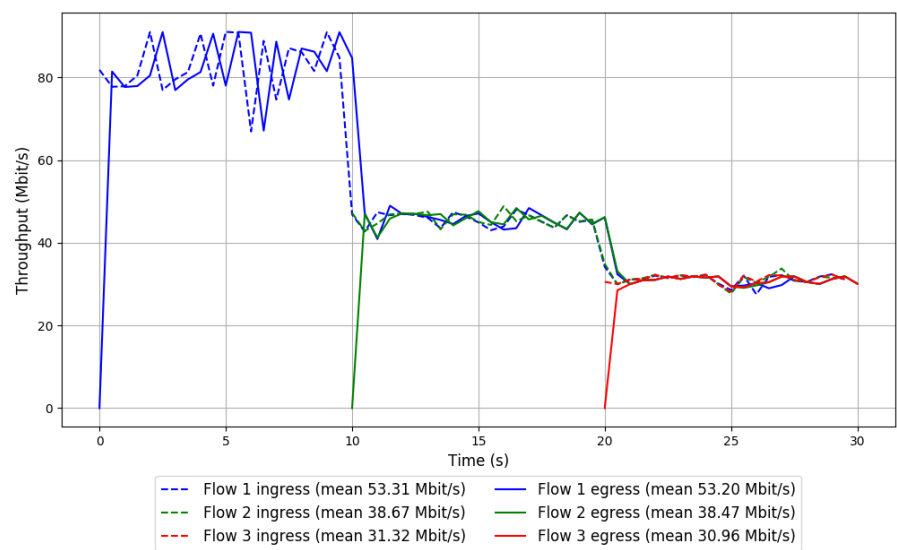


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-10 21:46:07
End at: 2018-07-10 21:46:37
Local clock offset: -1.132 ms
Remote clock offset: -9.391 ms

Below is generated by plot.py at 2018-07-10 23:49:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.10 Mbit/s
95th percentile per-packet one-way delay: 31.216 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 53.20 Mbit/s
95th percentile per-packet one-way delay: 31.049 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 38.47 Mbit/s
95th percentile per-packet one-way delay: 31.275 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 30.96 Mbit/s
95th percentile per-packet one-way delay: 37.452 ms
Loss rate: 1.39%

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

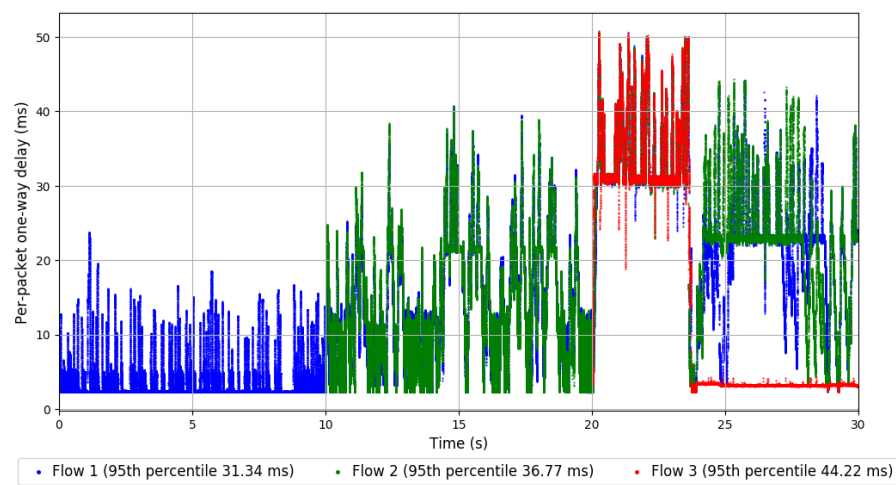
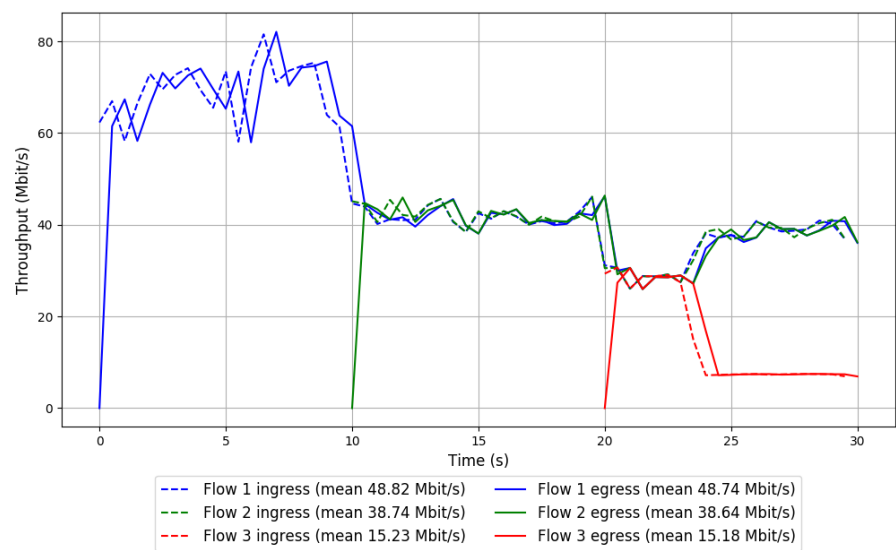


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-10 22:05:13
End at: 2018-07-10 22:05:43
Local clock offset: -1.087 ms
Remote clock offset: -11.759 ms

Below is generated by plot.py at 2018-07-10 23:49:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.52 Mbit/s
95th percentile per-packet one-way delay: 35.373 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 48.74 Mbit/s
95th percentile per-packet one-way delay: 31.338 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 38.64 Mbit/s
95th percentile per-packet one-way delay: 36.773 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 15.18 Mbit/s
95th percentile per-packet one-way delay: 44.216 ms
Loss rate: 0.38%

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

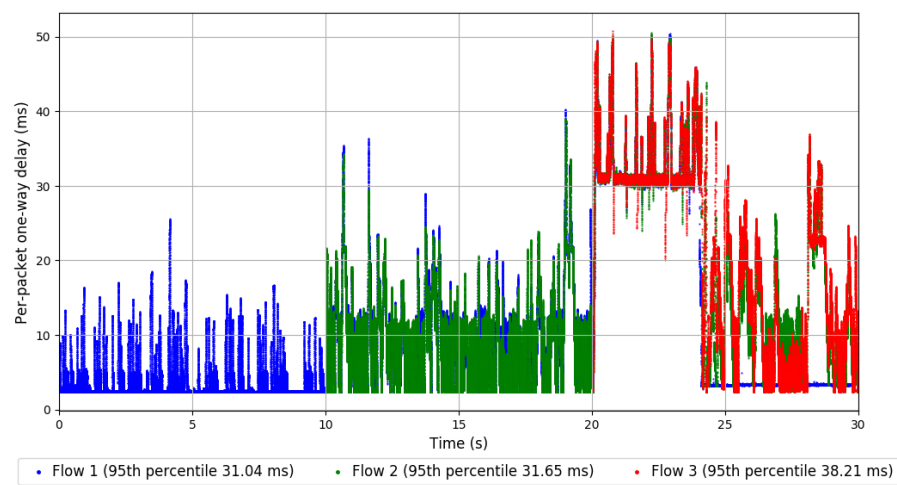
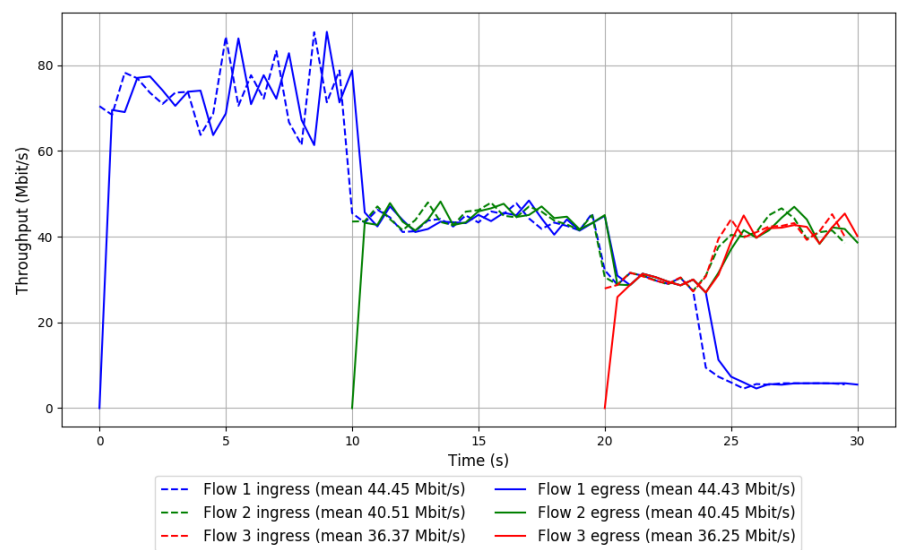


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-10 22:24:17
End at: 2018-07-10 22:24:48
Local clock offset: -1.081 ms
Remote clock offset: -13.778 ms

Below is generated by plot.py at 2018-07-10 23:49:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.39 Mbit/s
95th percentile per-packet one-way delay: 31.421 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 44.43 Mbit/s
95th percentile per-packet one-way delay: 31.040 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 31.654 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 38.207 ms
Loss rate: 0.40%

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

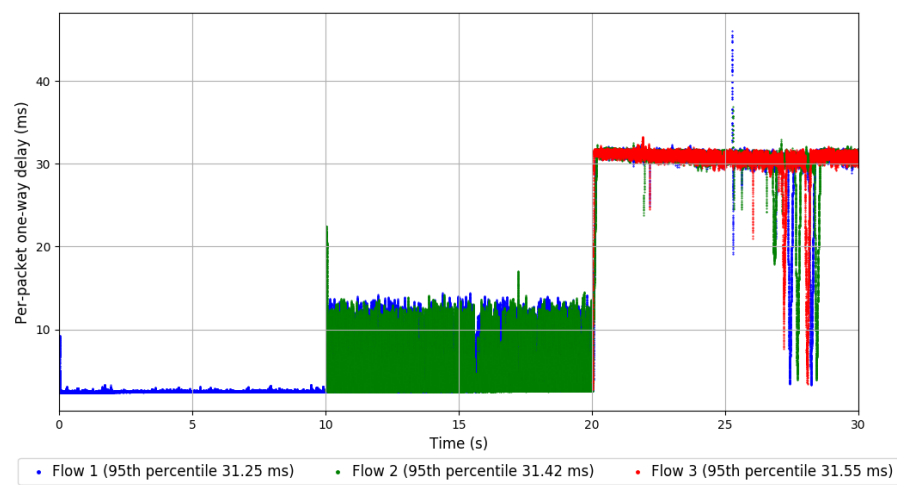
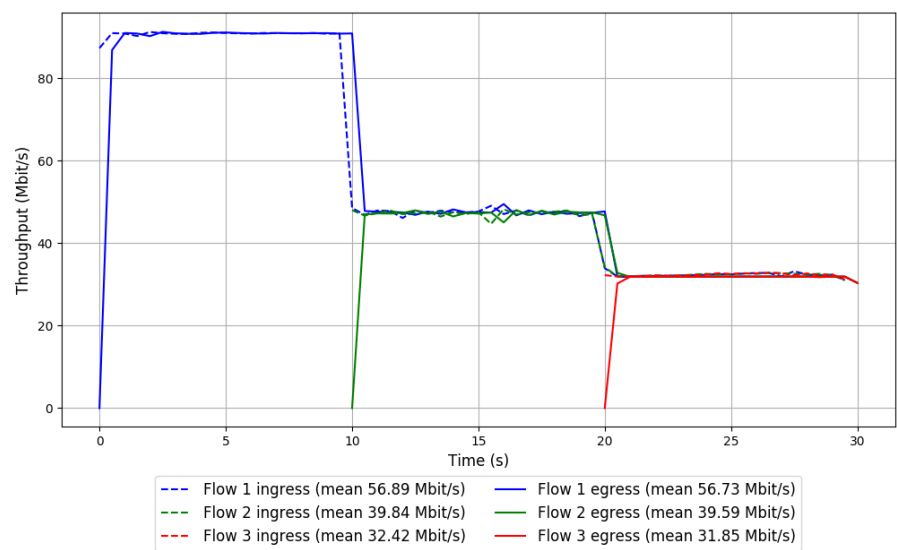


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-10 22:43:22
End at: 2018-07-10 22:43:52
Local clock offset: -1.054 ms
Remote clock offset: -3.825 ms

Below is generated by plot.py at 2018-07-10 23:49:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.68 Mbit/s
95th percentile per-packet one-way delay: 31.382 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 56.73 Mbit/s
95th percentile per-packet one-way delay: 31.246 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 39.59 Mbit/s
95th percentile per-packet one-way delay: 31.418 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 31.555 ms
Loss rate: 1.84%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-10 23:02:32

End at: 2018-07-10 23:03:02

Local clock offset: -1.038 ms

Remote clock offset: 0.998 ms

Below is generated by plot.py at 2018-07-10 23:50:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.94 Mbit/s

95th percentile per-packet one-way delay: 31.367 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 54.51 Mbit/s

95th percentile per-packet one-way delay: 31.212 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 39.06 Mbit/s

95th percentile per-packet one-way delay: 31.403 ms

Loss rate: 0.43%

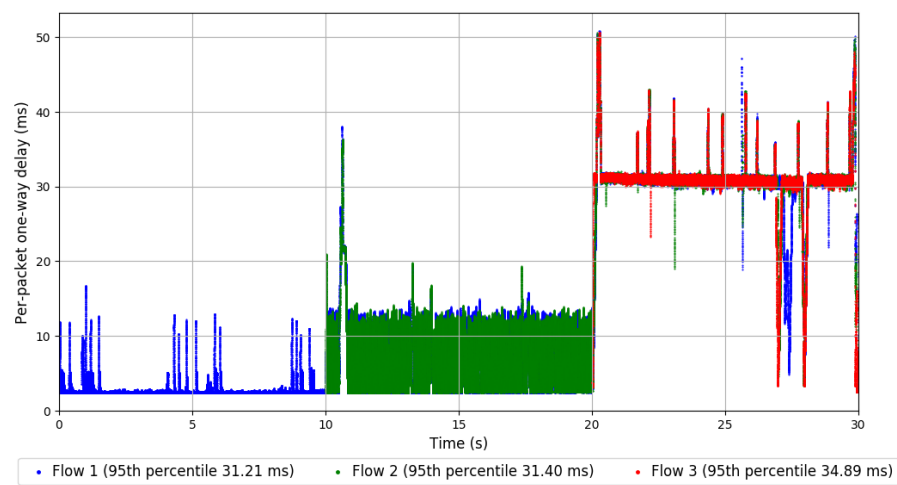
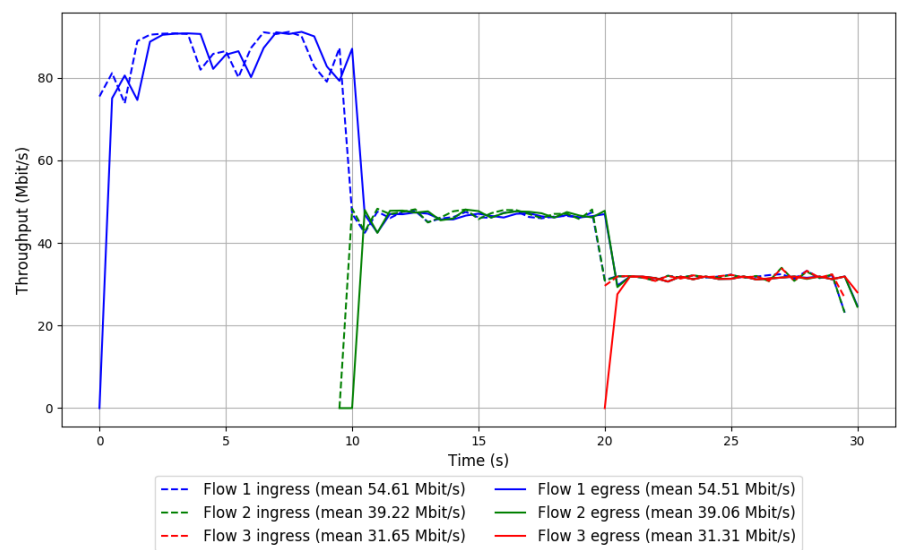
-- Flow 3:

Average throughput: 31.31 Mbit/s

95th percentile per-packet one-way delay: 34.890 ms

Loss rate: 1.12%

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

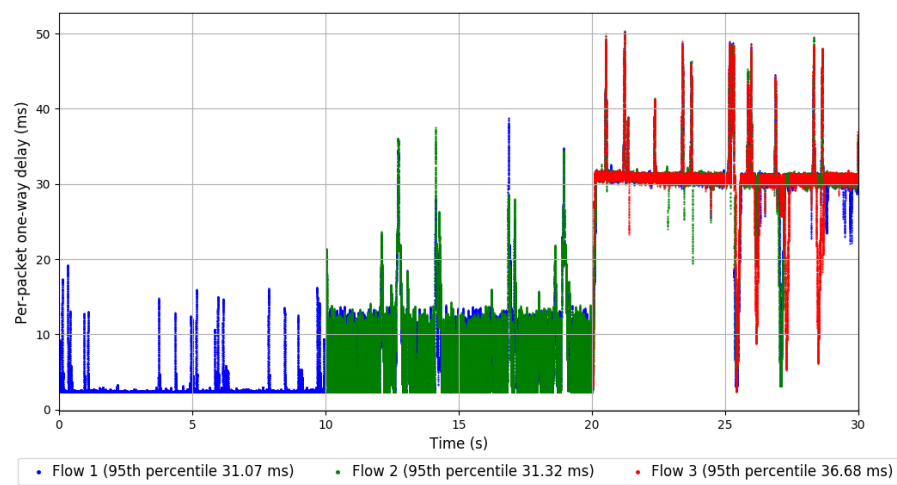
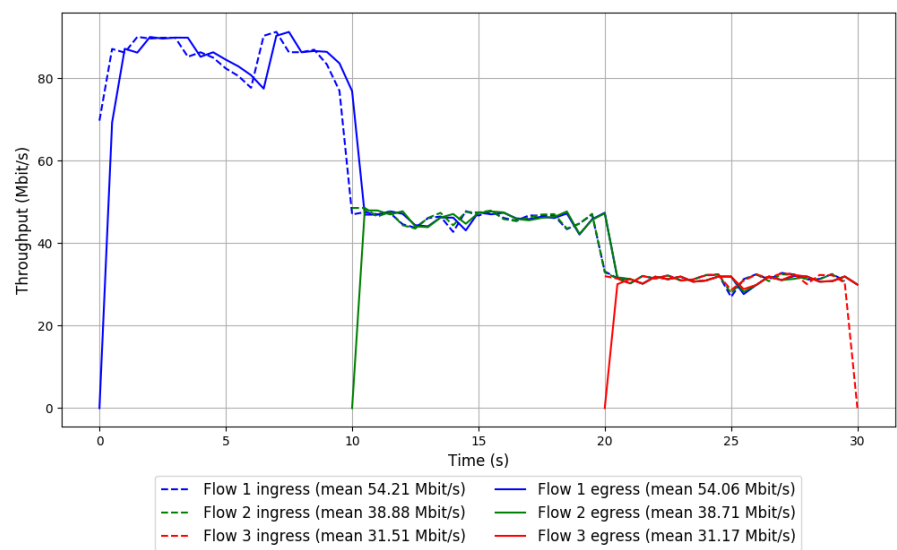


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-07-10 23:21:41
End at: 2018-07-10 23:22:11
Local clock offset: -1.001 ms
Remote clock offset: -0.64 ms

# Below is generated by plot.py at 2018-07-10 23:50:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.21 Mbit/s
95th percentile per-packet one-way delay: 31.258 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 54.06 Mbit/s
95th percentile per-packet one-way delay: 31.075 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 38.71 Mbit/s
95th percentile per-packet one-way delay: 31.316 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 31.17 Mbit/s
95th percentile per-packet one-way delay: 36.682 ms
Loss rate: 1.35%
```

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

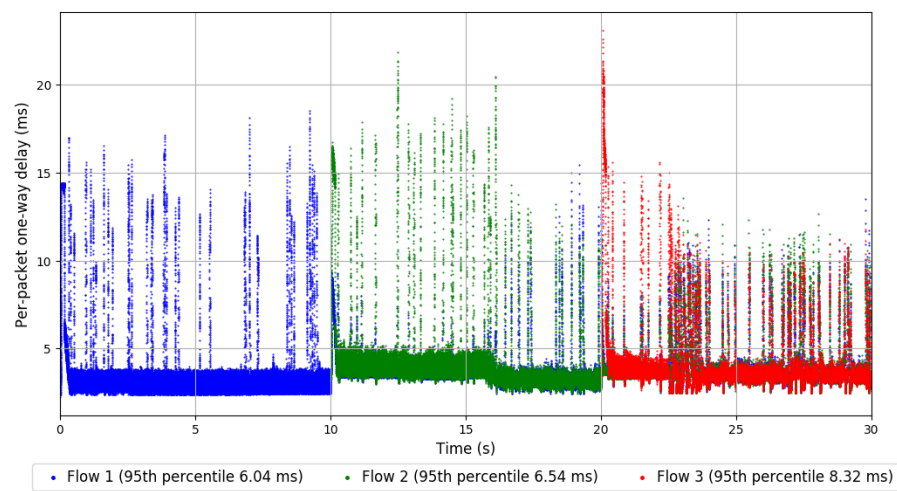
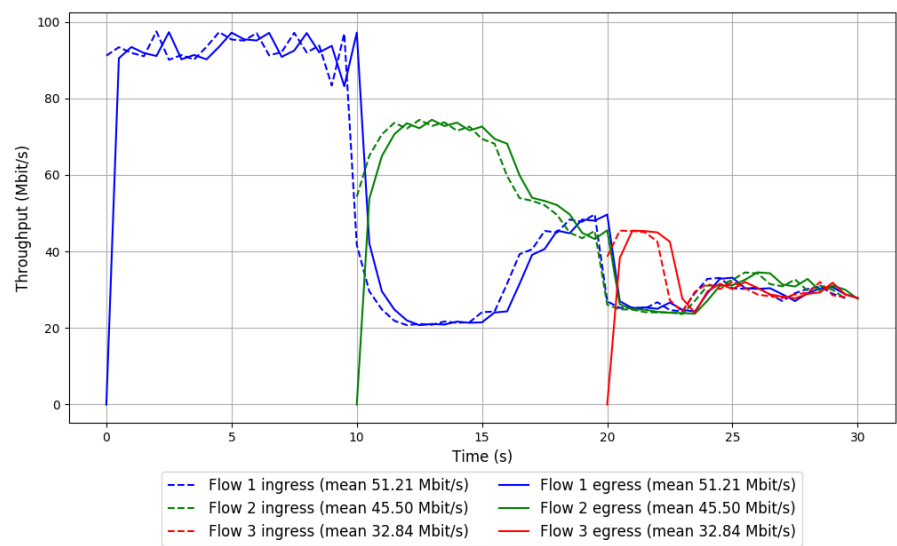


Run 1: Statistics of TCP Vegas

Start at: 2018-07-10 20:24:59
End at: 2018-07-10 20:25:29
Local clock offset: -1.062 ms
Remote clock offset: -3.846 ms

Below is generated by plot.py at 2018-07-10 23:50:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 6.617 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 51.21 Mbit/s
95th percentile per-packet one-way delay: 6.042 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 45.50 Mbit/s
95th percentile per-packet one-way delay: 6.545 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 32.84 Mbit/s
95th percentile per-packet one-way delay: 8.324 ms
Loss rate: 0.06%

Run 1: Report of TCP Vegas — Data Link

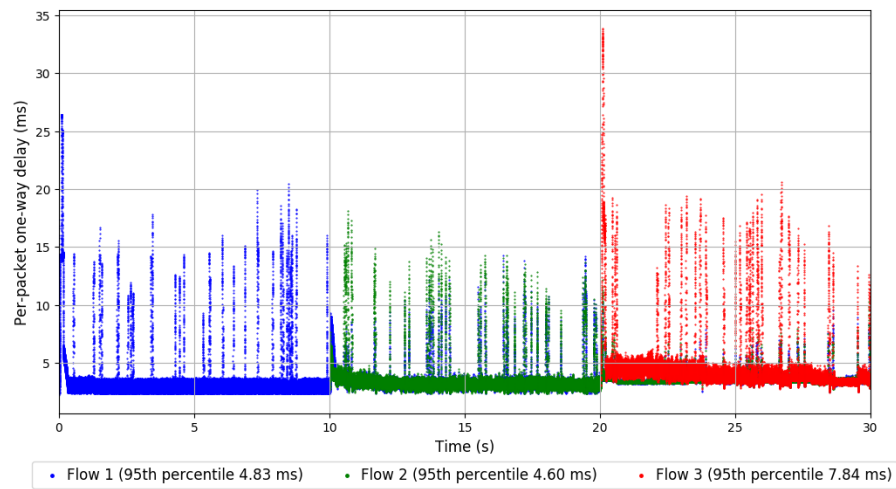
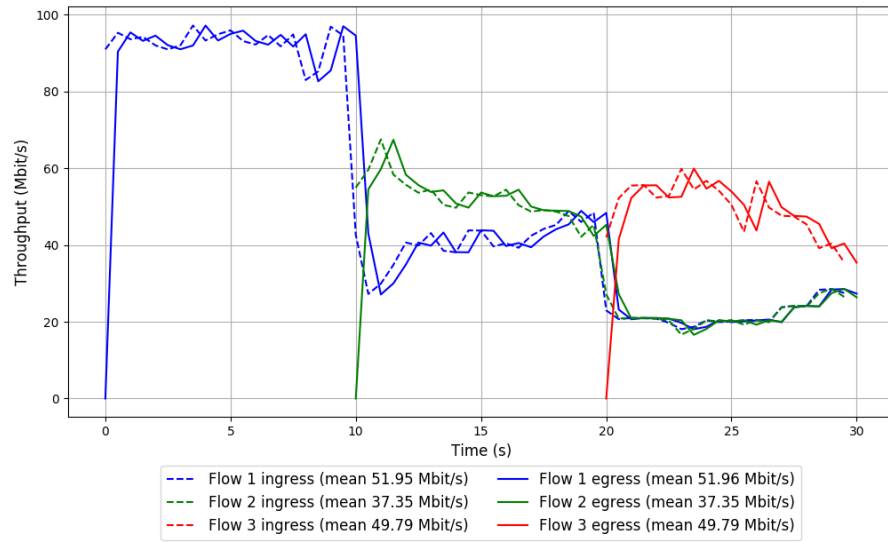


Run 2: Statistics of TCP Vegas

Start at: 2018-07-10 20:44:08
End at: 2018-07-10 20:44:38
Local clock offset: -1.038 ms
Remote clock offset: -1.513 ms

Below is generated by plot.py at 2018-07-10 23:50:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 5.246 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 51.96 Mbit/s
95th percentile per-packet one-way delay: 4.832 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 37.35 Mbit/s
95th percentile per-packet one-way delay: 4.599 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: 7.838 ms
Loss rate: 0.04%

Run 2: Report of TCP Vegas — Data Link

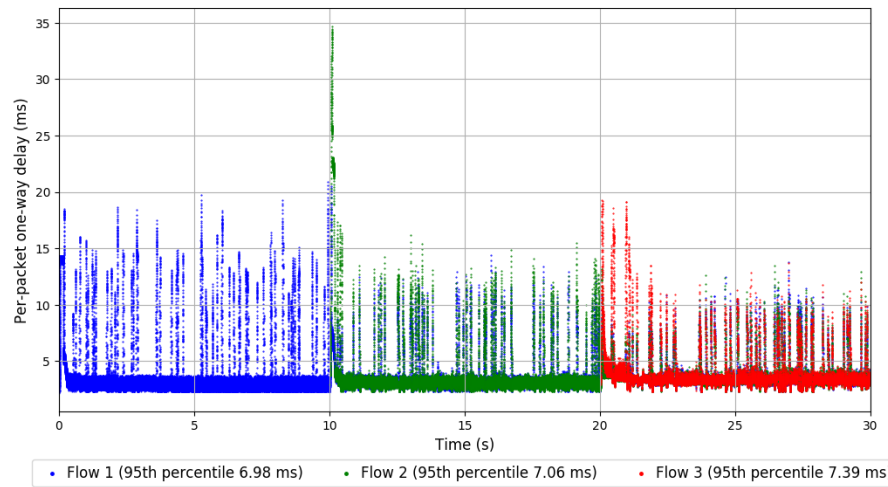
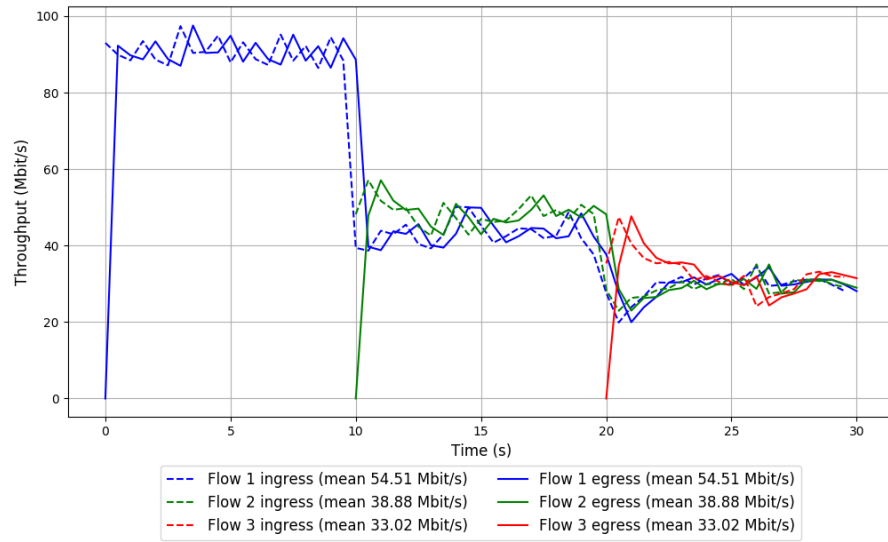


Run 3: Statistics of TCP Vegas

Start at: 2018-07-10 21:03:17
End at: 2018-07-10 21:03:47
Local clock offset: -1.092 ms
Remote clock offset: -0.356 ms

Below is generated by plot.py at 2018-07-10 23:50:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 7.075 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 54.51 Mbit/s
95th percentile per-packet one-way delay: 6.980 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.88 Mbit/s
95th percentile per-packet one-way delay: 7.057 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 33.02 Mbit/s
95th percentile per-packet one-way delay: 7.388 ms
Loss rate: 0.06%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-10 21:22:26

End at: 2018-07-10 21:22:56

Local clock offset: -1.078 ms

Remote clock offset: 0.687 ms

Below is generated by plot.py at 2018-07-10 23:50:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.67 Mbit/s

95th percentile per-packet one-way delay: 5.584 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 50.71 Mbit/s

95th percentile per-packet one-way delay: 4.693 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 42.53 Mbit/s

95th percentile per-packet one-way delay: 6.192 ms

Loss rate: 0.02%

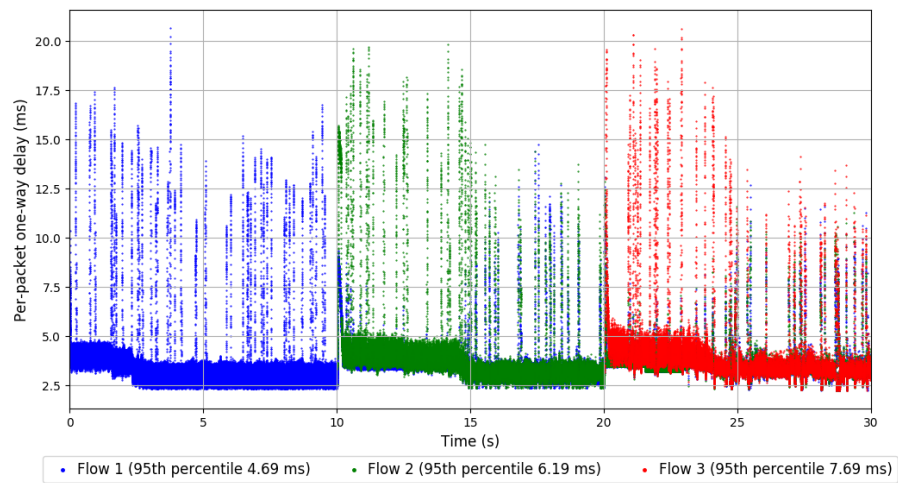
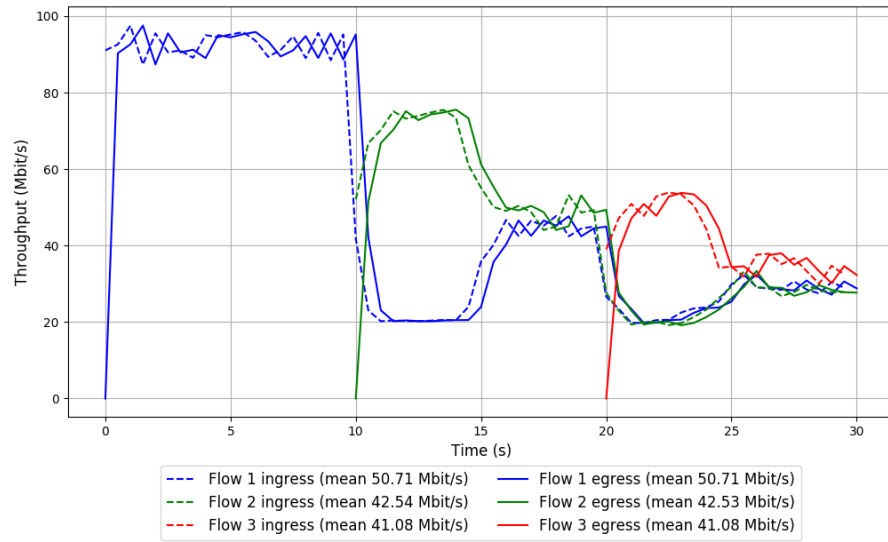
-- Flow 3:

Average throughput: 41.08 Mbit/s

95th percentile per-packet one-way delay: 7.688 ms

Loss rate: 0.05%

Run 4: Report of TCP Vegas — Data Link

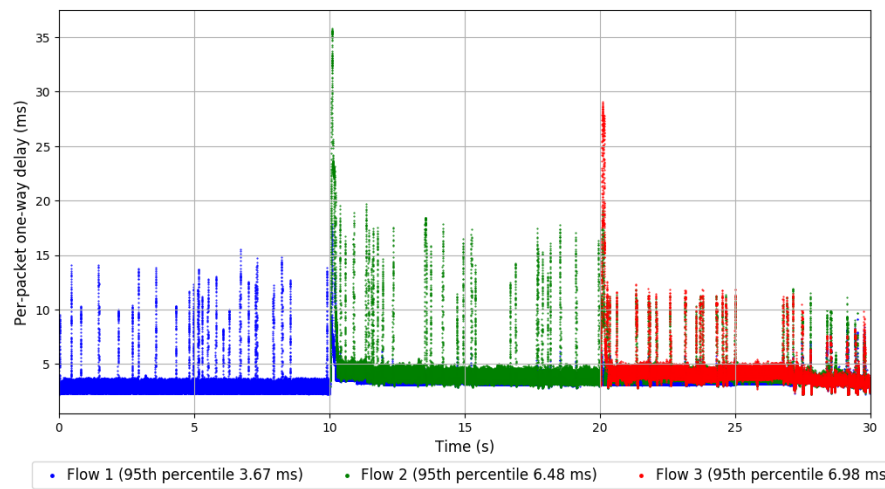
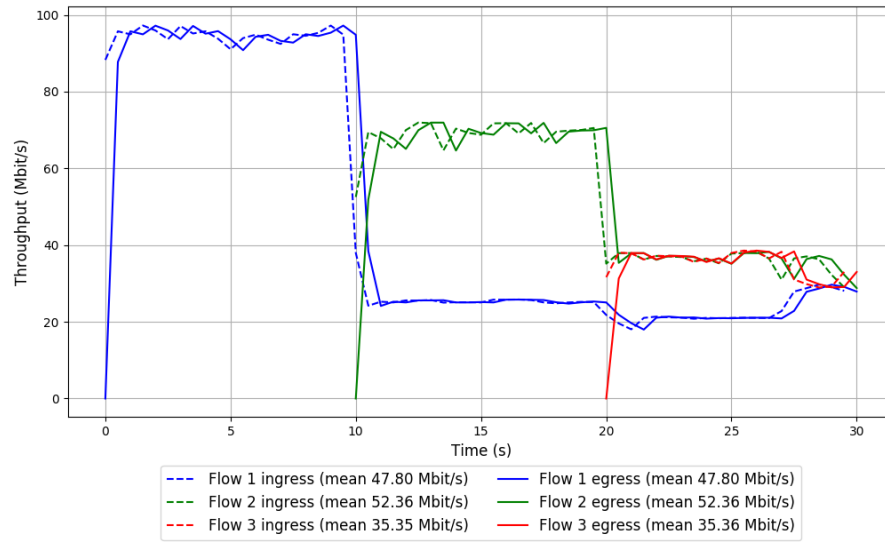


Run 5: Statistics of TCP Vegas

Start at: 2018-07-10 21:41:33
End at: 2018-07-10 21:42:03
Local clock offset: -1.168 ms
Remote clock offset: -8.533 ms

Below is generated by plot.py at 2018-07-10 23:50:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 4.918 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 47.80 Mbit/s
95th percentile per-packet one-way delay: 3.671 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 52.36 Mbit/s
95th percentile per-packet one-way delay: 6.484 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 35.36 Mbit/s
95th percentile per-packet one-way delay: 6.978 ms
Loss rate: 0.05%

Run 5: Report of TCP Vegas — Data Link

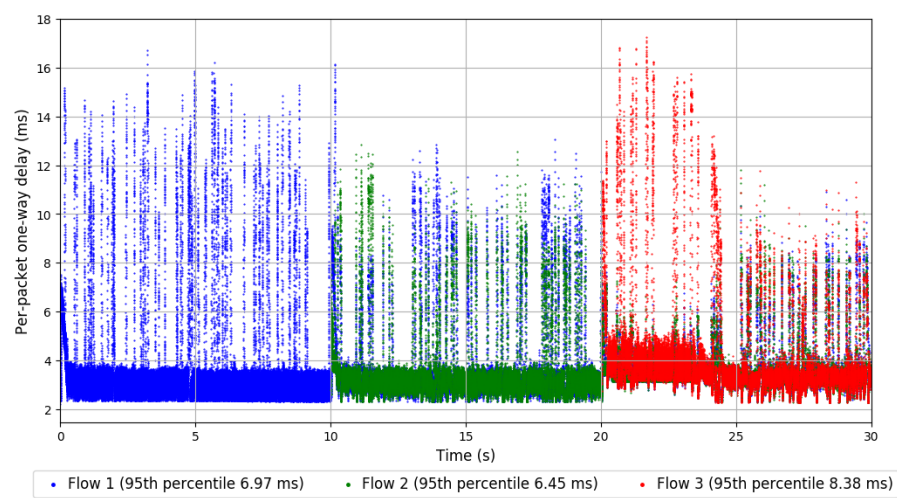
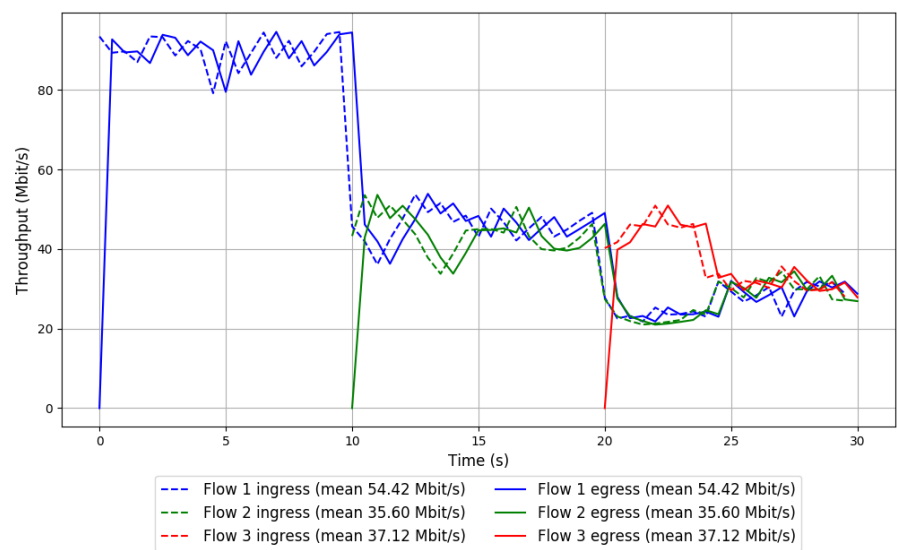


Run 6: Statistics of TCP Vegas

Start at: 2018-07-10 22:00:40
End at: 2018-07-10 22:01:10
Local clock offset: -1.088 ms
Remote clock offset: -11.274 ms

Below is generated by plot.py at 2018-07-10 23:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.46 Mbit/s
95th percentile per-packet one-way delay: 6.993 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 54.42 Mbit/s
95th percentile per-packet one-way delay: 6.968 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 35.60 Mbit/s
95th percentile per-packet one-way delay: 6.451 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 37.12 Mbit/s
95th percentile per-packet one-way delay: 8.375 ms
Loss rate: 0.05%

Run 6: Report of TCP Vegas — Data Link

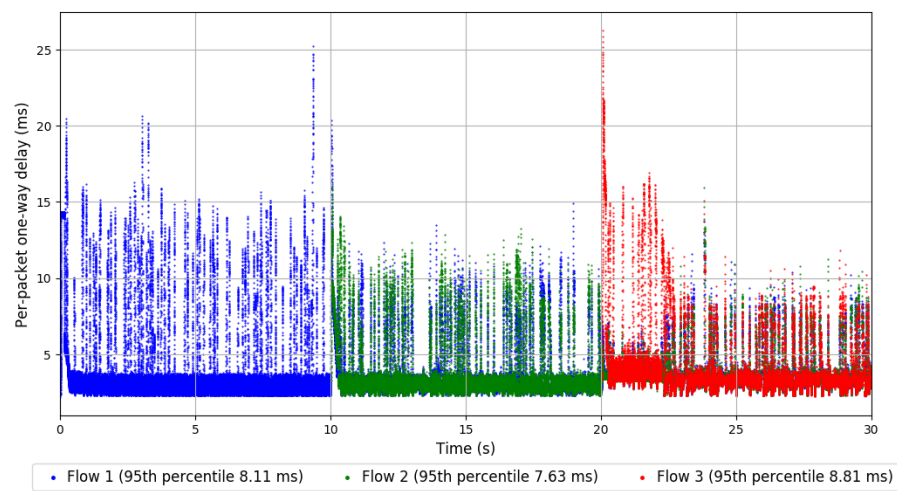
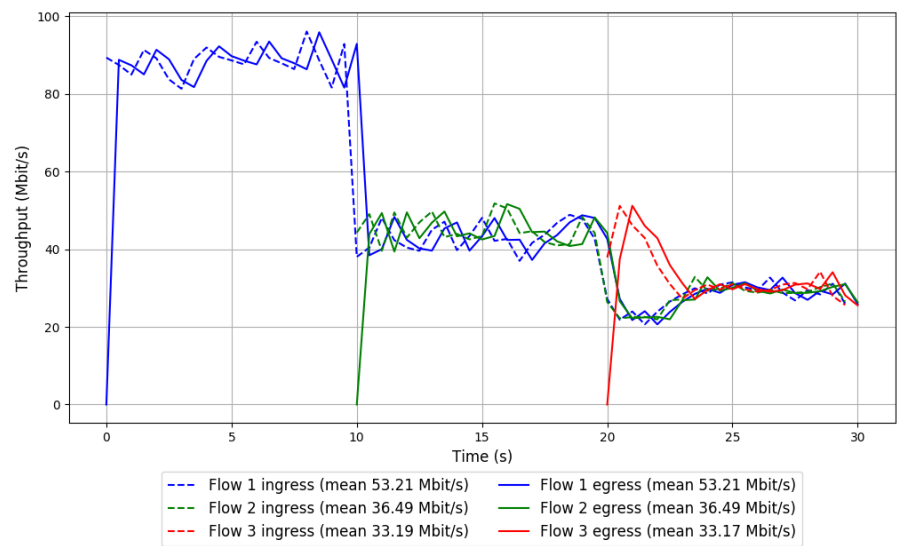


Run 7: Statistics of TCP Vegas

Start at: 2018-07-10 22:19:45
End at: 2018-07-10 22:20:15
Local clock offset: -1.073 ms
Remote clock offset: -13.24 ms

Below is generated by plot.py at 2018-07-10 23:51:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.53 Mbit/s
95th percentile per-packet one-way delay: 8.053 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 53.21 Mbit/s
95th percentile per-packet one-way delay: 8.105 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 36.49 Mbit/s
95th percentile per-packet one-way delay: 7.629 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 33.17 Mbit/s
95th percentile per-packet one-way delay: 8.812 ms
Loss rate: 0.05%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-10 22:38:49

End at: 2018-07-10 22:39:19

Local clock offset: -1.143 ms

Remote clock offset: -6.49 ms

Below is generated by plot.py at 2018-07-10 23:51:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.26 Mbit/s

95th percentile per-packet one-way delay: 7.388 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 54.74 Mbit/s

95th percentile per-packet one-way delay: 6.936 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 38.00 Mbit/s

95th percentile per-packet one-way delay: 7.371 ms

Loss rate: 0.03%

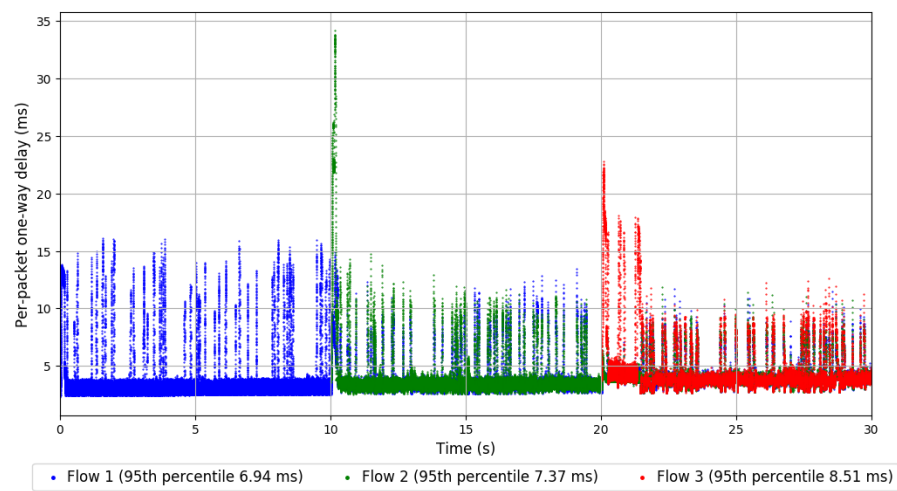
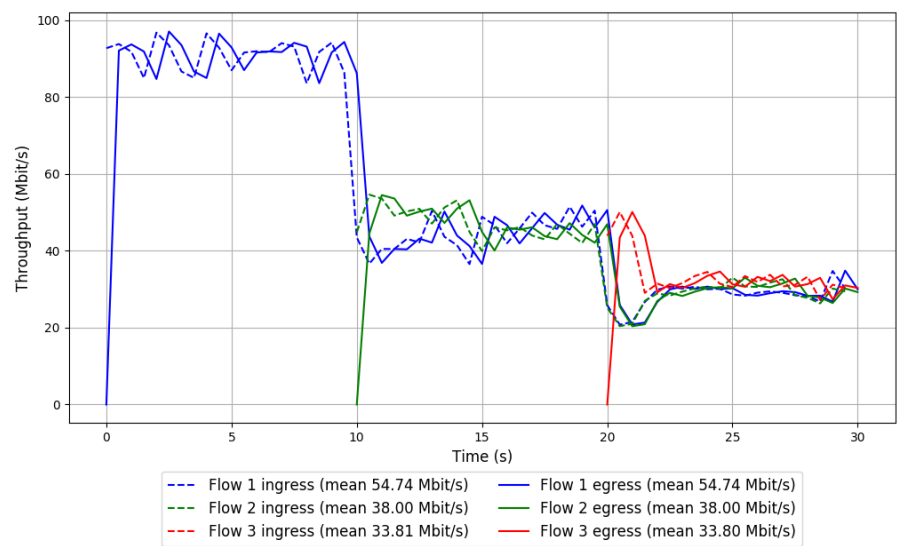
-- Flow 3:

Average throughput: 33.80 Mbit/s

95th percentile per-packet one-way delay: 8.505 ms

Loss rate: 0.06%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-10 22:57:59

End at: 2018-07-10 22:58:29

Local clock offset: -1.105 ms

Remote clock offset: 0.241 ms

Below is generated by plot.py at 2018-07-10 23:51:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.42 Mbit/s

95th percentile per-packet one-way delay: 5.490 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 49.89 Mbit/s

95th percentile per-packet one-way delay: 4.030 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 43.65 Mbit/s

95th percentile per-packet one-way delay: 4.848 ms

Loss rate: 0.02%

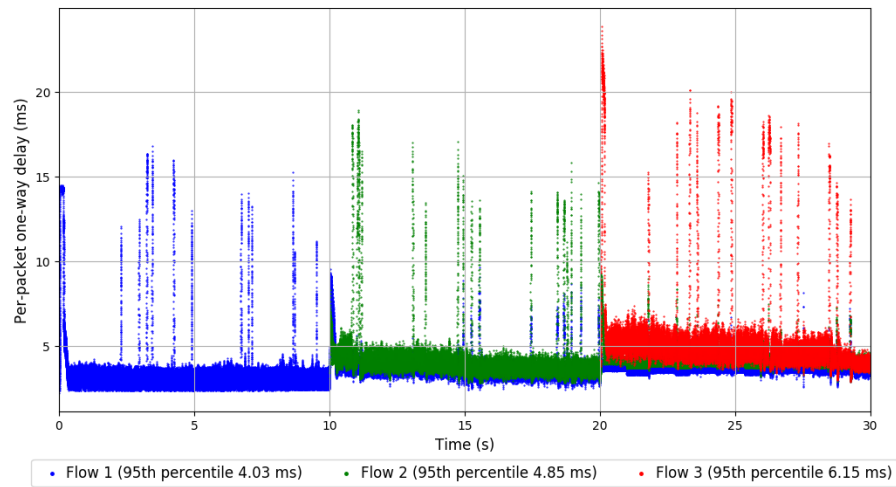
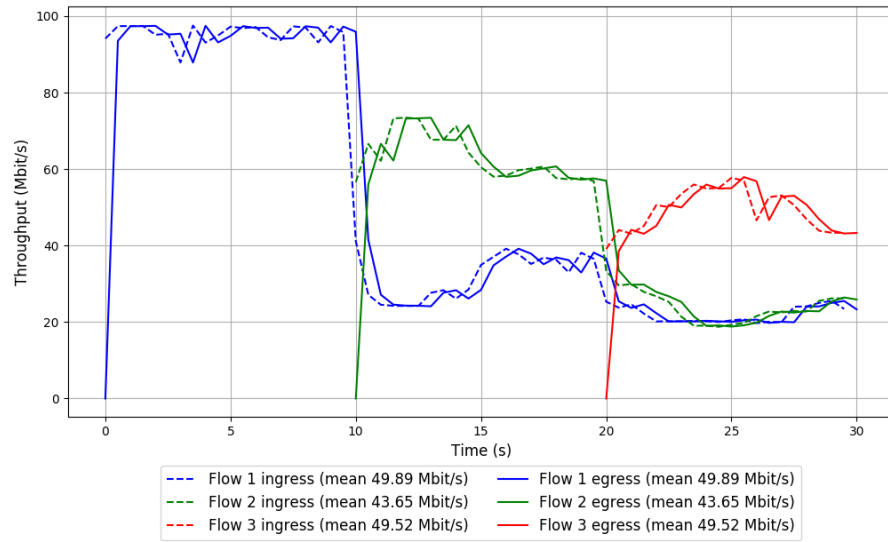
-- Flow 3:

Average throughput: 49.52 Mbit/s

95th percentile per-packet one-way delay: 6.147 ms

Loss rate: 0.06%

Run 9: Report of TCP Vegas — Data Link

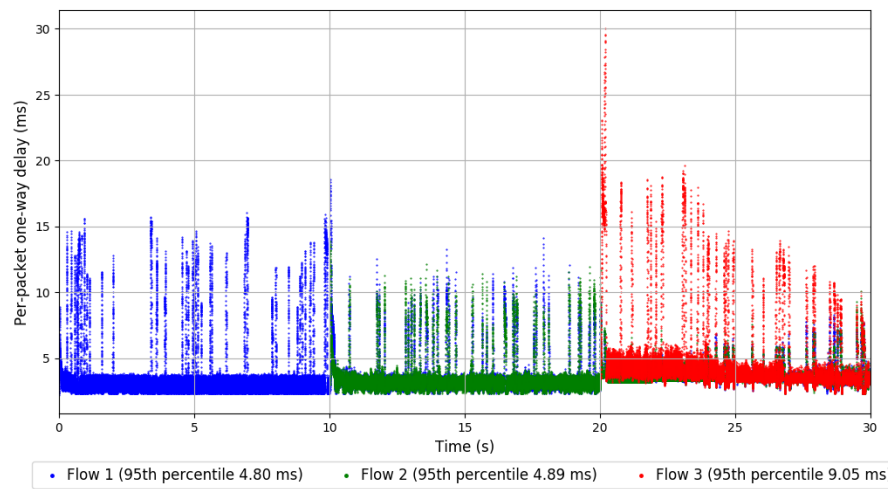
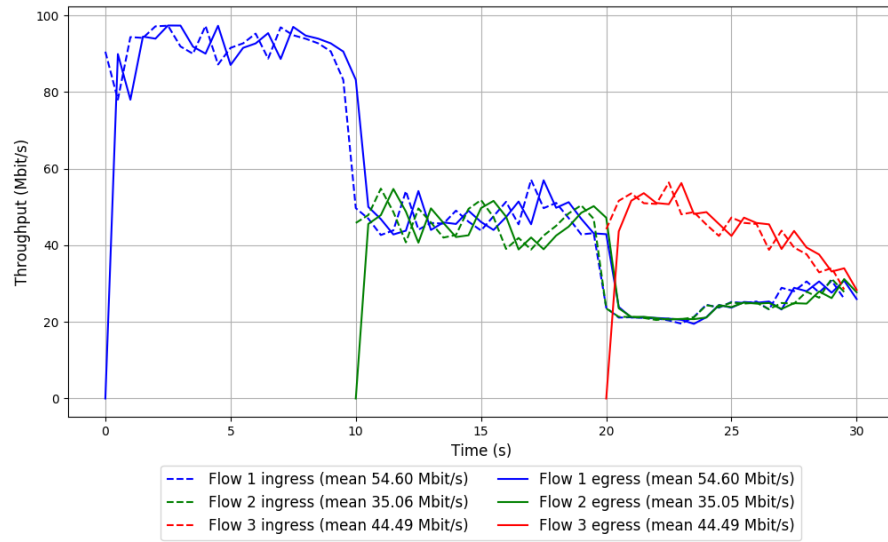


Run 10: Statistics of TCP Vegas

Start at: 2018-07-10 23:17:08
End at: 2018-07-10 23:17:38
Local clock offset: -1.028 ms
Remote clock offset: -0.524 ms

Below is generated by plot.py at 2018-07-10 23:51:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: 5.415 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 54.60 Mbit/s
95th percentile per-packet one-way delay: 4.798 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 35.05 Mbit/s
95th percentile per-packet one-way delay: 4.886 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 44.49 Mbit/s
95th percentile per-packet one-way delay: 9.054 ms
Loss rate: 0.05%

Run 10: Report of TCP Vegas — Data Link

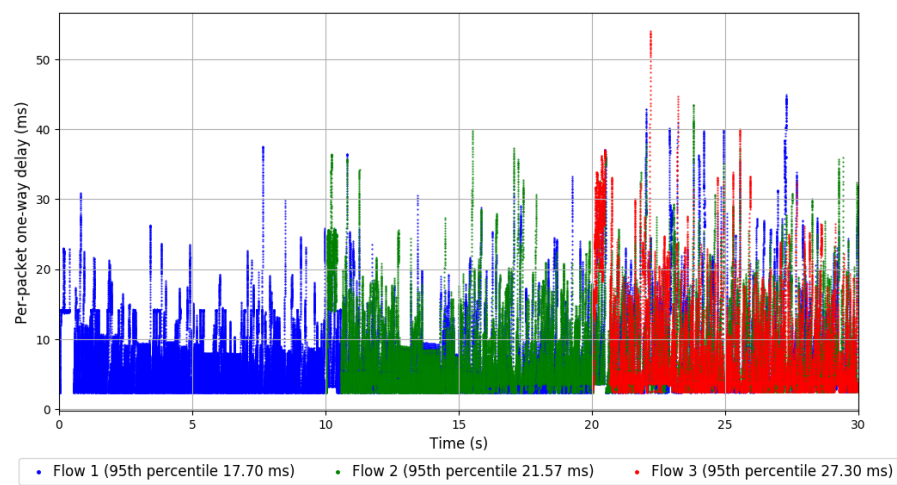
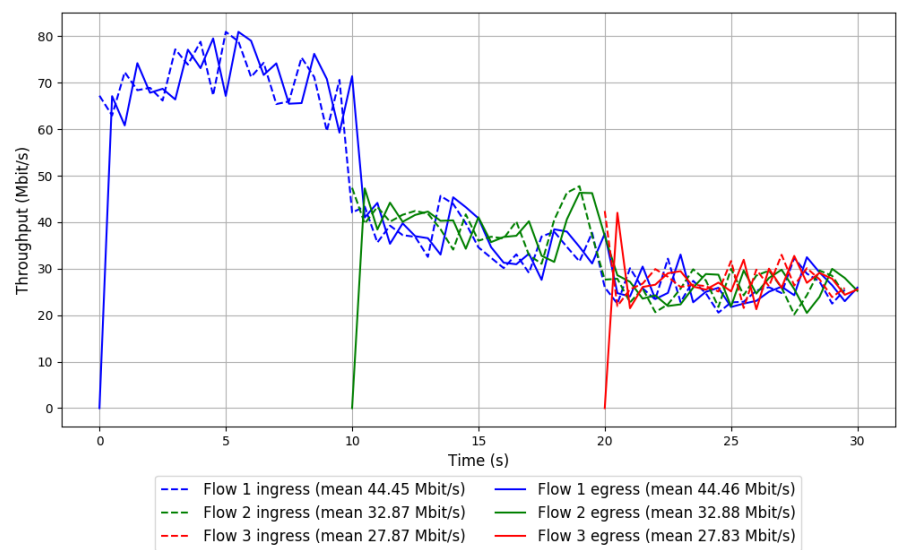


Run 1: Statistics of Verus

Start at: 2018-07-10 20:28:25
End at: 2018-07-10 20:28:55
Local clock offset: -1.112 ms
Remote clock offset: -3.214 ms

Below is generated by plot.py at 2018-07-10 23:51:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.59 Mbit/s
95th percentile per-packet one-way delay: 20.597 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 44.46 Mbit/s
95th percentile per-packet one-way delay: 17.700 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 32.88 Mbit/s
95th percentile per-packet one-way delay: 21.566 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 27.83 Mbit/s
95th percentile per-packet one-way delay: 27.298 ms
Loss rate: 0.16%

Run 1: Report of Verus — Data Link

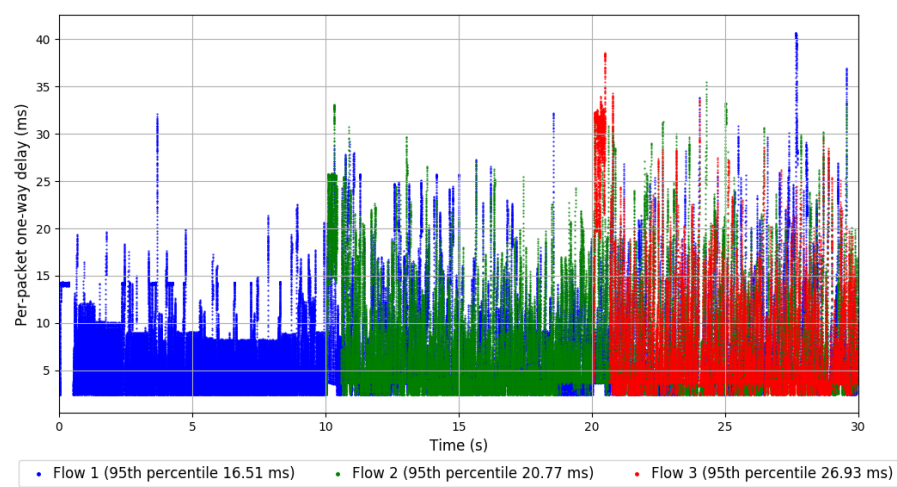
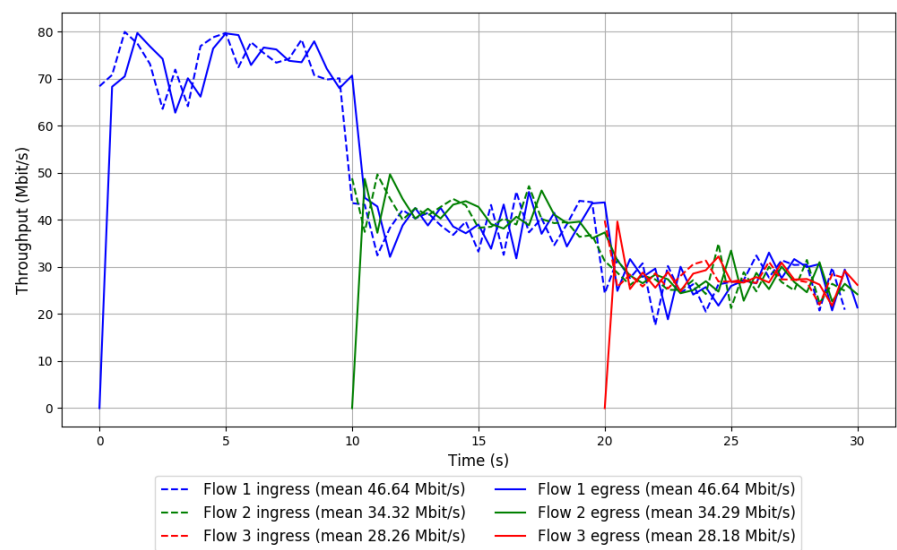


Run 2: Statistics of Verus

Start at: 2018-07-10 20:47:33
End at: 2018-07-10 20:48:03
Local clock offset: -1.055 ms
Remote clock offset: -1.374 ms

Below is generated by plot.py at 2018-07-10 23:51:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.82 Mbit/s
95th percentile per-packet one-way delay: 19.266 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 46.64 Mbit/s
95th percentile per-packet one-way delay: 16.513 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.29 Mbit/s
95th percentile per-packet one-way delay: 20.769 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 28.18 Mbit/s
95th percentile per-packet one-way delay: 26.932 ms
Loss rate: 0.29%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-10 21:06:42

End at: 2018-07-10 21:07:12

Local clock offset: -1.034 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-07-10 23:51:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.09 Mbit/s

95th percentile per-packet one-way delay: 20.694 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 43.15 Mbit/s

95th percentile per-packet one-way delay: 18.887 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 32.68 Mbit/s

95th percentile per-packet one-way delay: 21.640 ms

Loss rate: 0.46%

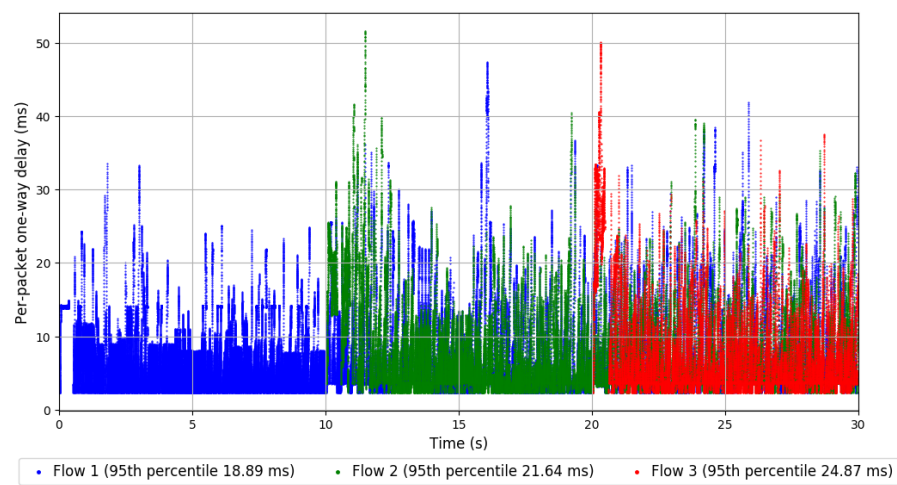
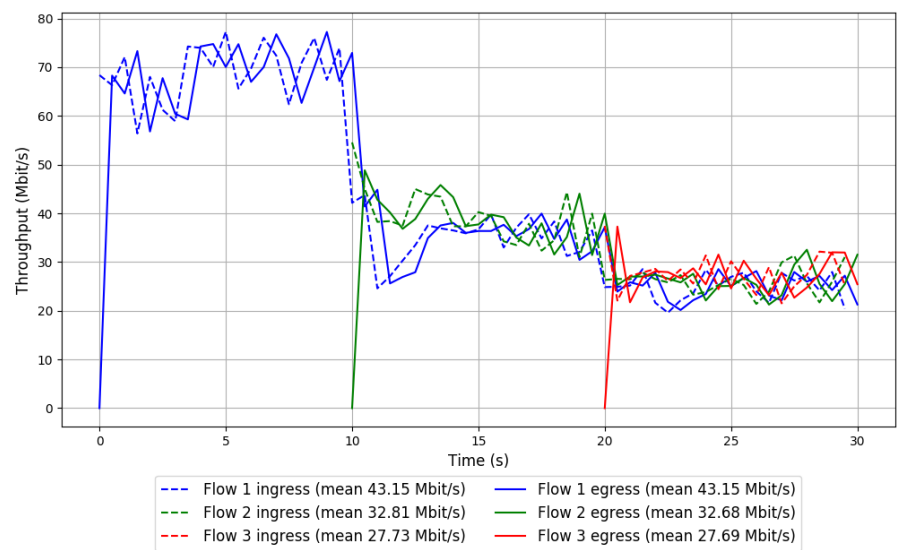
-- Flow 3:

Average throughput: 27.69 Mbit/s

95th percentile per-packet one-way delay: 24.867 ms

Loss rate: 0.03%

Run 3: Report of Verus — Data Link

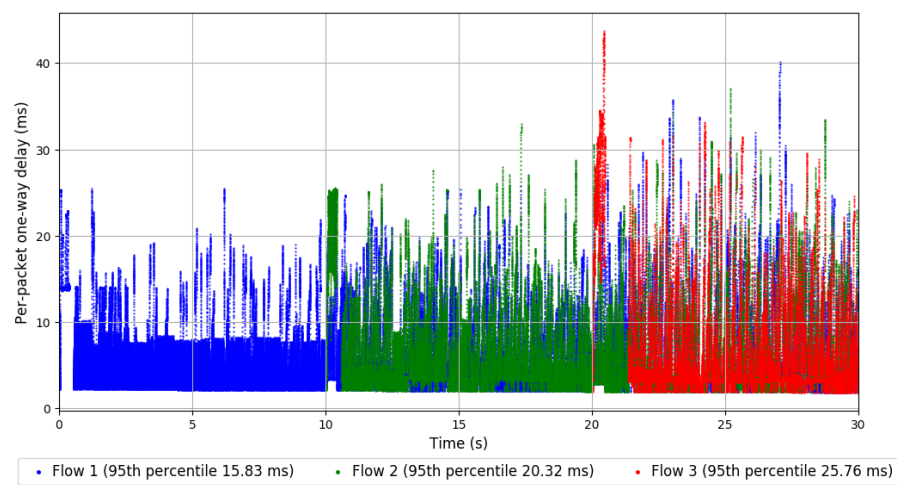
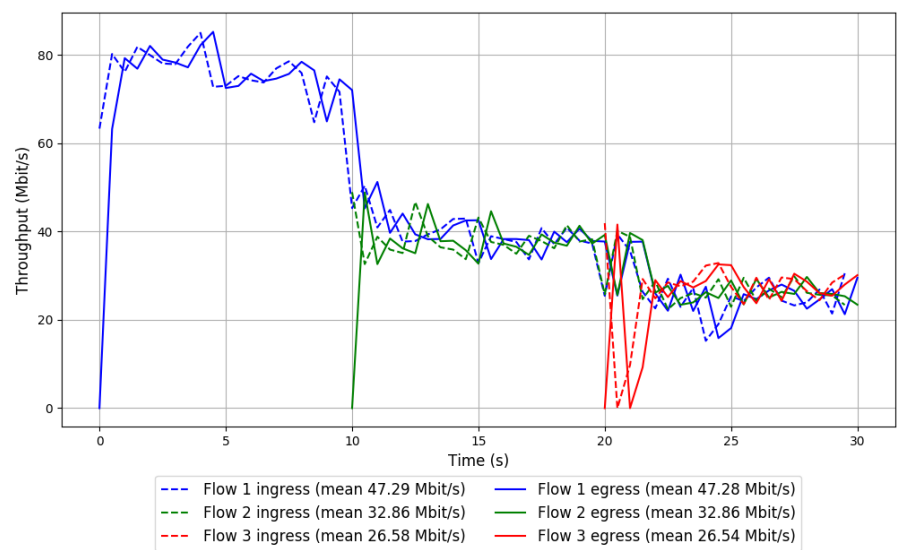


Run 4: Statistics of Verus

Start at: 2018-07-10 21:25:51
End at: 2018-07-10 21:26:21
Local clock offset: -1.081 ms
Remote clock offset: -1.997 ms

Below is generated by plot.py at 2018-07-10 23:51:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.98 Mbit/s
95th percentile per-packet one-way delay: 18.598 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 47.28 Mbit/s
95th percentile per-packet one-way delay: 15.830 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 32.86 Mbit/s
95th percentile per-packet one-way delay: 20.315 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 26.54 Mbit/s
95th percentile per-packet one-way delay: 25.763 ms
Loss rate: 0.17%

Run 4: Report of Verus — Data Link

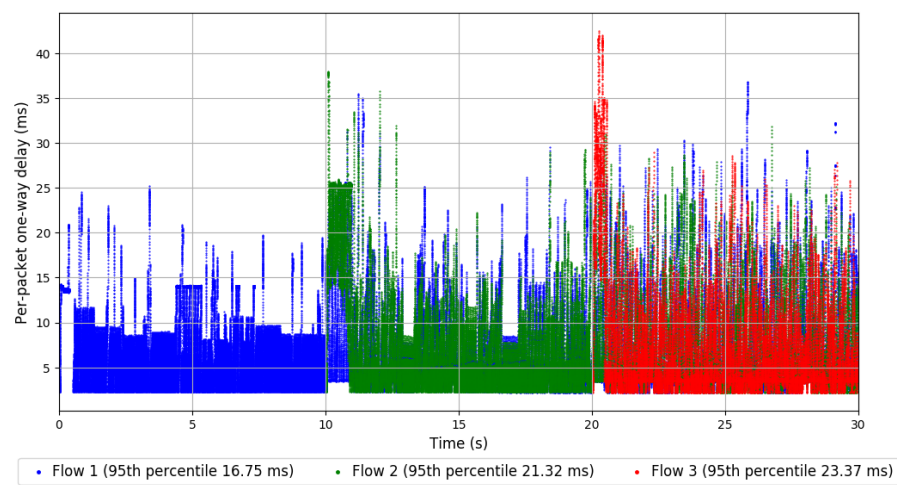
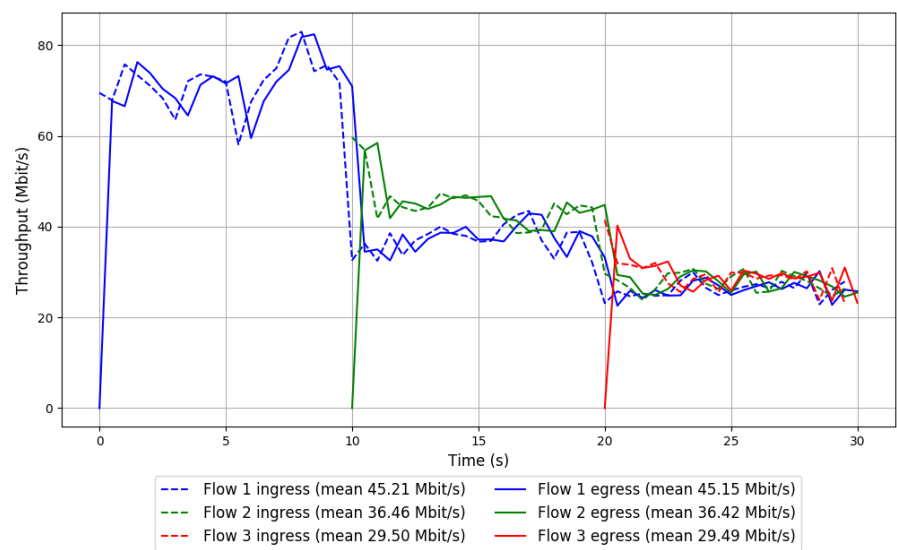


Run 5: Statistics of Verus

Start at: 2018-07-10 21:44:59
End at: 2018-07-10 21:45:29
Local clock offset: -1.127 ms
Remote clock offset: -9.142 ms

Below is generated by plot.py at 2018-07-10 23:52:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.20 Mbit/s
95th percentile per-packet one-way delay: 19.187 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 45.15 Mbit/s
95th percentile per-packet one-way delay: 16.749 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 36.42 Mbit/s
95th percentile per-packet one-way delay: 21.320 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 29.49 Mbit/s
95th percentile per-packet one-way delay: 23.367 ms
Loss rate: 0.07%

Run 5: Report of Verus — Data Link

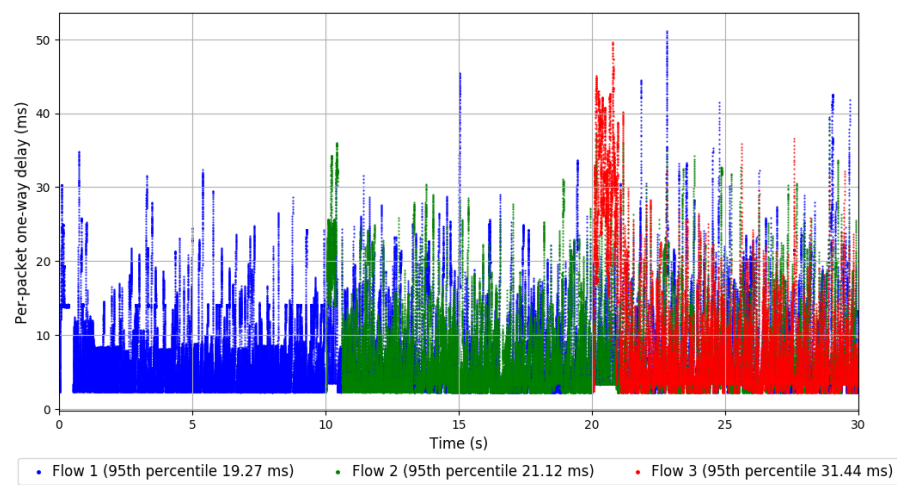
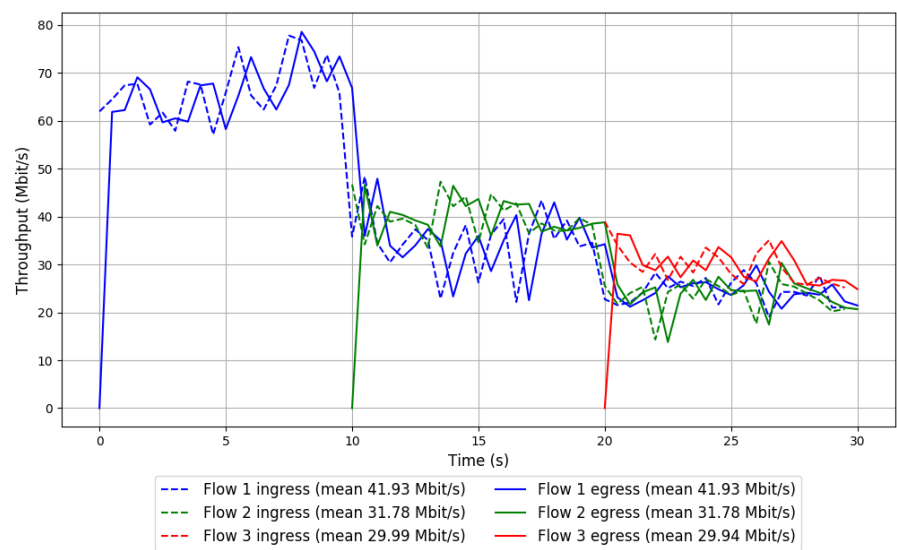


Run 6: Statistics of Verus

Start at: 2018-07-10 22:04:05
End at: 2018-07-10 22:04:35
Local clock offset: -1.084 ms
Remote clock offset: -11.624 ms

Below is generated by plot.py at 2018-07-10 23:52:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.04 Mbit/s
95th percentile per-packet one-way delay: 21.236 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 41.93 Mbit/s
95th percentile per-packet one-way delay: 19.274 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 21.116 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 29.94 Mbit/s
95th percentile per-packet one-way delay: 31.444 ms
Loss rate: 0.19%

Run 6: Report of Verus — Data Link

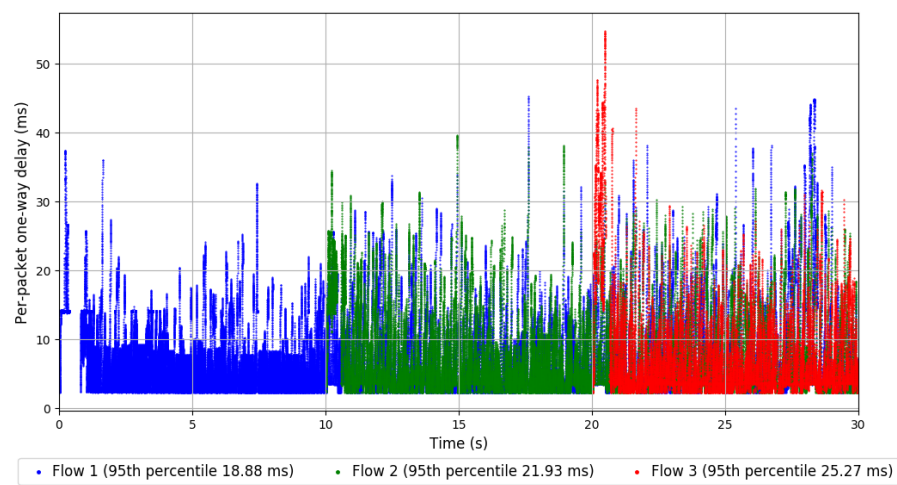
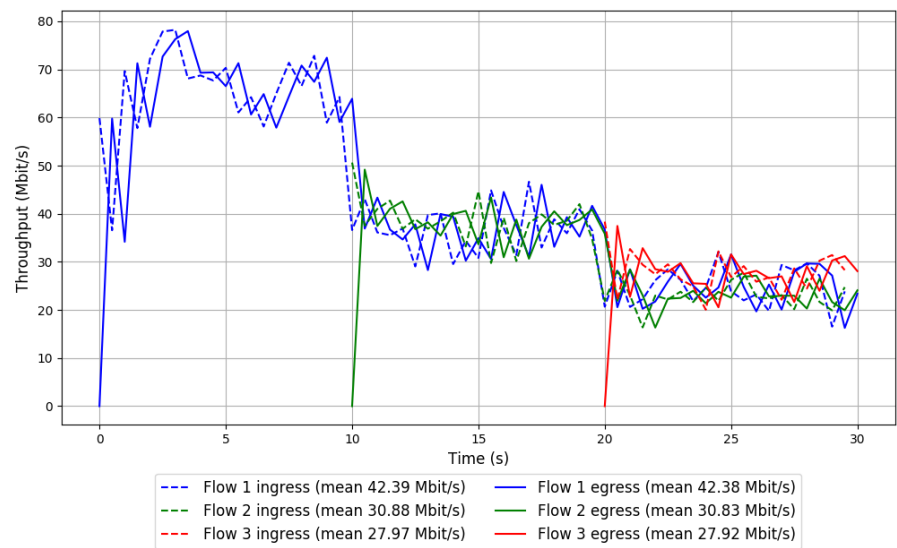


Run 7: Statistics of Verus

Start at: 2018-07-10 22:23:10
End at: 2018-07-10 22:23:40
Local clock offset: -1.072 ms
Remote clock offset: -13.595 ms

Below is generated by plot.py at 2018-07-10 23:52:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.18 Mbit/s
95th percentile per-packet one-way delay: 20.939 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 42.38 Mbit/s
95th percentile per-packet one-way delay: 18.884 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 30.83 Mbit/s
95th percentile per-packet one-way delay: 21.927 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 27.92 Mbit/s
95th percentile per-packet one-way delay: 25.267 ms
Loss rate: 0.18%

Run 7: Report of Verus — Data Link

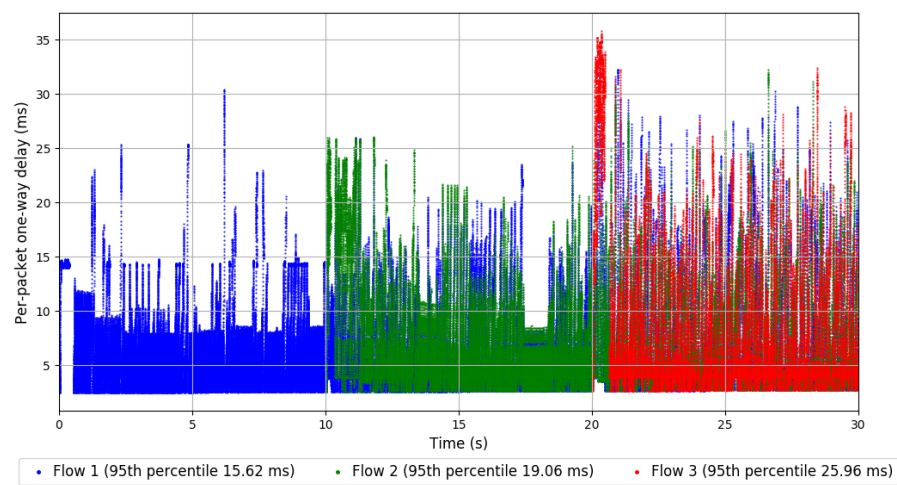
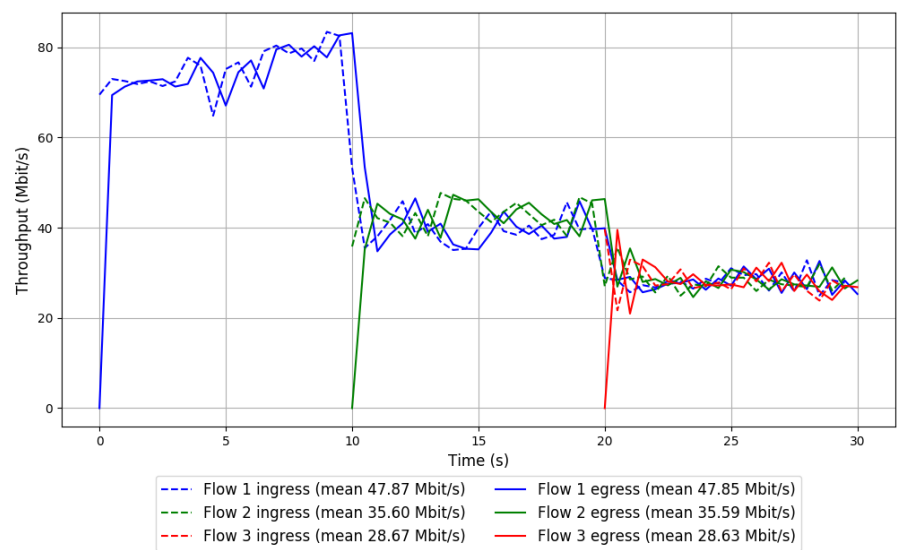


Run 8: Statistics of Verus

Start at: 2018-07-10 22:42:14
End at: 2018-07-10 22:42:44
Local clock offset: -1.064 ms
Remote clock offset: -4.466 ms

Below is generated by plot.py at 2018-07-10 23:52:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.05 Mbit/s
95th percentile per-packet one-way delay: 18.228 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 47.85 Mbit/s
95th percentile per-packet one-way delay: 15.615 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 35.59 Mbit/s
95th percentile per-packet one-way delay: 19.063 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 28.63 Mbit/s
95th percentile per-packet one-way delay: 25.958 ms
Loss rate: 0.20%

Run 8: Report of Verus — Data Link

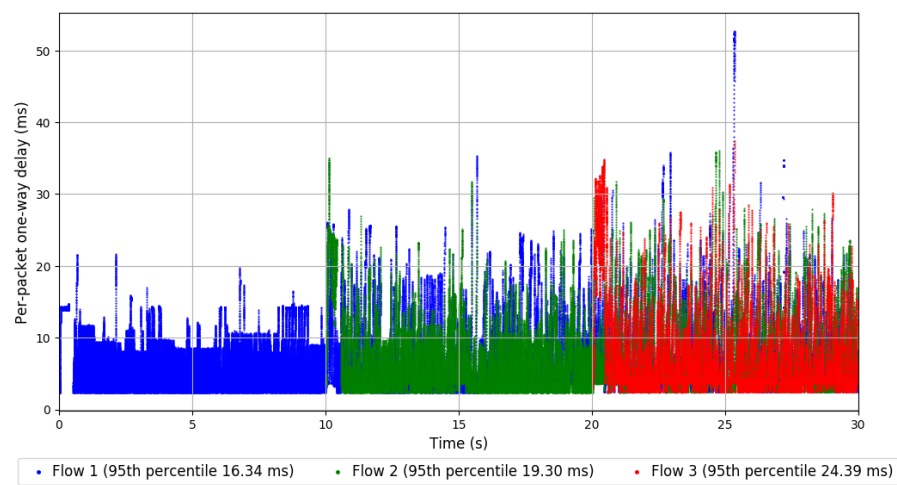
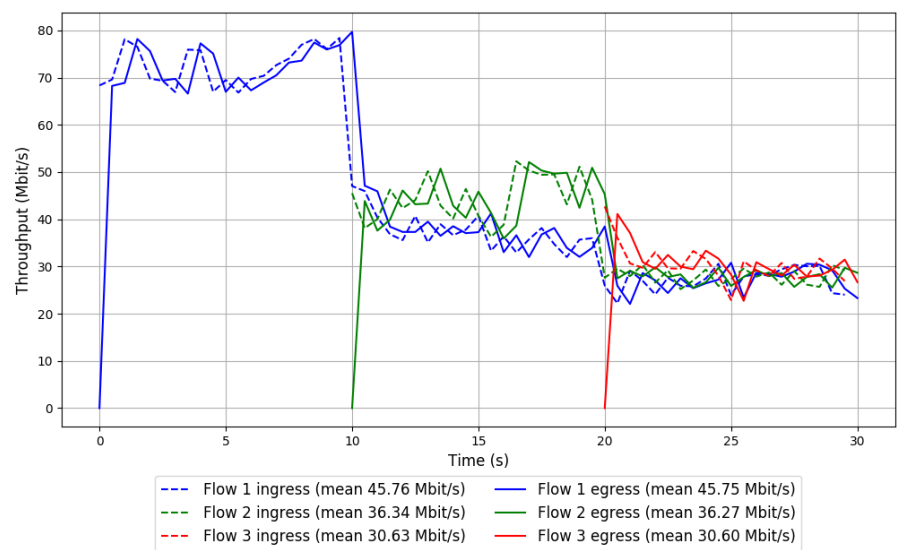


Run 9: Statistics of Verus

Start at: 2018-07-10 23:01:24
End at: 2018-07-10 23:01:54
Local clock offset: -1.043 ms
Remote clock offset: 0.864 ms

Below is generated by plot.py at 2018-07-10 23:52:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.06 Mbit/s
95th percentile per-packet one-way delay: 18.347 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 45.75 Mbit/s
95th percentile per-packet one-way delay: 16.339 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 36.27 Mbit/s
95th percentile per-packet one-way delay: 19.303 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 30.60 Mbit/s
95th percentile per-packet one-way delay: 24.394 ms
Loss rate: 0.14%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-10 23:20:33

End at: 2018-07-10 23:21:03

Local clock offset: -1.009 ms

Remote clock offset: -0.62 ms

Below is generated by plot.py at 2018-07-10 23:52:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.07 Mbit/s

95th percentile per-packet one-way delay: 18.044 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 45.64 Mbit/s

95th percentile per-packet one-way delay: 16.738 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.54 Mbit/s

95th percentile per-packet one-way delay: 18.275 ms

Loss rate: 0.06%

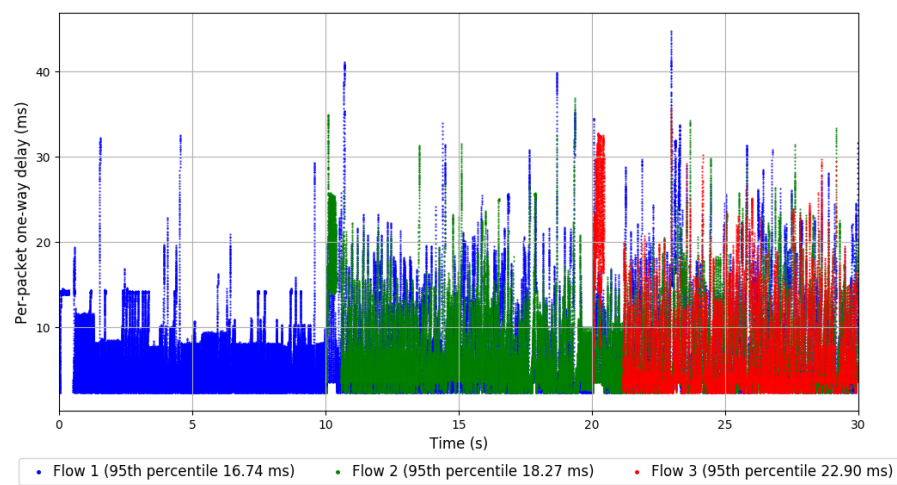
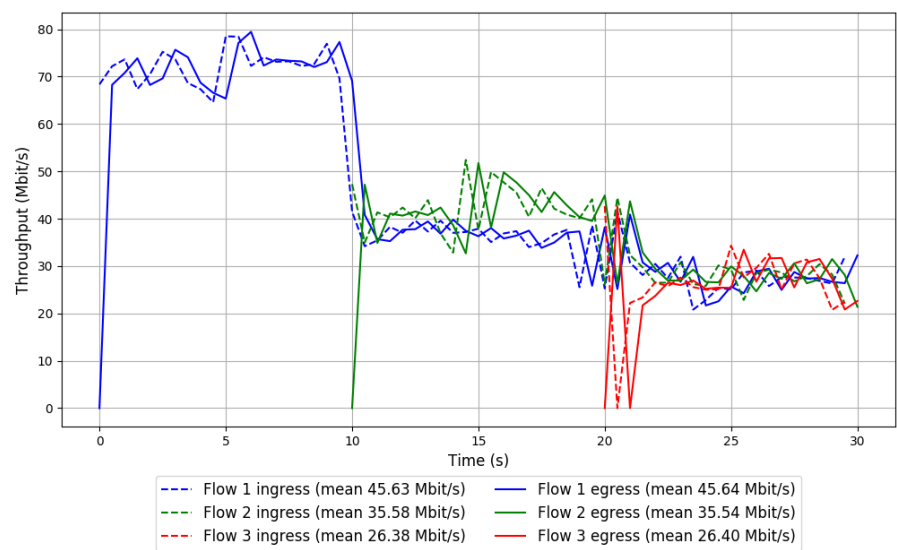
-- Flow 3:

Average throughput: 26.40 Mbit/s

95th percentile per-packet one-way delay: 22.903 ms

Loss rate: 0.02%

Run 10: Report of Verus — Data Link

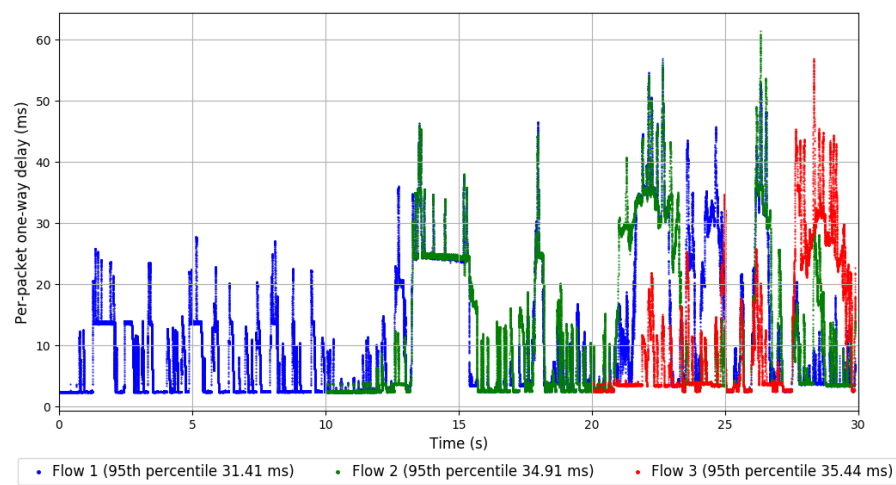
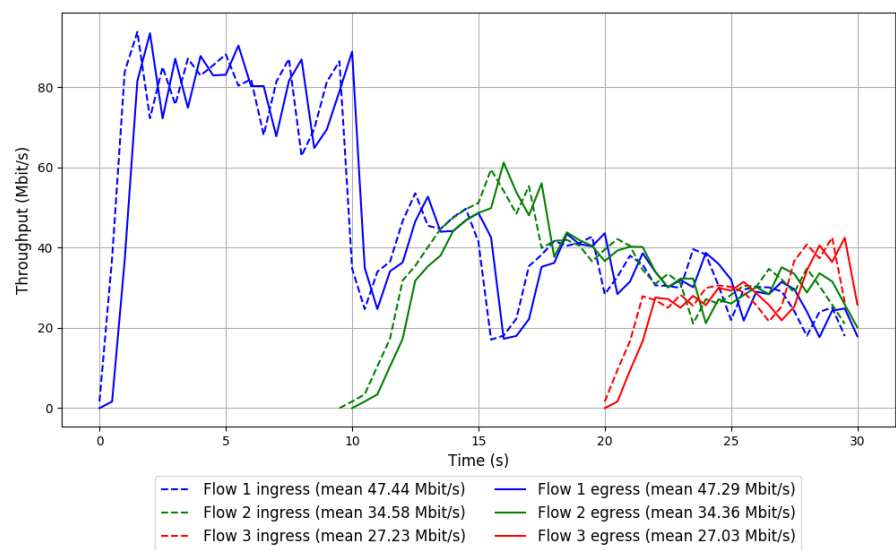


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-10 20:17:04
End at: 2018-07-10 20:17:34
Local clock offset: -1.115 ms
Remote clock offset: -6.528 ms

Below is generated by plot.py at 2018-07-10 23:52:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.07 Mbit/s
95th percentile per-packet one-way delay: 33.464 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 47.29 Mbit/s
95th percentile per-packet one-way delay: 31.408 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 34.36 Mbit/s
95th percentile per-packet one-way delay: 34.913 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 27.03 Mbit/s
95th percentile per-packet one-way delay: 35.442 ms
Loss rate: 0.85%

Run 1: Report of PCC-Vivace — Data Link

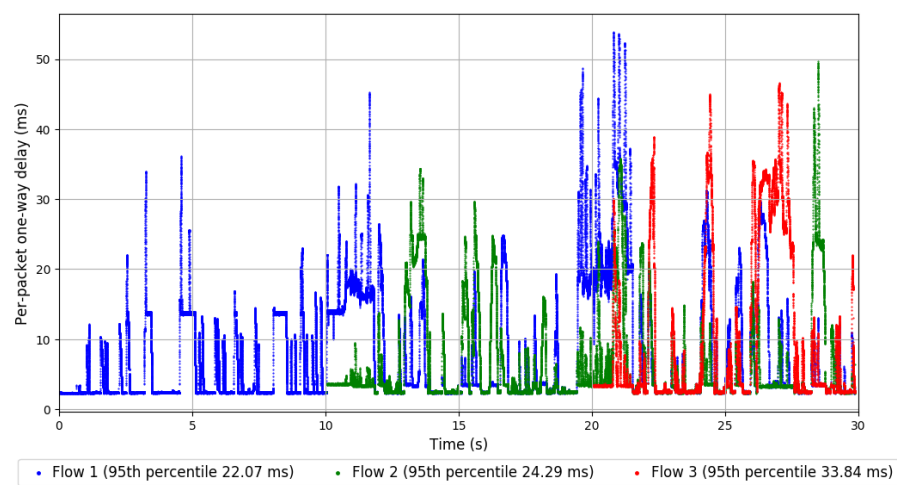
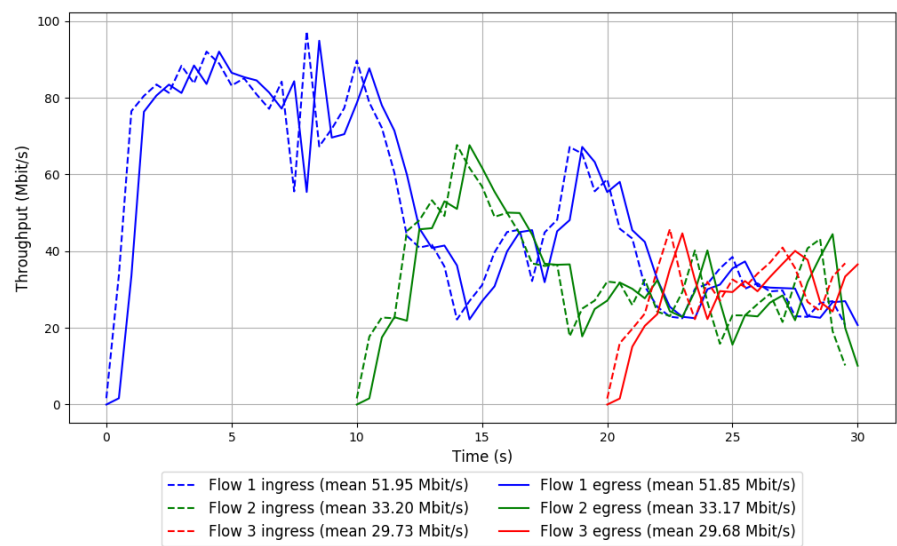


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-10 20:36:12
End at: 2018-07-10 20:36:42
Local clock offset: -1.109 ms
Remote clock offset: -2.261 ms

Below is generated by plot.py at 2018-07-10 23:53:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.68 Mbit/s
95th percentile per-packet one-way delay: 25.383 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 51.85 Mbit/s
95th percentile per-packet one-way delay: 22.074 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 33.17 Mbit/s
95th percentile per-packet one-way delay: 24.293 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 33.841 ms
Loss rate: 0.36%

Run 2: Report of PCC-Vivace — Data Link

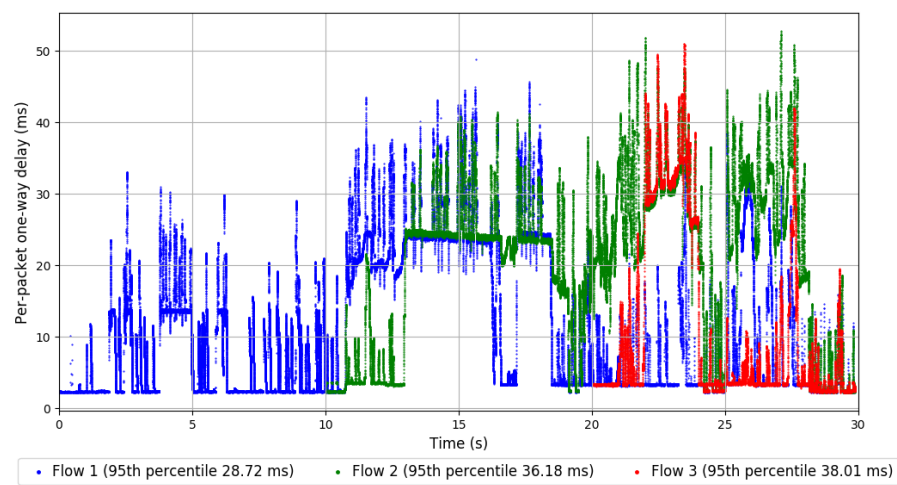
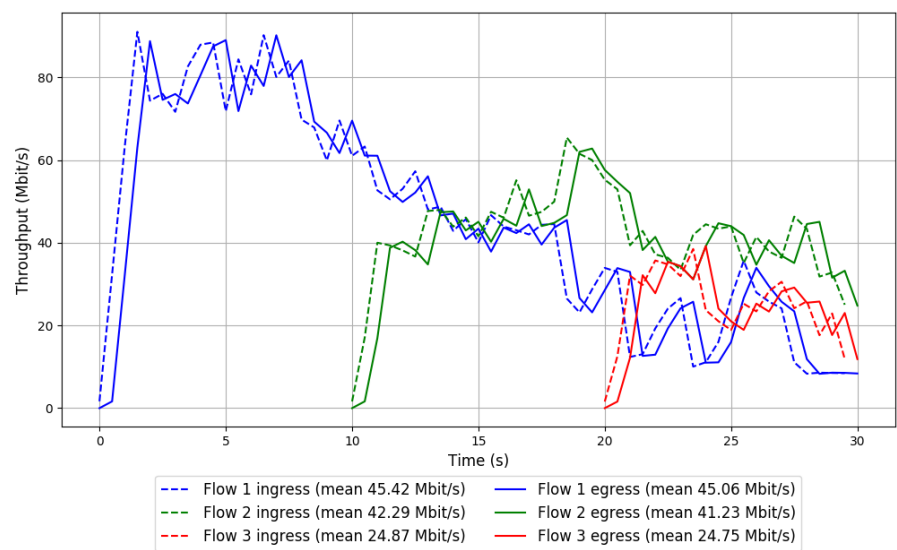


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-10 20:55:21
End at: 2018-07-10 20:55:51
Local clock offset: -1.109 ms
Remote clock offset: -0.844 ms

Below is generated by plot.py at 2018-07-10 23:53:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.64 Mbit/s
95th percentile per-packet one-way delay: 33.726 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 45.06 Mbit/s
95th percentile per-packet one-way delay: 28.719 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 41.23 Mbit/s
95th percentile per-packet one-way delay: 36.183 ms
Loss rate: 2.55%
-- Flow 3:
Average throughput: 24.75 Mbit/s
95th percentile per-packet one-way delay: 38.014 ms
Loss rate: 0.55%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-10 21:14:30

End at: 2018-07-10 21:15:00

Local clock offset: -1.106 ms

Remote clock offset: 0.219 ms

Below is generated by plot.py at 2018-07-10 23:53:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.00 Mbit/s

95th percentile per-packet one-way delay: 35.122 ms

Loss rate: 1.77%

-- Flow 1:

Average throughput: 51.67 Mbit/s

95th percentile per-packet one-way delay: 34.553 ms

Loss rate: 1.55%

-- Flow 2:

Average throughput: 35.01 Mbit/s

95th percentile per-packet one-way delay: 34.759 ms

Loss rate: 1.49%

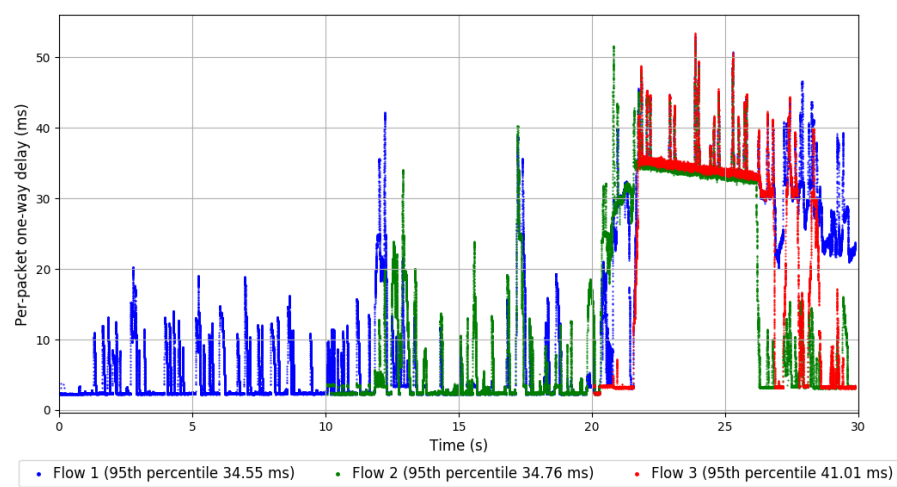
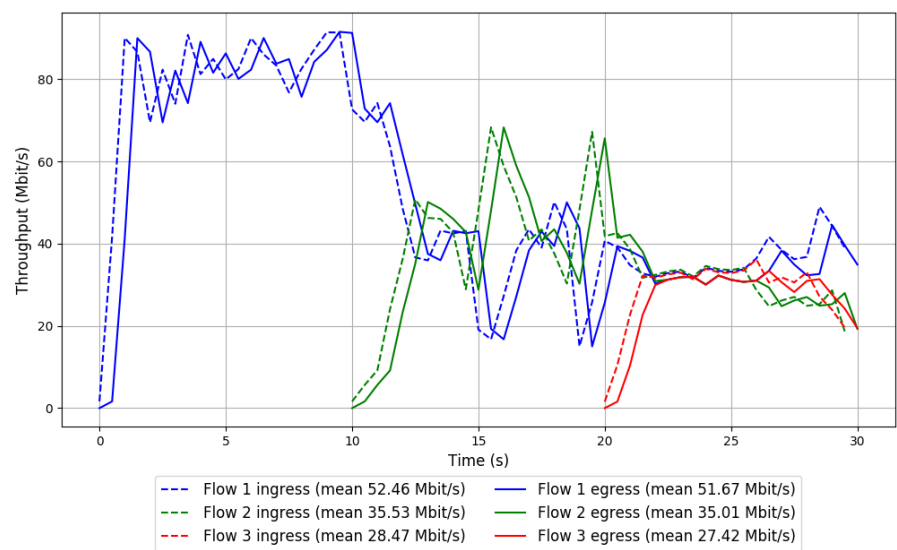
-- Flow 3:

Average throughput: 27.42 Mbit/s

95th percentile per-packet one-way delay: 41.007 ms

Loss rate: 3.73%

Run 4: Report of PCC-Vivace — Data Link

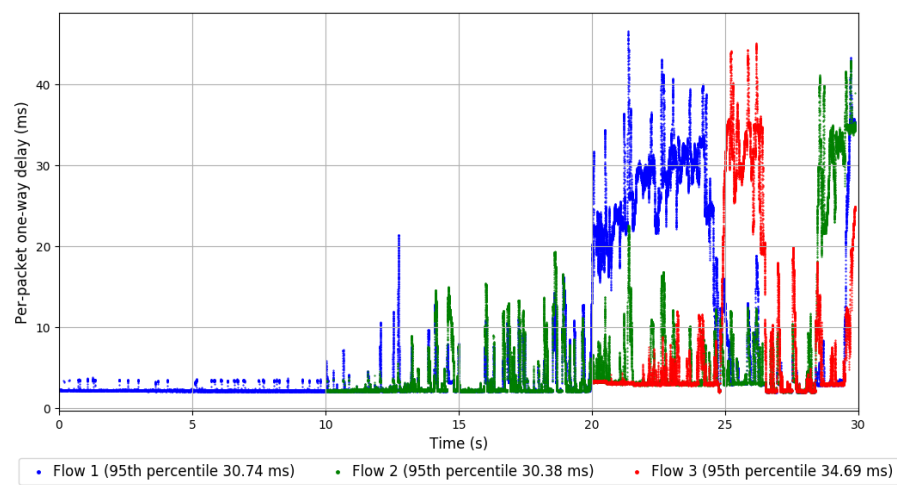
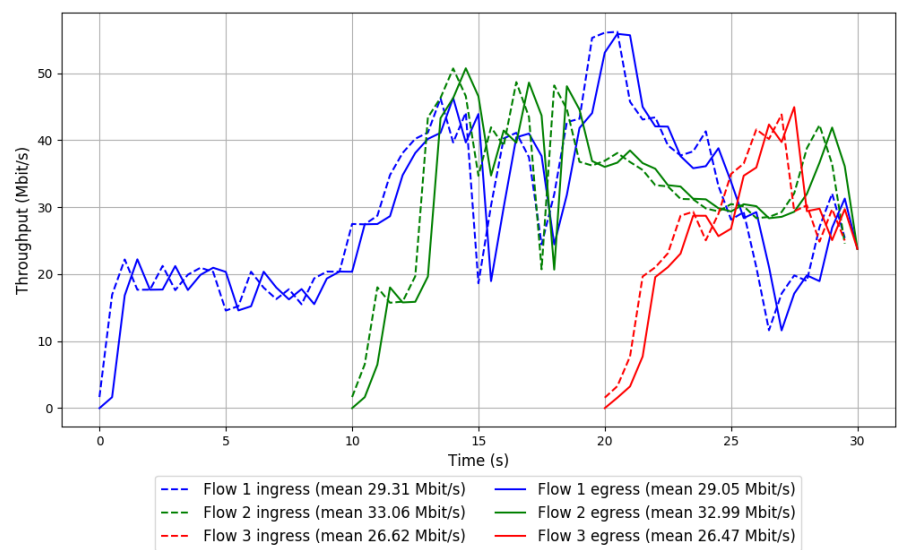


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-10 21:33:39
End at: 2018-07-10 21:34:09
Local clock offset: -1.093 ms
Remote clock offset: -6.289 ms

Below is generated by plot.py at 2018-07-10 23:53:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.71 Mbit/s
95th percentile per-packet one-way delay: 31.593 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 29.05 Mbit/s
95th percentile per-packet one-way delay: 30.736 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 32.99 Mbit/s
95th percentile per-packet one-way delay: 30.381 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 26.47 Mbit/s
95th percentile per-packet one-way delay: 34.693 ms
Loss rate: 0.63%

Run 5: Report of PCC-Vivace — Data Link

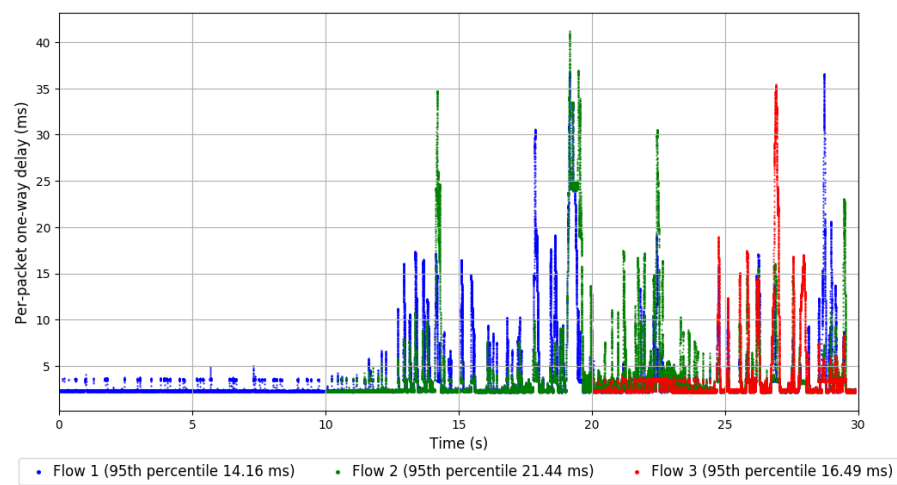
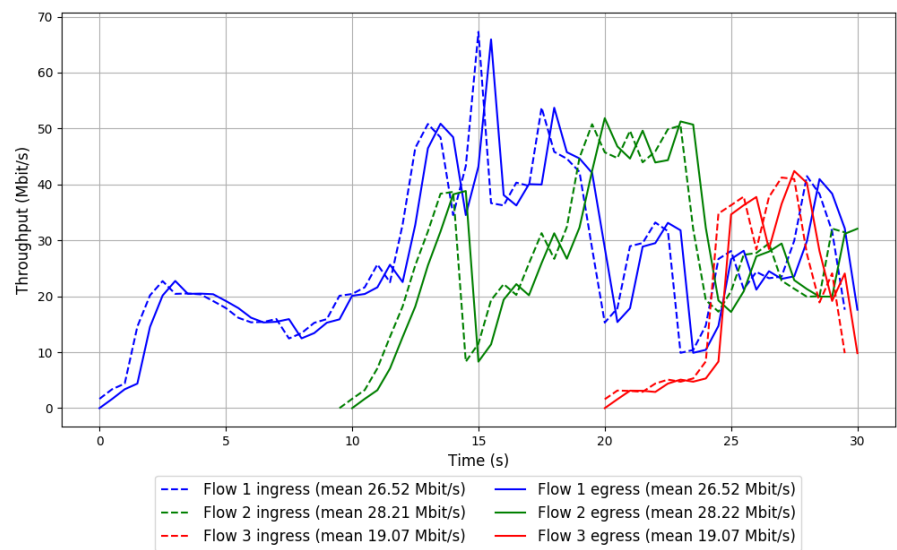


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-10 21:52:47
End at: 2018-07-10 21:53:17
Local clock offset: -1.112 ms
Remote clock offset: -10.344 ms

Below is generated by plot.py at 2018-07-10 23:53:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.58 Mbit/s
95th percentile per-packet one-way delay: 16.236 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 26.52 Mbit/s
95th percentile per-packet one-way delay: 14.165 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 28.22 Mbit/s
95th percentile per-packet one-way delay: 21.443 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 19.07 Mbit/s
95th percentile per-packet one-way delay: 16.494 ms
Loss rate: 0.06%

Run 6: Report of PCC-Vivace — Data Link

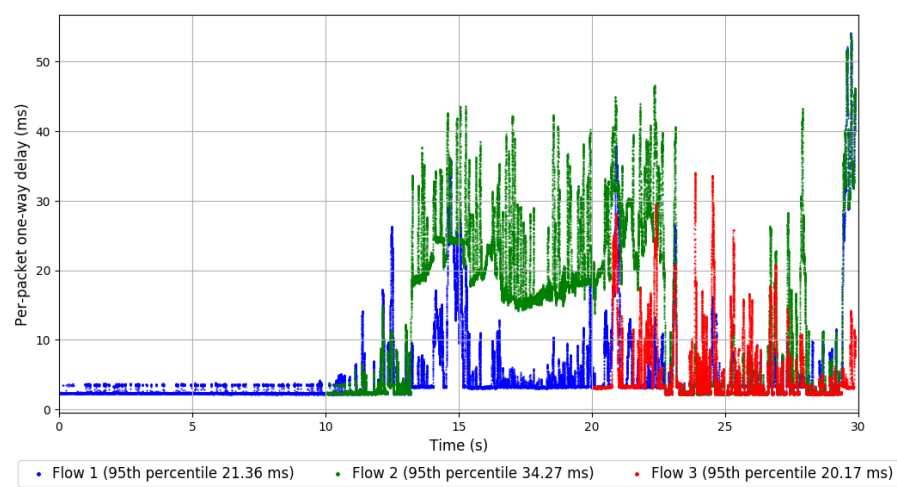
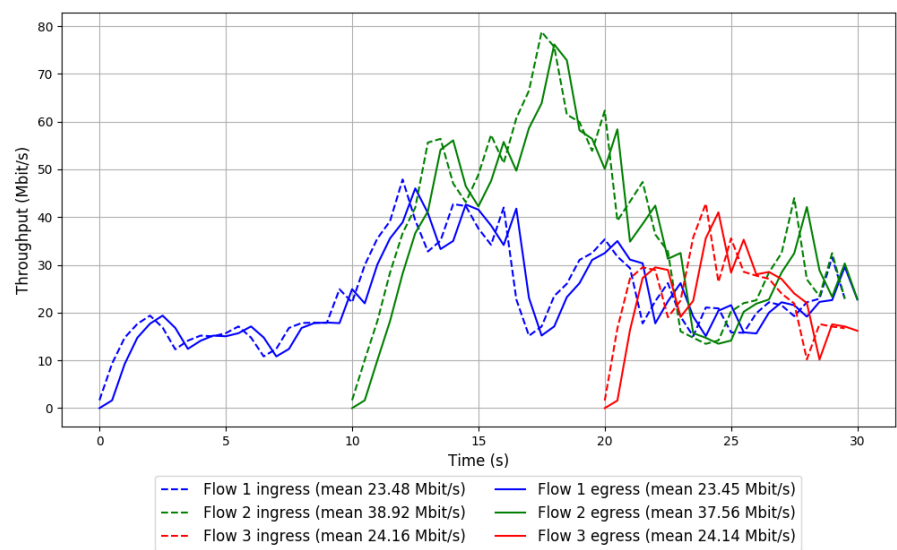


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-10 22:11:52
End at: 2018-07-10 22:12:22
Local clock offset: -1.067 ms
Remote clock offset: -12.462 ms

Below is generated by plot.py at 2018-07-10 23:53:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.40 Mbit/s
95th percentile per-packet one-way delay: 30.662 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 21.356 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 37.56 Mbit/s
95th percentile per-packet one-way delay: 34.271 ms
Loss rate: 3.60%
-- Flow 3:
Average throughput: 24.14 Mbit/s
95th percentile per-packet one-way delay: 20.174 ms
Loss rate: 0.15%

Run 7: Report of PCC-Vivace — Data Link

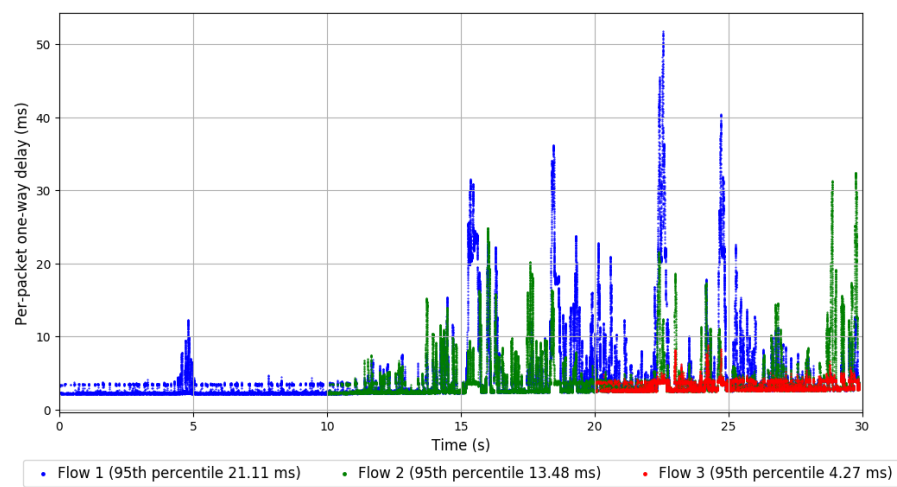
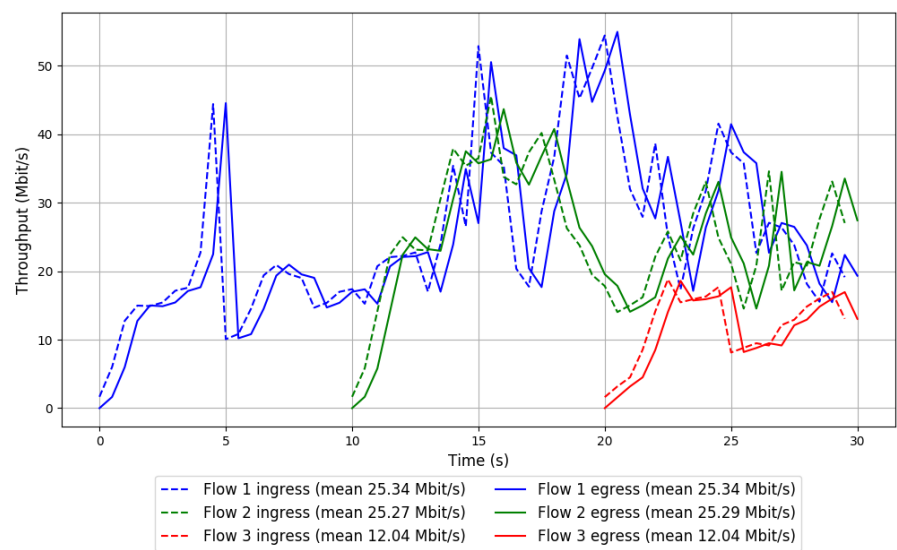


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-10 22:30:57
End at: 2018-07-10 22:31:27
Local clock offset: -1.13 ms
Remote clock offset: -14.376 ms

Below is generated by plot.py at 2018-07-10 23:53:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.13 Mbit/s
95th percentile per-packet one-way delay: 17.708 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 25.34 Mbit/s
95th percentile per-packet one-way delay: 21.114 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 25.29 Mbit/s
95th percentile per-packet one-way delay: 13.479 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 4.274 ms
Loss rate: 0.07%

Run 8: Report of PCC-Vivace — Data Link

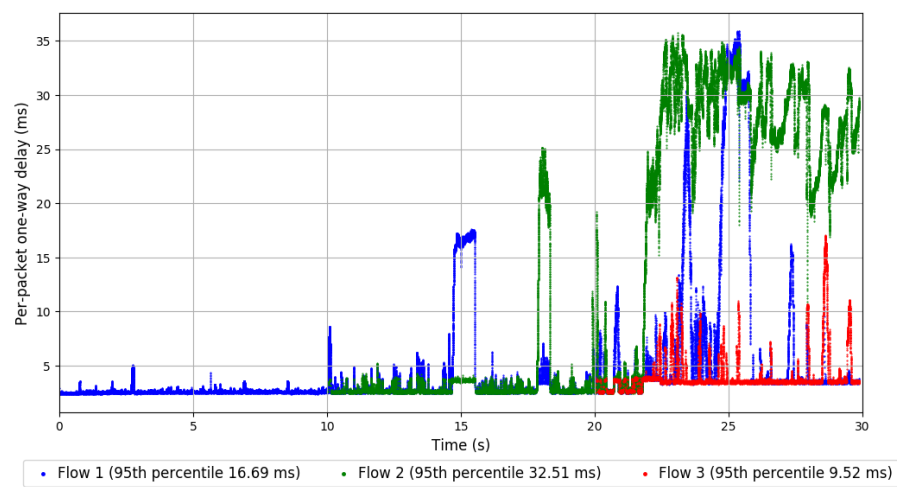
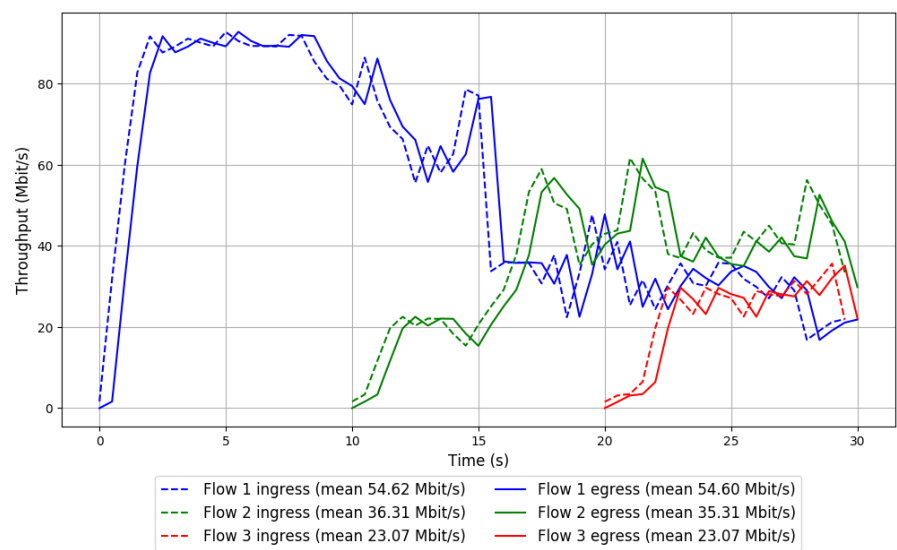


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-10 22:50:02
End at: 2018-07-10 22:50:32
Local clock offset: -1.054 ms
Remote clock offset: -1.588 ms

Below is generated by plot.py at 2018-07-10 23:53:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.70 Mbit/s
95th percentile per-packet one-way delay: 30.222 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 54.60 Mbit/s
95th percentile per-packet one-way delay: 16.693 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 35.31 Mbit/s
95th percentile per-packet one-way delay: 32.514 ms
Loss rate: 2.80%
-- Flow 3:
Average throughput: 23.07 Mbit/s
95th percentile per-packet one-way delay: 9.522 ms
Loss rate: 0.08%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-10 23:09:12

End at: 2018-07-10 23:09:42

Local clock offset: -1.033 ms

Remote clock offset: 0.384 ms

Below is generated by plot.py at 2018-07-10 23:53:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.47 Mbit/s

95th percentile per-packet one-way delay: 30.551 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 52.38 Mbit/s

95th percentile per-packet one-way delay: 30.119 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 30.37 Mbit/s

95th percentile per-packet one-way delay: 23.761 ms

Loss rate: 0.10%

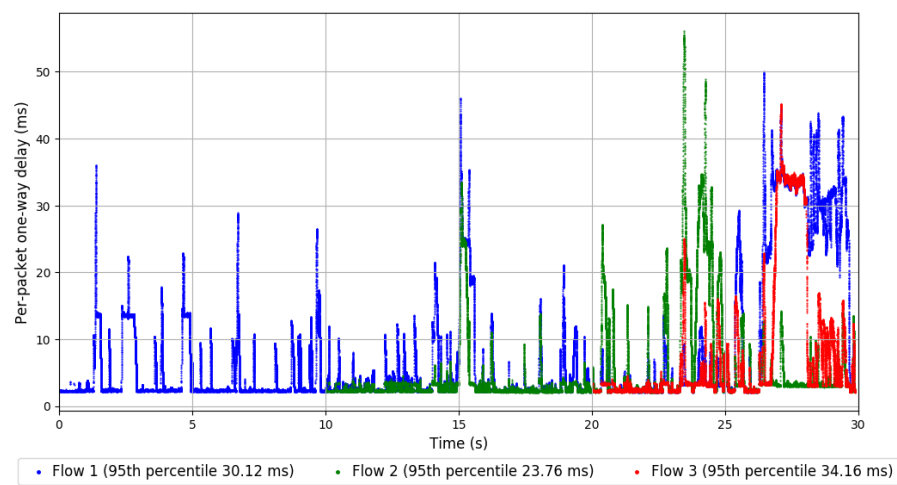
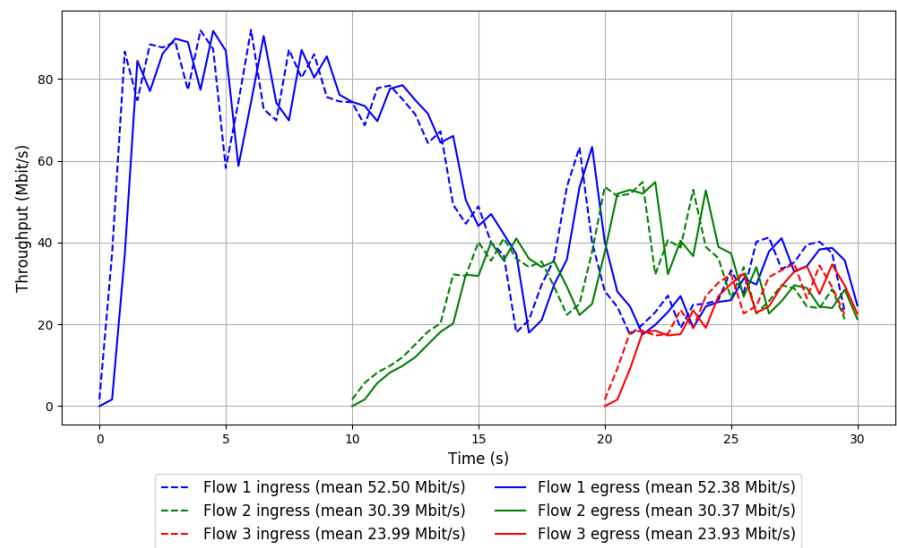
-- Flow 3:

Average throughput: 23.93 Mbit/s

95th percentile per-packet one-way delay: 34.162 ms

Loss rate: 0.32%

Run 10: Report of PCC-Vivace — Data Link

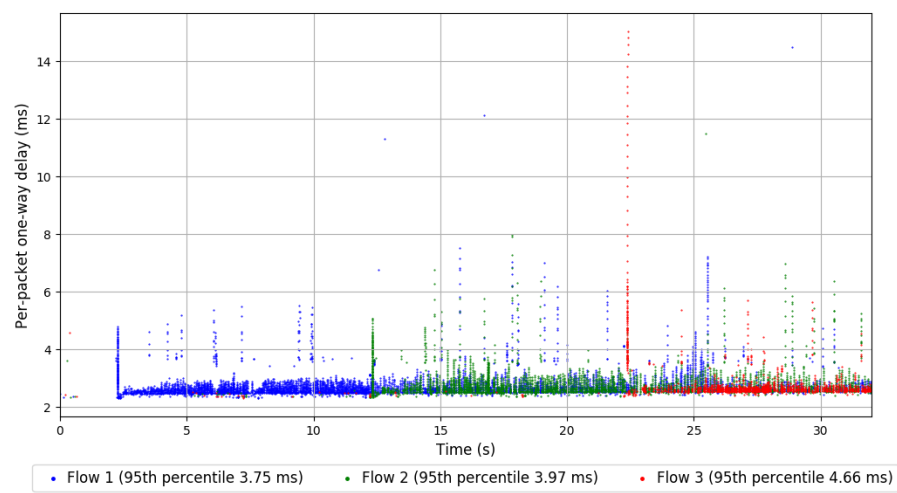
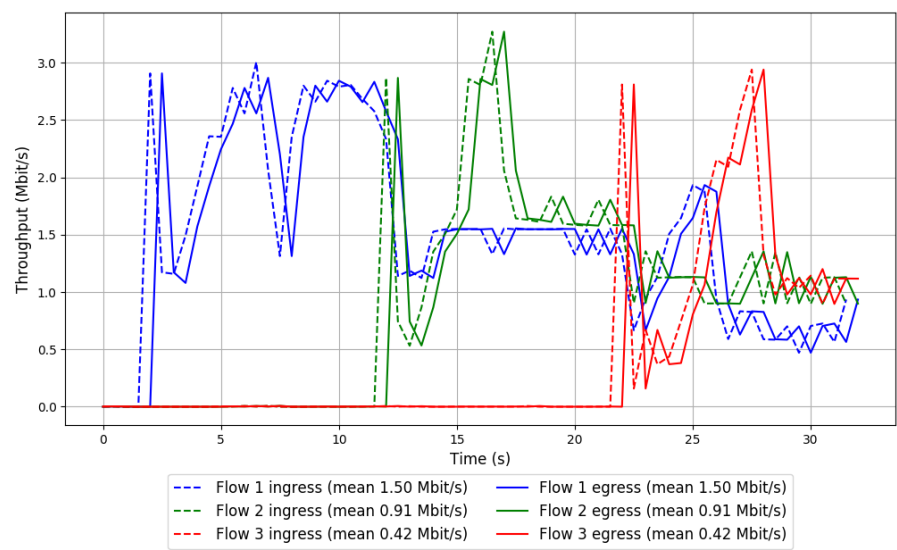


Run 1: Statistics of WebRTC media

Start at: 2018-07-10 20:30:42
End at: 2018-07-10 20:31:12
Local clock offset: -1.055 ms
Remote clock offset: -2.909 ms

Below is generated by plot.py at 2018-07-10 23:53:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.81 Mbit/s
95th percentile per-packet one-way delay: 3.929 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 3.749 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 3.970 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 4.655 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

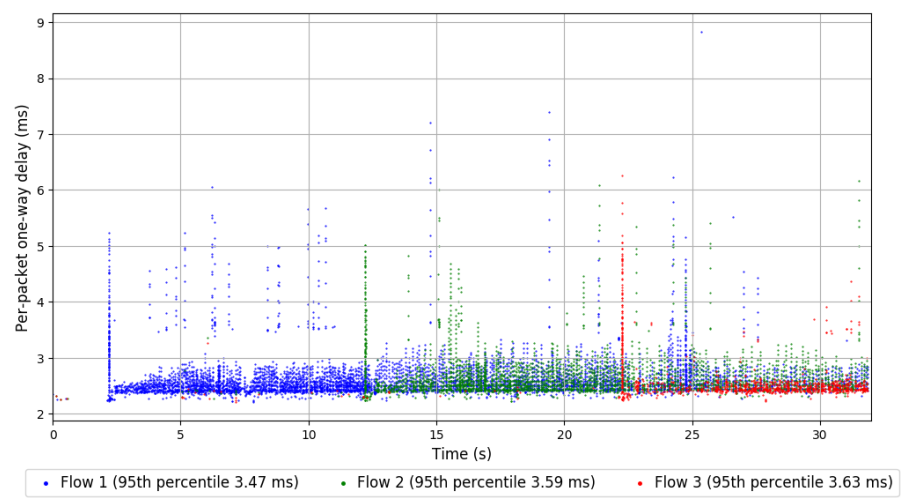
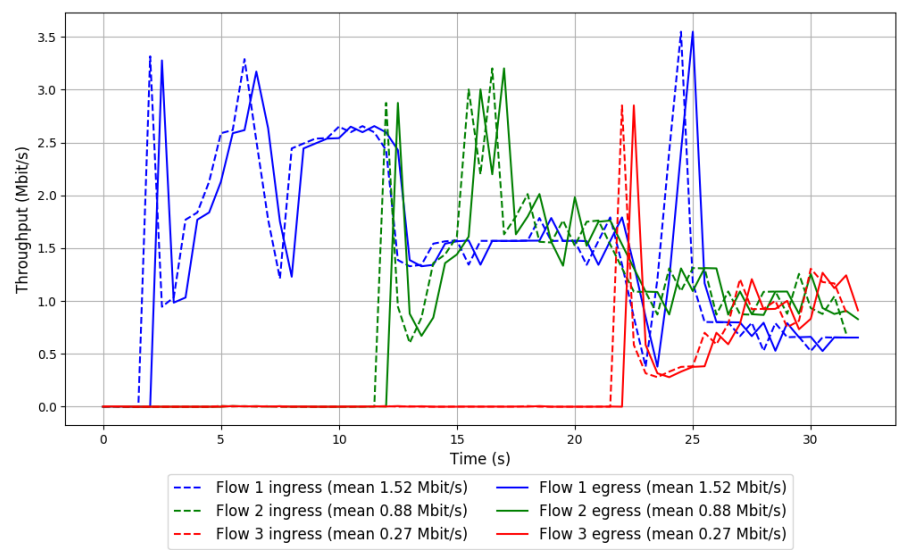


Run 2: Statistics of WebRTC media

Start at: 2018-07-10 20:49:51
End at: 2018-07-10 20:50:21
Local clock offset: -1.046 ms
Remote clock offset: -1.174 ms

Below is generated by plot.py at 2018-07-10 23:53:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 3.538 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 3.470 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.88 Mbit/s
95th percentile per-packet one-way delay: 3.590 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 3.635 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

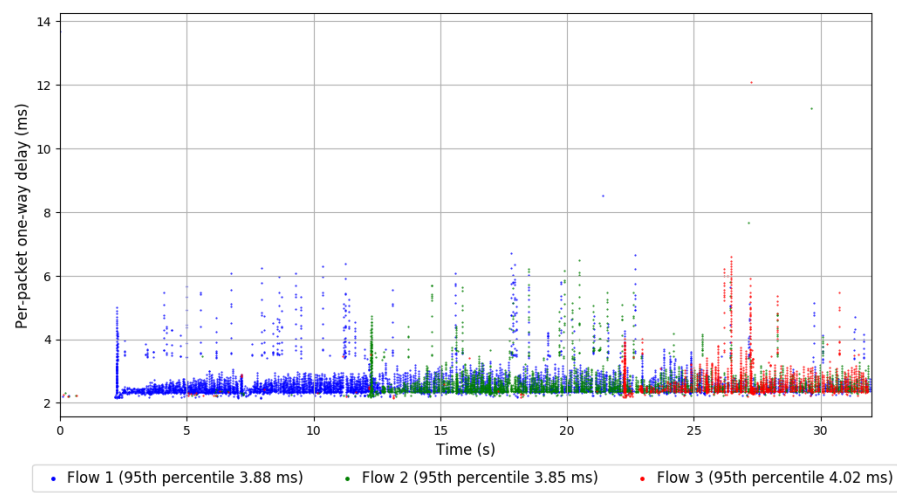
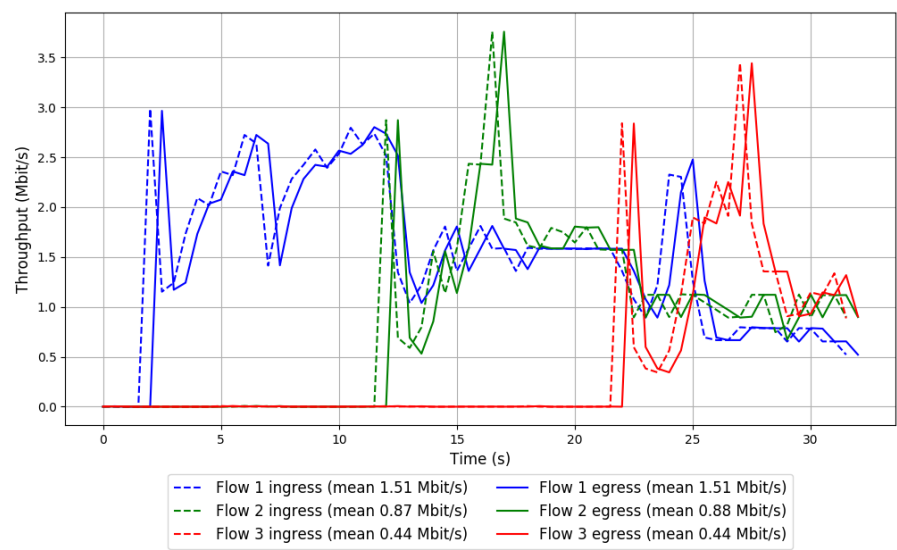


Run 3: Statistics of WebRTC media

Start at: 2018-07-10 21:09:00
End at: 2018-07-10 21:09:30
Local clock offset: -1.099 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-10 23:53:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 3.893 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 3.875 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.88 Mbit/s
95th percentile per-packet one-way delay: 3.855 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 4.023 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

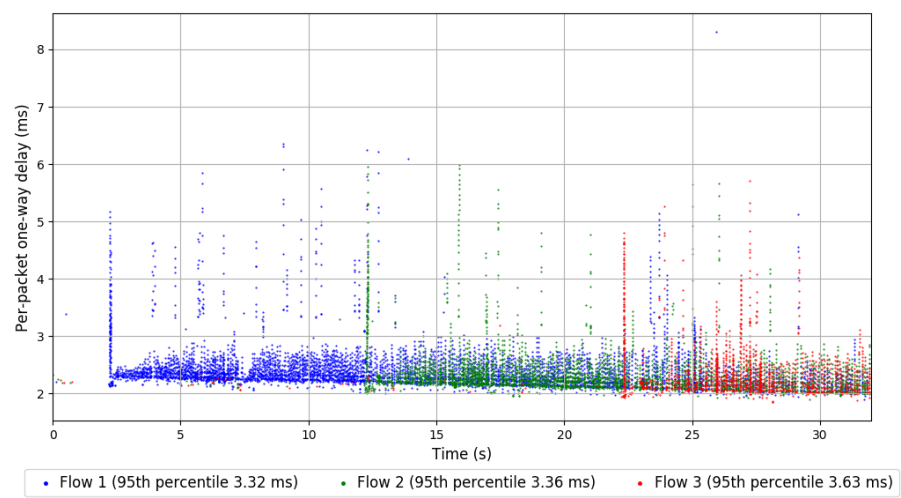
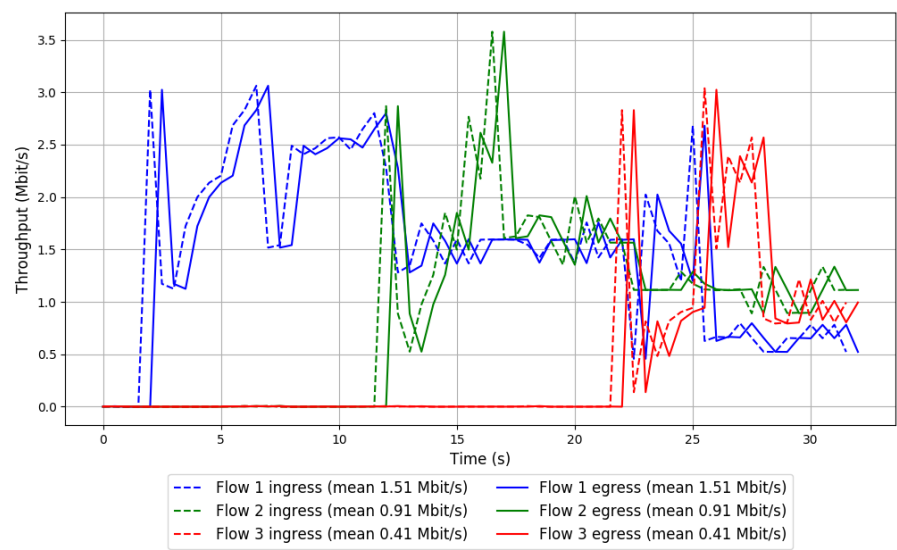


Run 4: Statistics of WebRTC media

Start at: 2018-07-10 21:28:09
End at: 2018-07-10 21:28:39
Local clock offset: -1.086 ms
Remote clock offset: -3.647 ms

```
# Below is generated by plot.py at 2018-07-10 23:53:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 3.388 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 3.322 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 3.358 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 3.635 ms
Loss rate: 0.00%
```


Run 4: Report of WebRTC media — Data Link

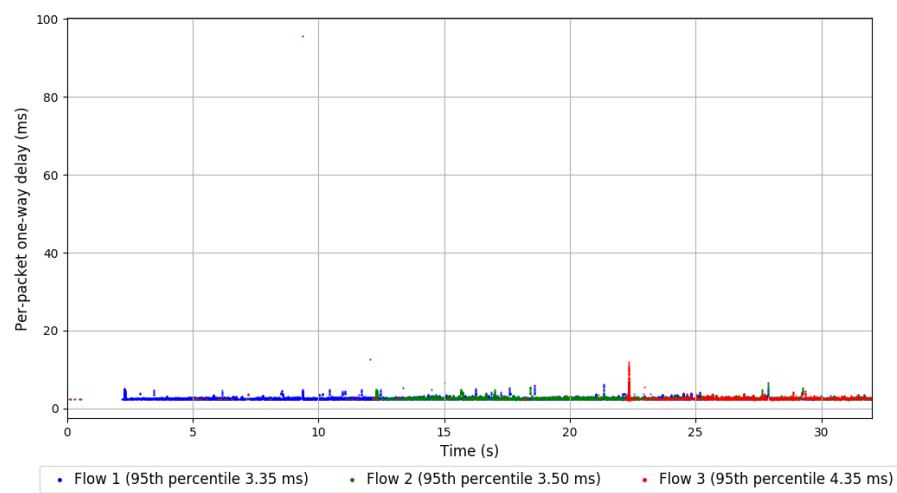
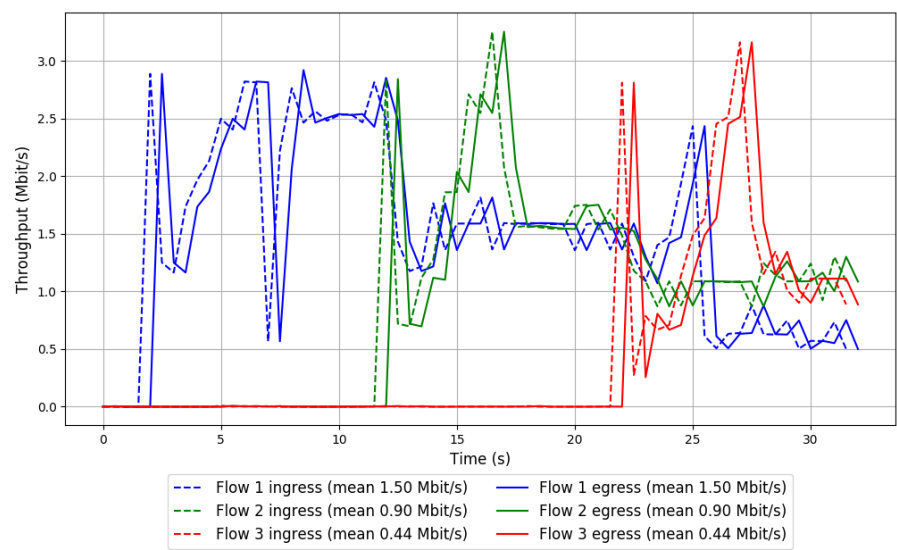


Run 5: Statistics of WebRTC media

Start at: 2018-07-10 21:47:17
End at: 2018-07-10 21:47:47
Local clock offset: -1.116 ms
Remote clock offset: -9.628 ms

Below is generated by plot.py at 2018-07-10 23:53:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.83 Mbit/s
95th percentile per-packet one-way delay: 3.492 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 3.355 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 3.505 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 4.346 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

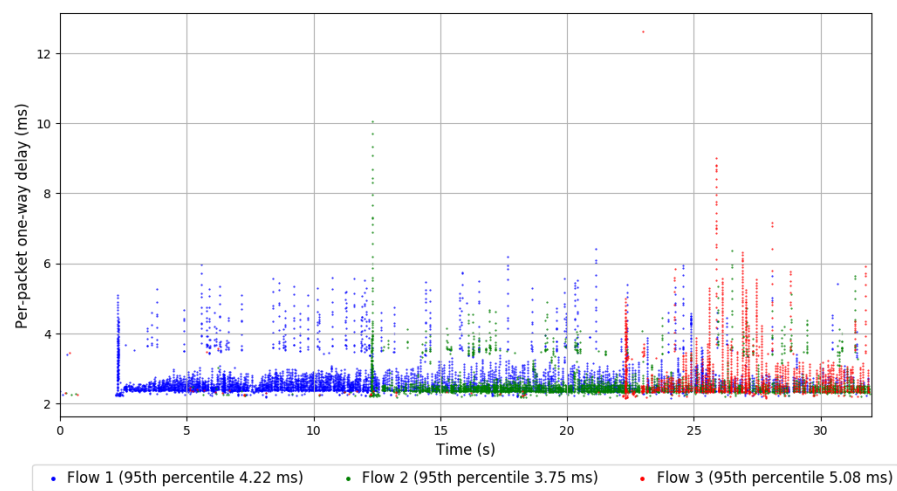
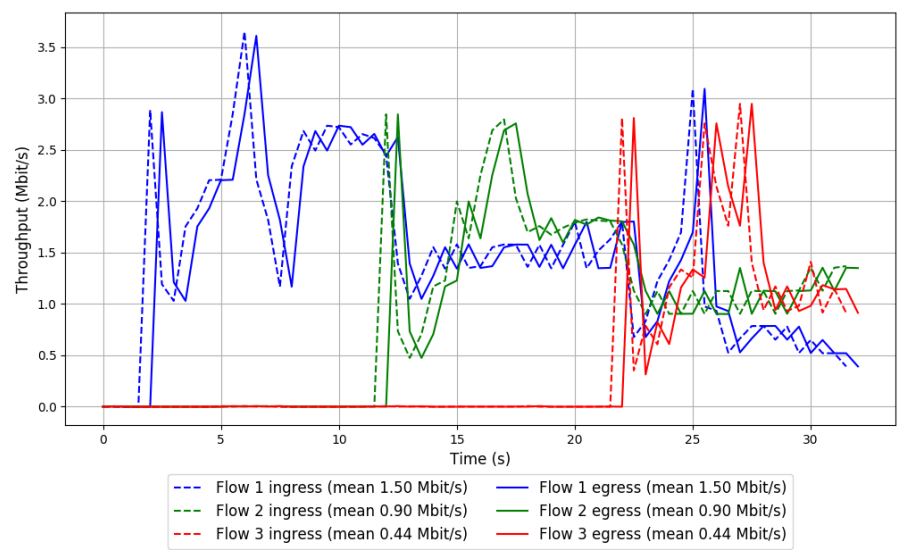


Run 6: Statistics of WebRTC media

Start at: 2018-07-10 22:06:22
End at: 2018-07-10 22:06:52
Local clock offset: -1.081 ms
Remote clock offset: -11.909 ms

Below is generated by plot.py at 2018-07-10 23:53:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 4.238 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 4.223 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 3.750 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 5.075 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

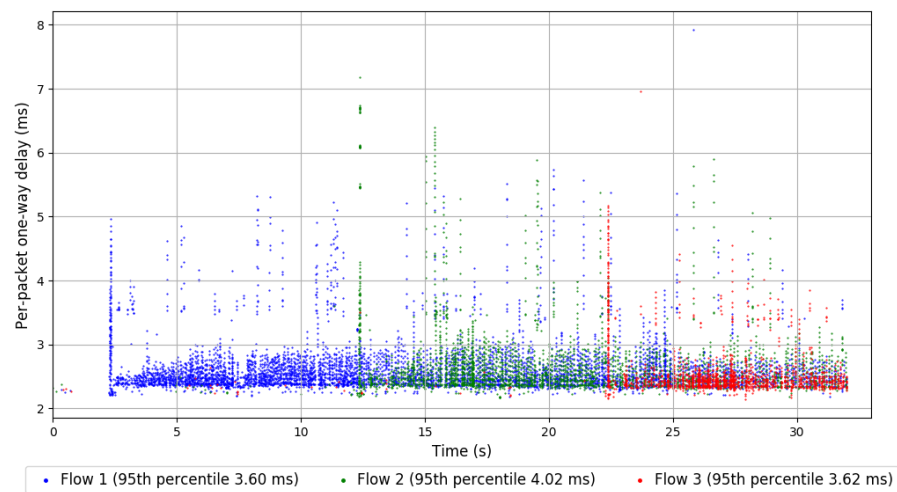
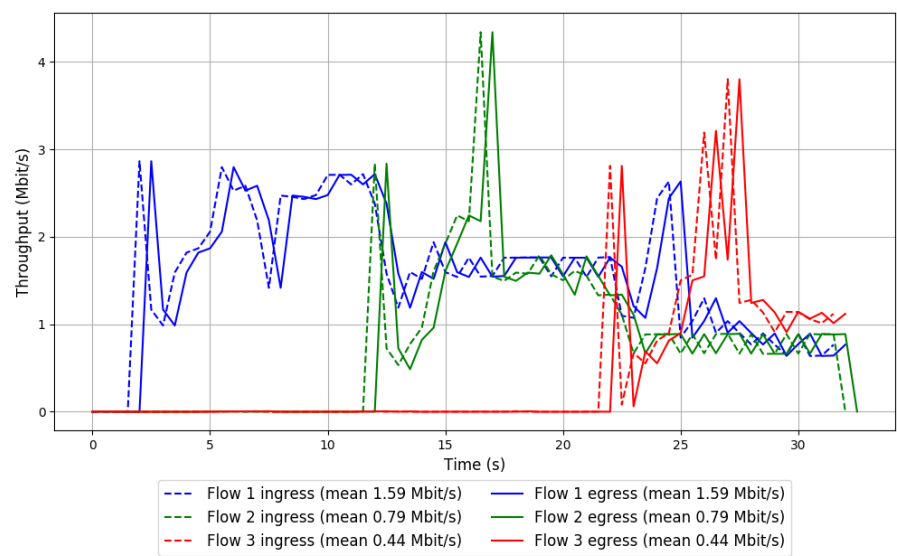


Run 7: Statistics of WebRTC media

Start at: 2018-07-10 22:25:27
End at: 2018-07-10 22:25:57
Local clock offset: -1.084 ms
Remote clock offset: -13.854 ms

Below is generated by plot.py at 2018-07-10 23:53:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.80 Mbit/s
95th percentile per-packet one-way delay: 3.683 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 3.599 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 4.024 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 3.620 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

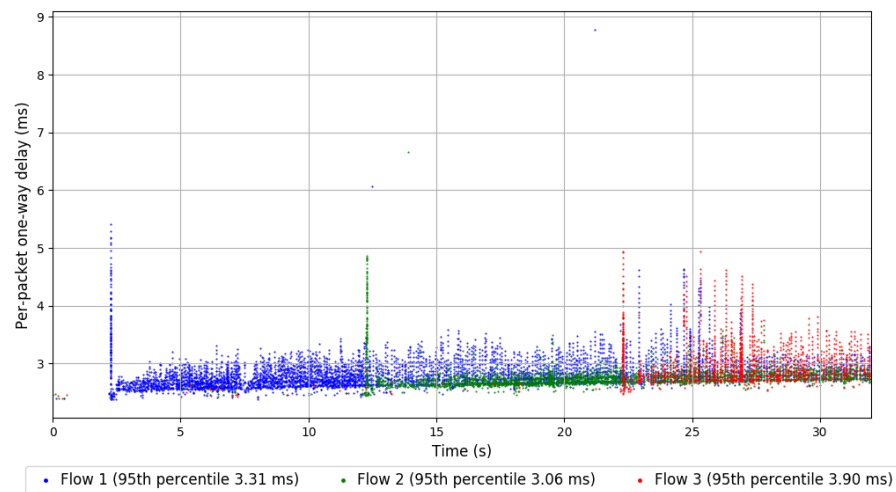
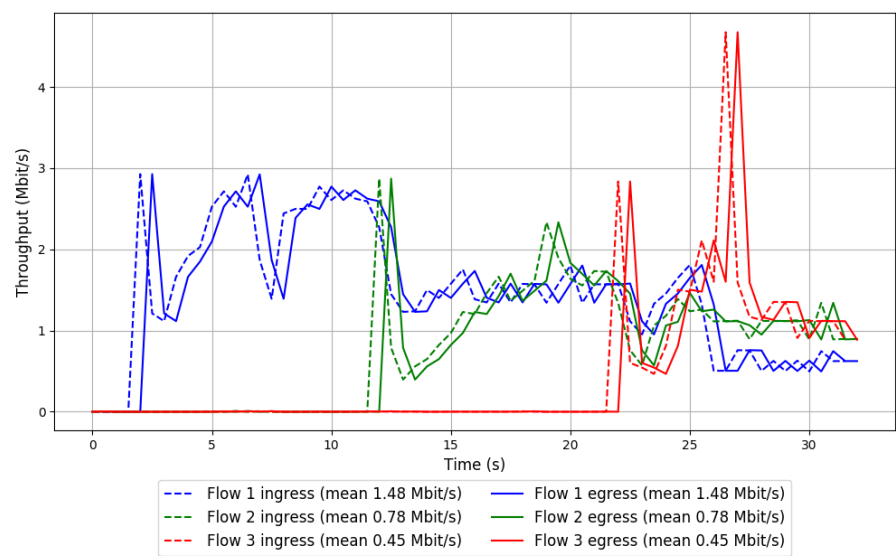


Run 8: Statistics of WebRTC media

Start at: 2018-07-10 22:44:33
End at: 2018-07-10 22:45:03
Local clock offset: -1.068 ms
Remote clock offset: -3.423 ms

Below is generated by plot.py at 2018-07-10 23:53:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 3.426 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 3.314 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 3.055 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 3.900 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-10 23:03:42

End at: 2018-07-10 23:04:12

Local clock offset: -1.048 ms

Remote clock offset: 1.098 ms

Below is generated by plot.py at 2018-07-10 23:53:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.87 Mbit/s

95th percentile per-packet one-way delay: 3.398 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: 3.300 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.92 Mbit/s

95th percentile per-packet one-way delay: 3.376 ms

Loss rate: 0.00%

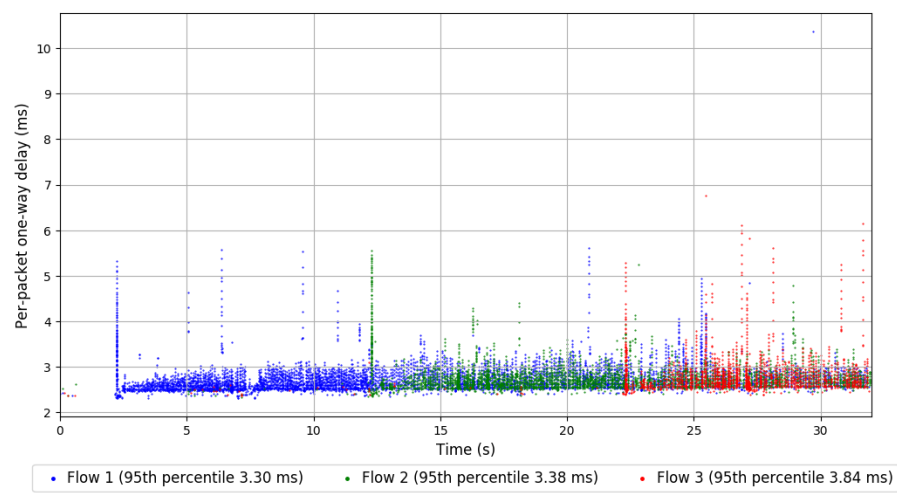
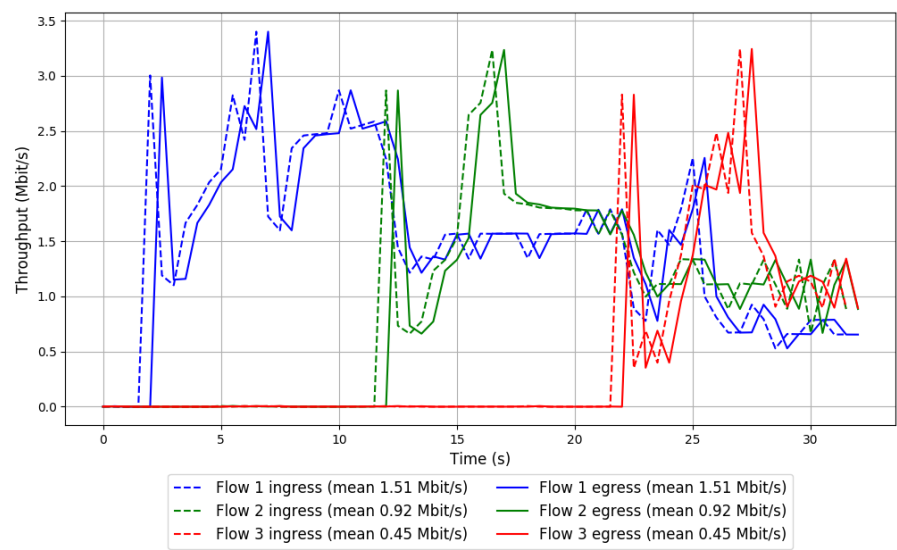
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 3.839 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-10 23:22:51
End at: 2018-07-10 23:23:21
Local clock offset: -0.988 ms
Remote clock offset: -0.624 ms

Below is generated by plot.py at 2018-07-10 23:53:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.88 Mbit/s
95th percentile per-packet one-way delay: 3.431 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 3.217 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 3.493 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 3.562 ms
Loss rate: 0.27%

Run 10: Report of WebRTC media — Data Link

